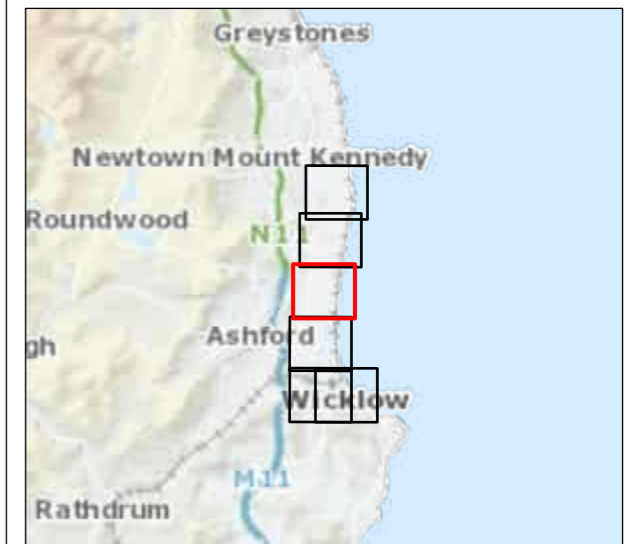


**FIGURE 3.1.2**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline



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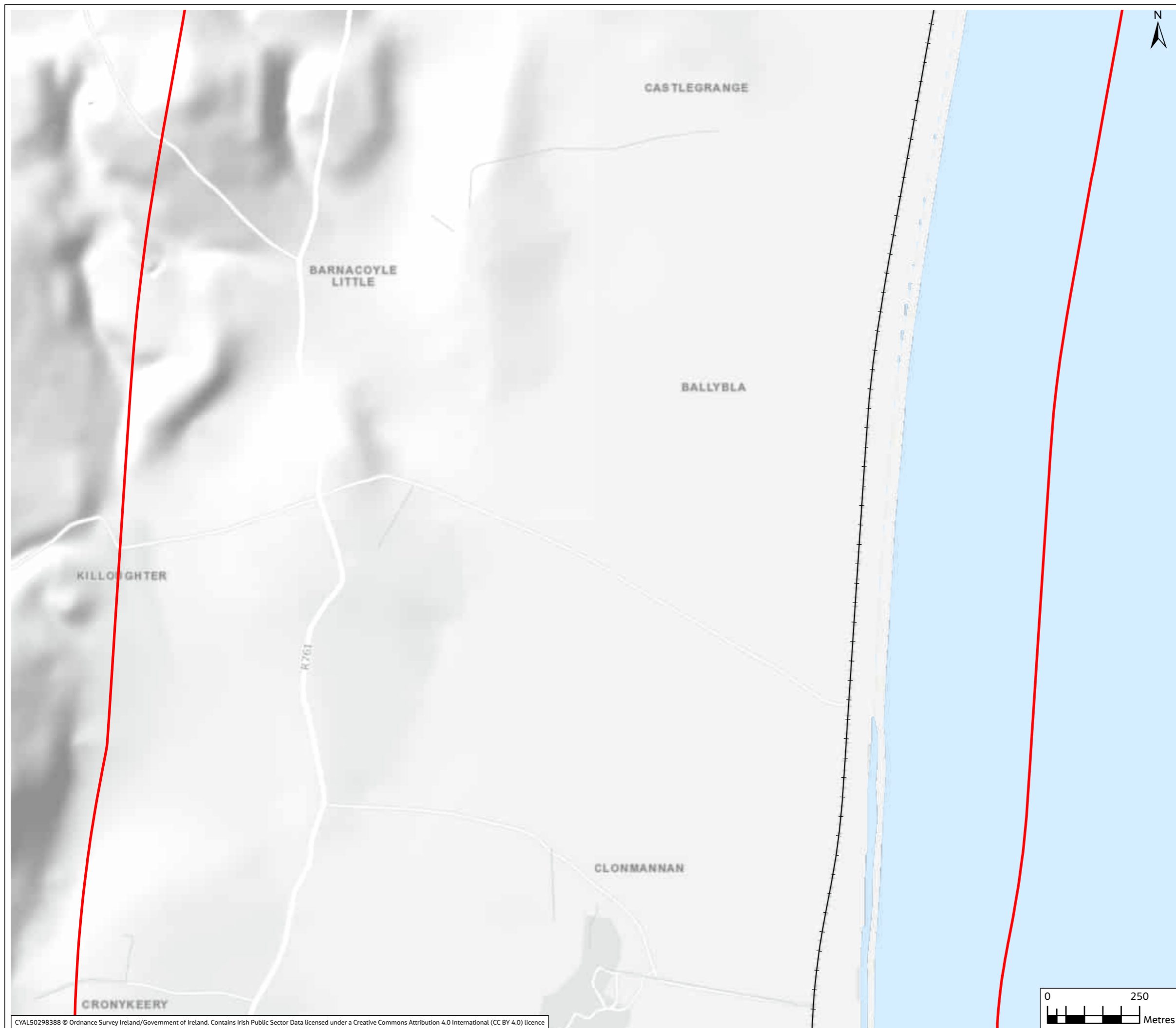
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Drawing Title  
 Figure 3.1.2  
 CCA6.2- Environmental Constraints - Other Designated  
 Protected Sites  
 (Page 3 of 6)

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CRONYKEERY

COOLAWINNIA

NEWRATH

TINAKELLY

TINAKELLY MURRAGH

KNOCKROBIN MURRAGH

Knock Lough

KNOCKROBIN

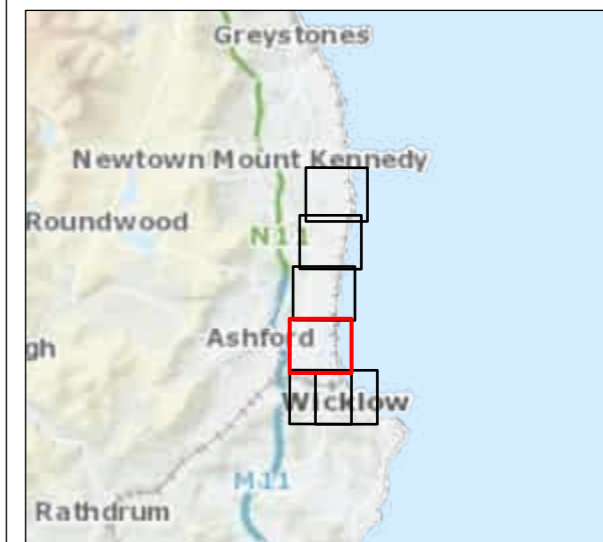
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FIGURE 3.1.2

Legend

- CCA6.2 Study Area
- Railway Network Centreline



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 CCA6.2- Environmental Constraints - Other Designated  
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 (Page 4 of 6)

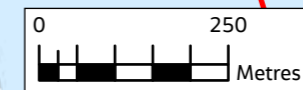
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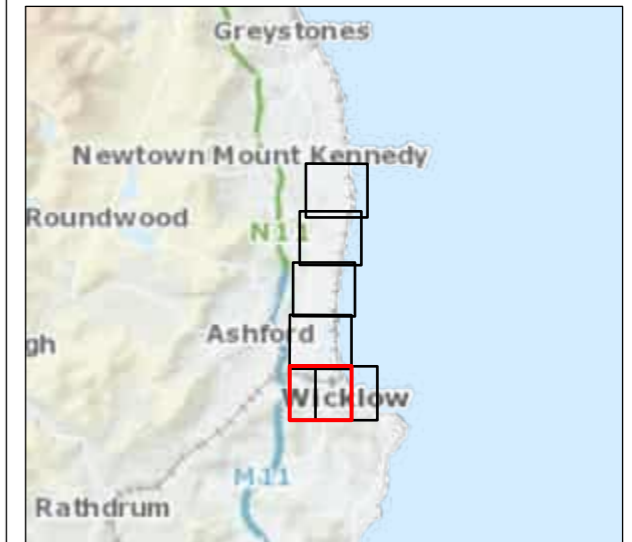
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**FIGURE 3.1.2**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline



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**Figure 3.1.2  
CCA6.2- Environmental Constraints - Other Designated  
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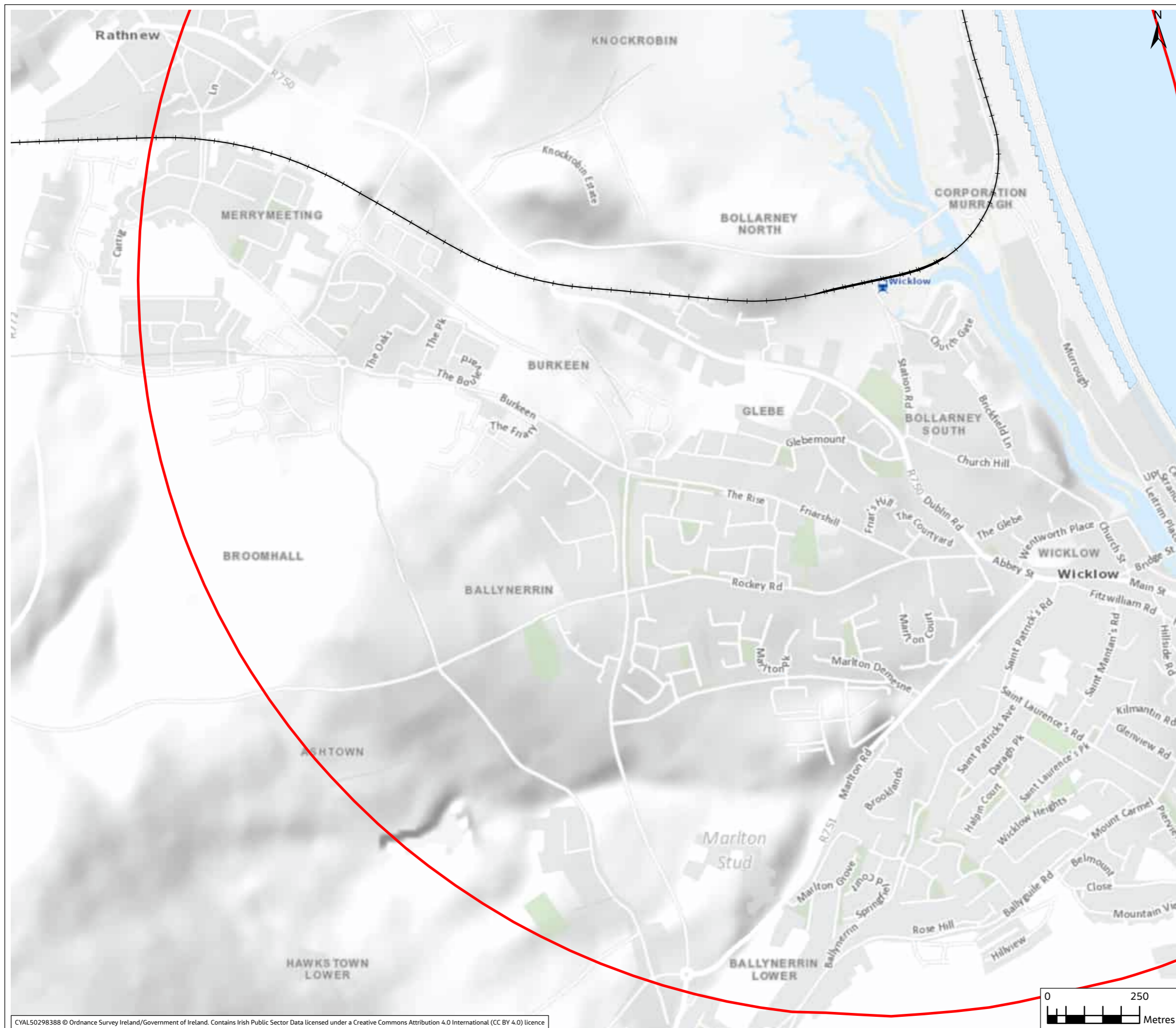
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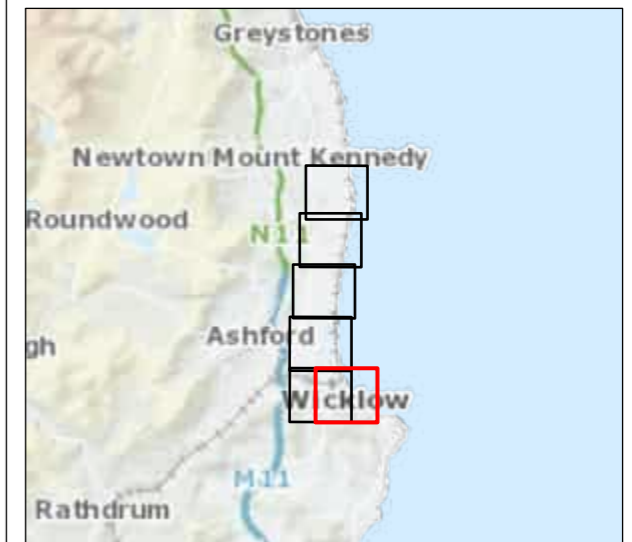
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**FIGURE 3.1.2**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline



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Figure 3.1.2  
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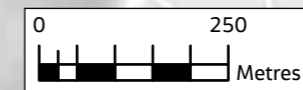
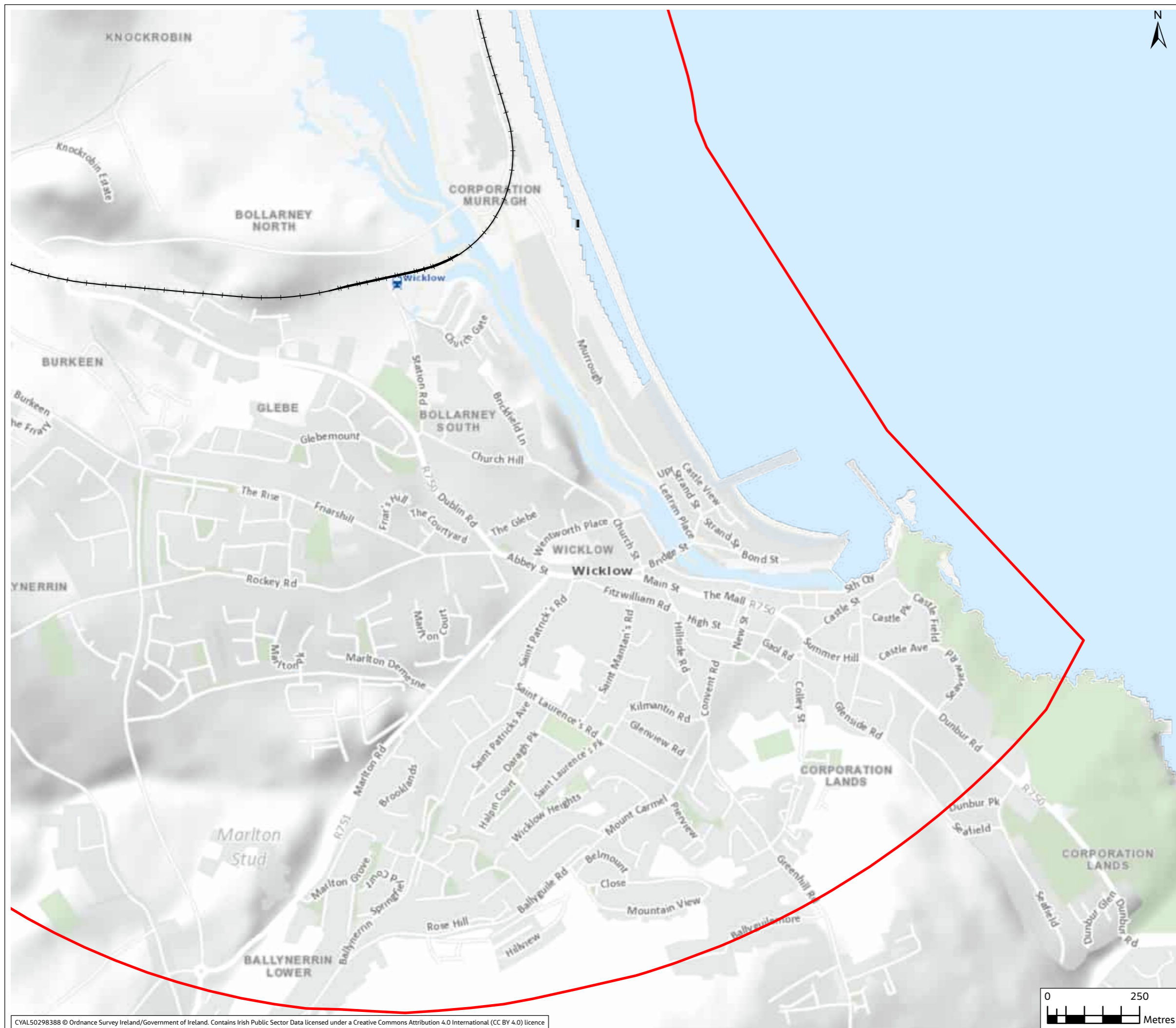
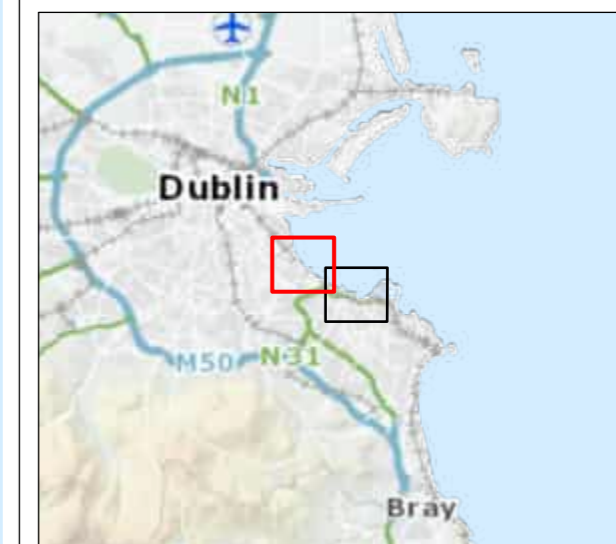


FIGURE 3.2

Legend

- CCA1 Study Area
  - Railway Network Centreline
- NPWS Saltmarsh Monitoring Project 2006 2008
- Annex I Habitats
- 1310 *Salicornia* and other annuals colonising mud and sand
  - 1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritima*)
  - 1410 Mediterranean salt meadows (*Juncetalia maritimi*)
  - Other (non saltmarsh habitats)



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Figure 3.2  
 CCA1- Environmental Constraints - Priority Habitat and Species  
 (Page 1 of 2)

Drawing Status

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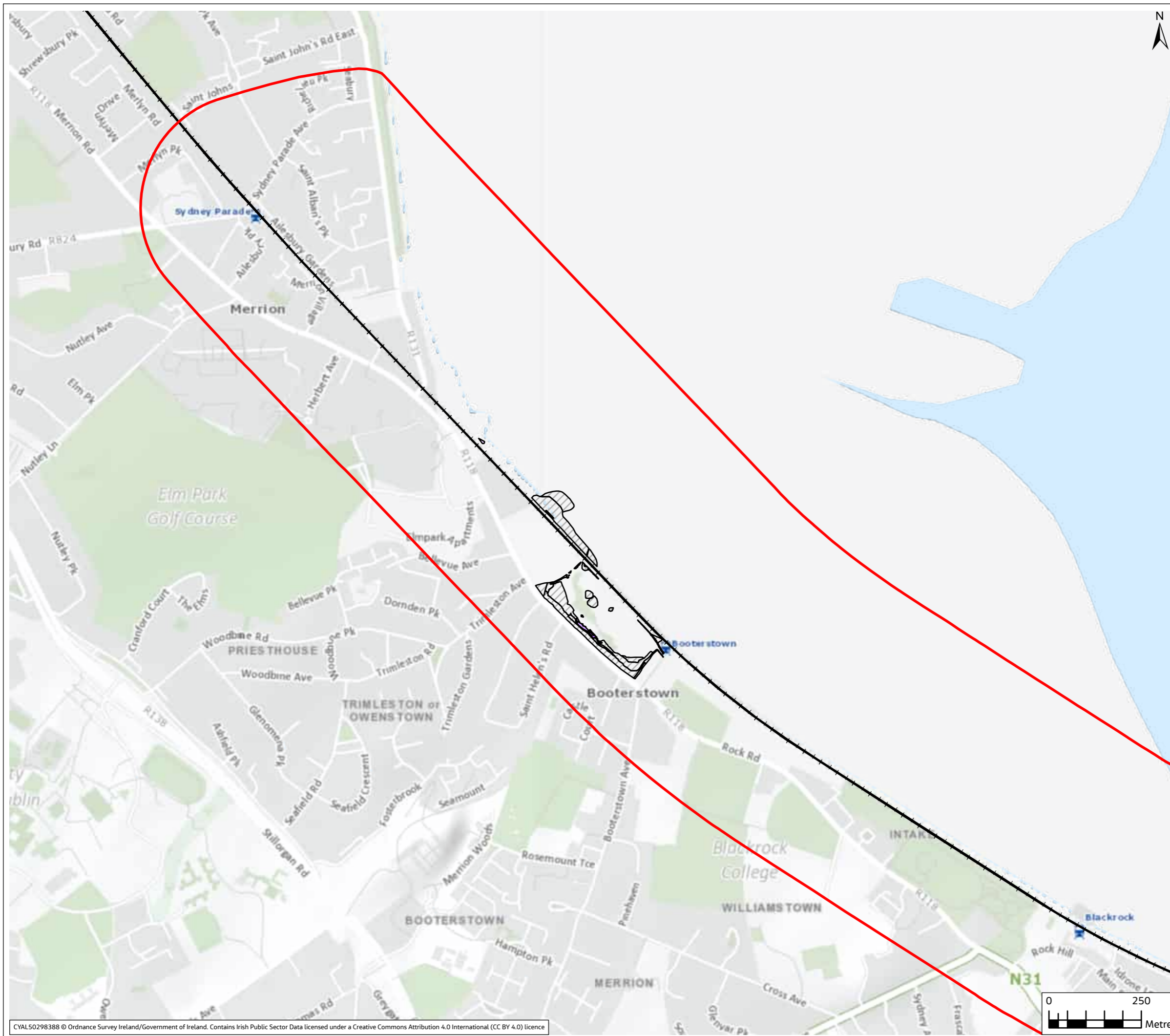
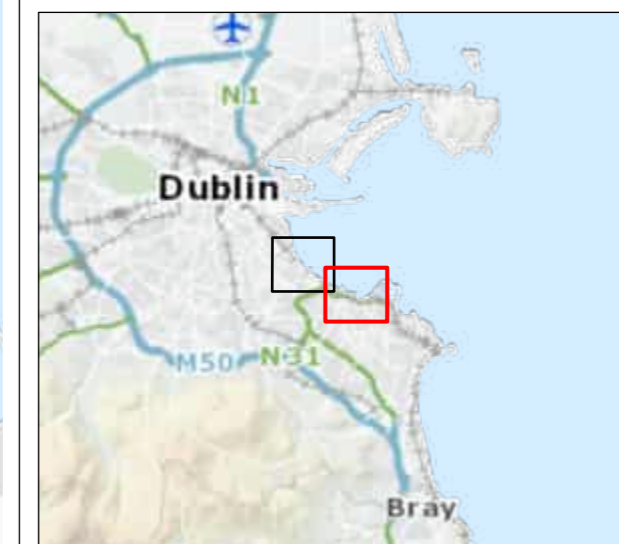
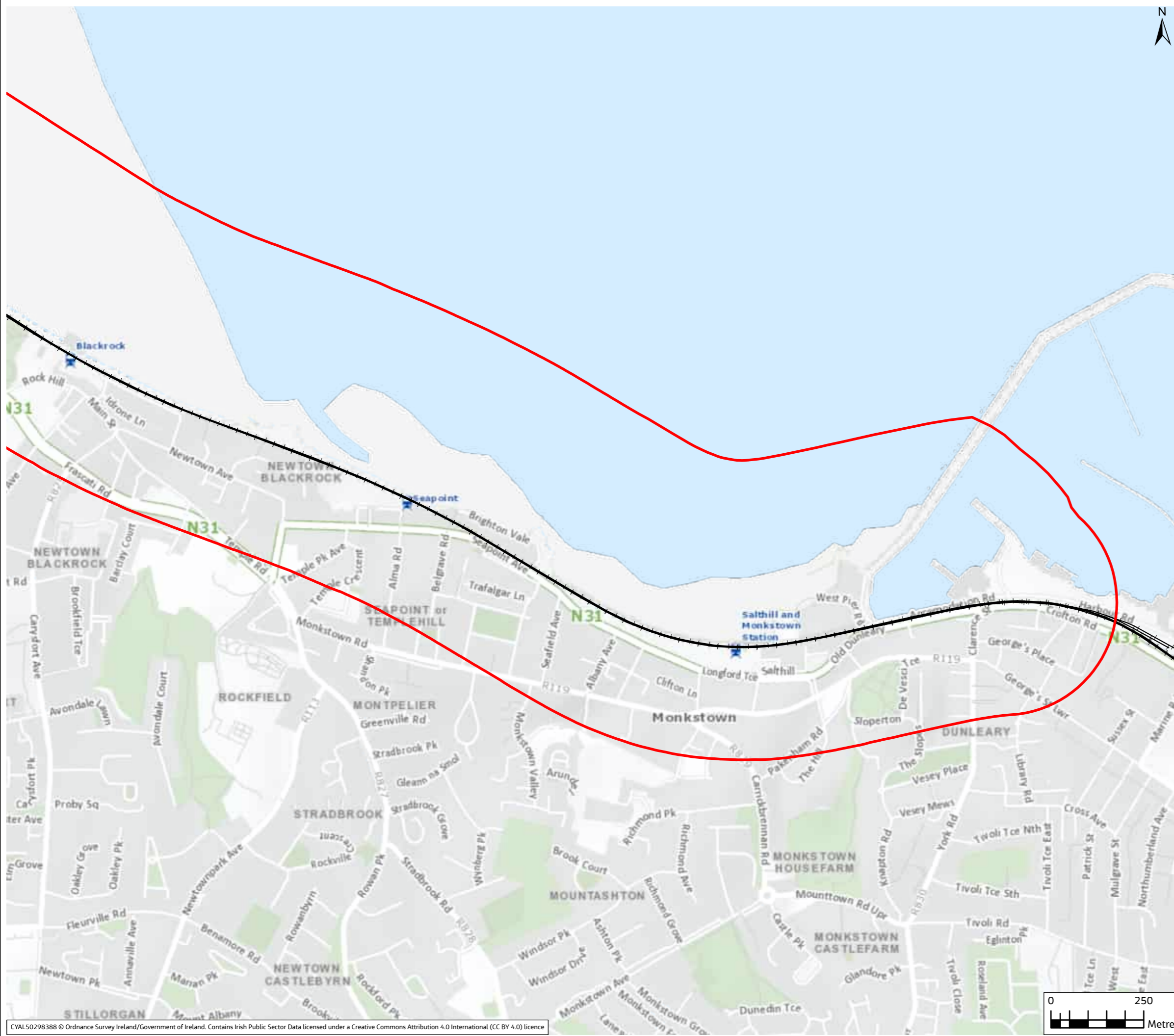


FIGURE 3.2

Legend

- CCA1 Study Area
- Railway Network Centreline



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 Figure 3.2  
 CCA1- Environmental Constraints - Priority Habitat and Species  
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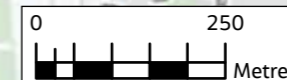
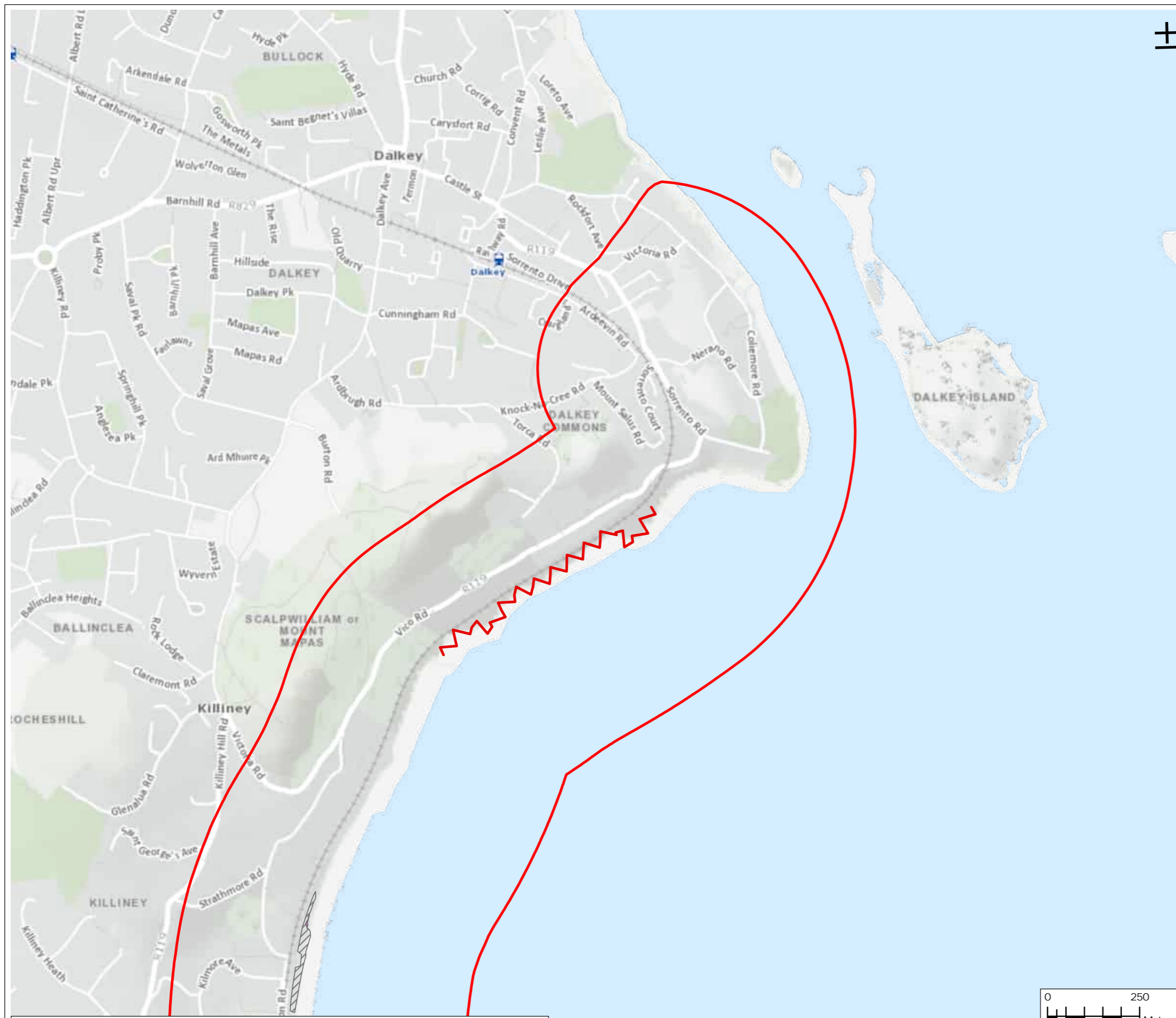
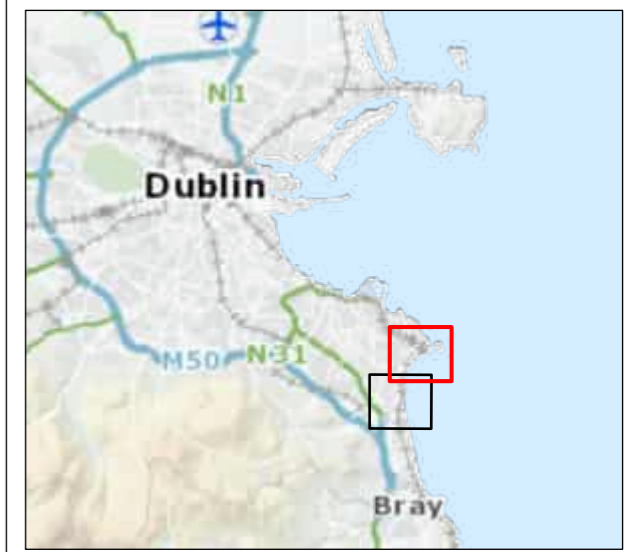


FIGURE 3.2



- Legend
- CCA2-3 - Dalkey Tunnel to Killiney south
  - NPWS National Seacliff Survey 2009-2011
  - Condition Assessment
  - ↯ Unfavourable - Bad
  - NPWS Coastal Monitoring Project 2004-2006
  - Annex I Habitats
  - 2110 Embryonic shifting dunes
  - Non Annex I Habitats



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Figure 3.2  
 CCA2-3- Environmental Constraints - Priority Habitat and Species  
 (Page 1 of 2)

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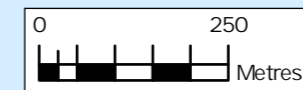
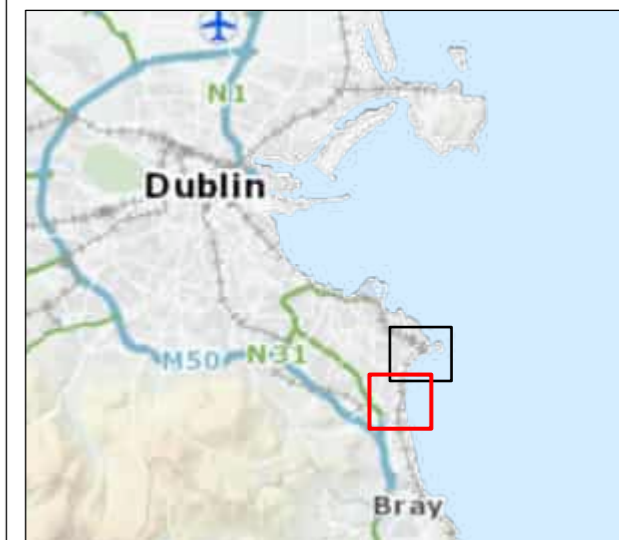


FIGURE 3.2

- Legend
- CCA2-3 - Dalkey Tunnel to Killiney south
  - NPWS National Seacliff Survey 2009-2011
  - Condition Assessment
  - Unfavourable - Bad
  - NPWS Coastal Monitoring Project 2004-2006
  - Annex I Habitats
  - 1220 Perennial vegetation of stony banks
  - 2110 Embryonic shifting dunes
  - 2120 Shifting dunes along the shoreline with *Ammophila arenaria* ('white dunes')
  - 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')
  - Non Annex I Habitats



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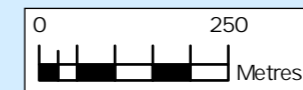
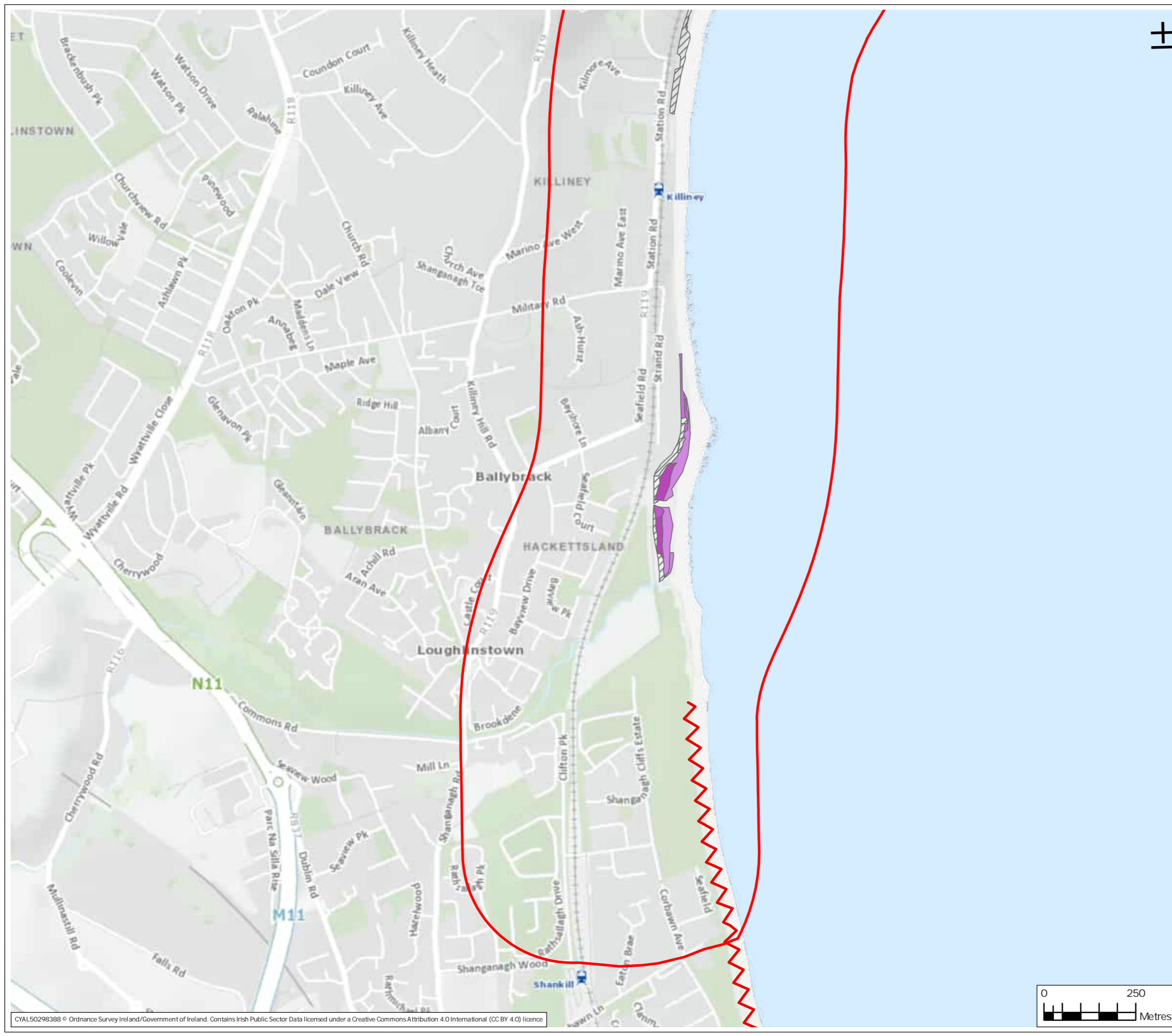
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 CCA2-3- Environmental Constraints - Priority Habitat and Species  
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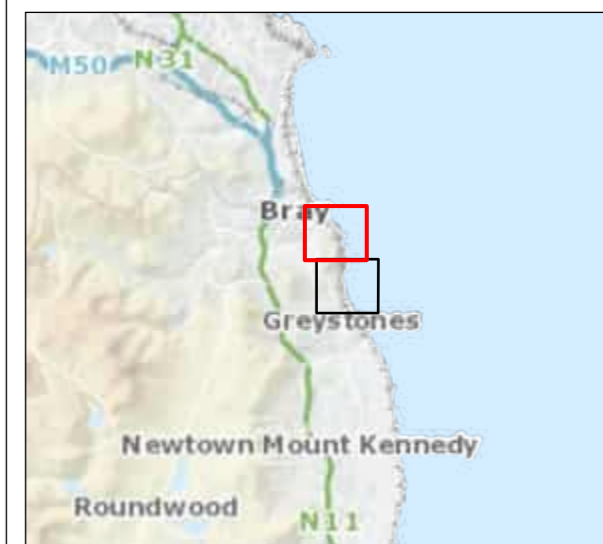




**FIGURE 3.2**

**Legend**

- CCA5 Study Area
- Railway Network Centreline
- NPWS National Seacliff Survey 2009-2011
- ~ Unfavourable - Bad



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Figure 3.2  
CCA5- Environmental Constraints - Priority Habitat and Species  
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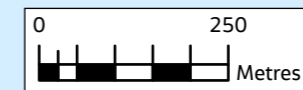
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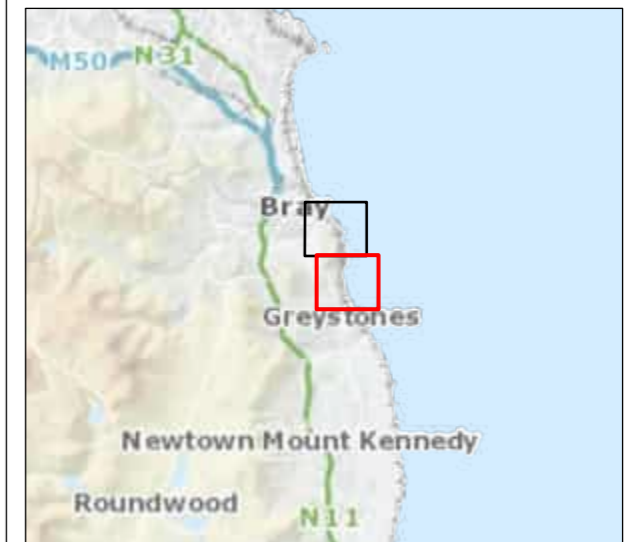
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**FIGURE 3.2**

**Legend**

- CCA5 Study Area
- Railway Network Centreline
- NPWS National Seacliff Survey 2009-2011
- ~ Unfavourable - Bad



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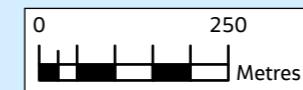
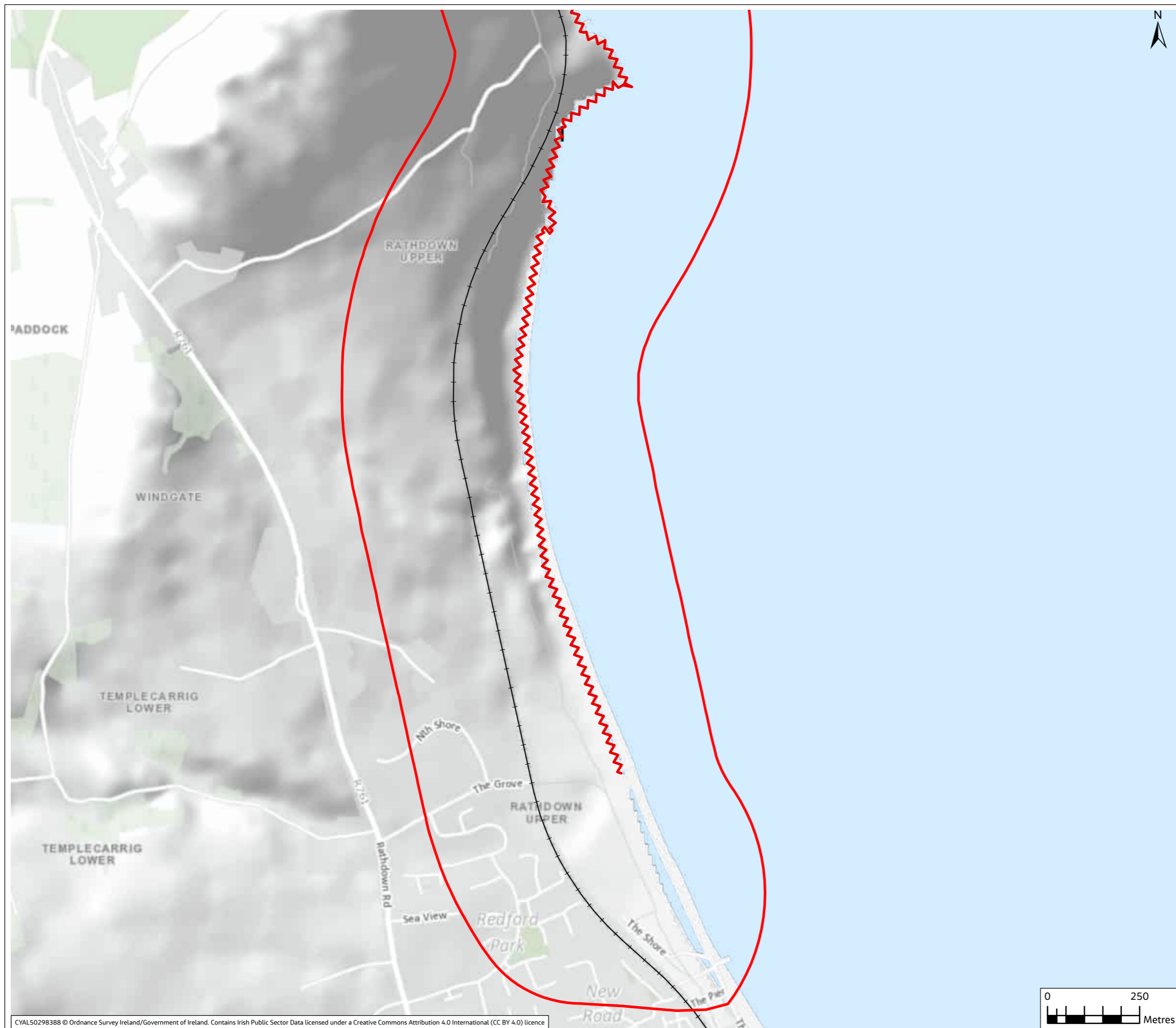
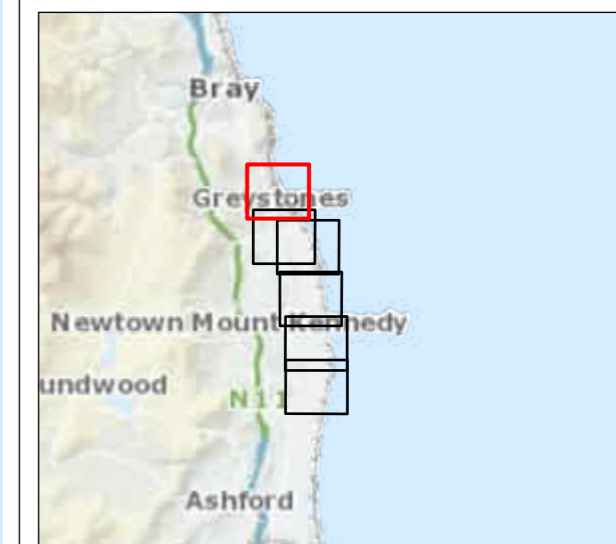


FIGURE 3.2

**Legend**

- CCA6.1 Study Area
- NPWS National Seacliff Survey 2009-2011
- ~ Unfavourable - Bad



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 CCA6.1- Environmental Constraints - Priority Habitat and Species  
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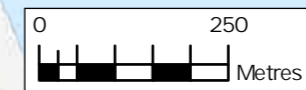

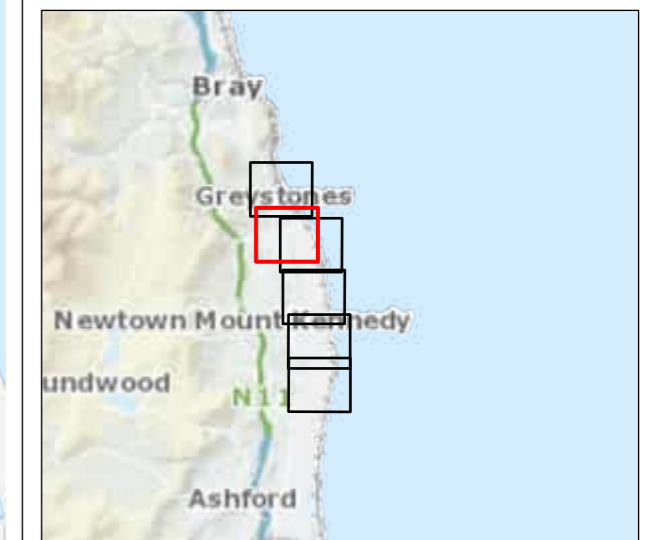
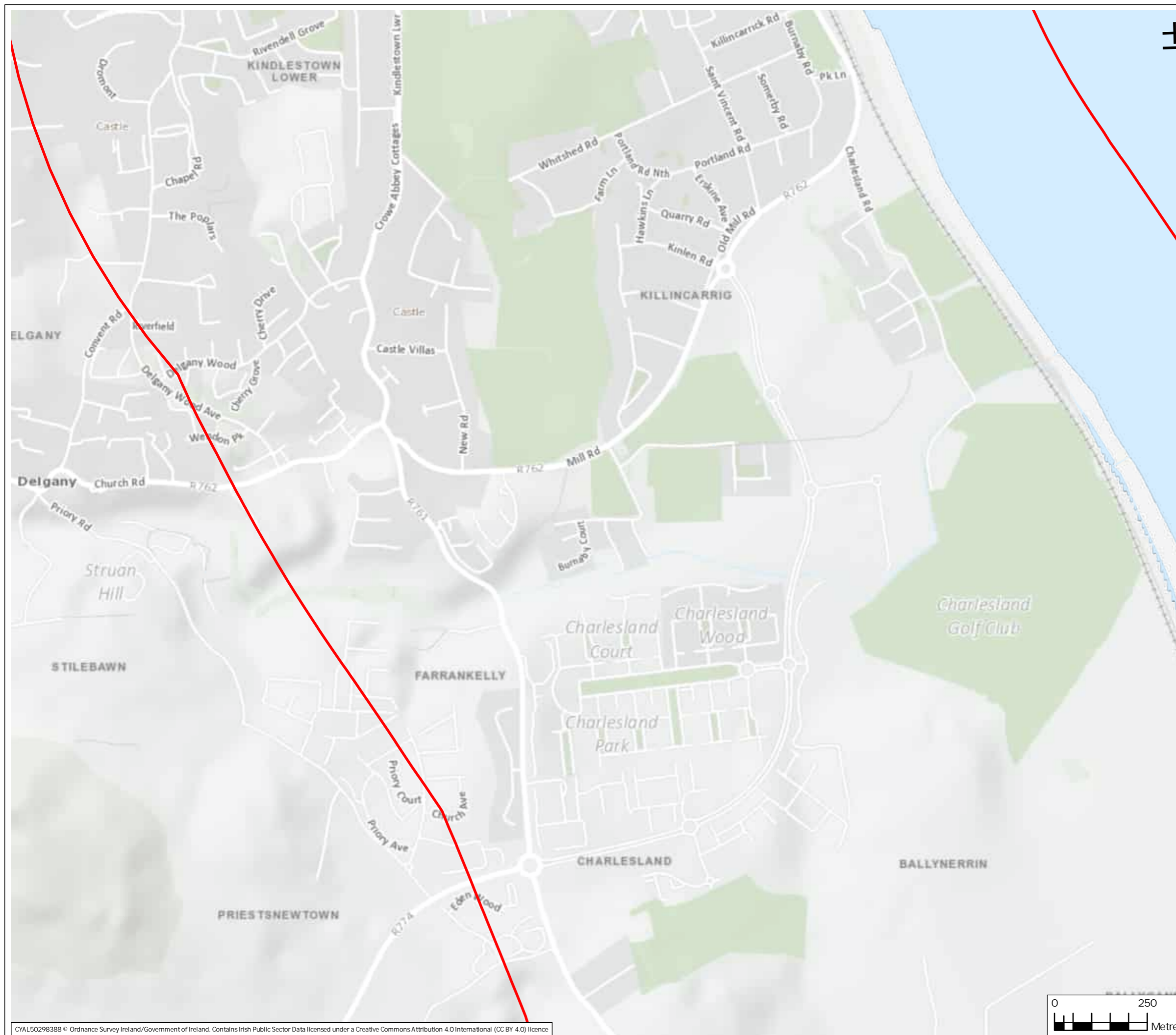


FIGURE 3.2

Legend

 CCA6.1 Study Area



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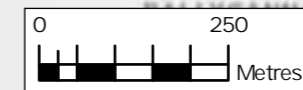

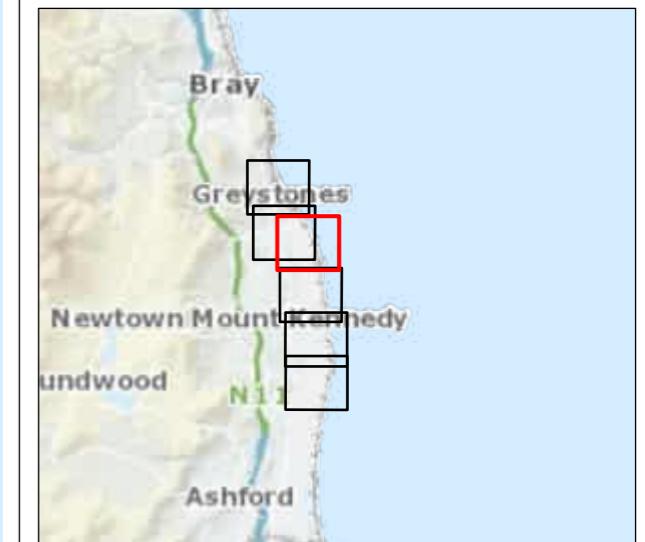
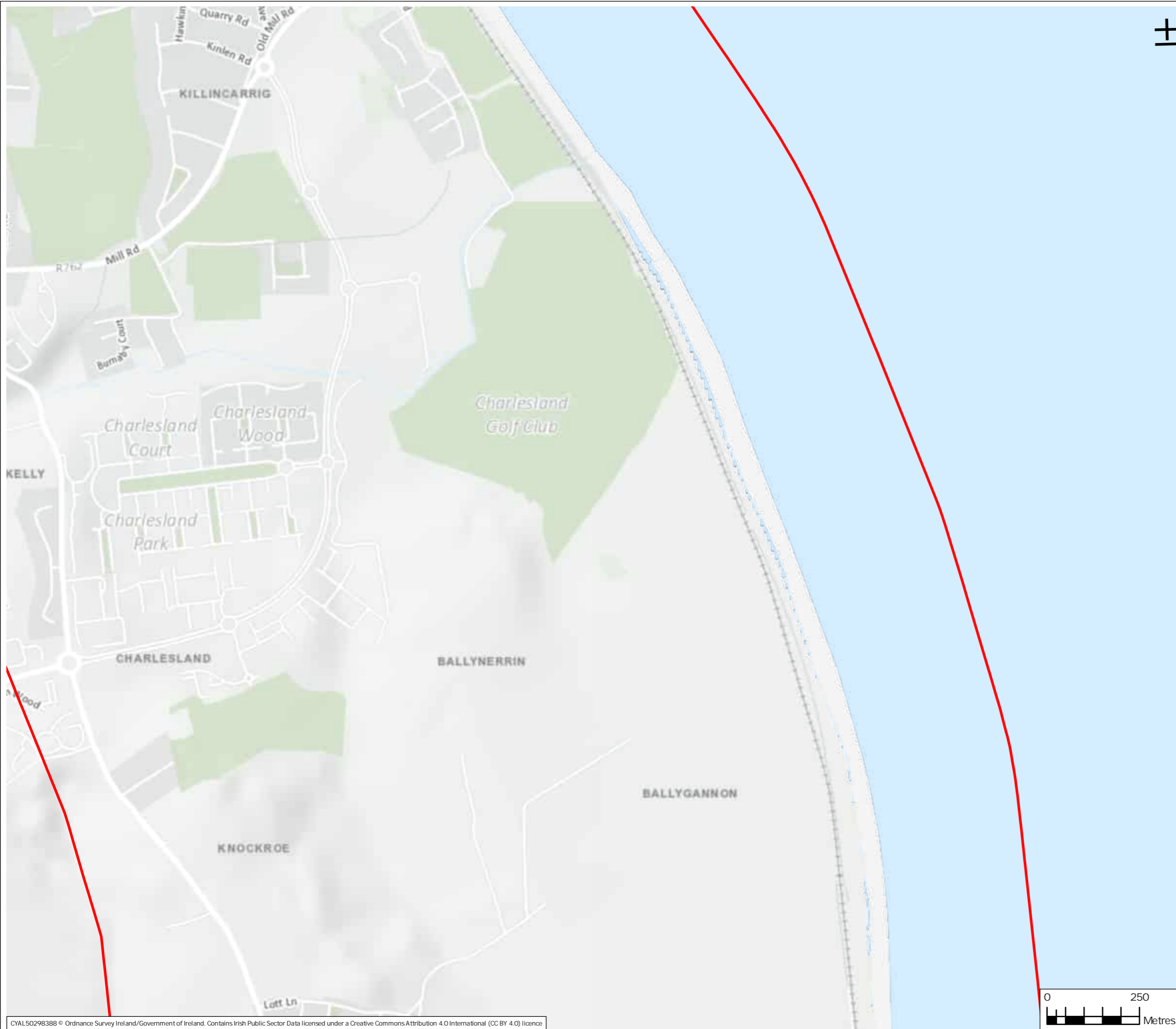


FIGURE 3.2

**Legend**

 CCA6.1 Study Area



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Drawing Title  
 Figure 3.2  
 CCA6.1 - Environmental Constraints - Priority Habitat and Species  
 (Page 3 of 6)

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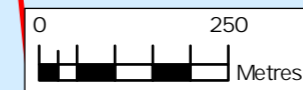
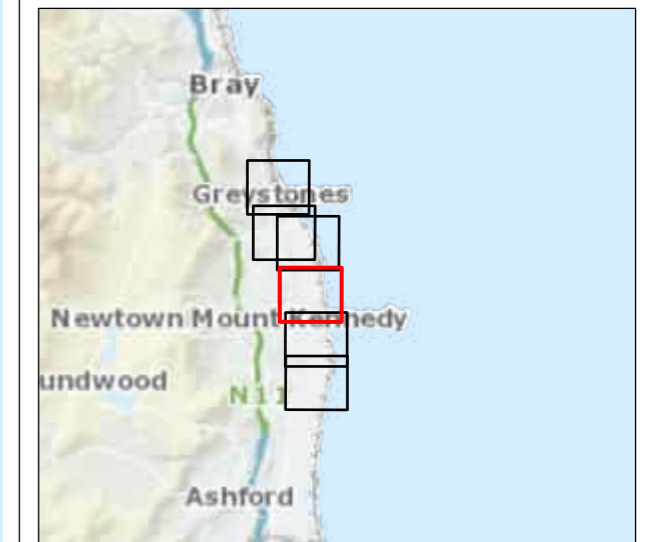


FIGURE 3.2

**Legend**

- CCA6.1 Study Area
- NPWS Coastal Monitoring Project 2004 2006
- Annex I Habitats
  - 1210 Annual vegetation of drift lines
  - 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')
  - Non Annex I Habitats
- NPWS Saltmarsh Monitoring Project 2006 2008
- Annex I Habitats
  - 1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)
  - 1410 Mediterranean salt meadows (*Juncetalia maritimi*)
  - Non Annex I Habitats



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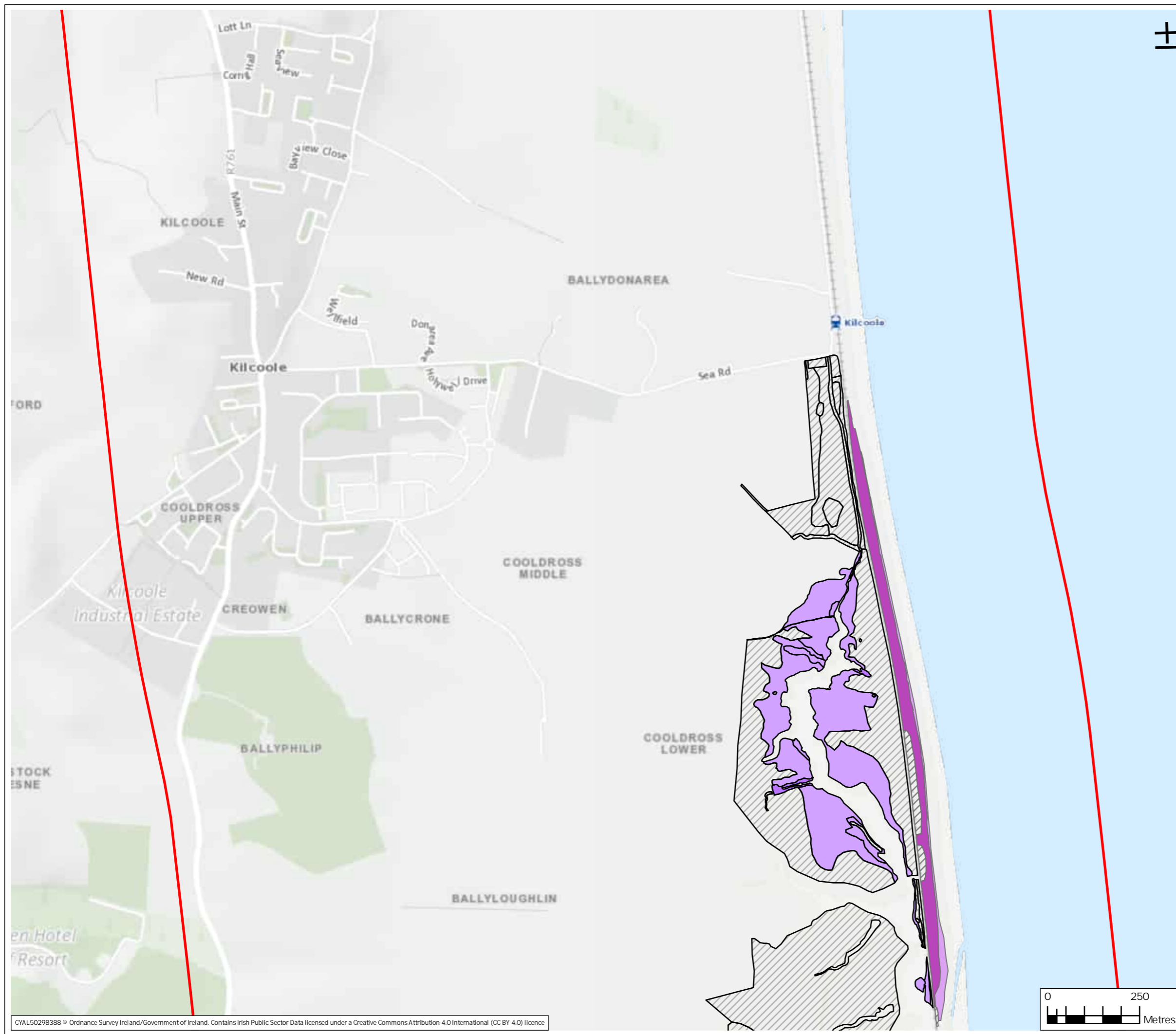
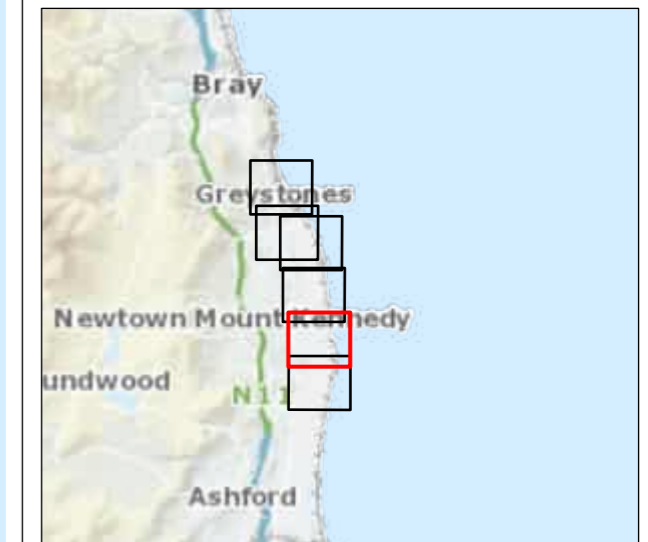


FIGURE 3.2

**Legend**

- CCA6.1 Study Area
- NPWS Coastal Monitoring Project 2004 2006
- Annex I Habitats
  - 1210 Annual vegetation of drift lines
  - 1220 Perennial vegetation of stony banks
  - 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')
  - Non Annex I Habitats
- NPWS Saltmarsh Monitoring Project 2006 2008
- Annex I Habitats
  - 1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)
  - Non Annex I Habitats



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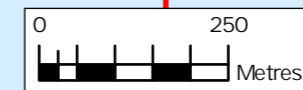
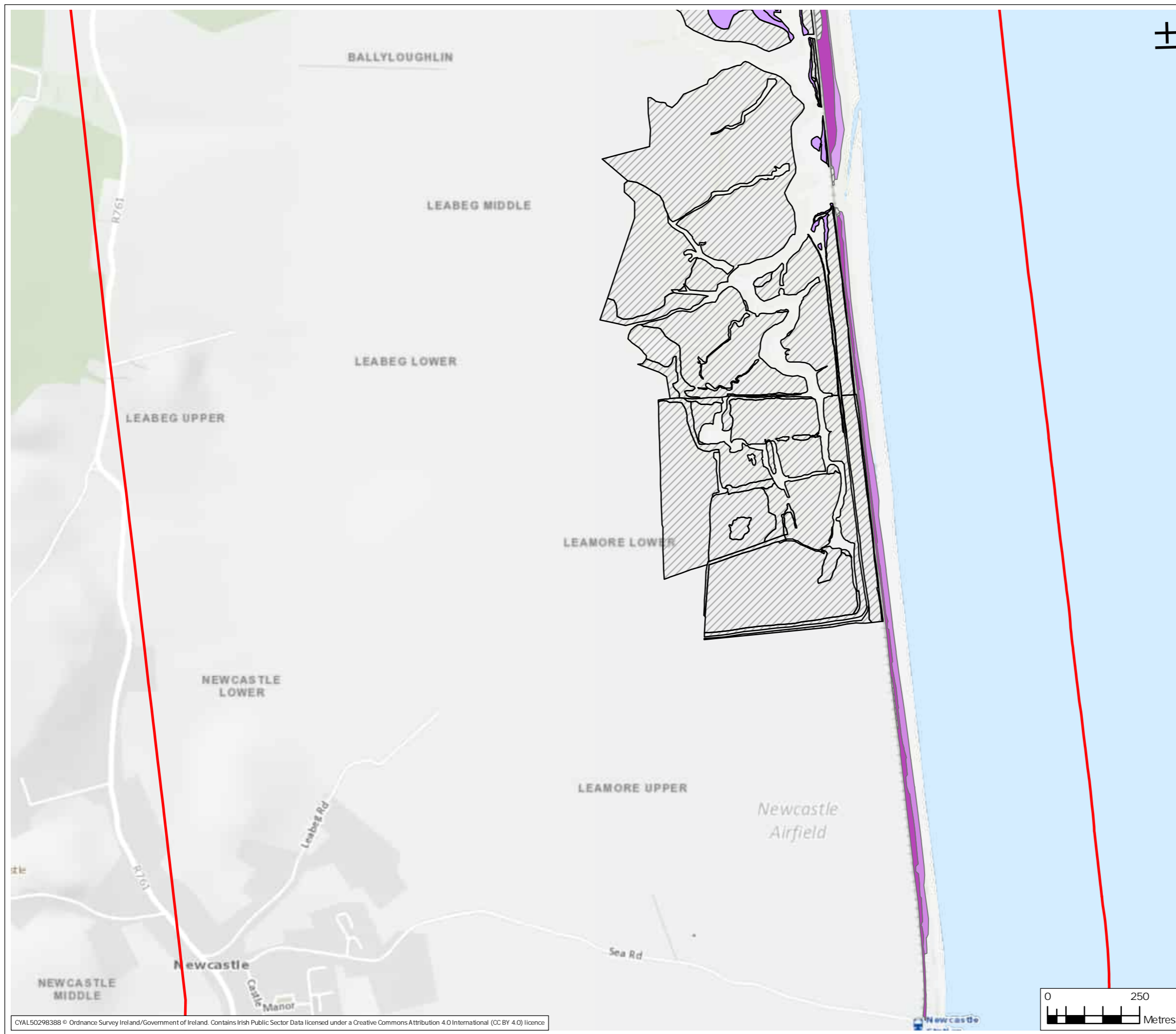
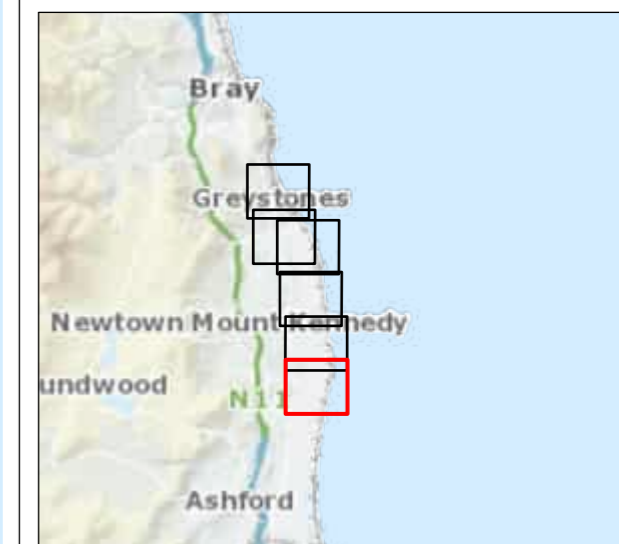


FIGURE 3.2

**Legend**

- CCA6.1 Study Area
- NPWS Coastal Monitoring Project 2004 2006
- Annex I Habitats
  - 1210 Annual vegetation of drift lines
  - 1220 Perennial vegetation of stony banks
  - 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')



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Figure 3.2  
CCA6.1- Environmental Constraints - Priority Habitat and Species  
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Drawing Status

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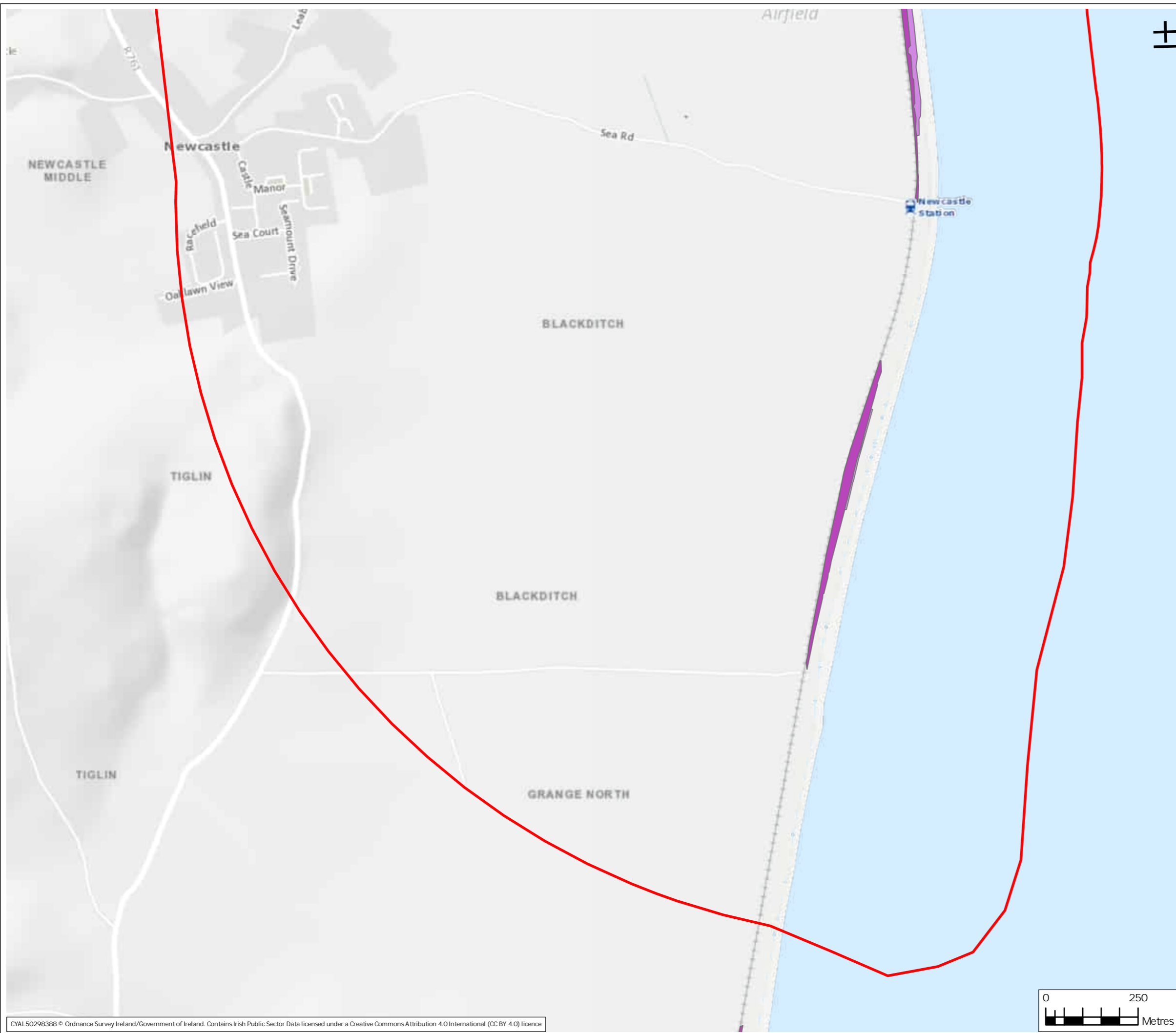
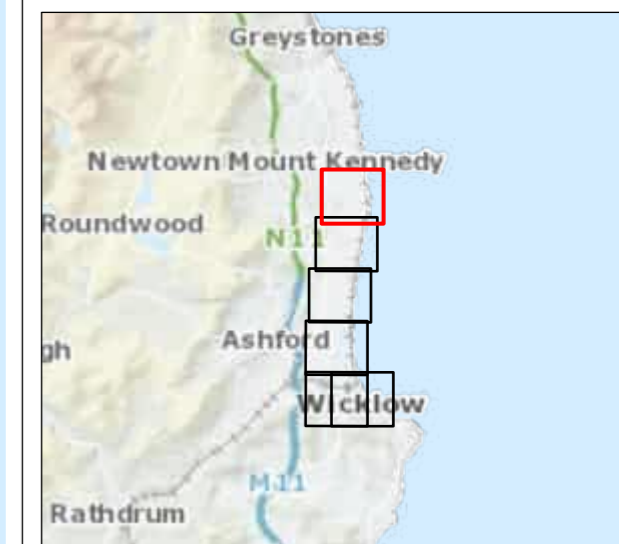




FIGURE 3.2

**Legend**

- CCA6.2 Study Area
- NPWS Coastal Monitoring Project 2004 2006
- Annex I Habitats
  - 1210 Annual vegetation of drift lines
  - 1220 Perennial vegetation of stony banks
  - 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')
  - Non Annex I Habitats
- NPWS Saltmarsh Monitoring Project 2006 2008
- Annex I Habitats
  - 1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritima*)
  - Non Annex I Habitats



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Figure 3.2  
CCA6.2- Environmental Constraints - Priority Habitat and Species  
(Page 1 of 6)

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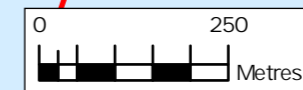
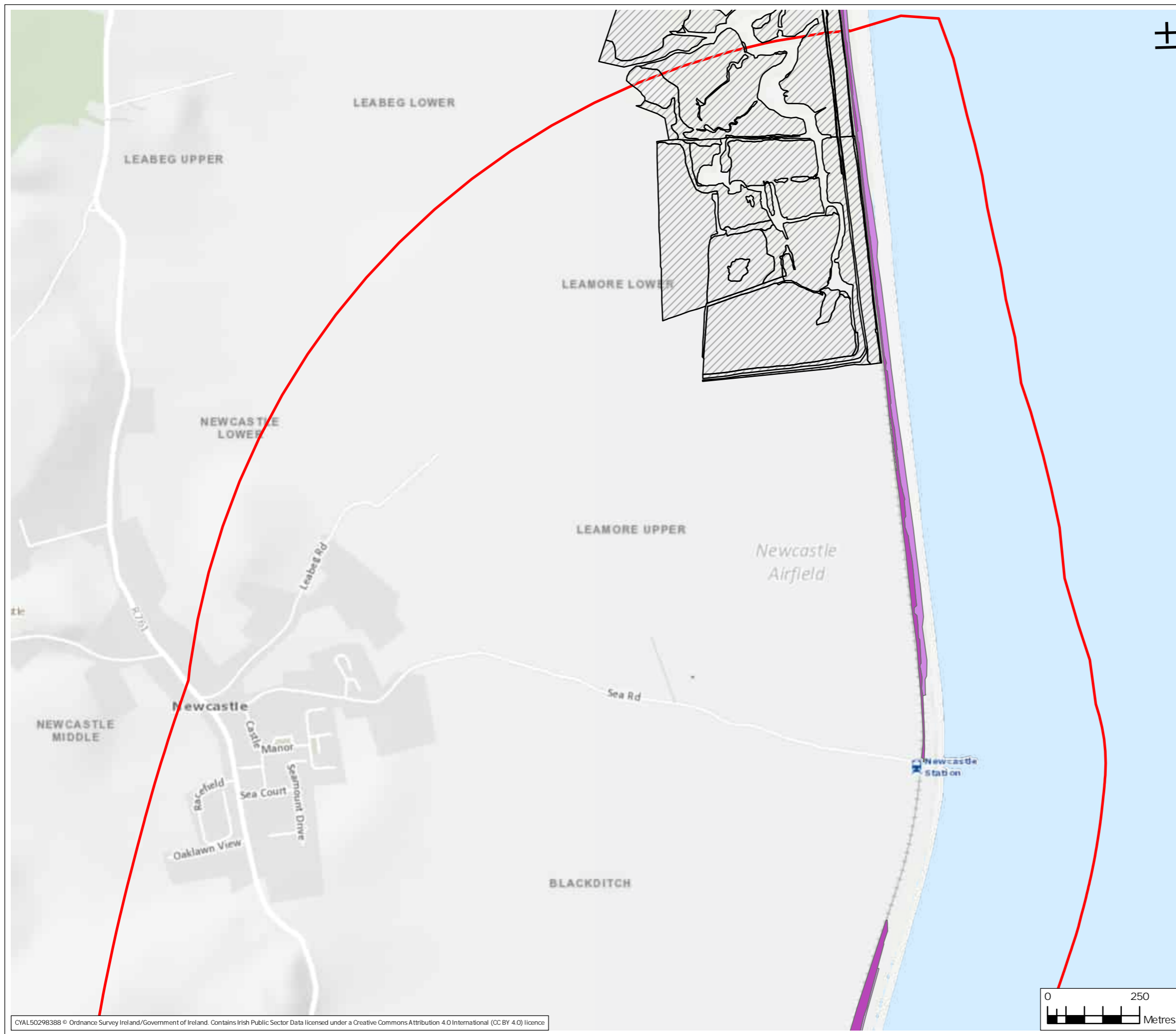
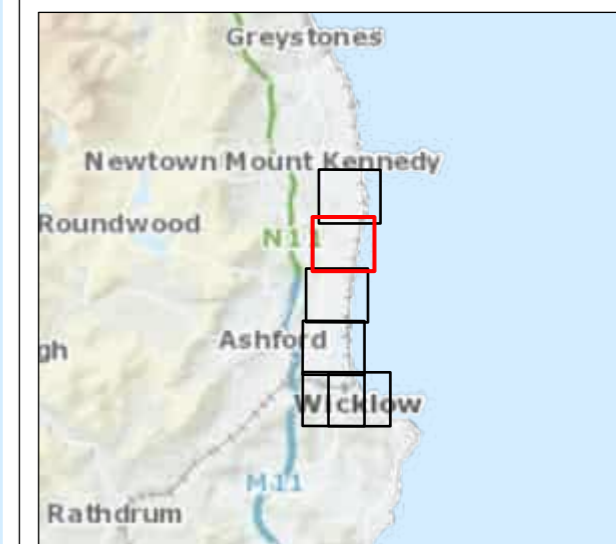


FIGURE 3.2

**Legend**

- CCA6.2 Study Area
- NPWS Coastal Monitoring Project 2004 2006
- Annex I Habitats
  - 1210 Annual vegetation of drift lines
  - 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')



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Figure 3.2  
 CCA6.2- Environmental Constraints - Priority Habitat and Species  
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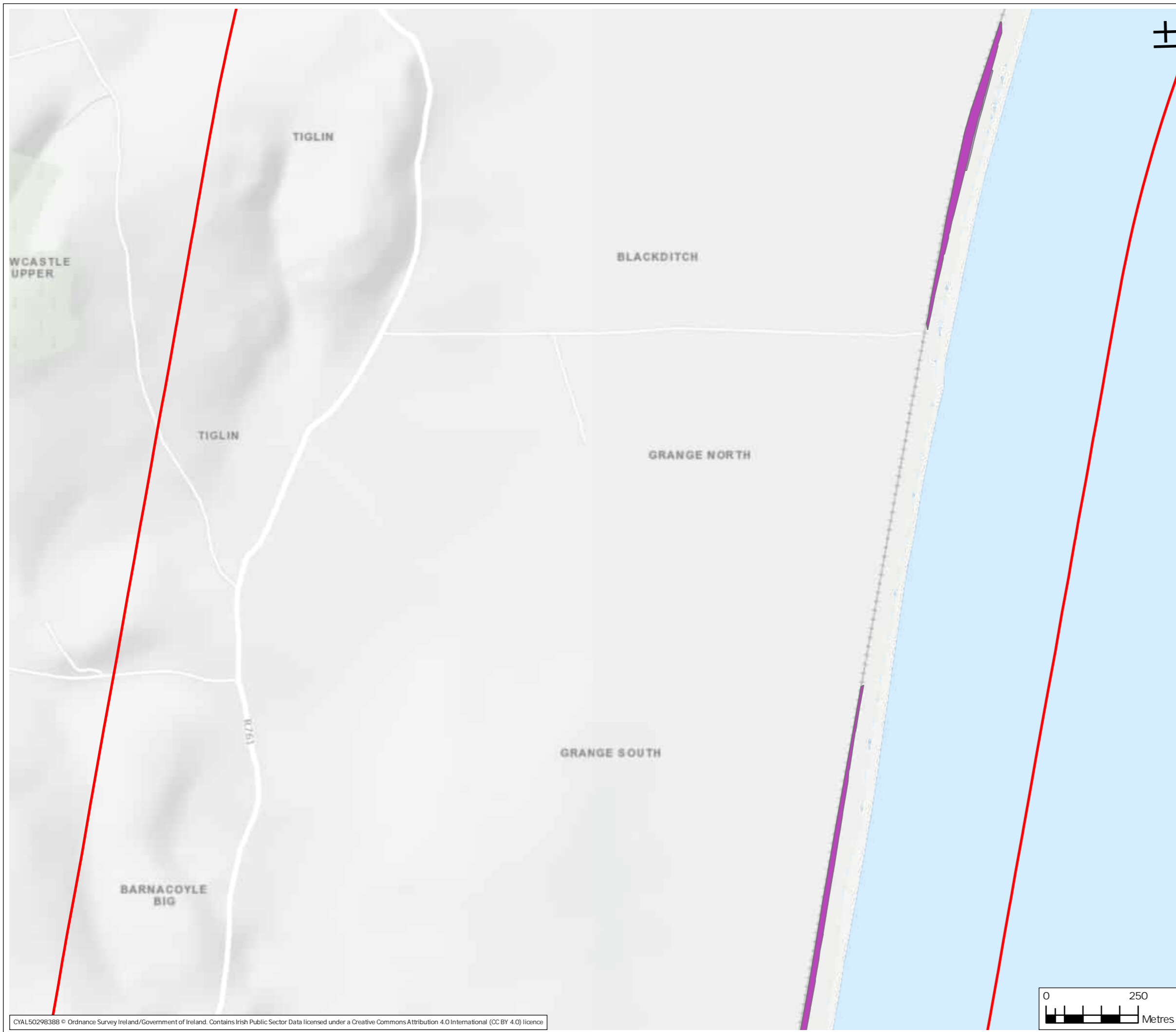
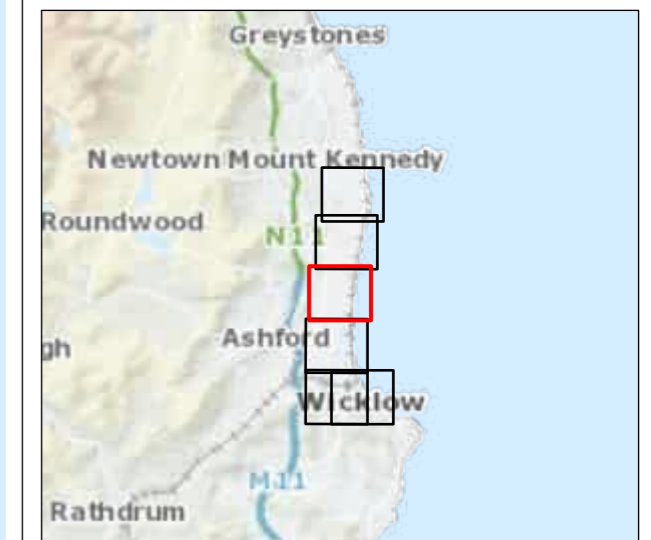


FIGURE 3.2

**Legend**

- CCA6.2 Study Area
- NPWS Coastal Monitoring Project 2004 2006
- Annex I Habitats
  - 1220 Perennial vegetation of stony banks
  - 2110 Embryonic shifting dunes
  - 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')
  - Non Annex I Habitats



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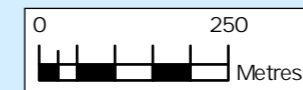
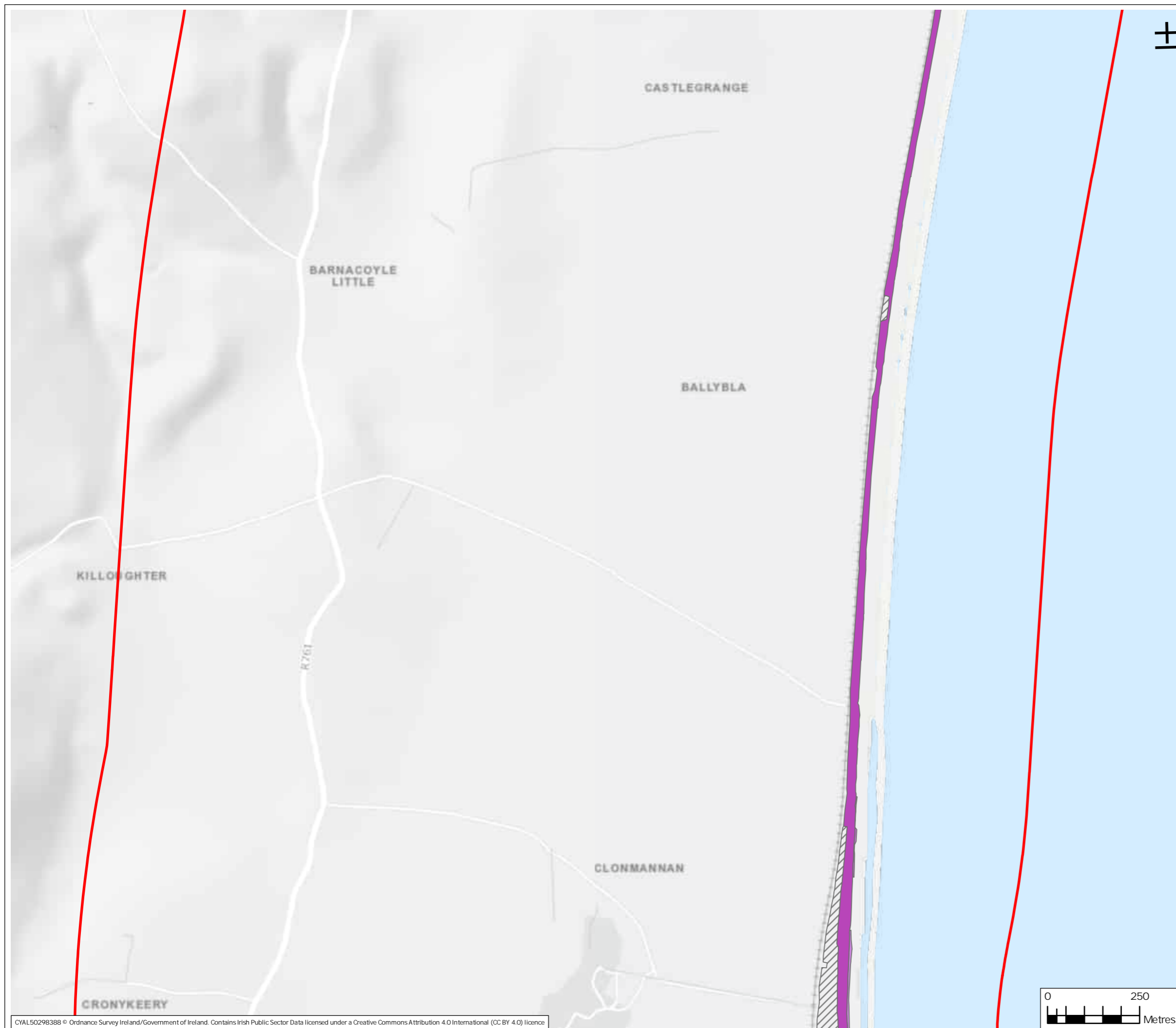
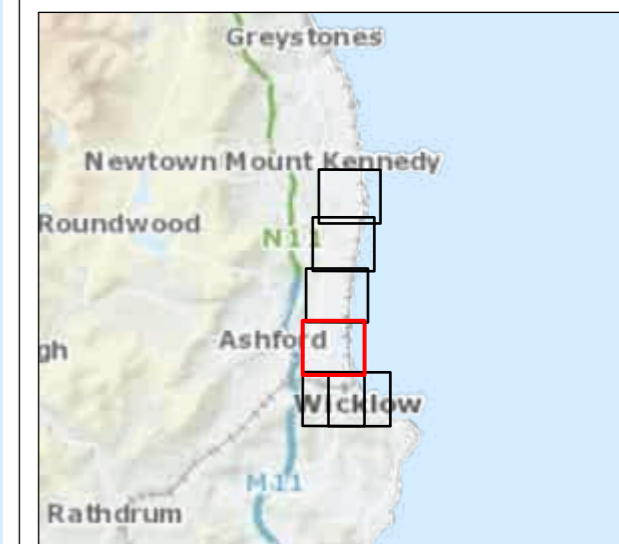


FIGURE 3.2

**Legend**

- CCA6.2 Study Area
- NPWS Coastal Monitoring Project 2004 2006
- Annex I Habitats
  - 1220 Perennial vegetation of stony banks
  - 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')
  - Non Annex I Habitats
- NPWS Saltmarsh Monitoring Project 2006 2008
- Annex I Habitats
  - Potential 1330, Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)
  - Non Annex I Habitats



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CCA6.2- Environmental Constraints - Priority Habitat and Species  
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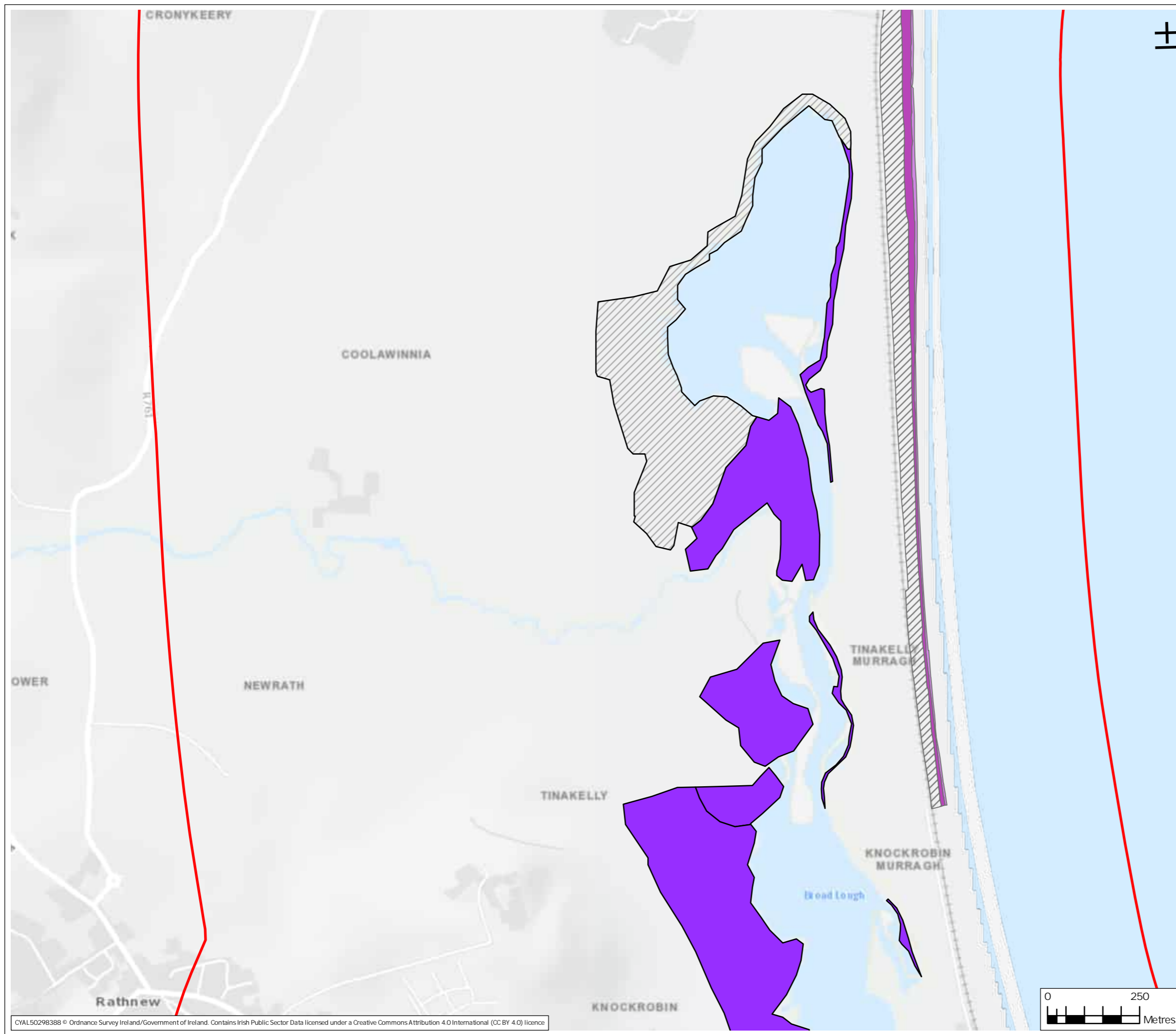
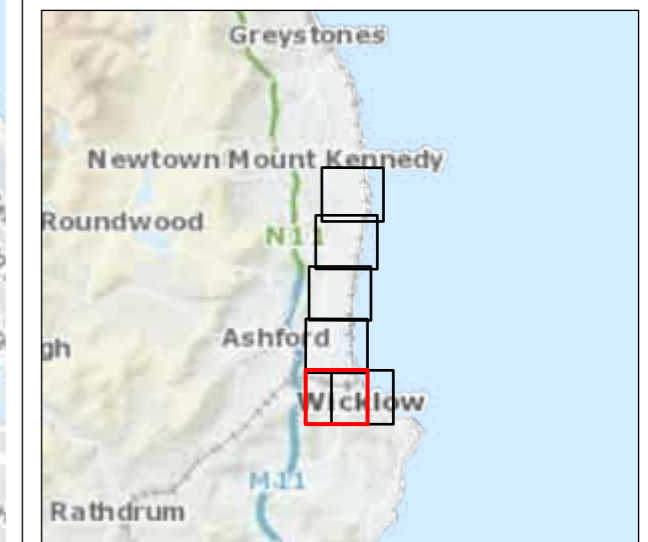


FIGURE 3.2

**Legend**

- CCA6.2 Study Area
- NPWS Saltmarsh Monitoring Project 2006 2008
- Annex I Habitats
- Potential 1330, Atlantic salt meadows (*Glauco-Puccinellietalia maritima*)



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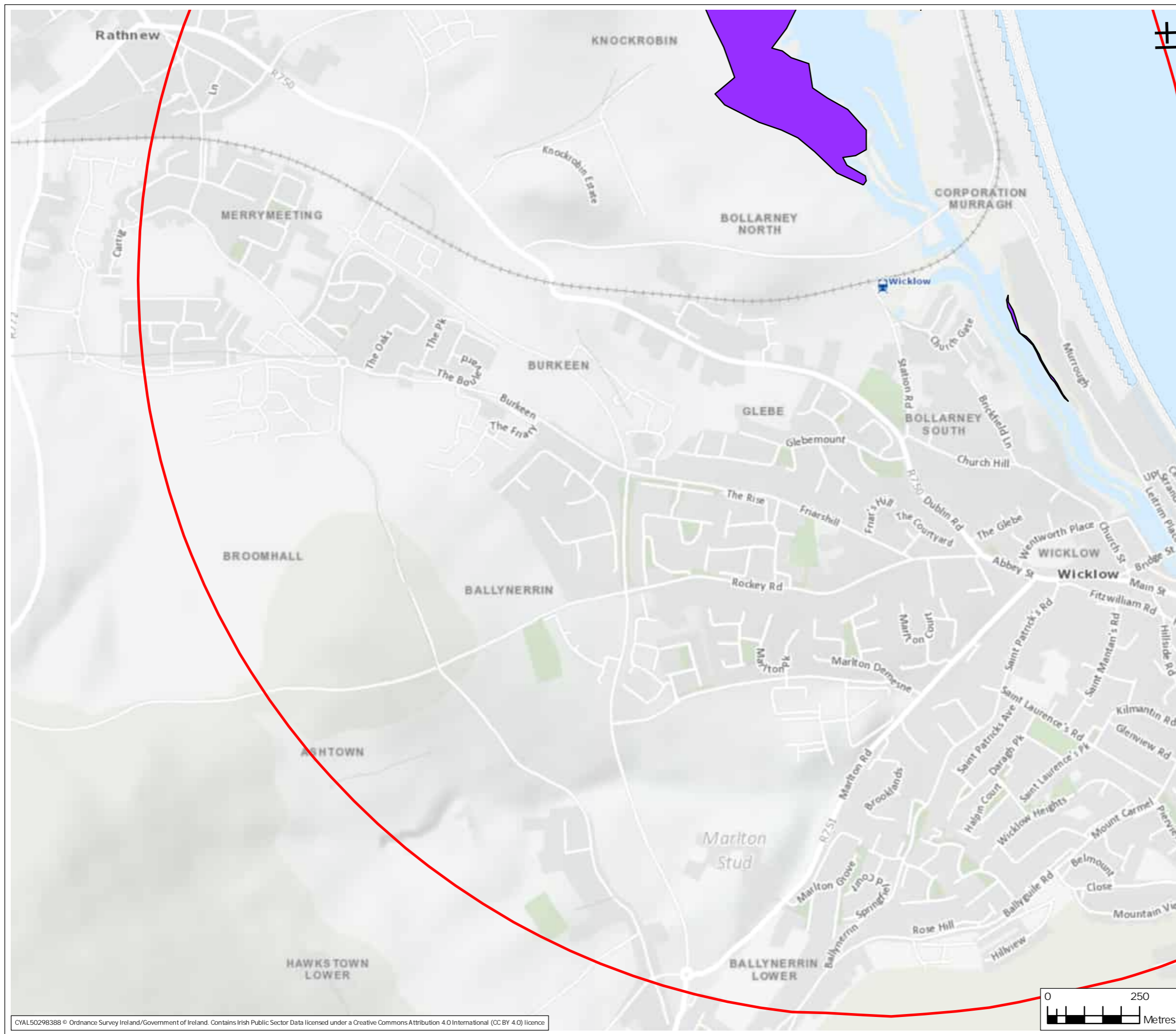
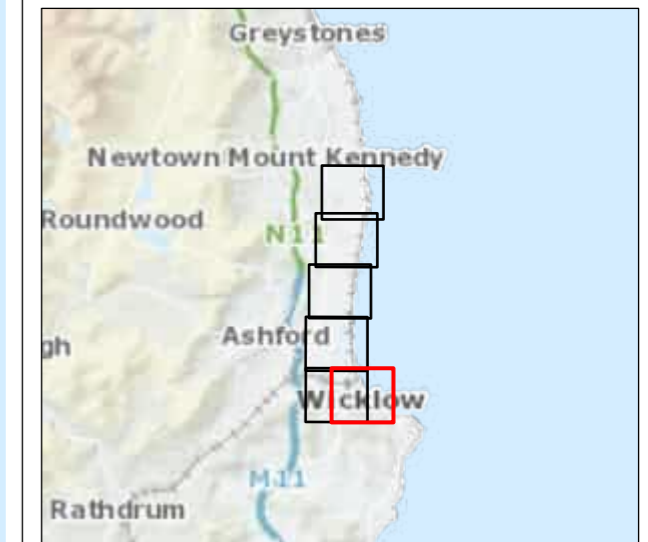


FIGURE 3.2

**Legend**

- CCA6.2 Study Area
- NPWS Saltmarsh Monitoring Project 2006 2008
- Annex I Habitats
- Potential 1330, Atlantic salt meadows (*Glauco-Puccinellietalia maritima*)
- NPWS National Seacliff Survey 2009-2011
- Not Assessed



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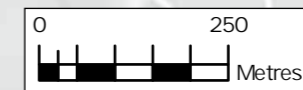
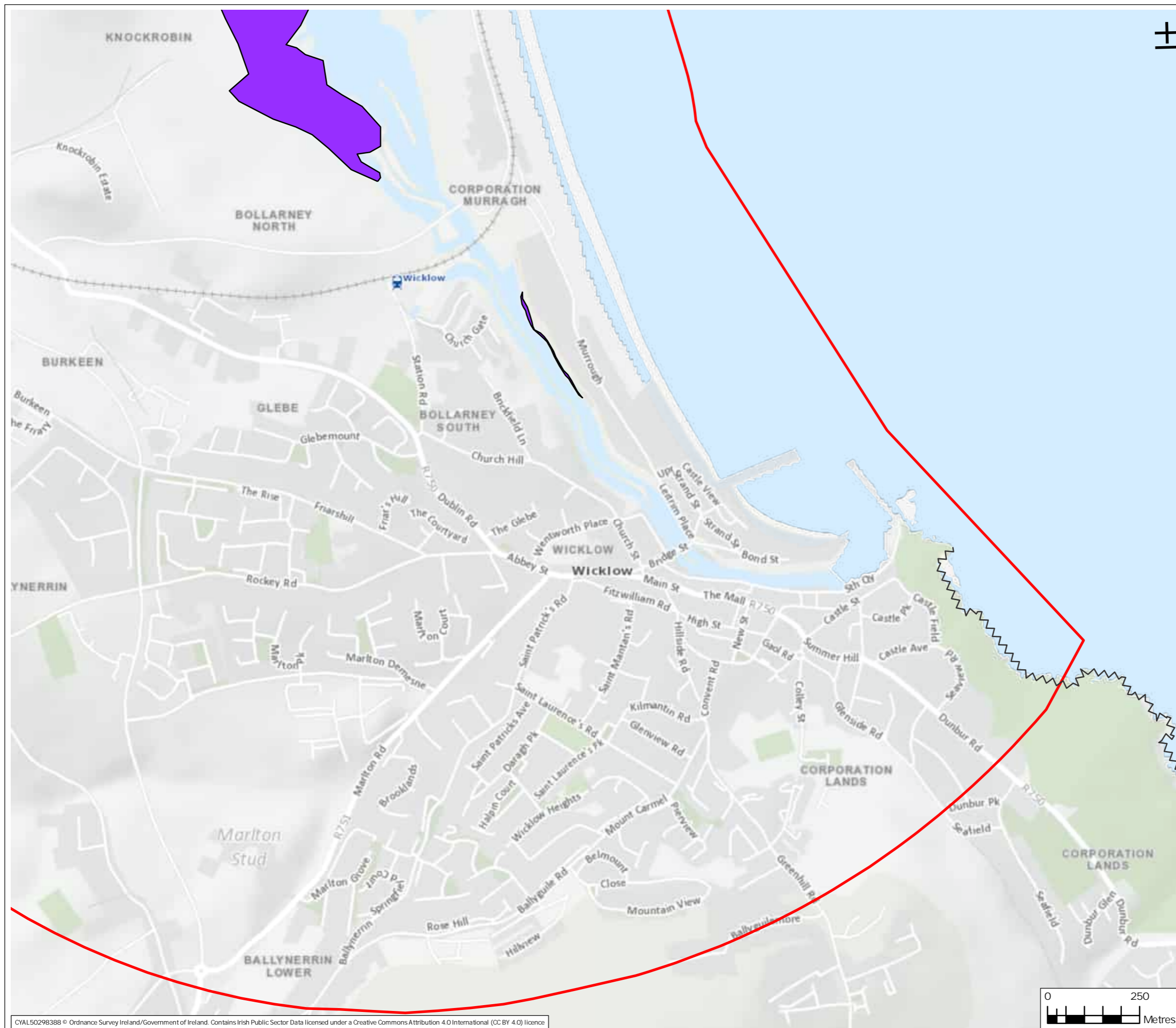
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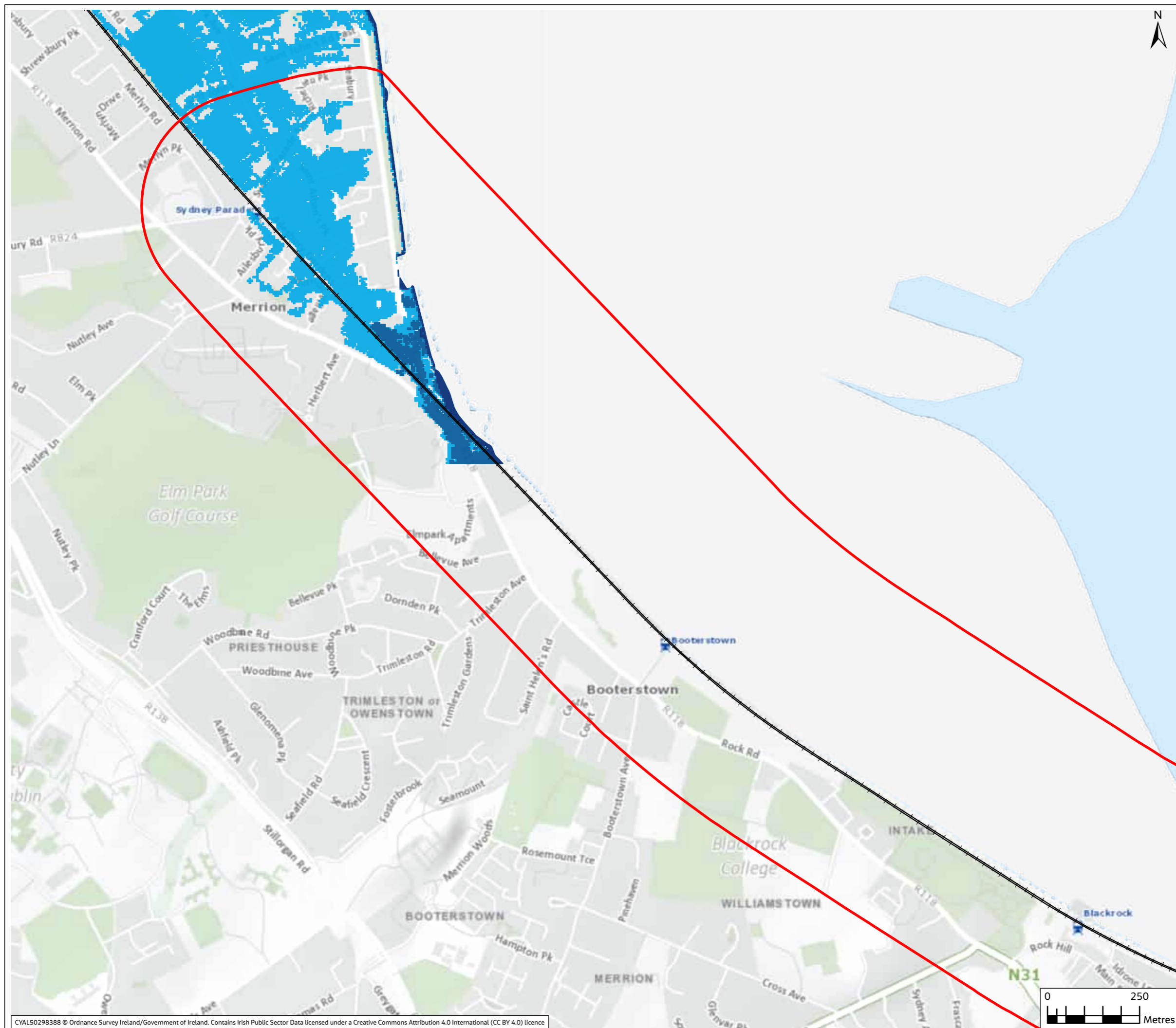
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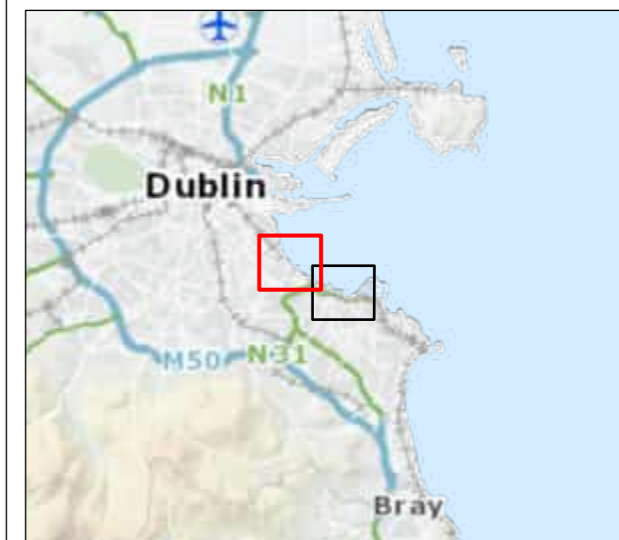
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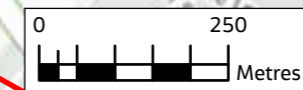
**FIGURE 4.1**



- Legend**
- CCA1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.1 CCA1- Environmental Constraints Coastal Mid-Range Present Flood Extents (Page 1 of 2)						
Drawing Status						
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Phase 2						
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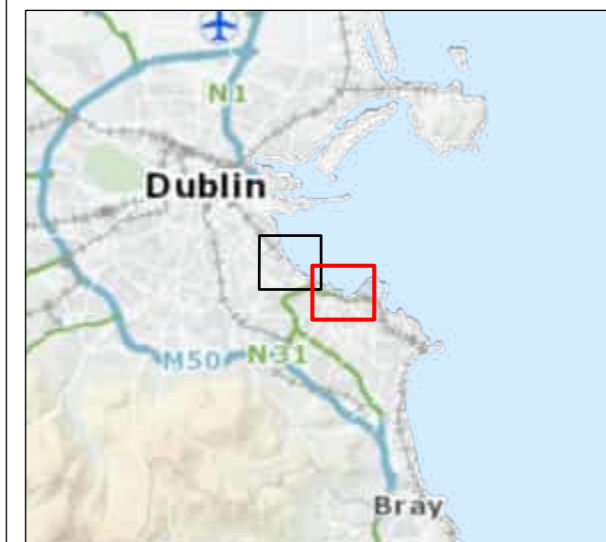
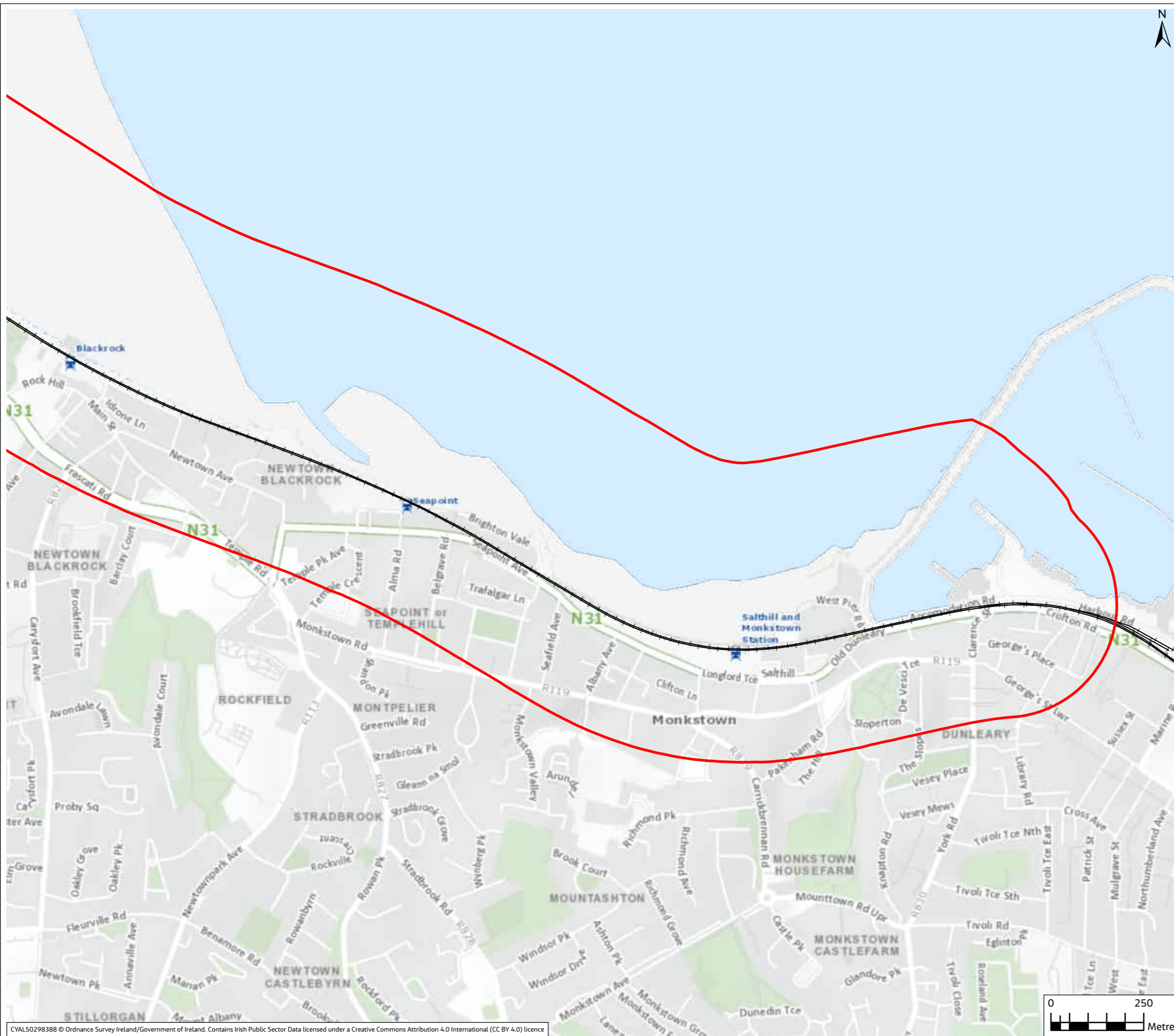
FIGURE 4.1

Legend

- CCA1 Study Area
- Railway Network Centreline

Coastal Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Project

7694 EAST COAST RAILWAY  
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 4.1  
CCA1- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 2 of 2)

Drawing Status

ISSUE FOR ACCEPTANCE

State Code

Phase 2

Scale @ A3

1:10,000

DO NOT SCALE

Jacobs No.

D3658301

Rev

VO1

Client No.

8093

Drawing No.

7964-CCA1-P2-DWG-EV-JAC-4003

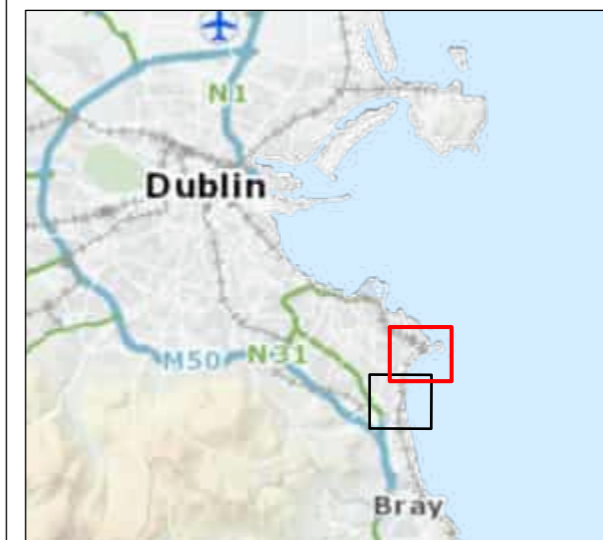
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**FIGURE 4.1**

- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Drawing Title

Figure 4.1  
 CCA2-3- Environmental Constraints  
 Coastal Mid-Range Present Flood Extents  
 (Page 1 of 2)

Drawing Status

ISSUE FOR ACCEPTANCE

State Code	Phase 2	DO NOT SCALE
Scale @ A3	1:10,000	
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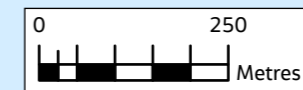
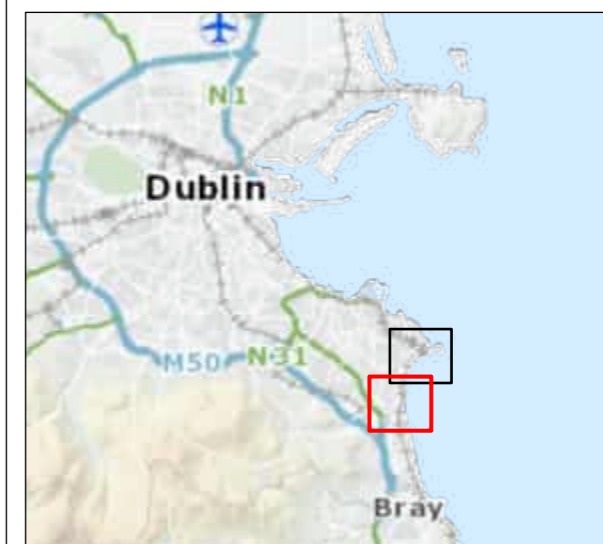


FIGURE 4.1

- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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7694 EAST COAST RAILWAY  
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Drawing Title

Figure 4.1  
CCA2-3- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 2 of 2)

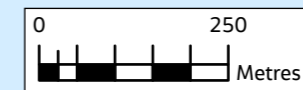
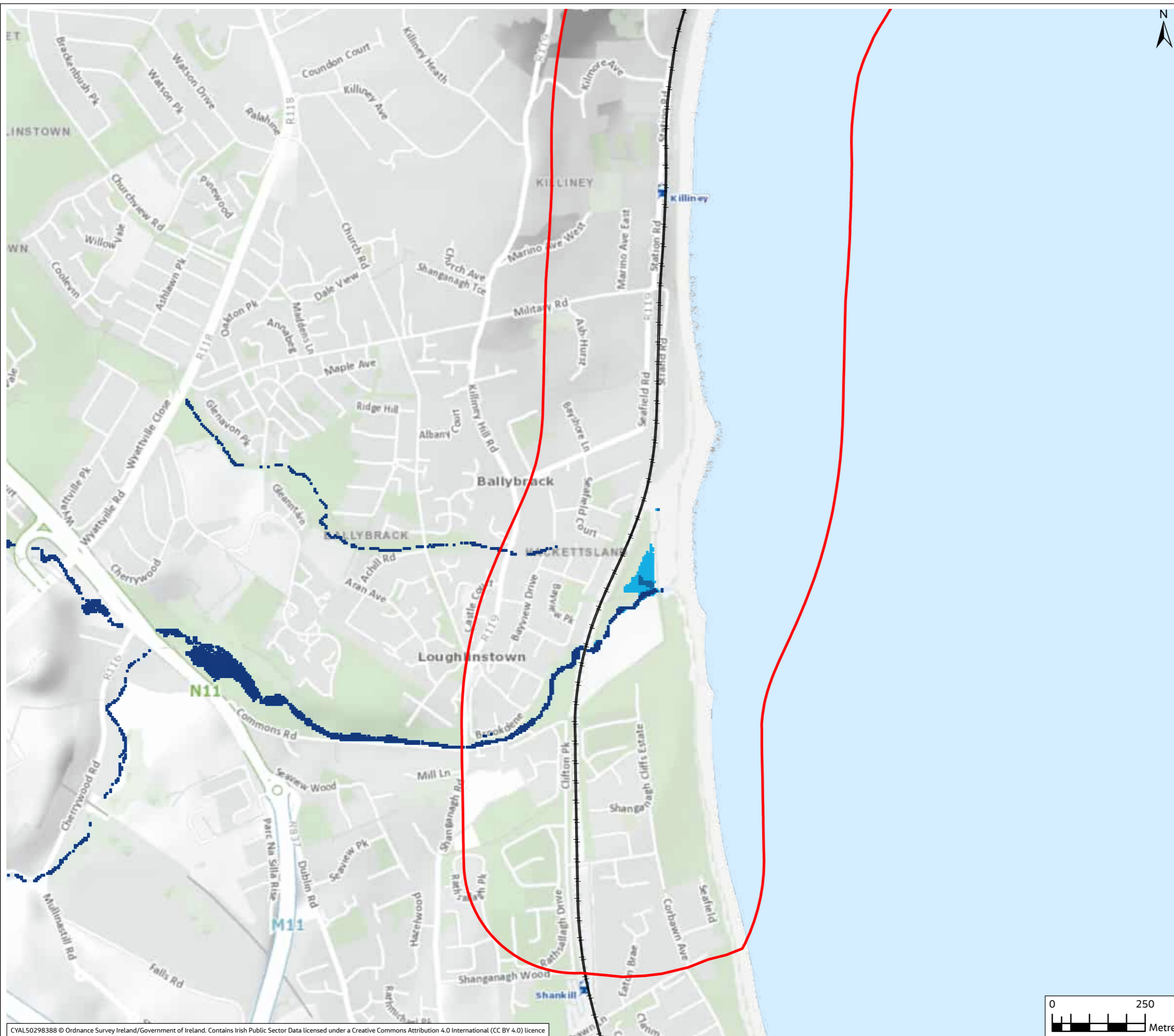
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Client No.	8093	V01
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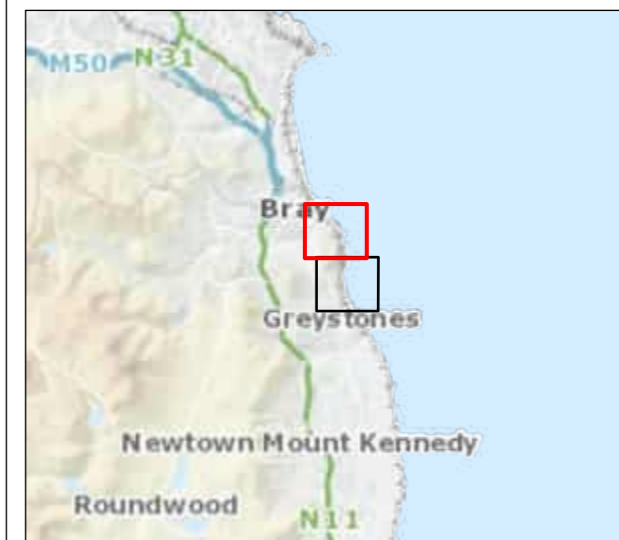
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**FIGURE 4.1**

- Legend**
- CCA5 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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**Figure 4.1  
 CCA5- Environmental Constraints  
 Coastal Mid-Range Present Flood Extents  
 (Page 1 of 2)**

Drawing Status

**ISSUE FOR ACCEPTANCE**

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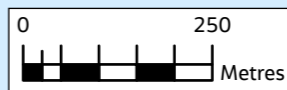
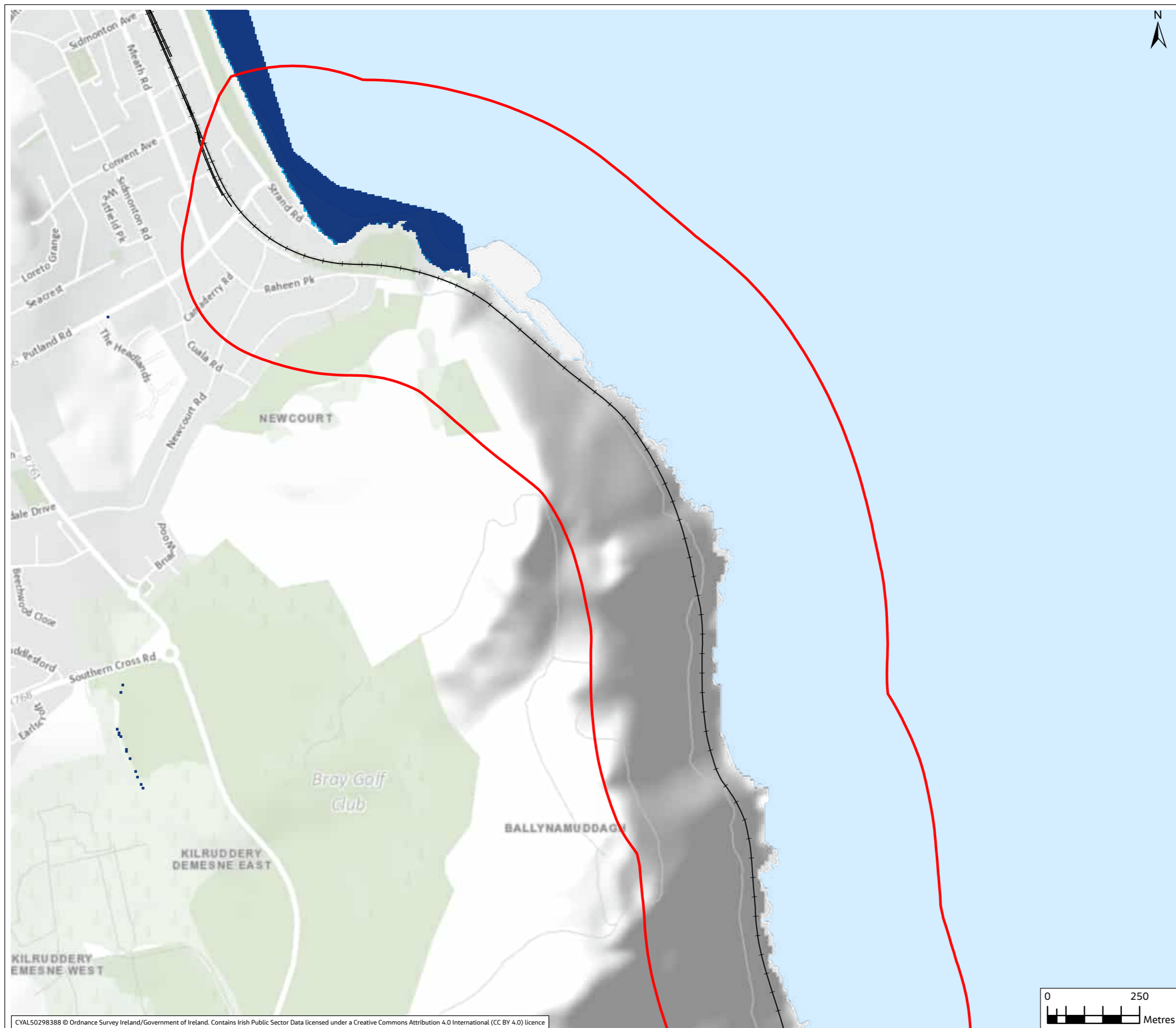
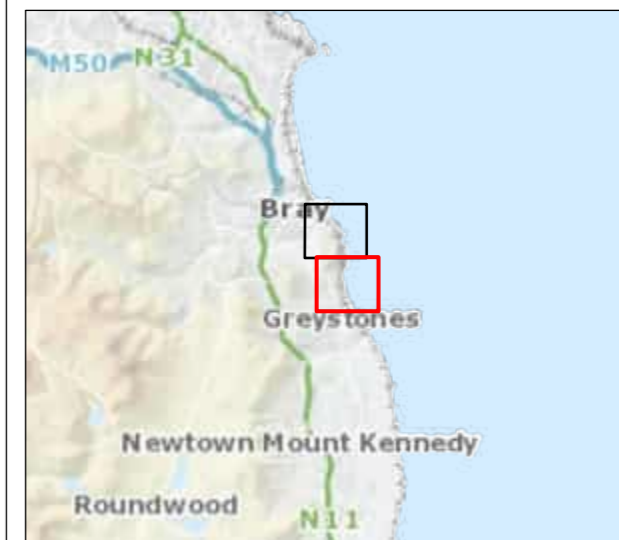


FIGURE 4.1

- Legend**
- CCA5 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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7694 EAST COAST RAILWAY  
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Drawing Title

Figure 4.1  
 CCA5- Environmental Constraints  
 Coastal Mid-Range Present Flood Extents  
 (Page 2 of 2)

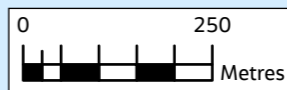
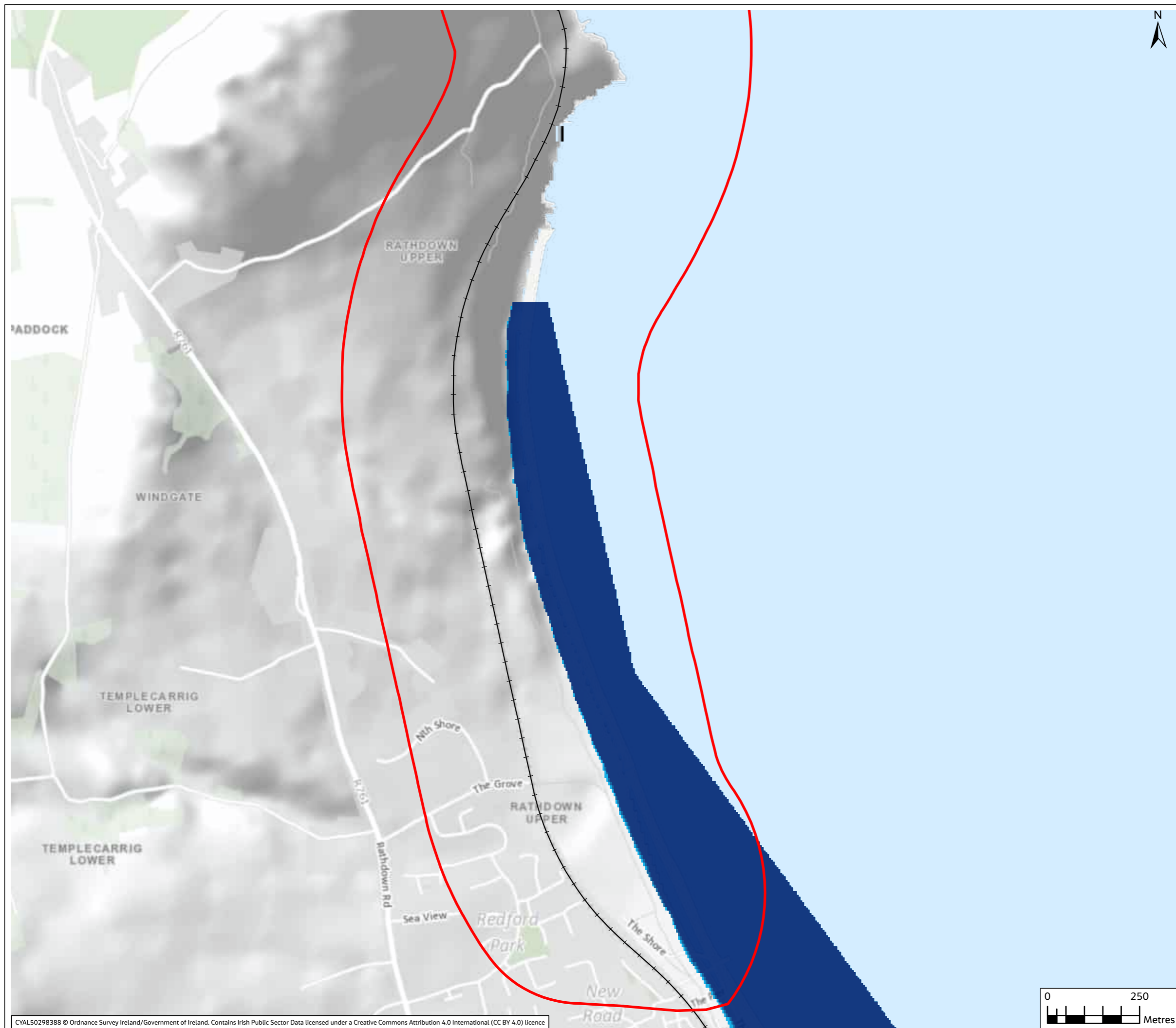
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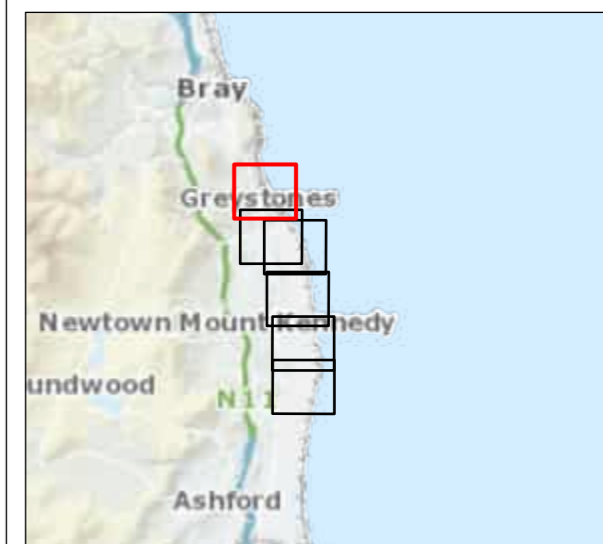
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**FIGURE 4.1**

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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**Figure 4.1  
 CCA6.1- Environmental Constraints  
 Coastal Mid-Range Present Flood Extents  
 (Page 1 of 6)**

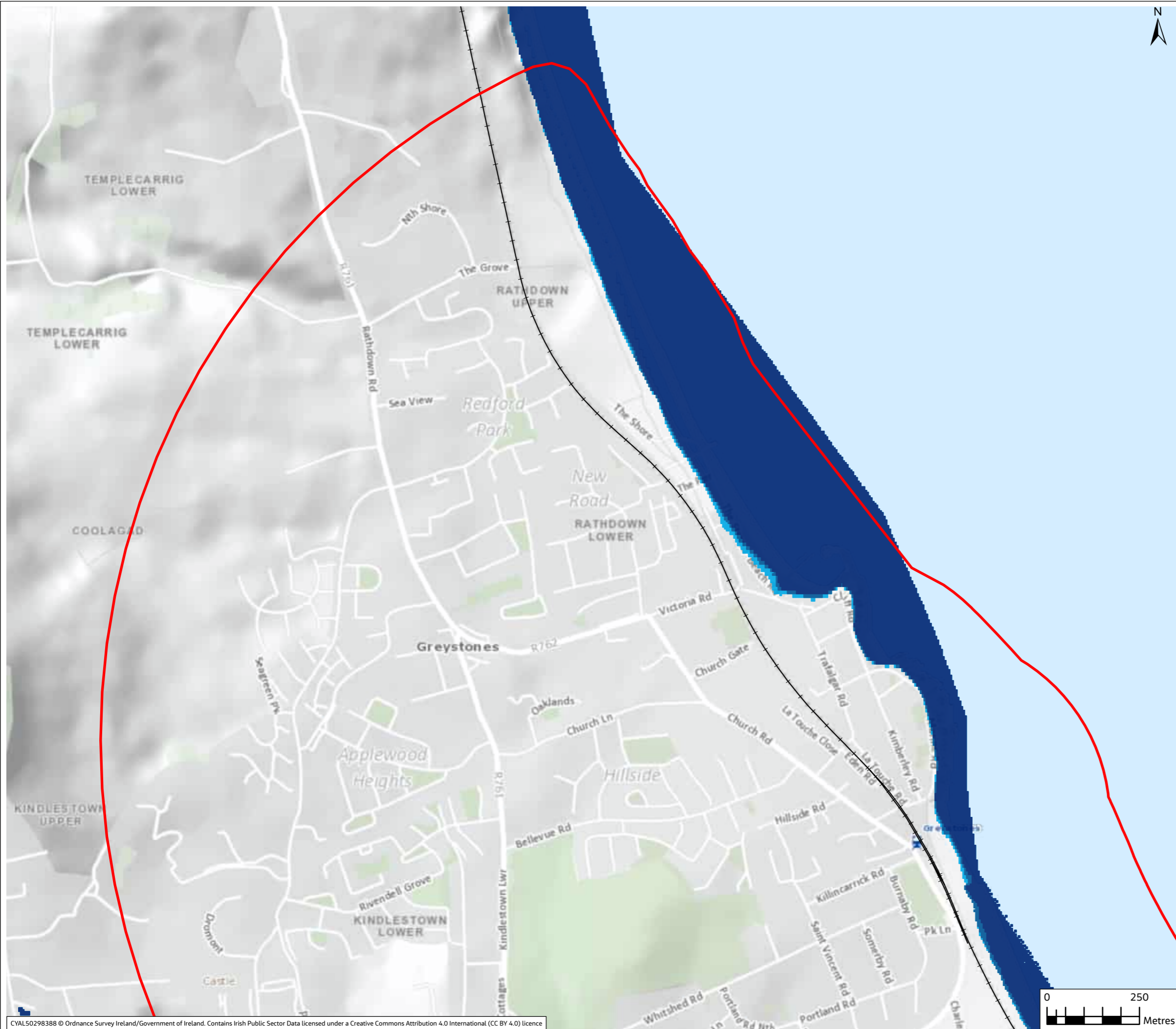
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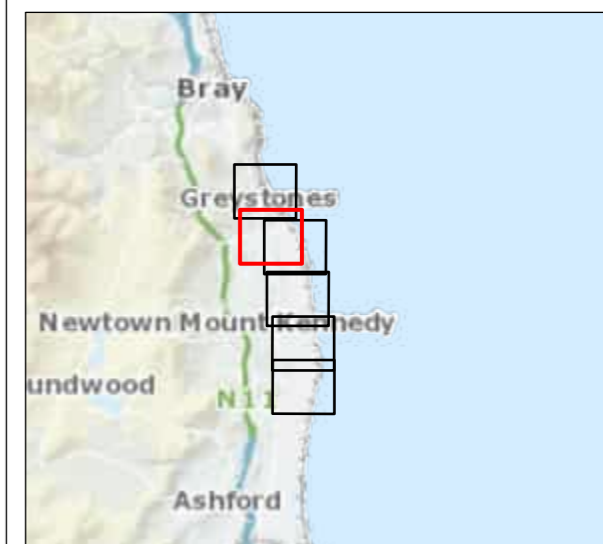
**FIGURE 4.1**

**Legend**

- CCA6.1 Study Area
- Railway Network Centreline

**Coastal Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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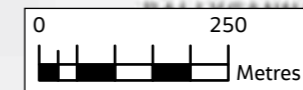
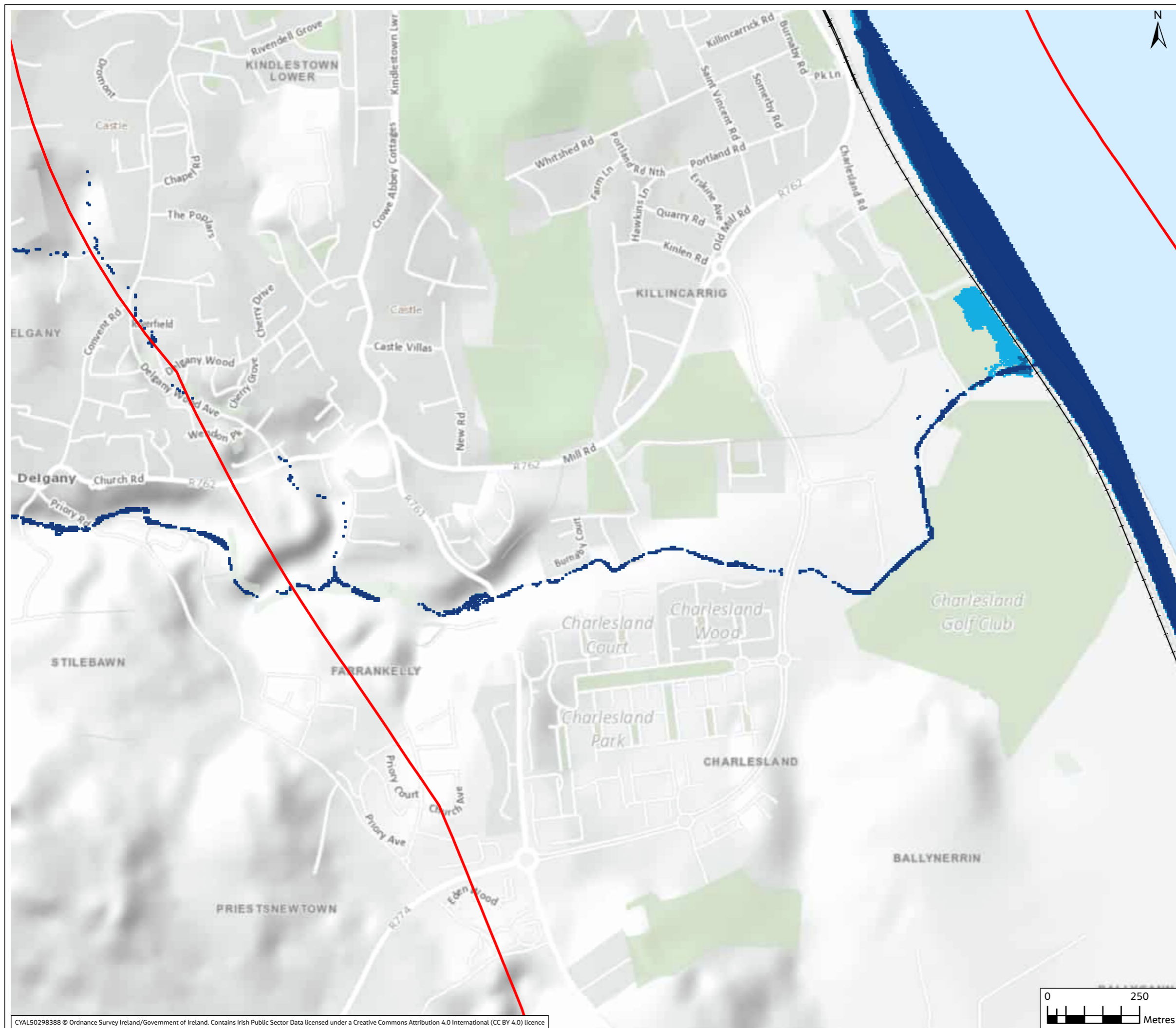
**Figure 4.1  
CCA6.1- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 2 of 6)**

Drawing Status

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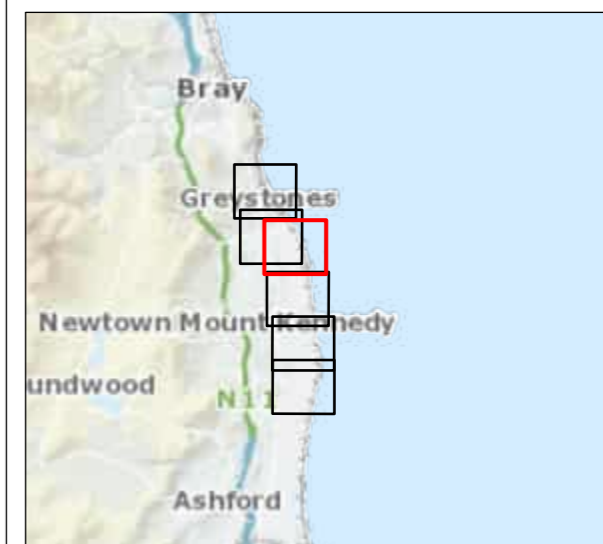
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**FIGURE 4.1**

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Drawing Title

Figure 4.1  
CCA6.1- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 3 of 6)

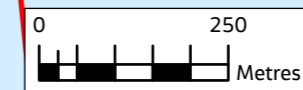
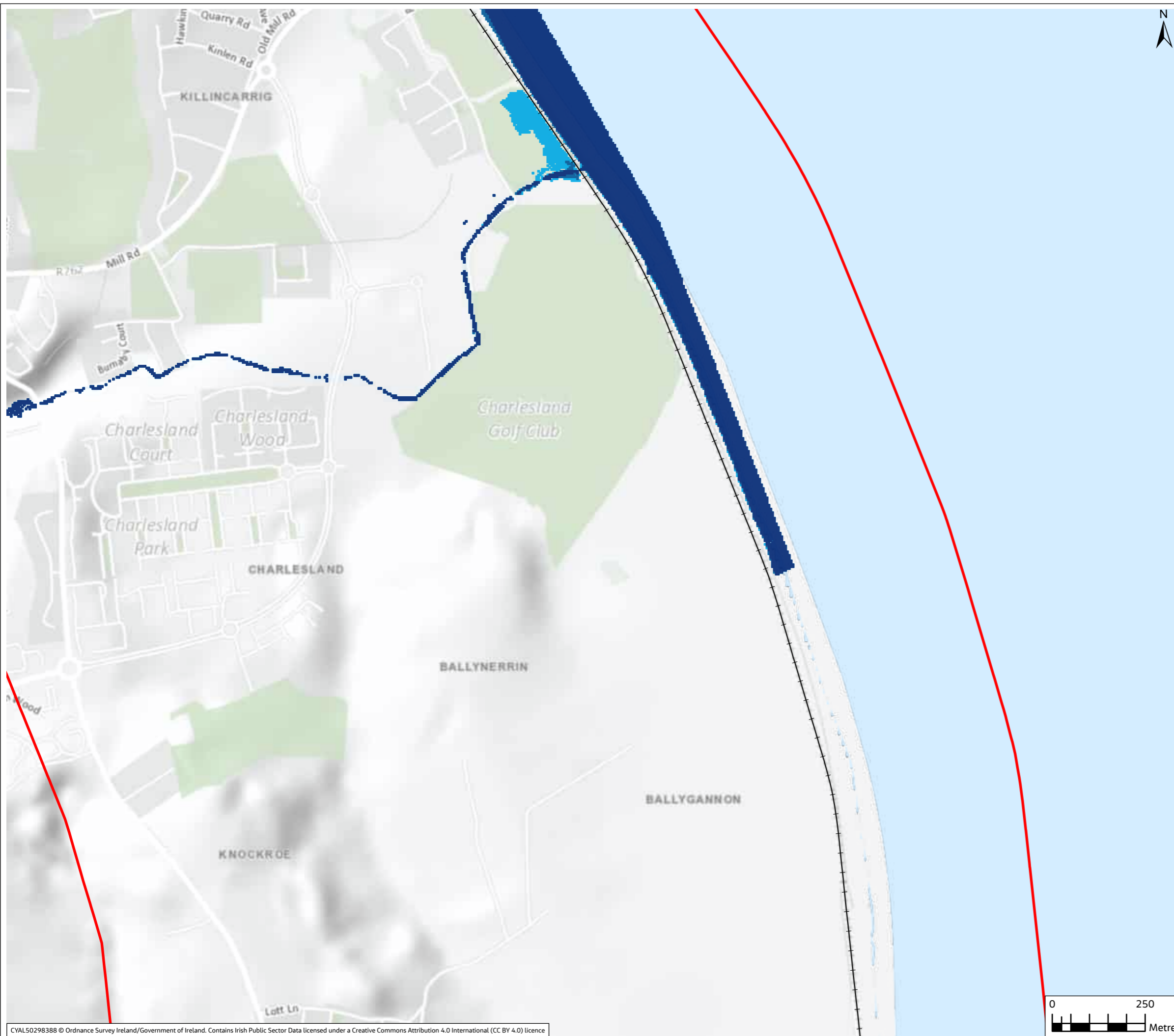
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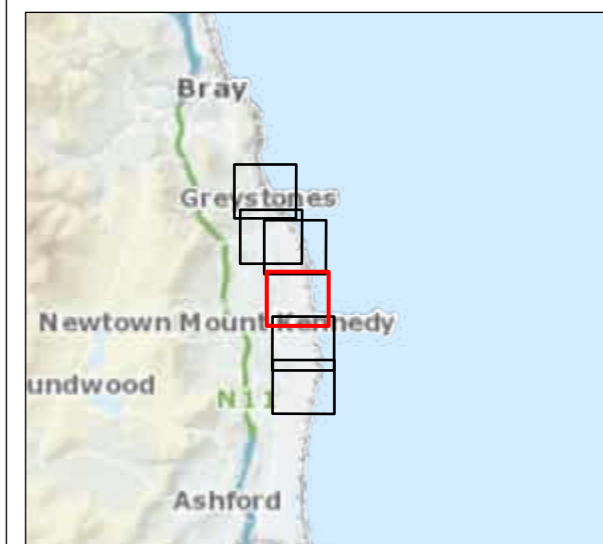
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**FIGURE 4.1**

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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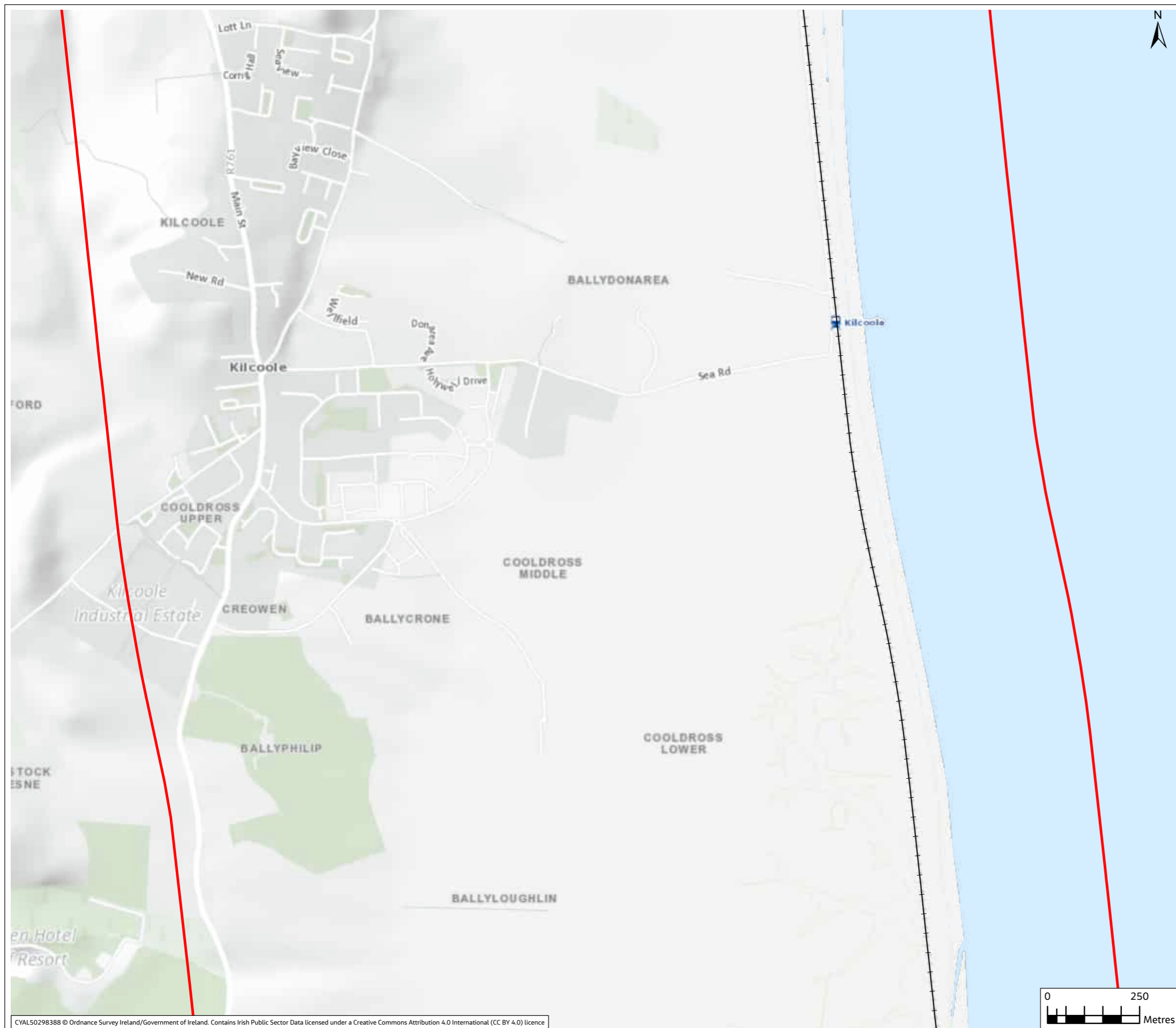
**Figure 4.1  
 CCA6.1- Environmental Constraints  
 Coastal Mid-Range Present Flood Extents  
 (Page 4 of 6)**

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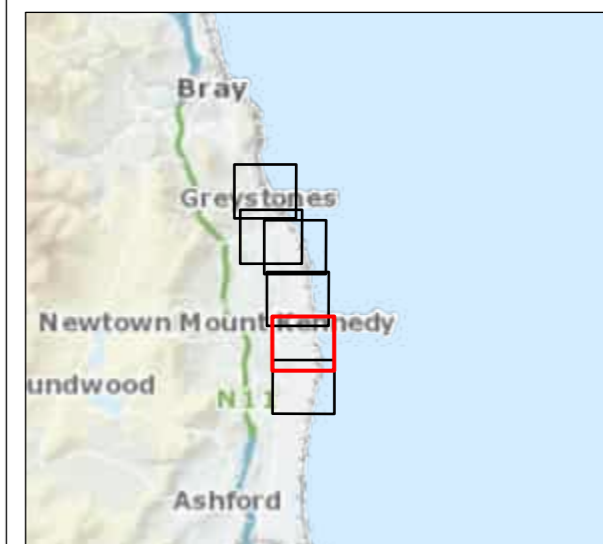
**FIGURE 4.1**

**Legend**

- CCA6.1 Study Area
- Railway Network Centreline

**Coastal Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 4.1  
CCA6.1- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 5 of 6)

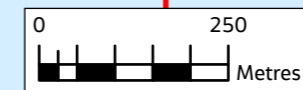
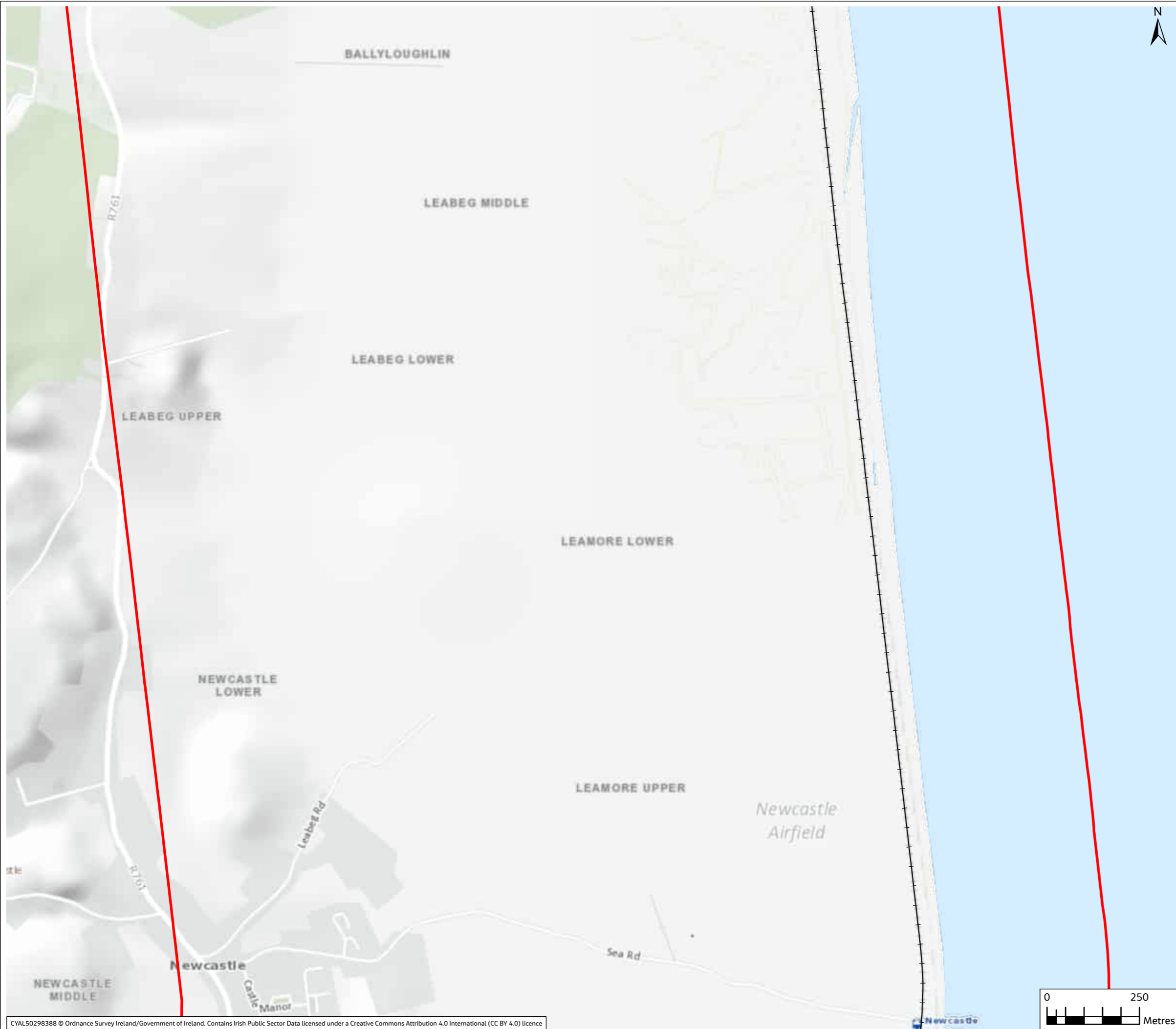
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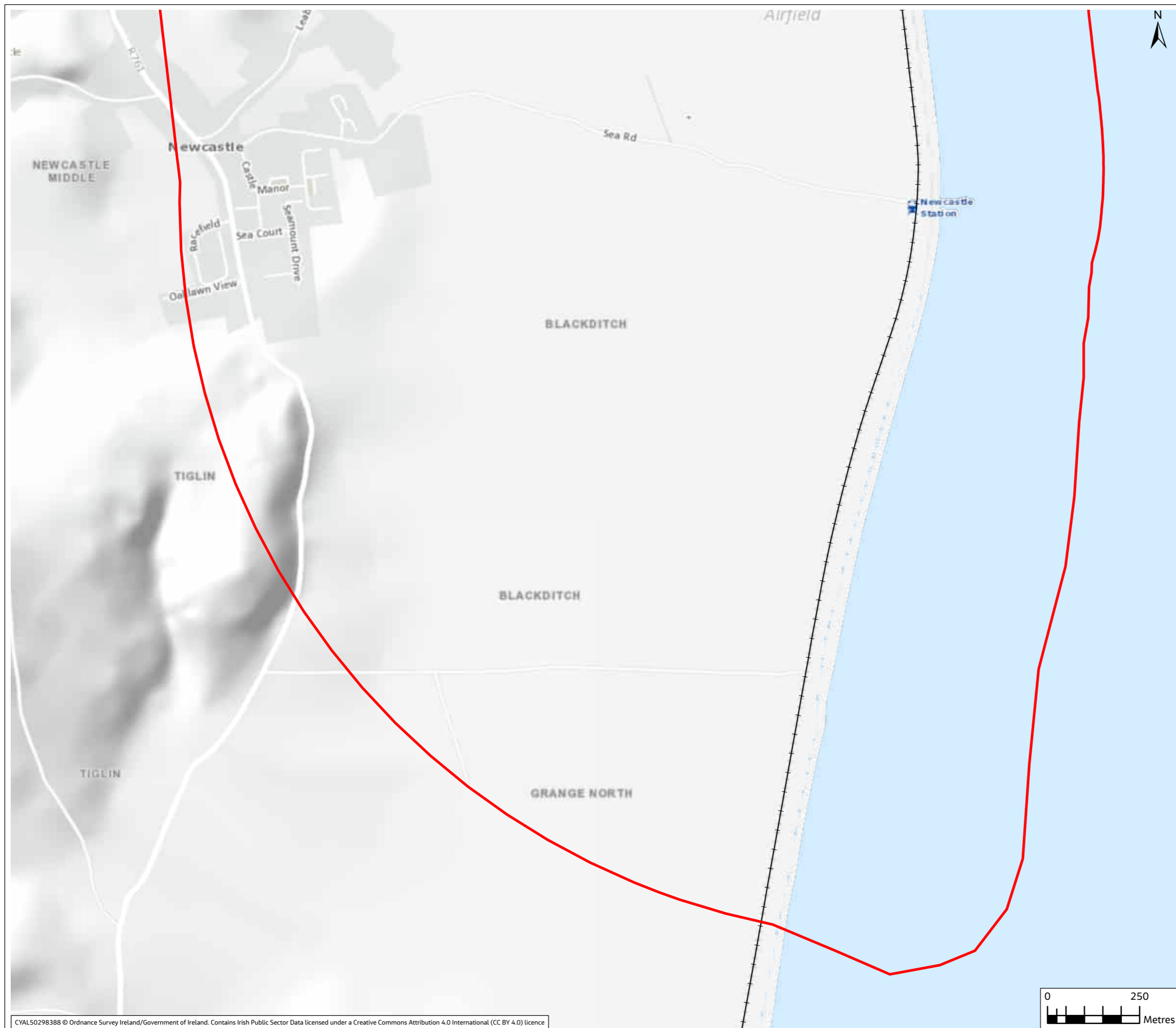
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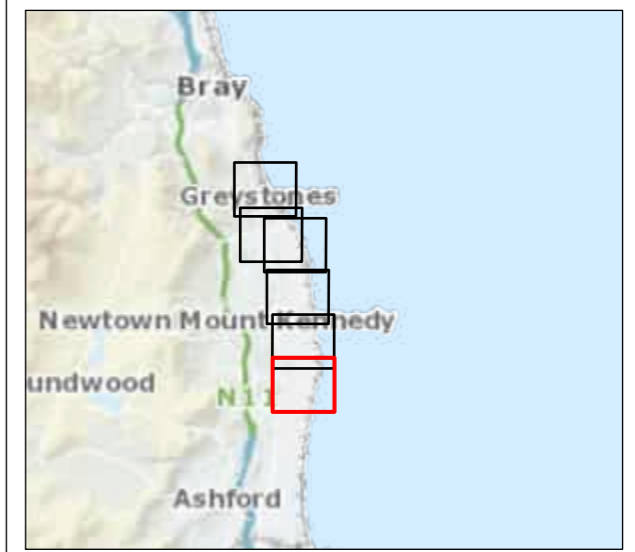
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**FIGURE 4.1**



- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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**7694 EAST COAST RAILWAY  
INFRASTRUCTURE PROTECTION PROJECTS**

Drawing Title

Figure 4.1  
CCA6.1- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 6 of 6)

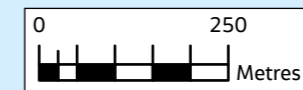
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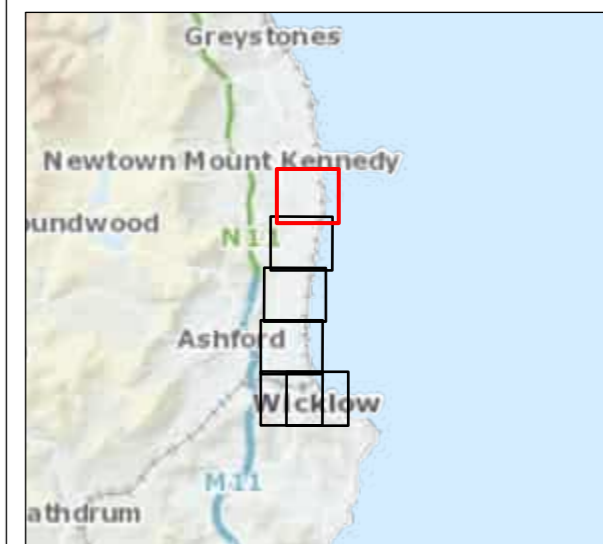
**FIGURE 4.1**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline

**Coastal Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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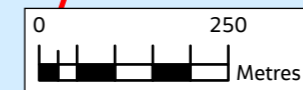
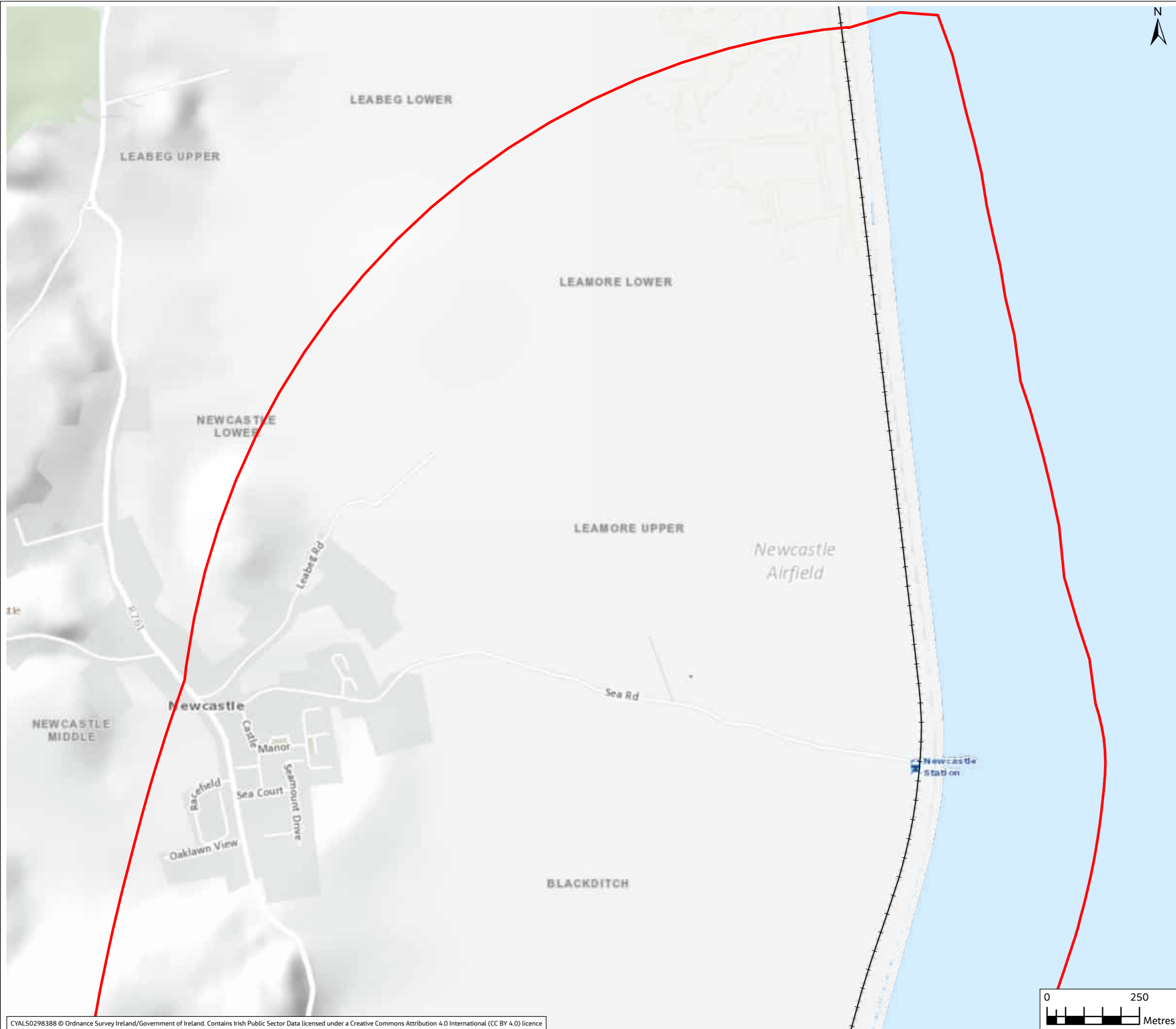
**Figure 4.1  
CCA6.2- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 1 of 6)**

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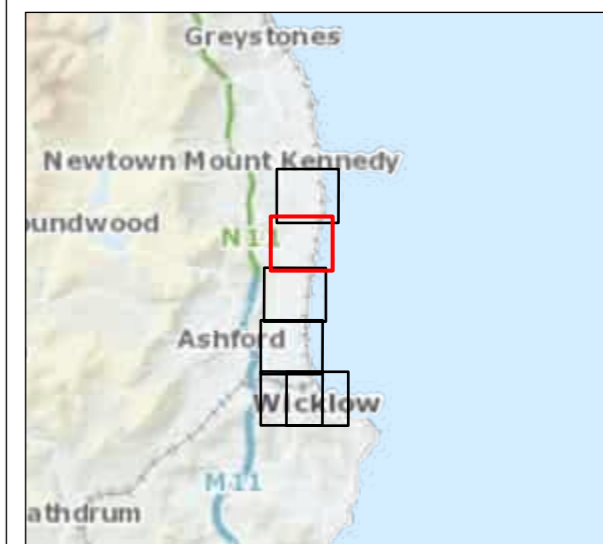
**FIGURE 4.1**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline

**Coastal Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

Figure 4.1  
 CCA6.2- Environmental Constraints  
 Coastal Mid-Range Present Flood Extents  
 (Page 2 of 6)

Drawing Status

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State Code

Phase 2

Scale @ A3

1:10,000

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Jacobs No.

D3658301

Rev  
**V01**

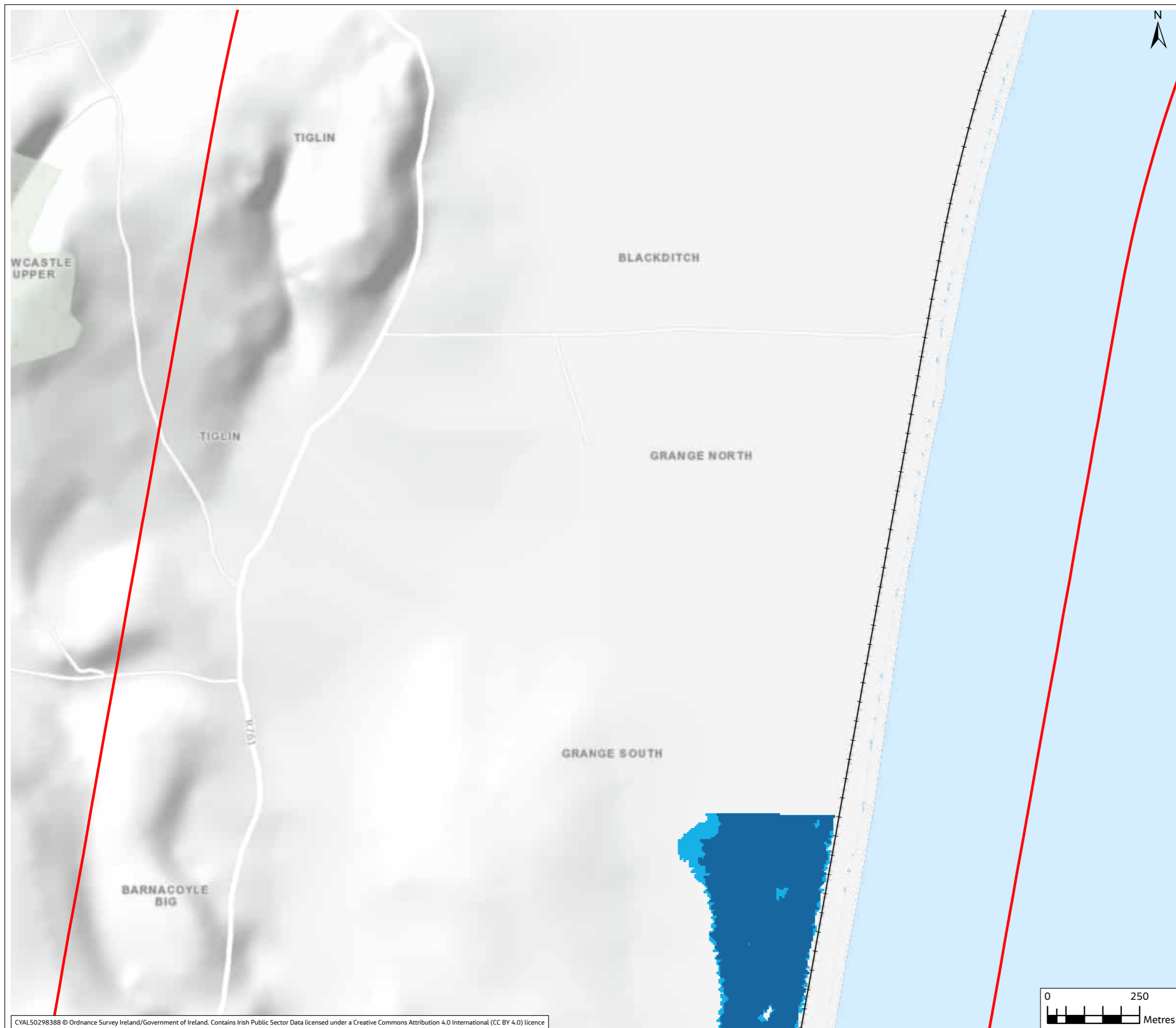
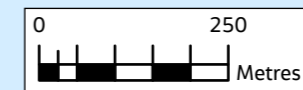
Client No.

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Drawing No.

7964-CCA6\_2-P2-DWG-EV-JAC-4003

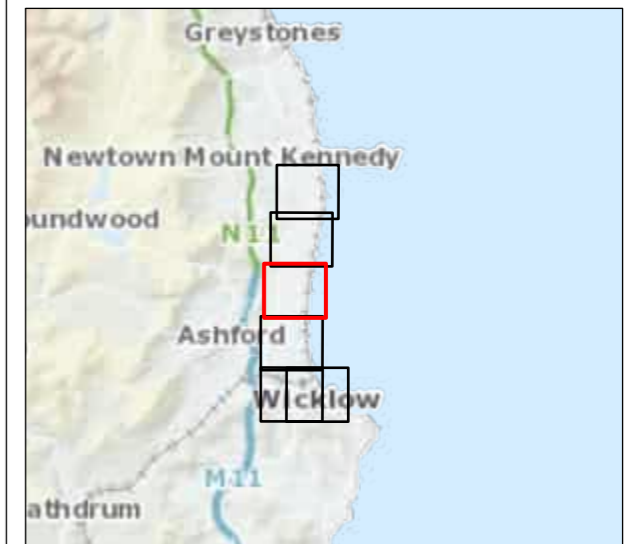
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**FIGURE 4.1**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
- Medium Propability
- High Propability



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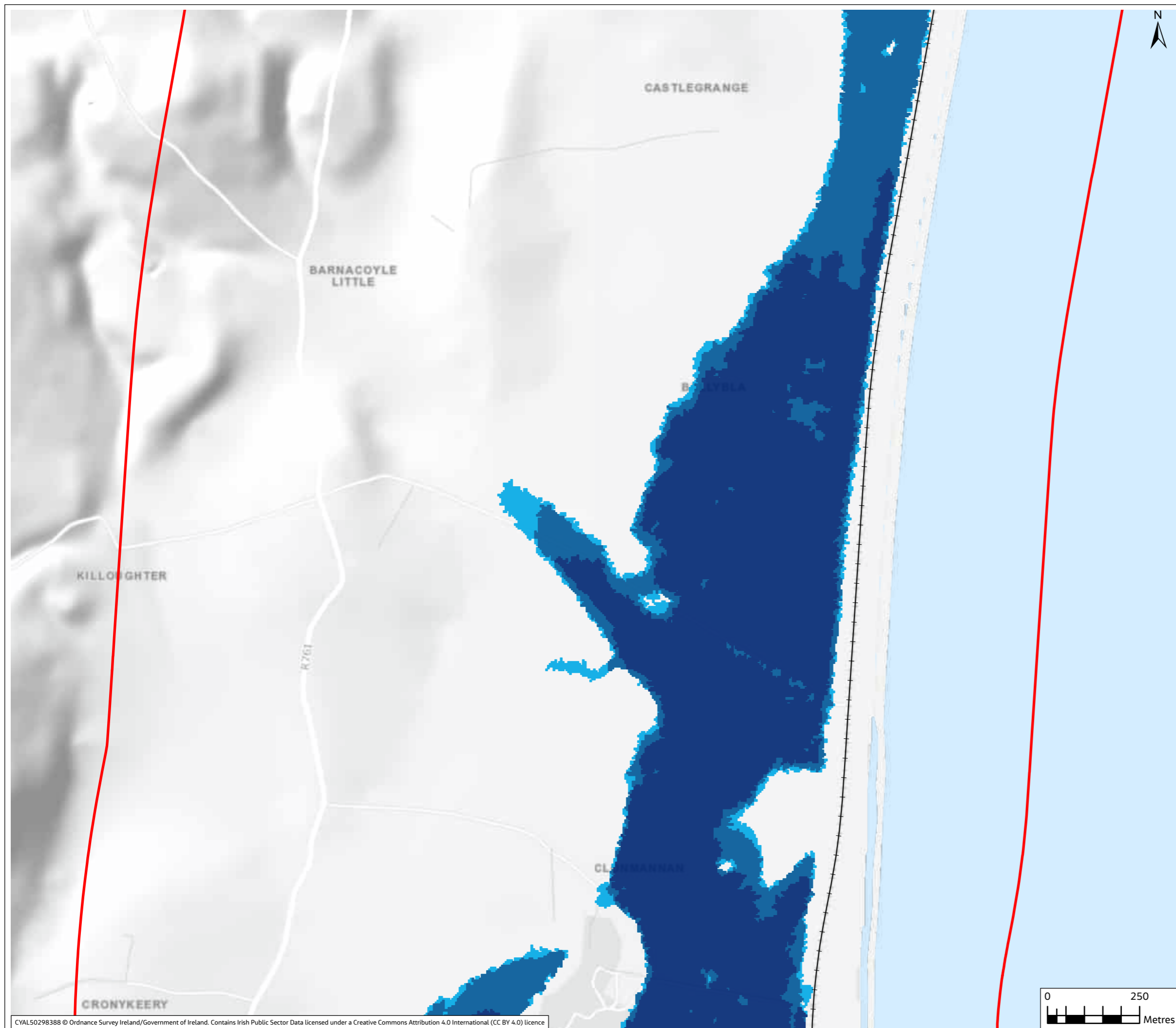
**Figure 4.1  
CCA6.2- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 3 of 6)**

Drawing Status

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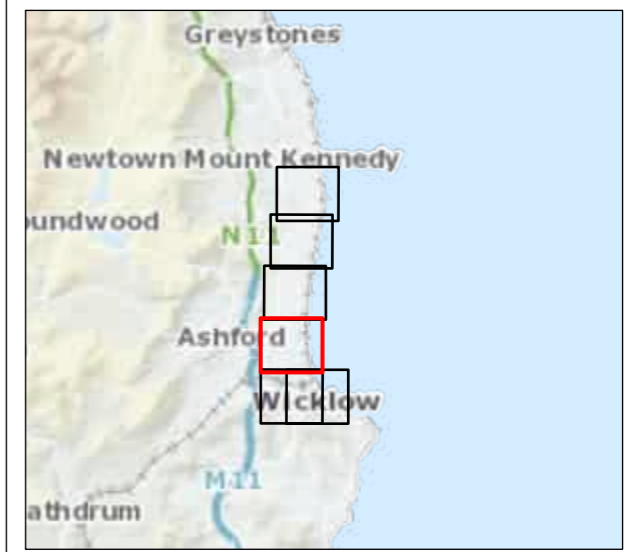


FIGURE 4.1

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability

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TINAKELLY MURRAGH

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Drawing Title

Figure 4.1  
 CCA6.2- Environmental Constraints  
 Coastal Mid-Range Present Flood Extents  
 (Page 4 of 6)

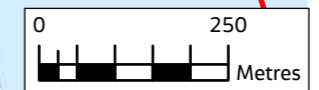
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**FIGURE 4.1**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline

**Coastal Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

Figure 4.1  
CCA6.2- Environmental Constraints  
Coastal Mid-Range Present Flood Extents  
(Page 5 of 6)

Drawing Status

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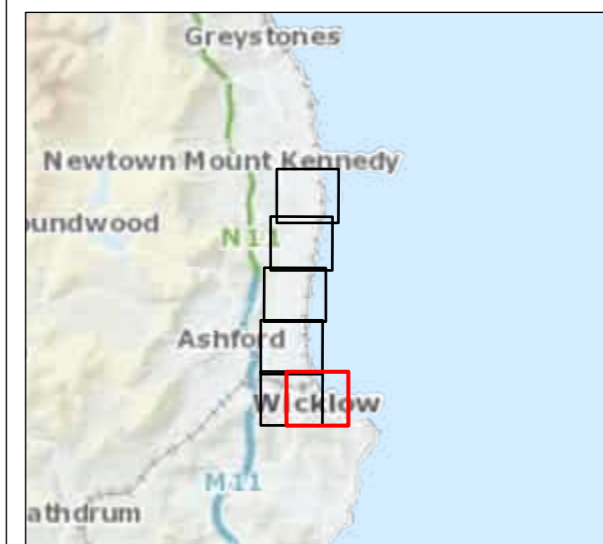
**FIGURE 4.1**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline

**Coastal Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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Drawing Title  
 Figure 4.1  
 CCA6.2- Environmental Constraints  
 Coastal Mid-Range Present Flood Extents  
 (Page 6 of 6)

Drawing Status  
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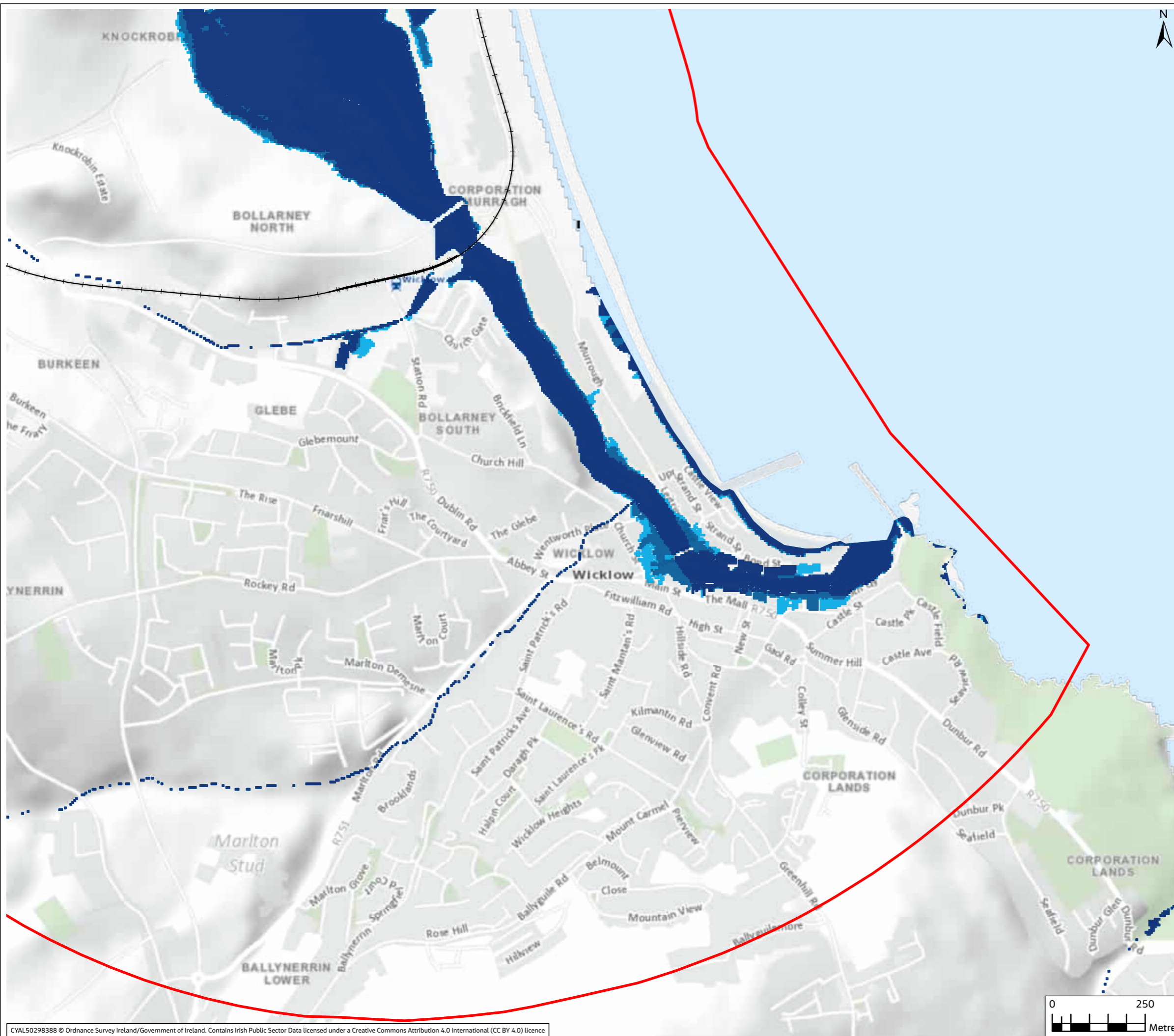
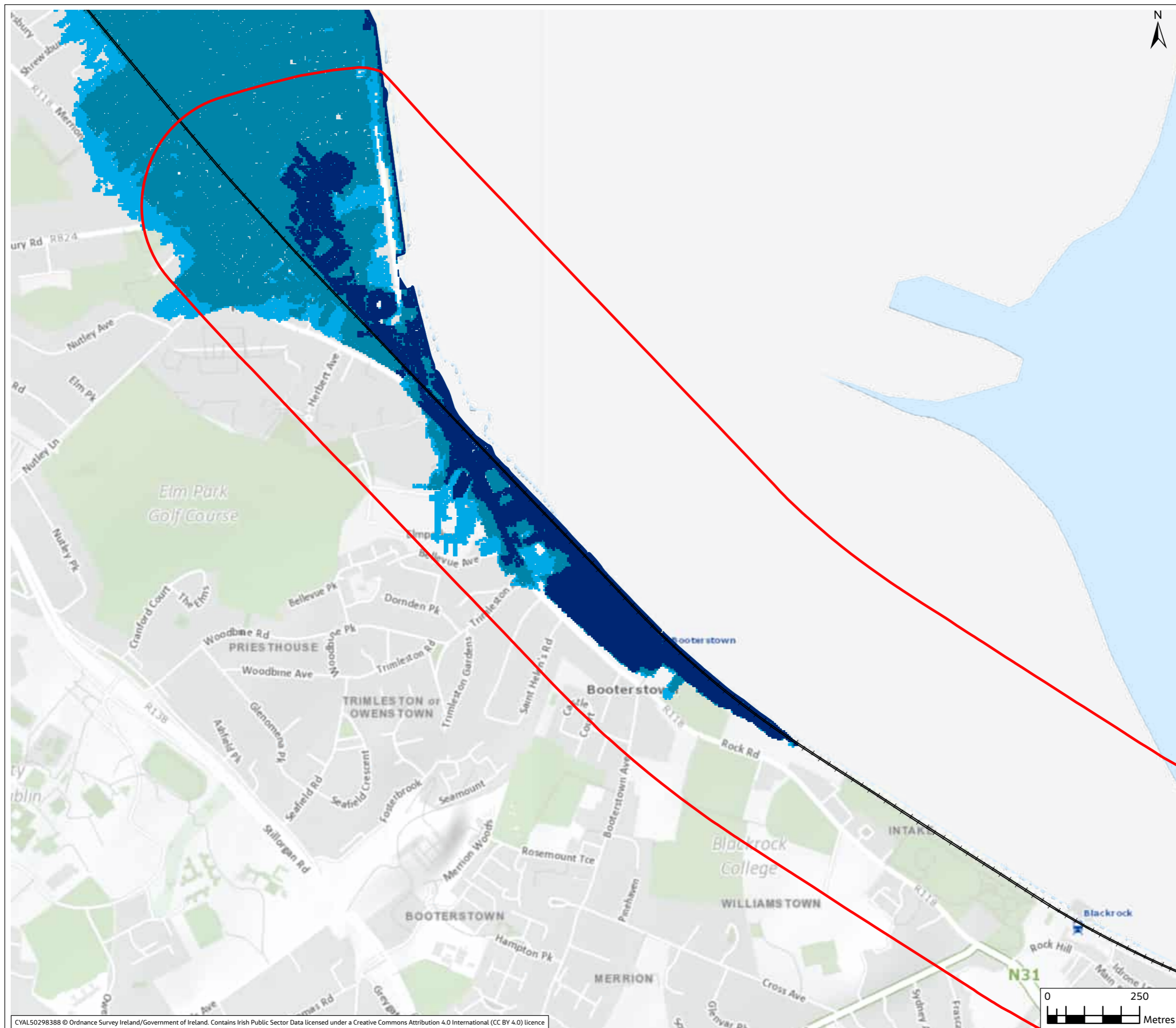
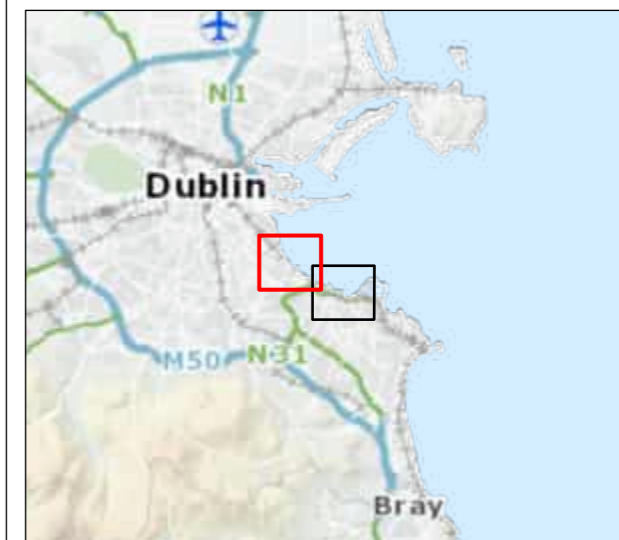




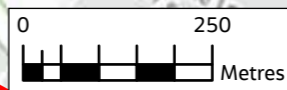
FIGURE 4.2



- Legend**
- CCA1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



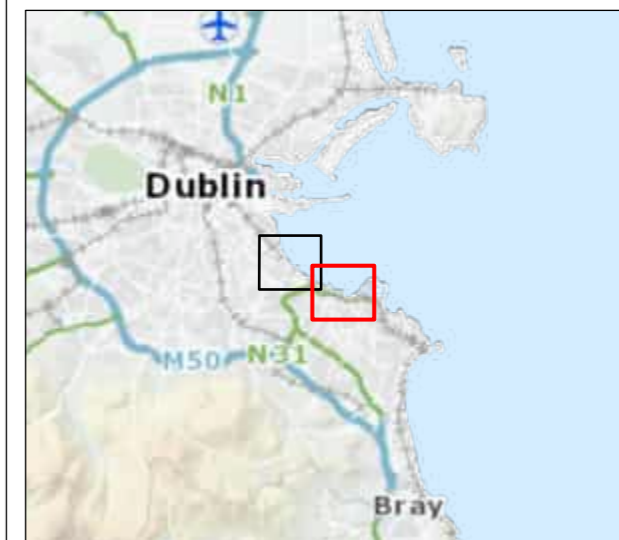
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Drawing Title			Figure 4.2 CCA1- Environmental Constraints Coastal Mid-Range Future Flood Extents (Page 1 of 2)			
Drawing Status			ISSUE FOR ACCEPTANCE			
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Scale @ A3	1:10,000		DO NOT SCALE			
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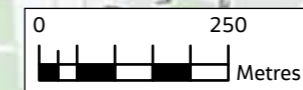
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FIGURE 4.2

- Legend**
- CCA1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



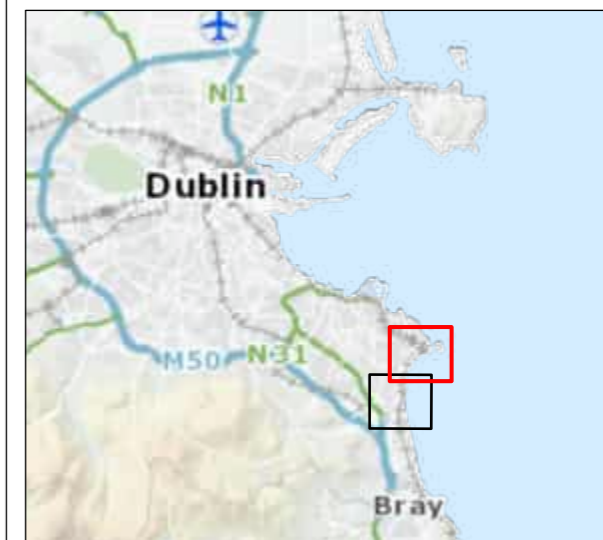
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Drawing Title						
Figure 4.2 CCA1- Environmental Constraints Coastal Mid-Range Future Flood Extents (Page 2 of 2)						
Drawing Status						
ISSUE FOR ACCEPTANCE						
State Code	Phase 2					
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**FIGURE 4.2**

- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.2  
 CCA2-3- Environmental Constraints  
 Coastal Mid-Range Future Flood Extents  
 (Page 1 of 2)

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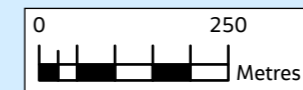
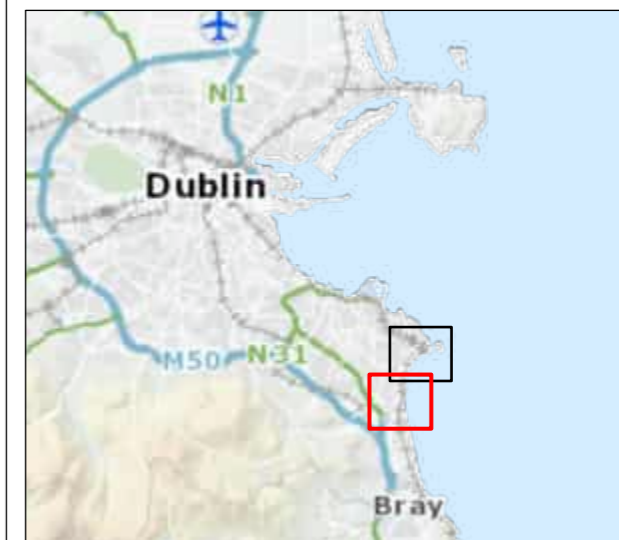


FIGURE 4.2

- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.2  
 CCA2-3- Environmental Constraints  
 Coastal Mid-Range Future Flood Extents  
 (Page 2 of 2)

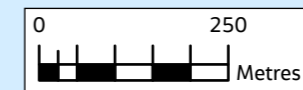
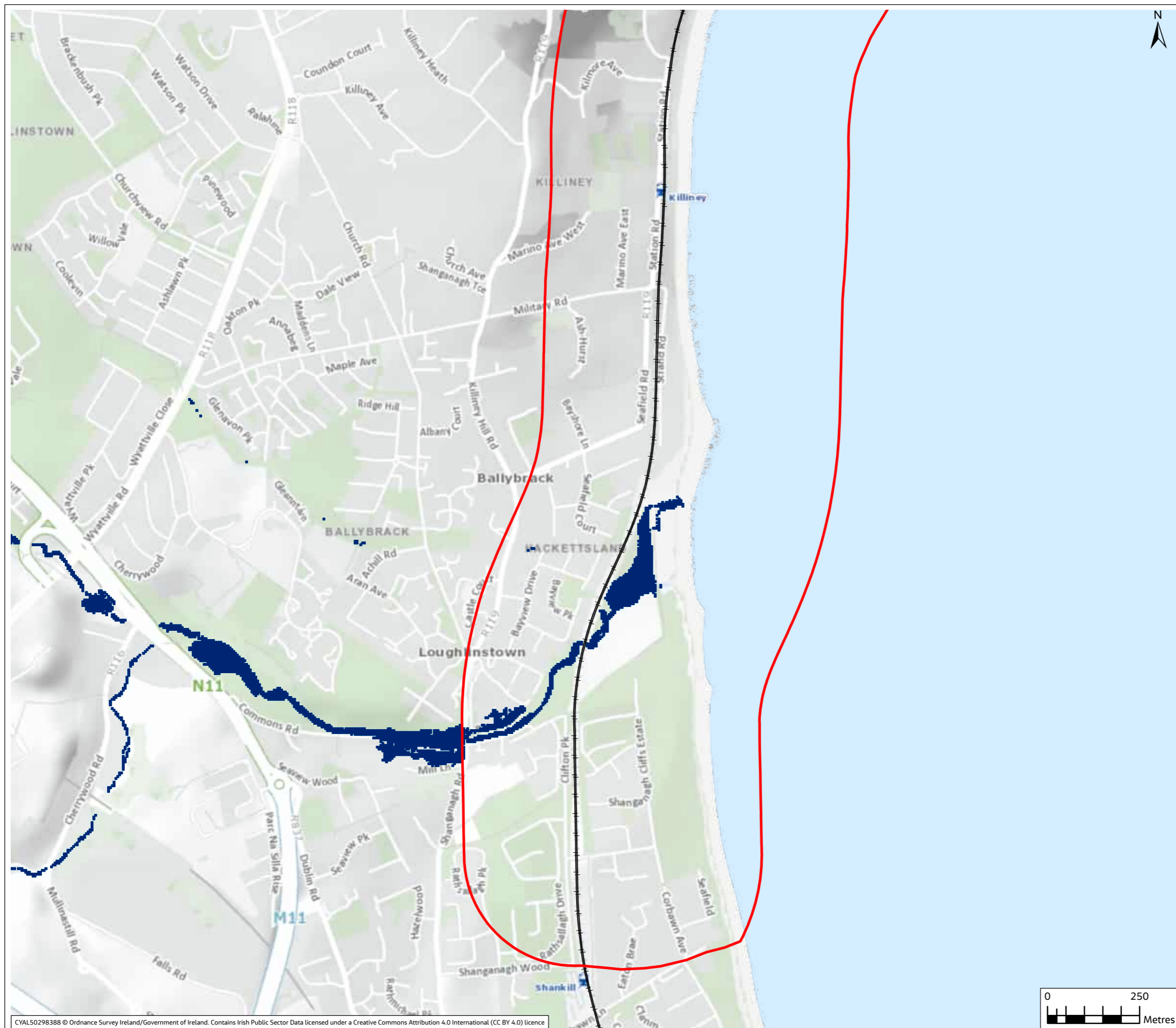
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**FIGURE 4.2**

**Legend**

- CCA5 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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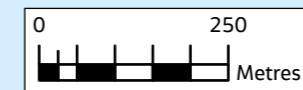
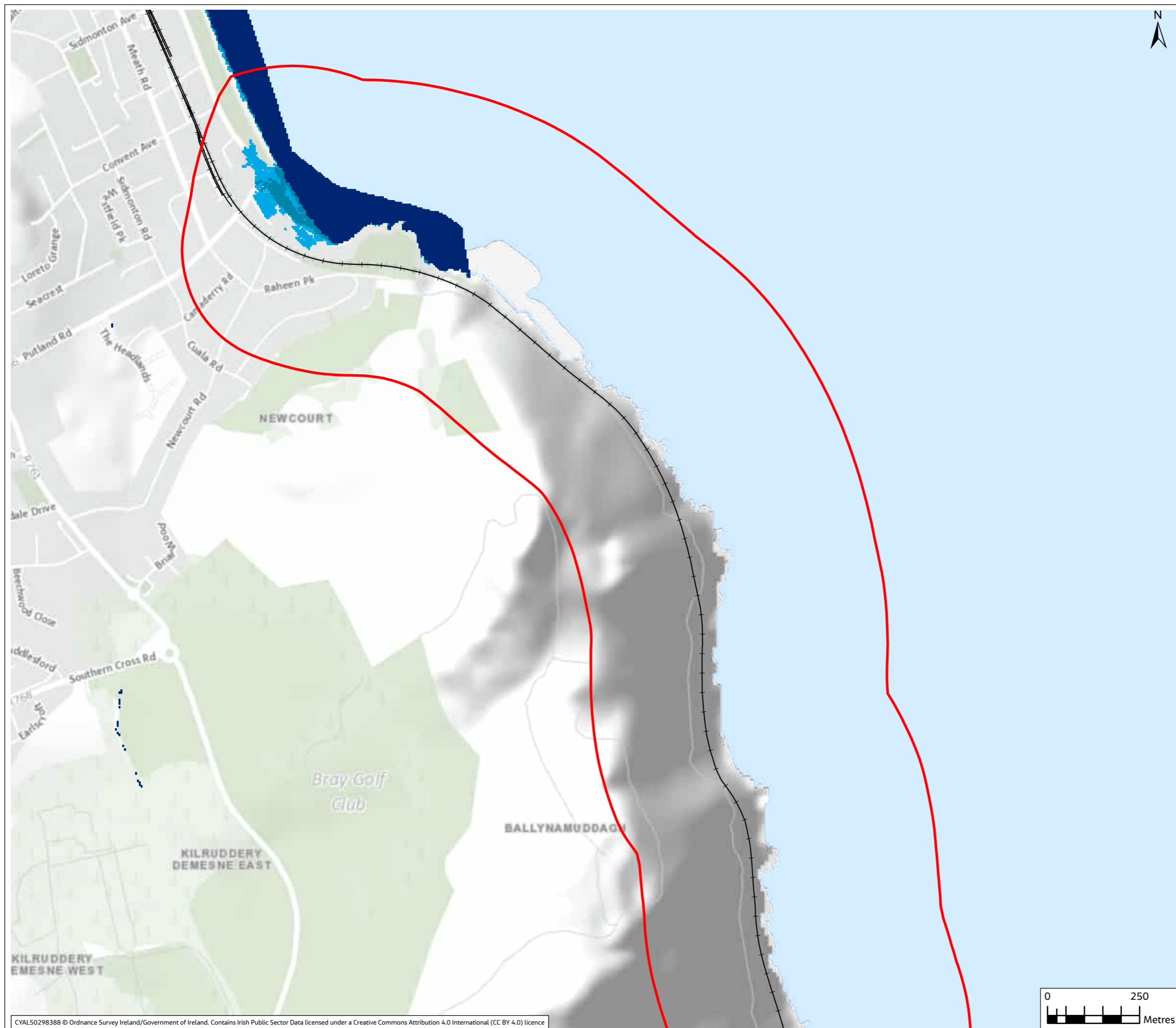
Figure 4.2  
CCA5- Environmental Constraints  
Coastal Mid-Range Future Flood Extents  
(Page 1 of 2)

Drawing Status

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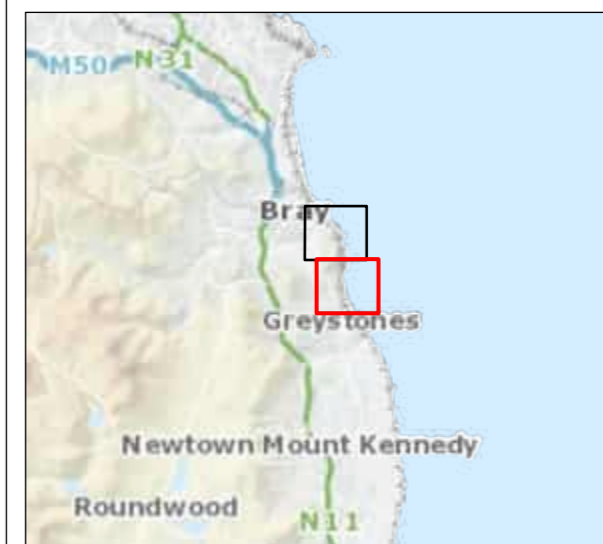
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**FIGURE 4.2**

**Legend**

- CCA5 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Drawing Title

**Figure 4.2  
CCA5- Environmental Constraints  
Coastal Mid-Range Future Flood Extents  
(Page 2 of 2)**

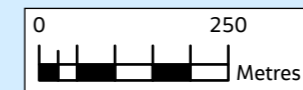
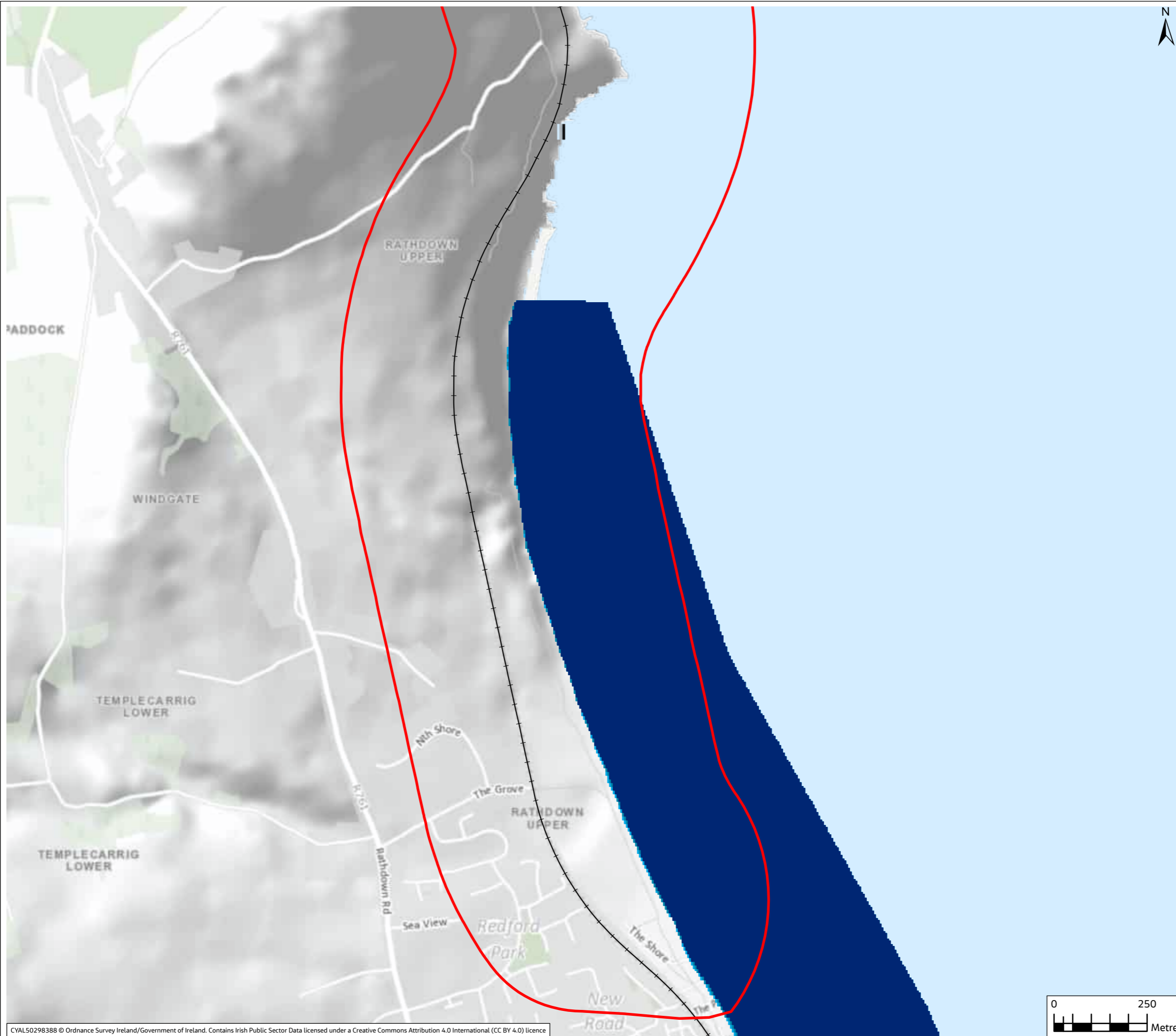
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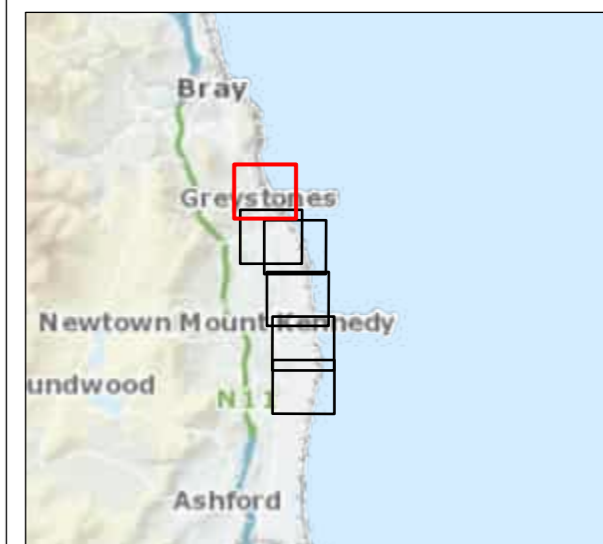
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**FIGURE 4.2**

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.2  
CCA6.1- Environmental Constraints  
Coastal Mid-Range Future Flood Extents  
(Page 1 of 6)

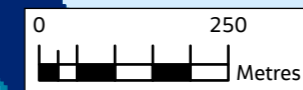
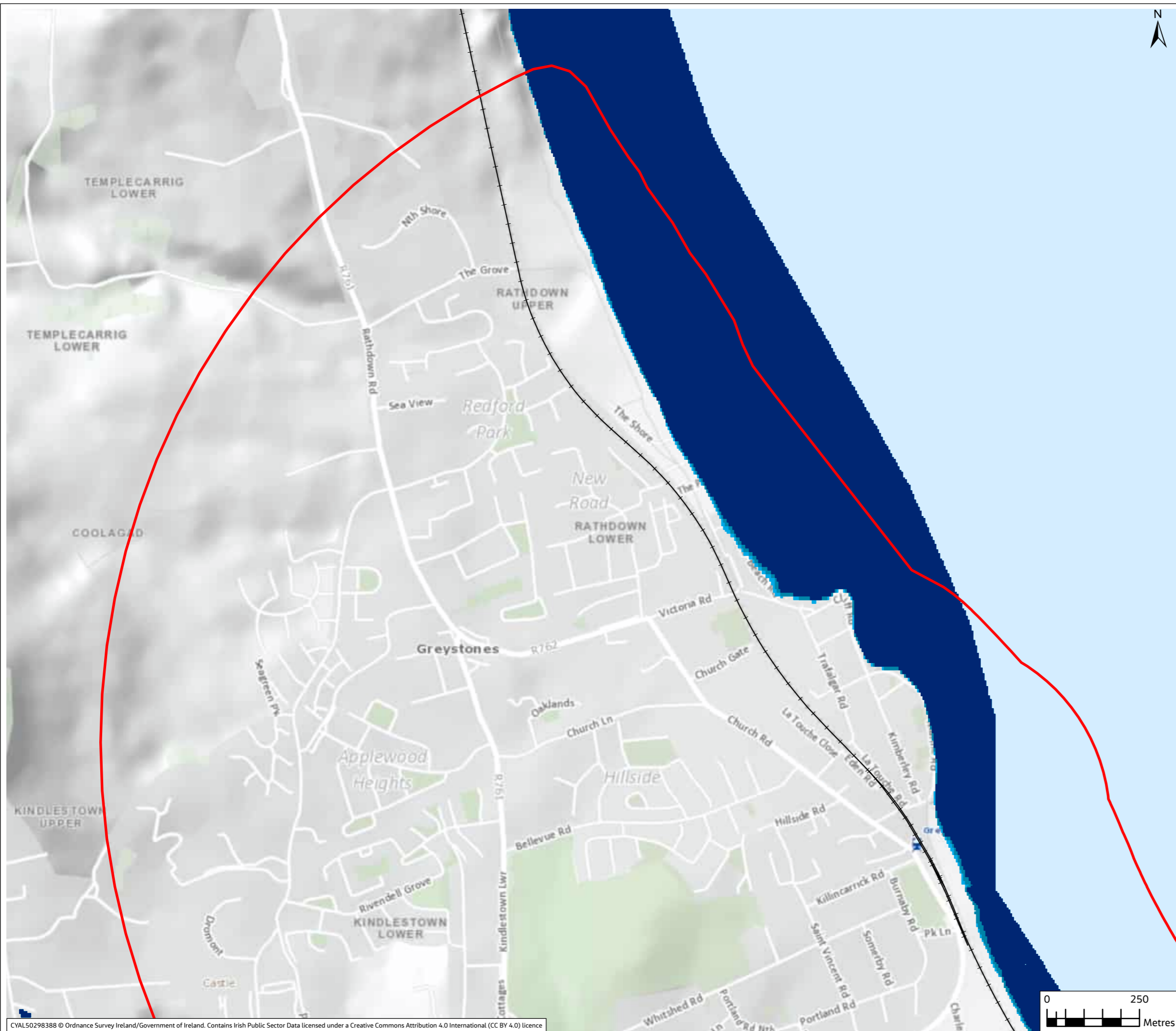
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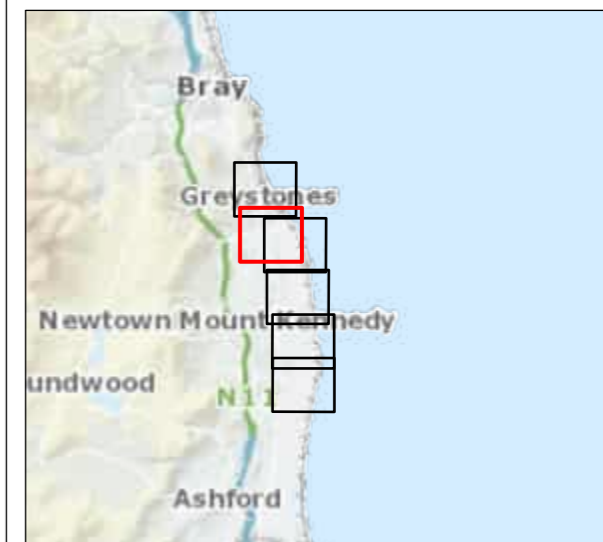
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**FIGURE 4.2**

**Legend**

- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.2  
 CCA6.1- Environmental Constraints  
 Coastal Mid-Range Future Flood Extents  
 (Page 2 of 6)

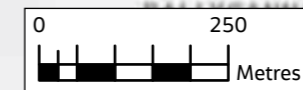
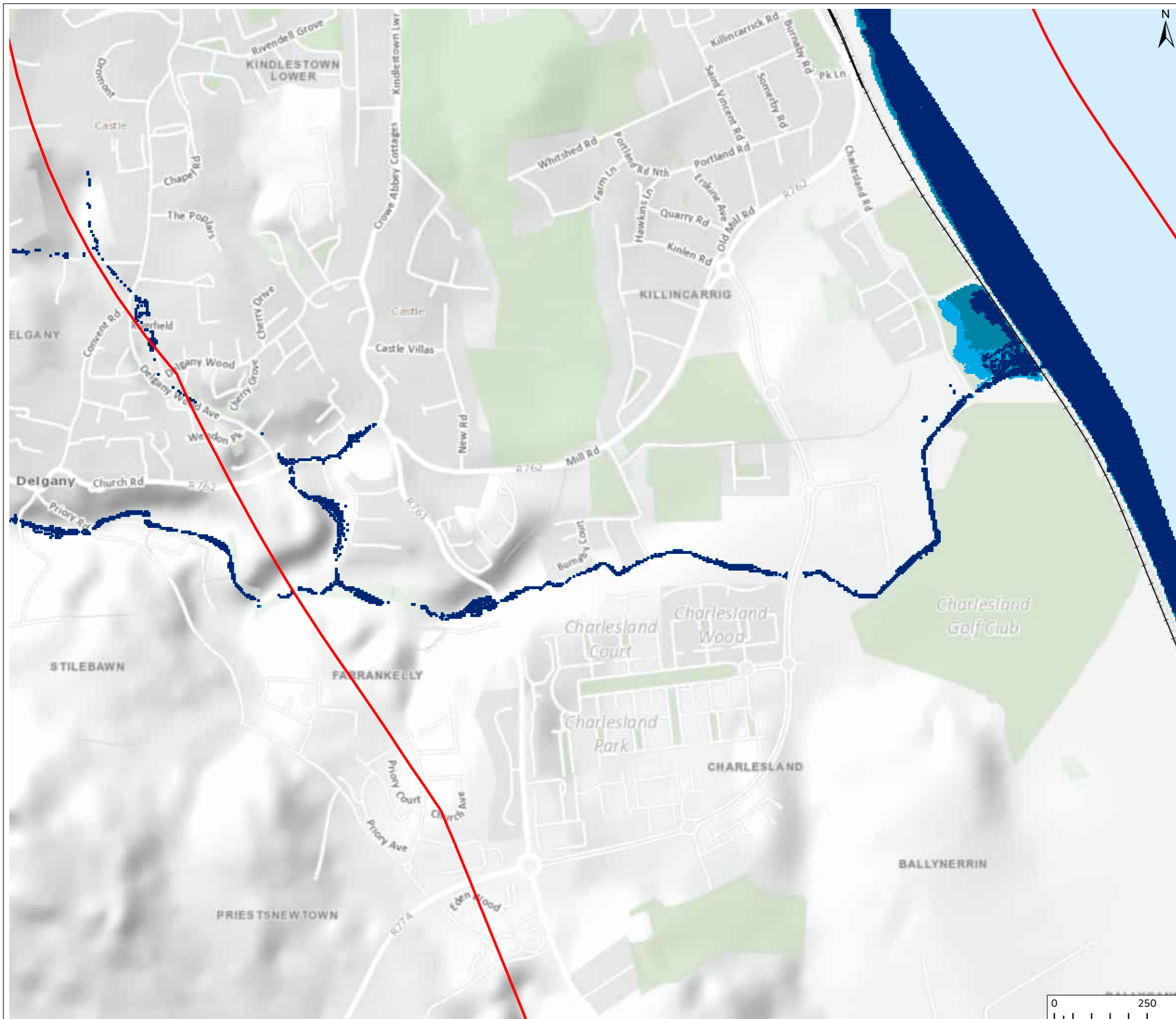
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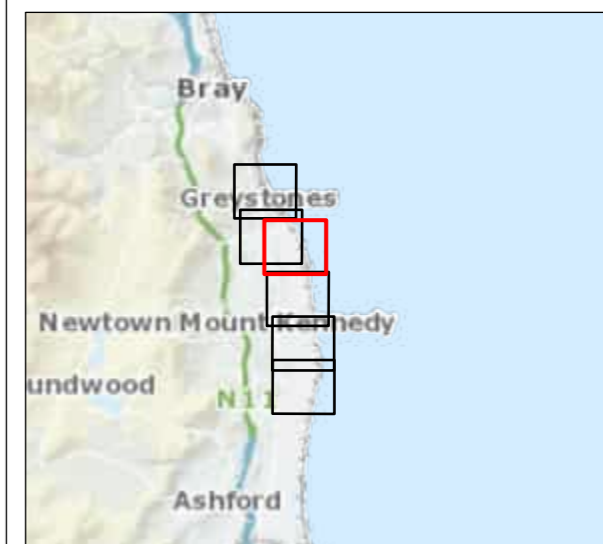
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**FIGURE 4.2**

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.2  
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Coastal Mid-Range Future Flood Extents  
(Page 3 of 6)

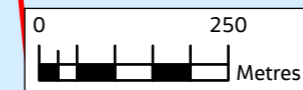
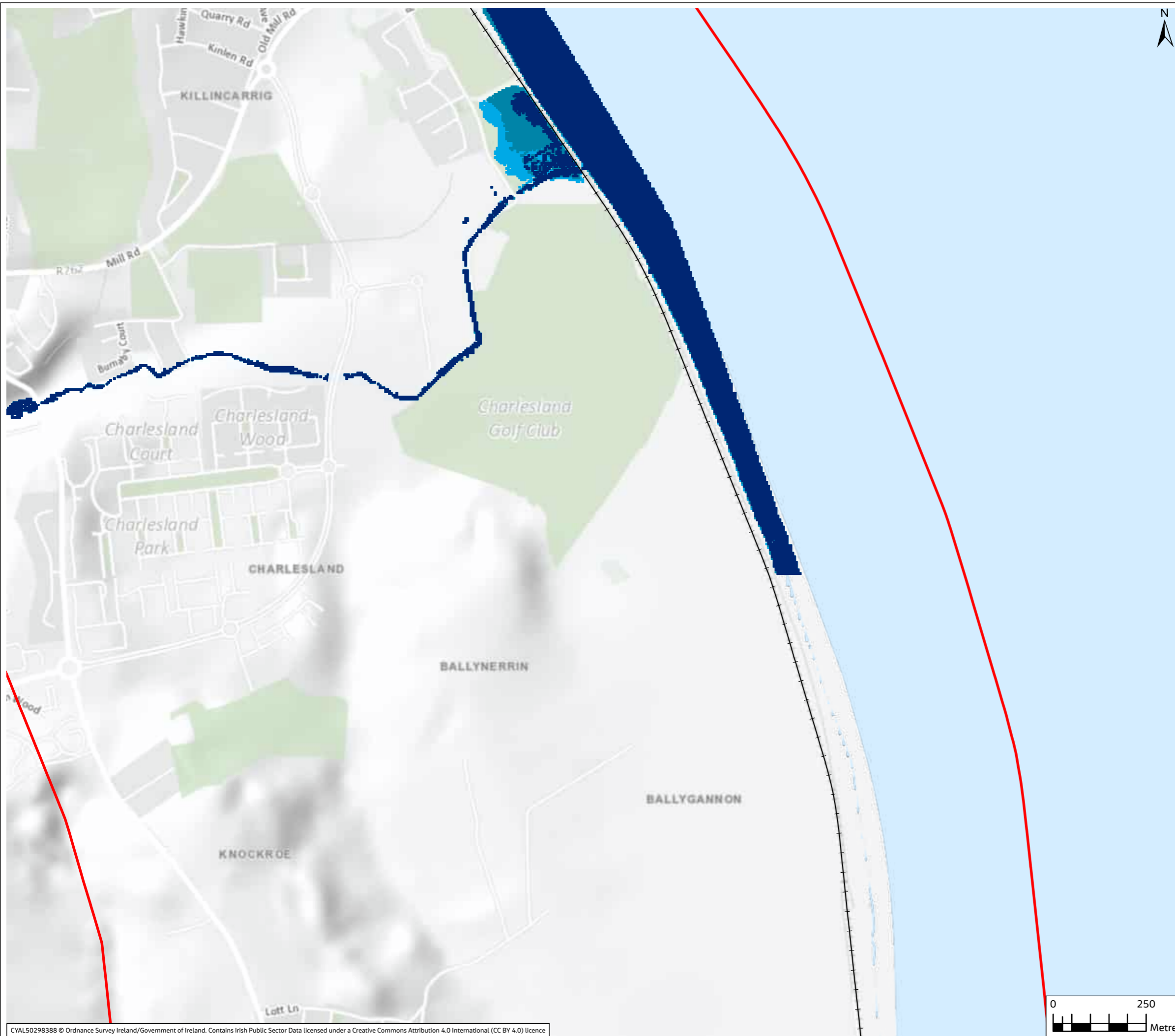
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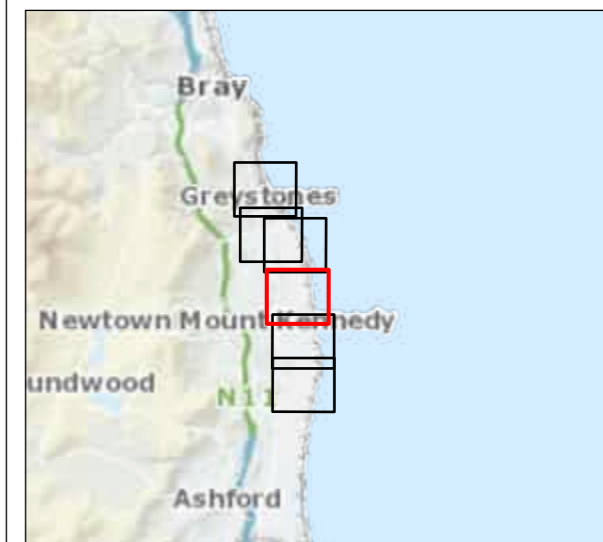
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**FIGURE 4.2**

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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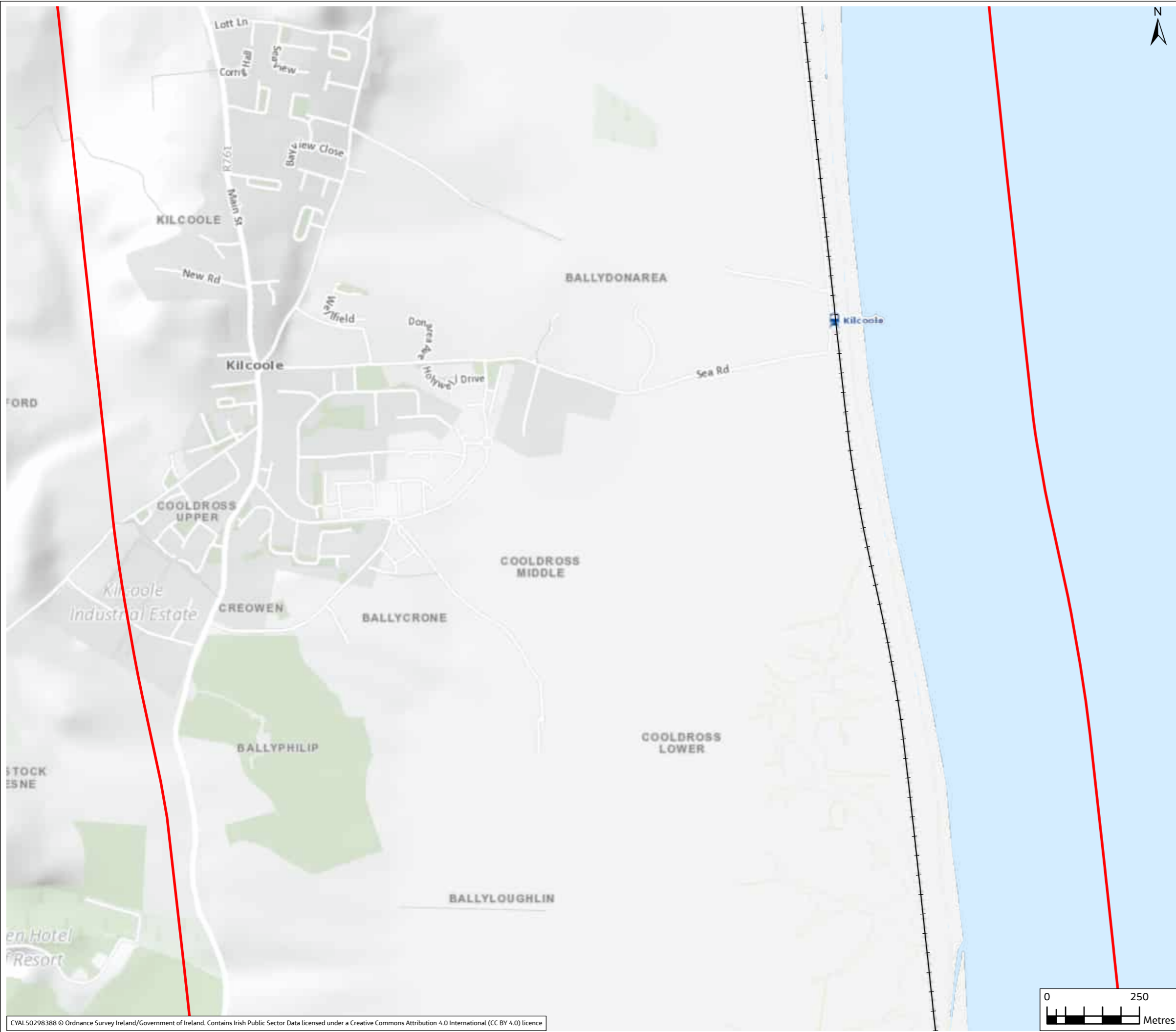
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 Coastal Mid-Range Future Flood Extents  
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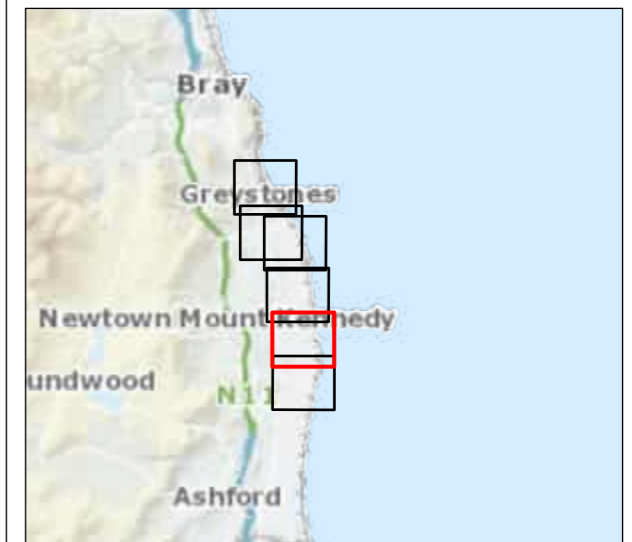
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**FIGURE 4.2**

**Legend**

- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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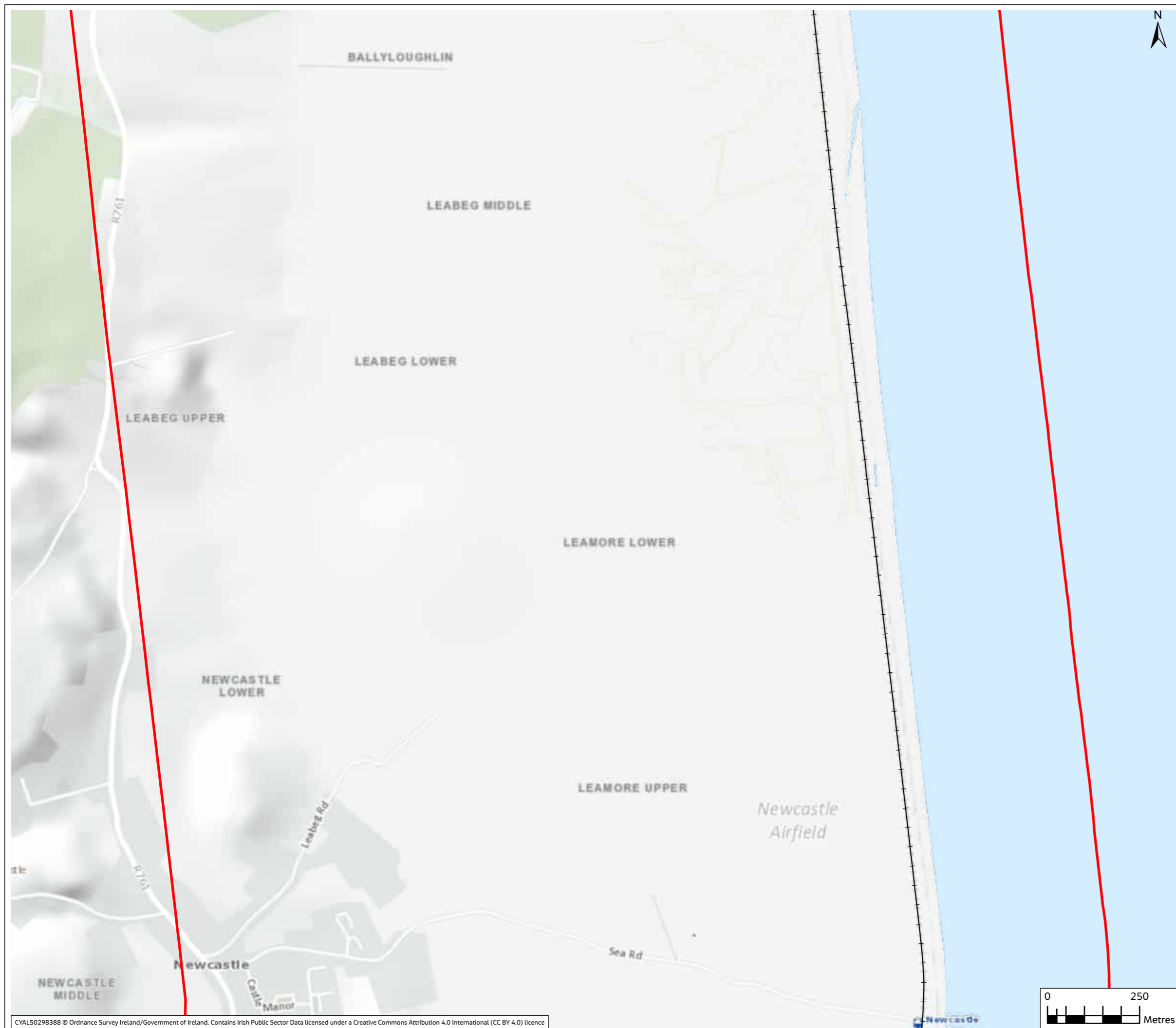
Figure 4.2  
 CCA6.1- Environmental Constraints  
 Coastal Mid-Range Future Flood Extents  
 (Page 5 of 6)

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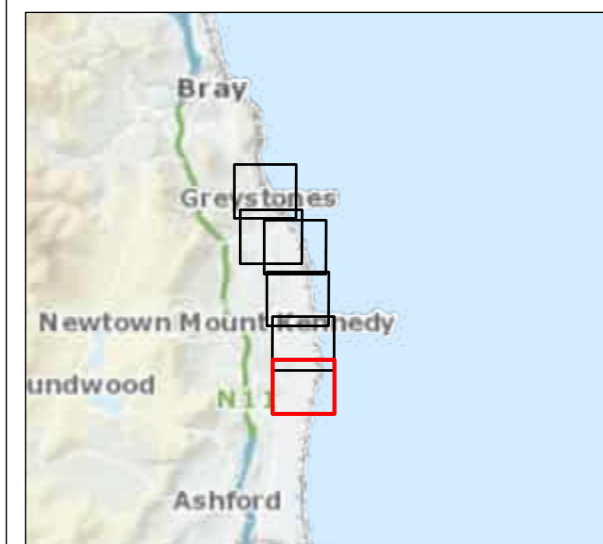
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**FIGURE 4.2**

**Legend**

- CCA6.1 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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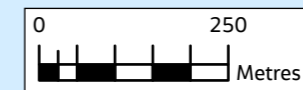
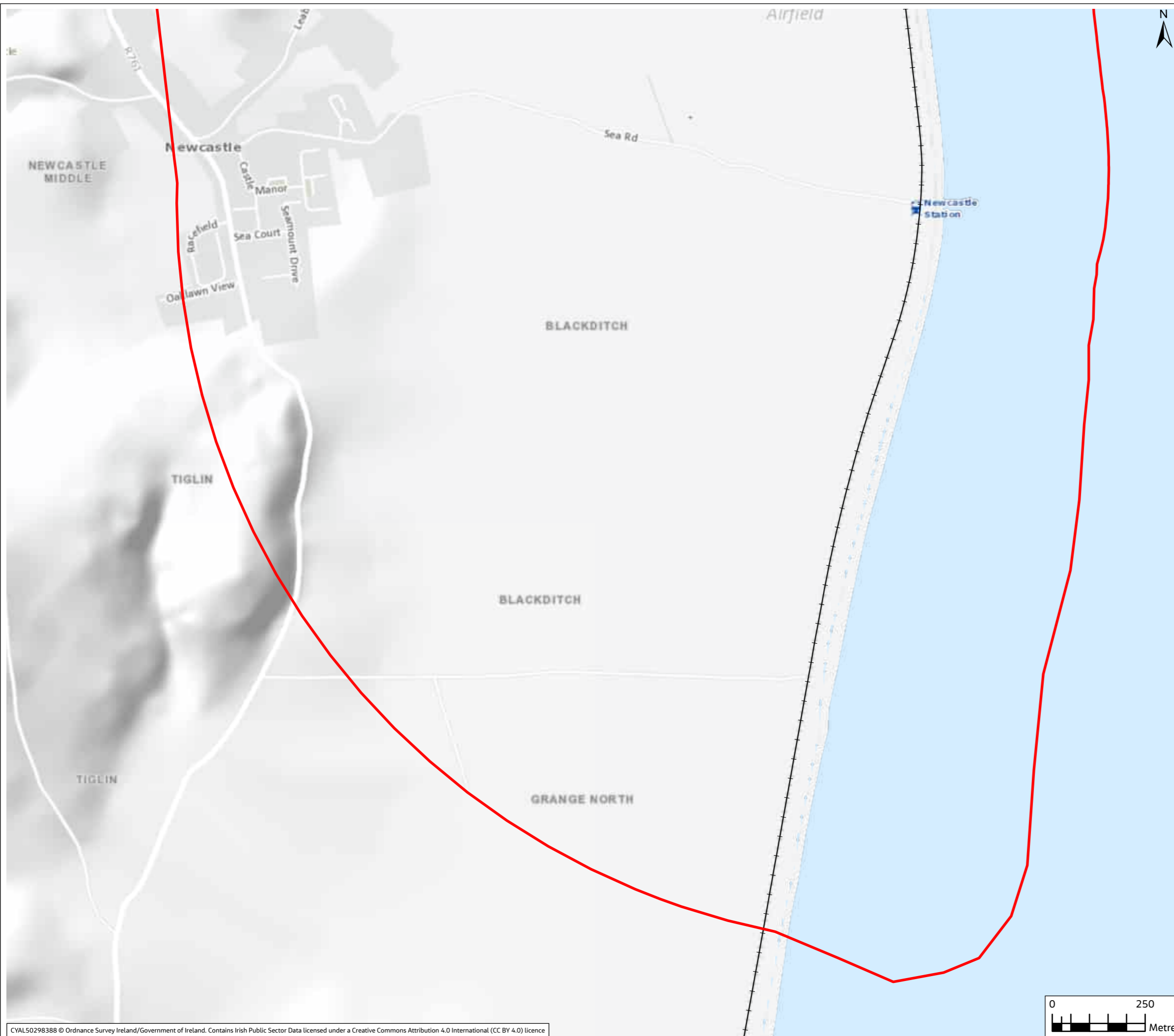
**Figure 4.2  
CCA6.1- Environmental Constraints  
Coastal Mid-Range Future Flood Extents  
(Page 6 of 6)**

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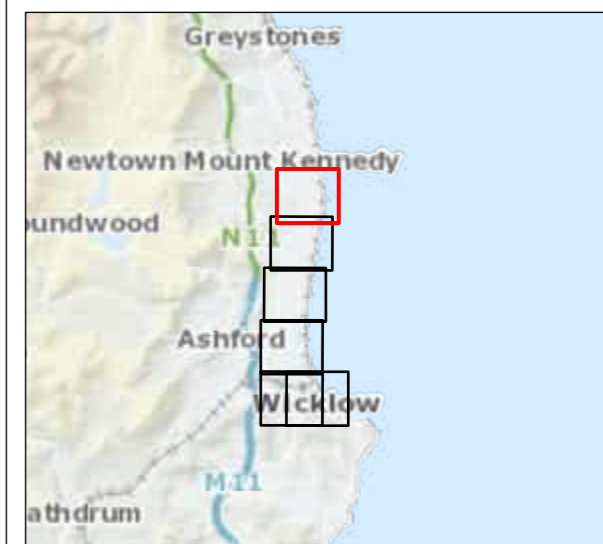
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**FIGURE 4.2**

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline



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**Figure 4.2  
CCA6.2- Environmental Constraints  
Coastal Mid-Range Future Flood Extents  
(Page 1 of 6)**

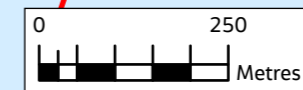
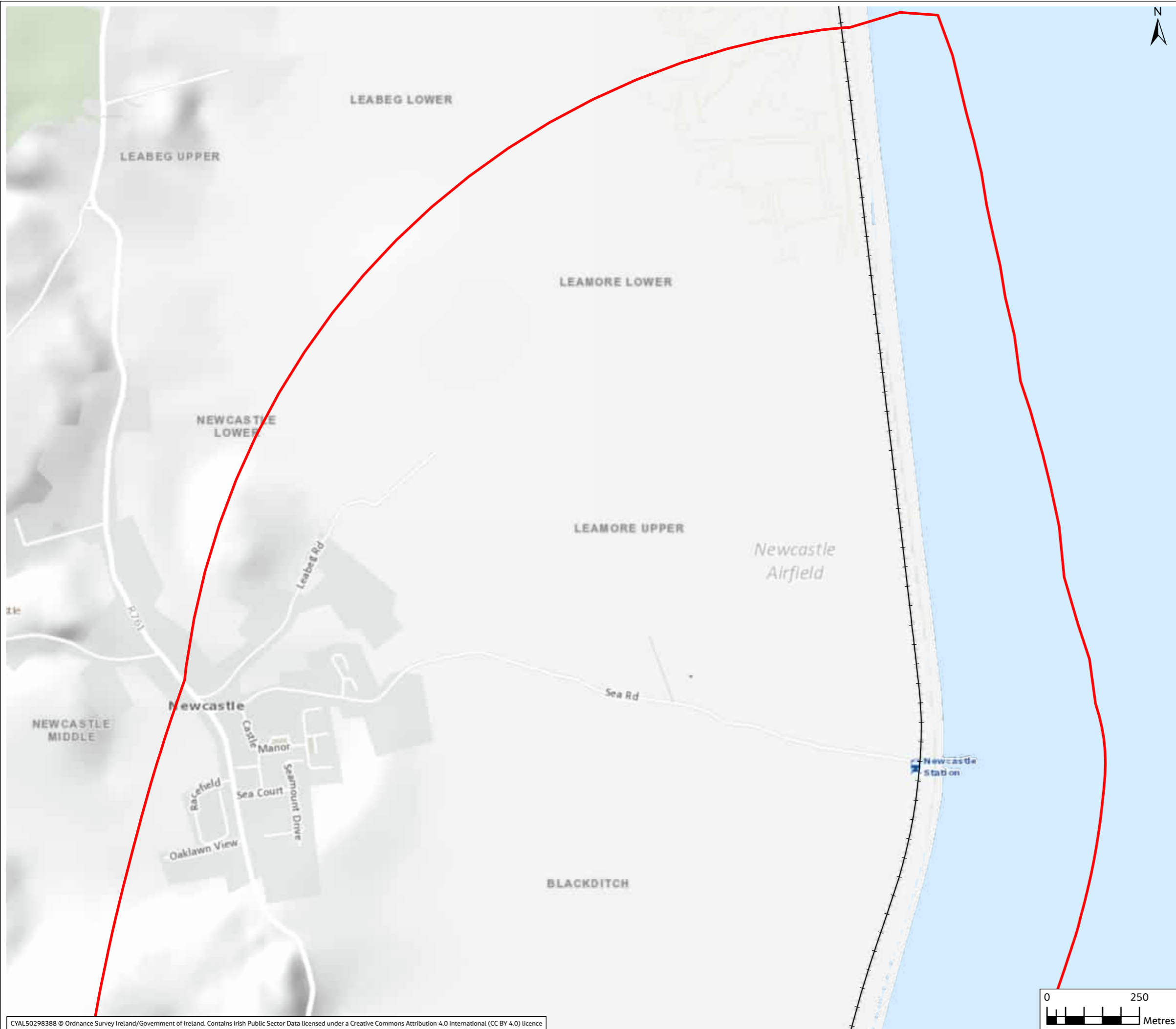
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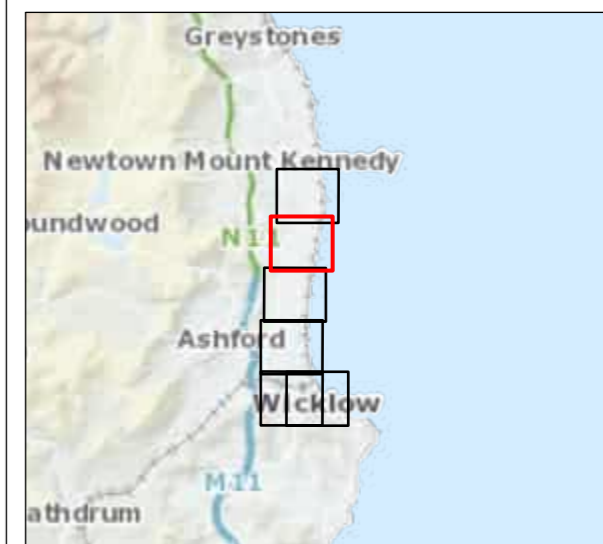
**FIGURE 4.2**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline

**Coastal Mid-Range Future Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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**Figure 4.2  
CCA6.2- Environmental Constraints  
Coastal Mid-Range Future Flood Extents  
(Page 2 of 6)**

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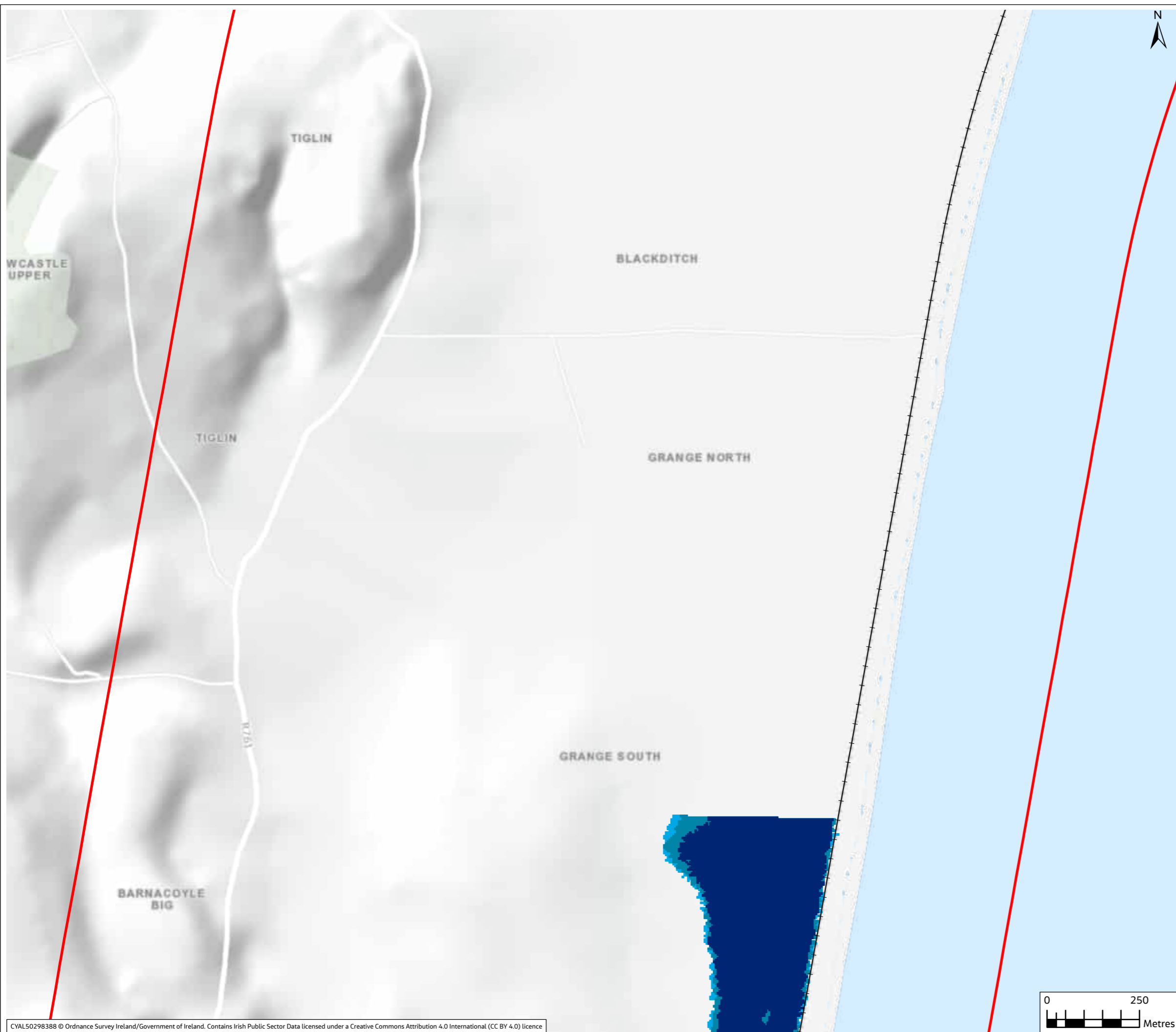
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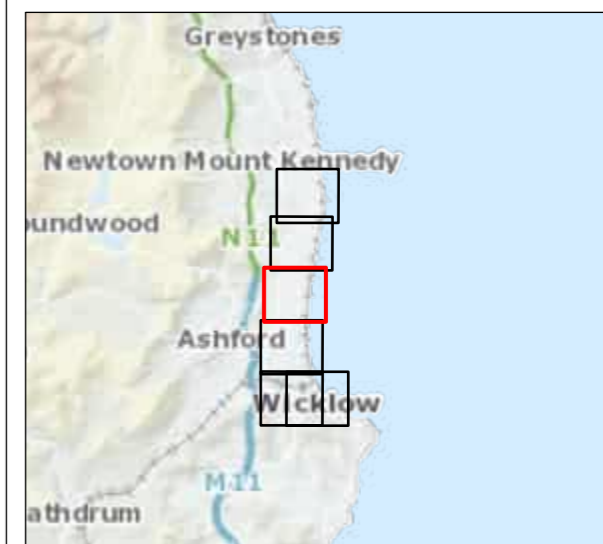
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**FIGURE 4.2**

**Legend**

- CCA6.2 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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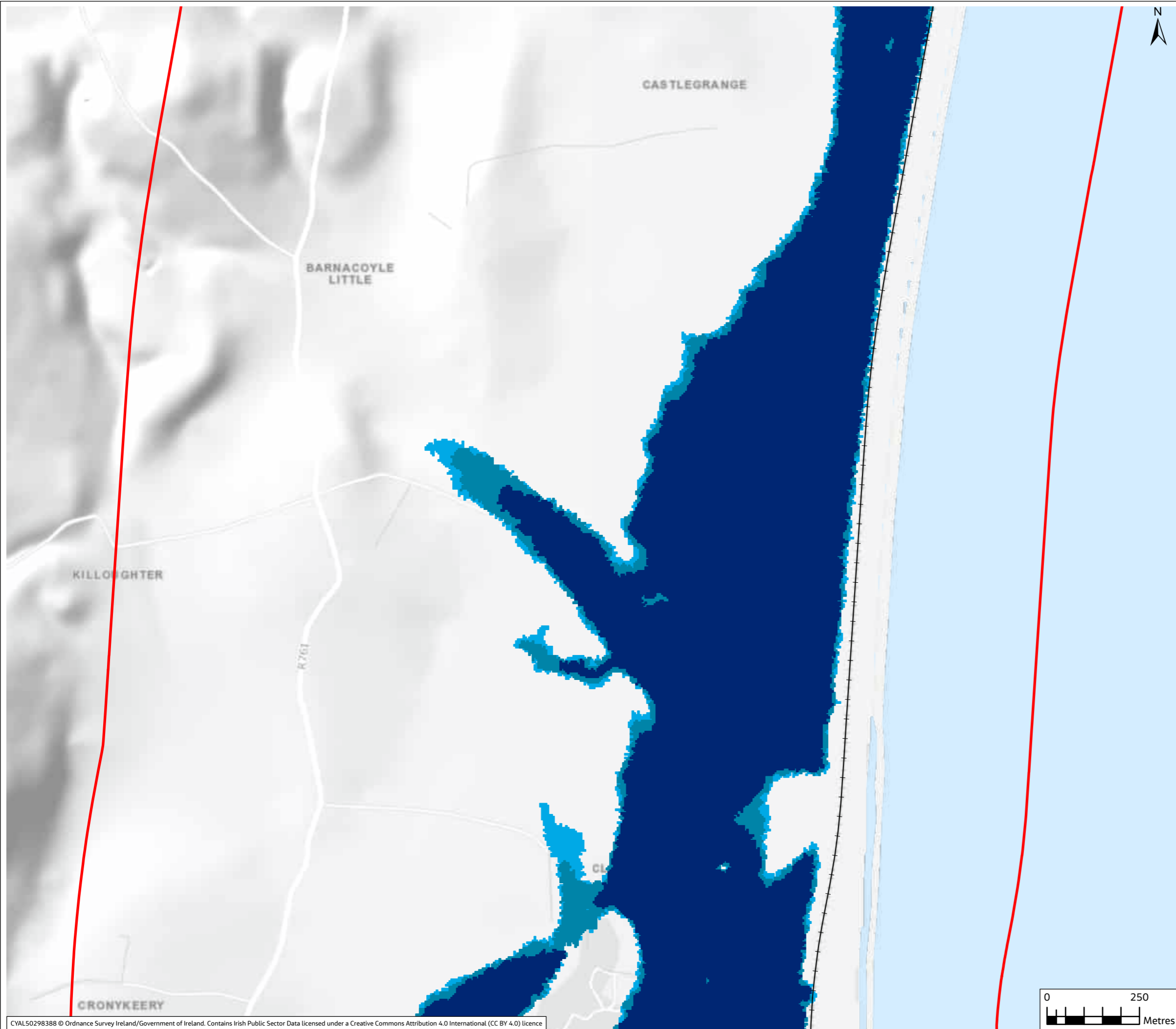
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CCA6.2- Environmental Constraints  
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TINAKELLY MURRAGH

TINAKELLY MURRAGH

TINAKELLY MURRAGH

Wicklow

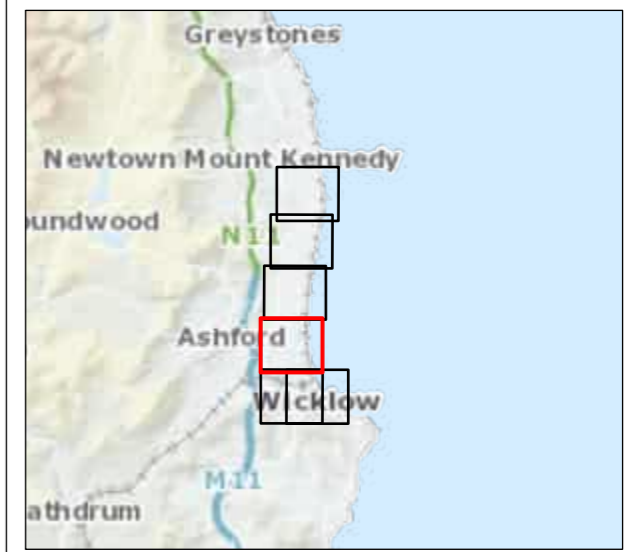
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FIGURE 4.2

Legend

- CCA6.2 Study Area
  - Railway Network Centreline
- Coastal Mid-Range Future Flood Extents
- Low Propability
  - Medium Propability
  - High Propability



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 CCA6.2- Environmental Constraints  
 Coastal Mid-Range Future Flood Extents  
 (Page 4 of 6)

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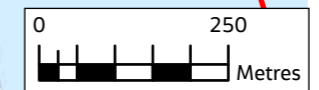




FIGURE 4.2

Legend

- CCA6.2 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Coastal Mid-Range Future Flood Extents  
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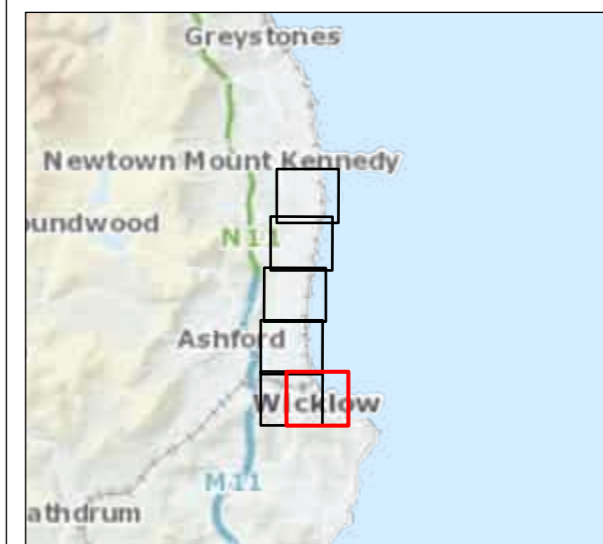
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**FIGURE 4.2**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline
- Coastal Mid-Range Future Flood Extents**
- Low Propability
- Medium Propability
- High Propability



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 Figure 4.2  
 CCA6.2- Environmental Constraints  
 Coastal Mid-Range Future Flood Extents  
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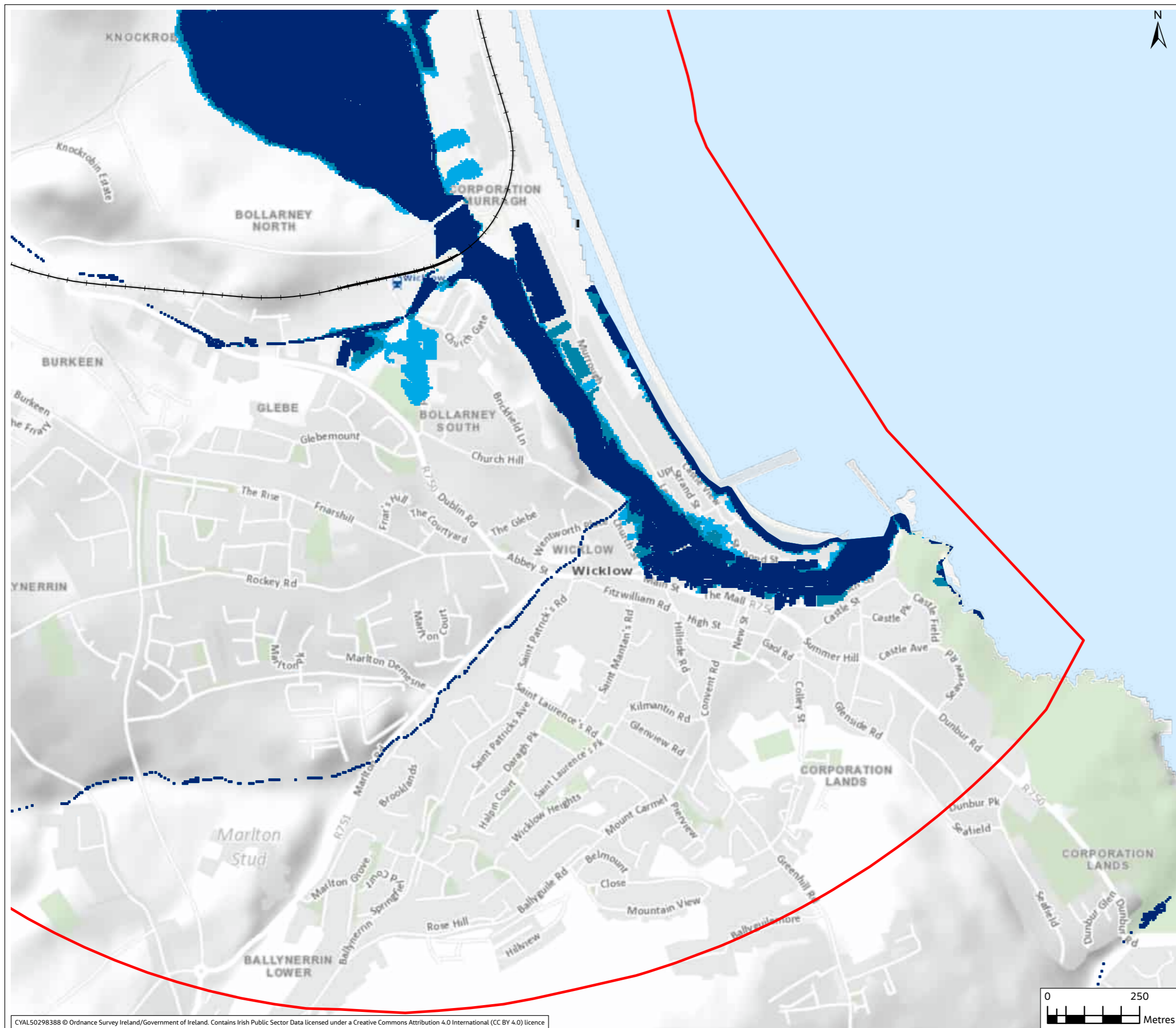


FIGURE 4.3

- Legend**
- CCA1 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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 Figure 4.3  
 CCA1- Environmental Constraints  
 Fluvial Mid-Range Present Flood Extents  
 (Page 1 of 2)

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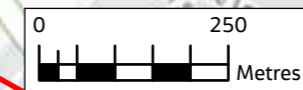
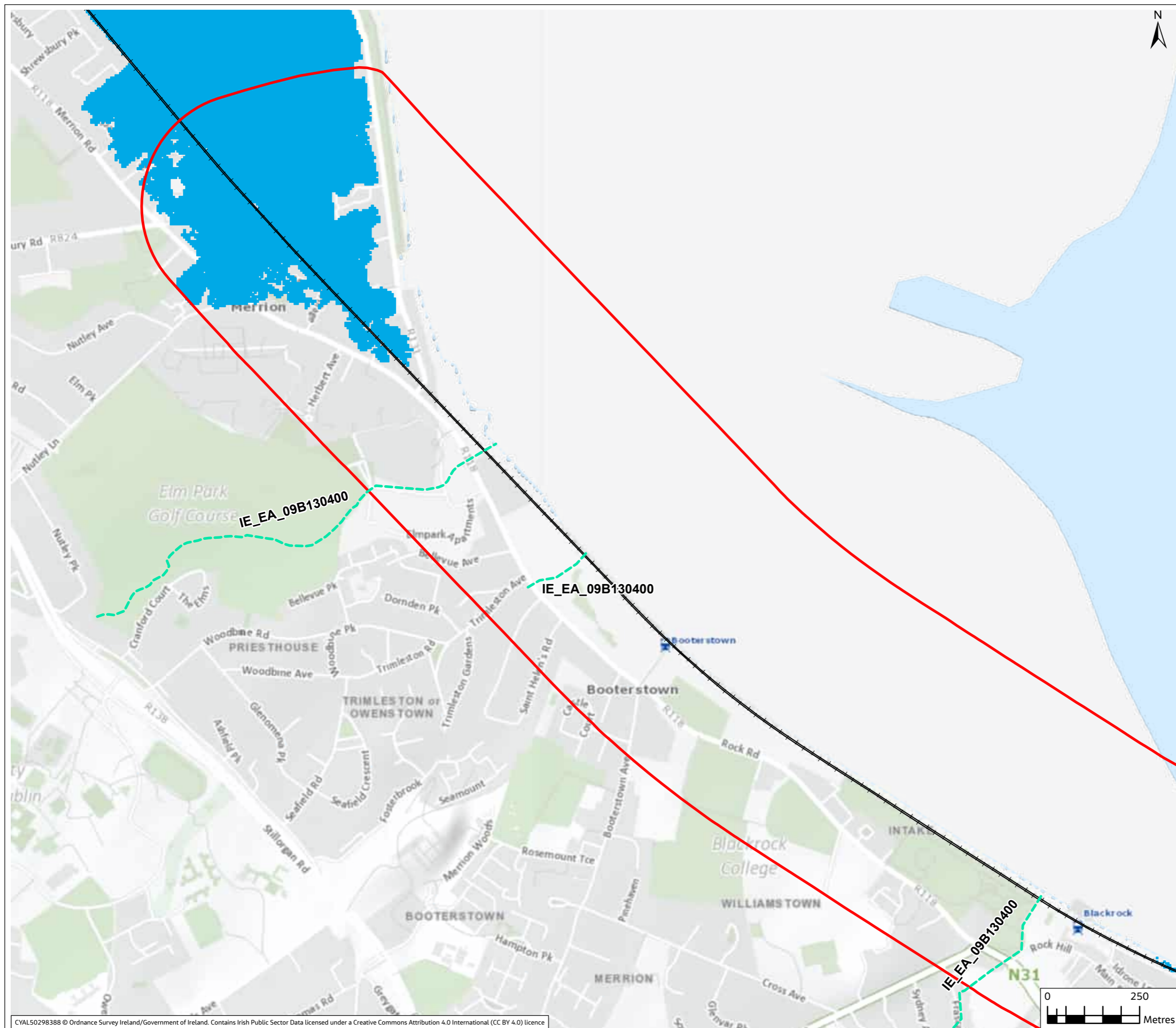
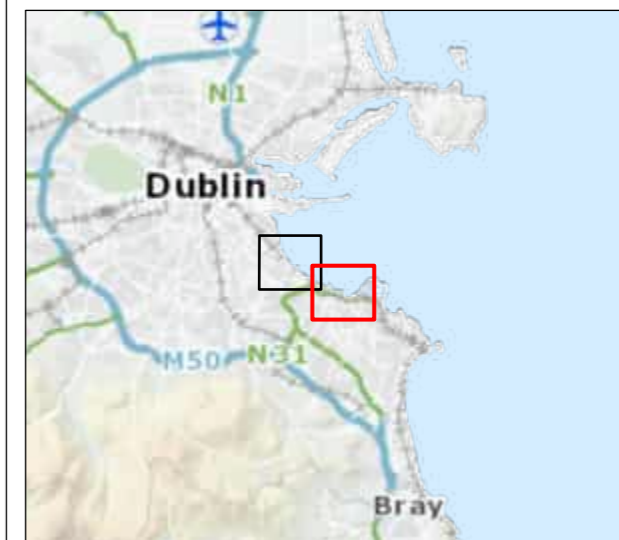
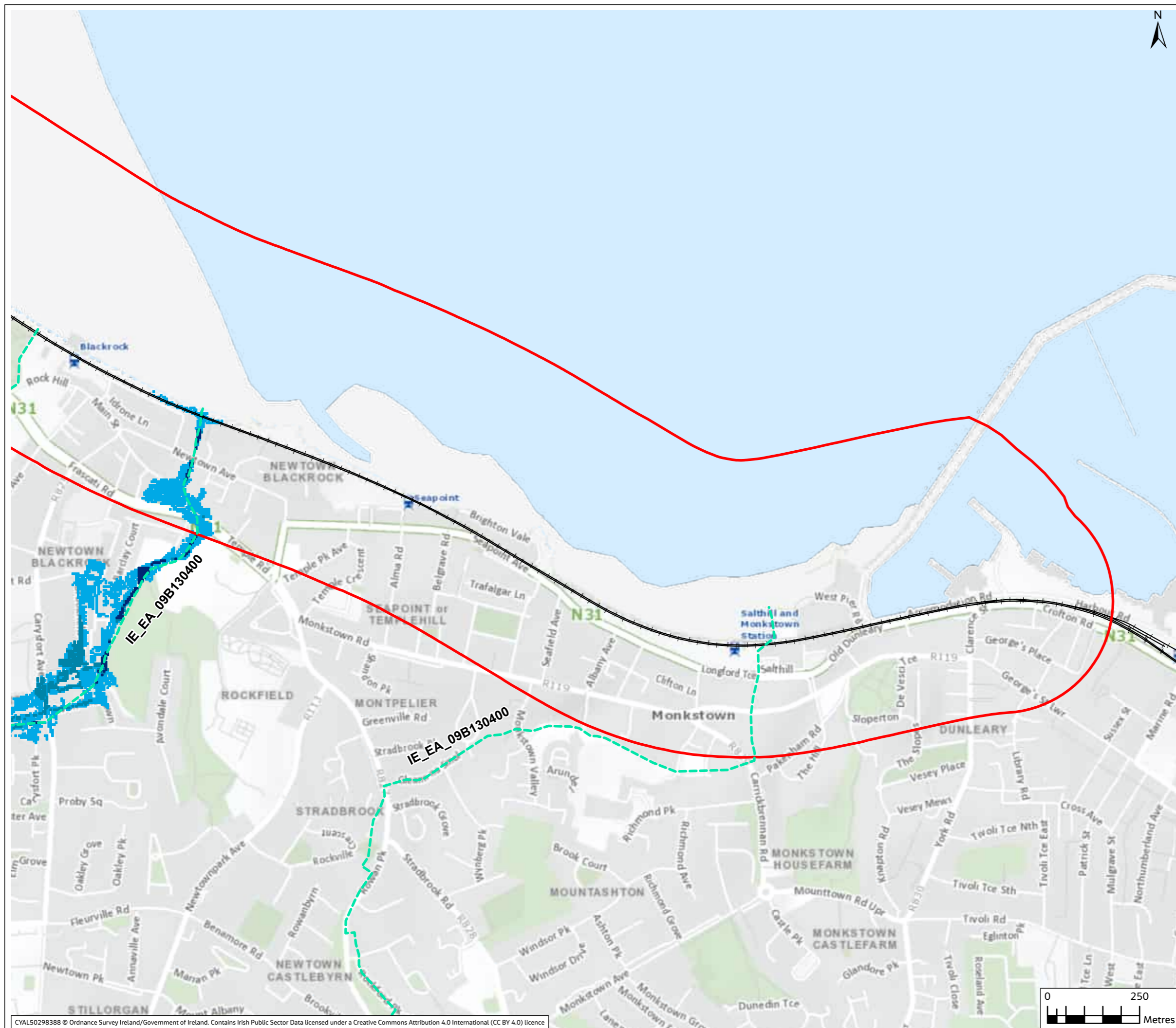


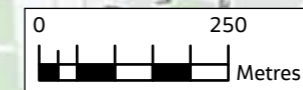


FIGURE 4.3

- Legend**
- CCA1 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



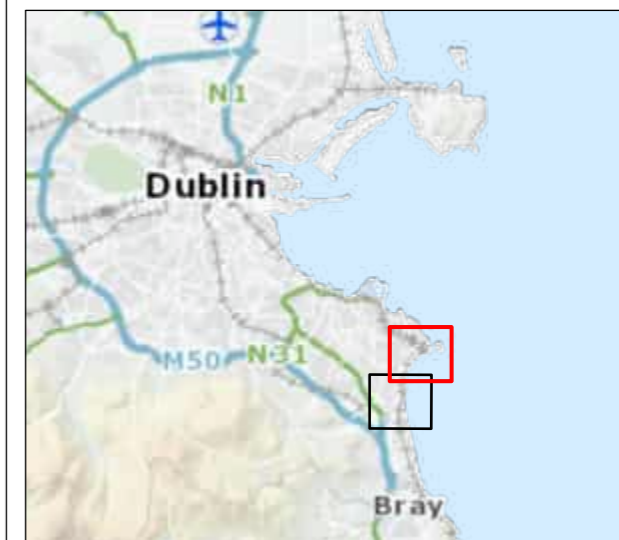
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Drawing Title						
Figure 4.3 CCA1- Environmental Constraints Fluvial Mid-Range Present Flood Extents (Page 2 of 2)						
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**FIGURE 4.3**

- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.3  
CCA2-3- Environmental Constraints  
Fluvial Mid-Range Present Flood Extents  
(Page 1 of 2)

Drawing Status

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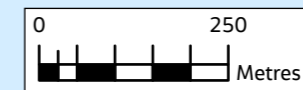
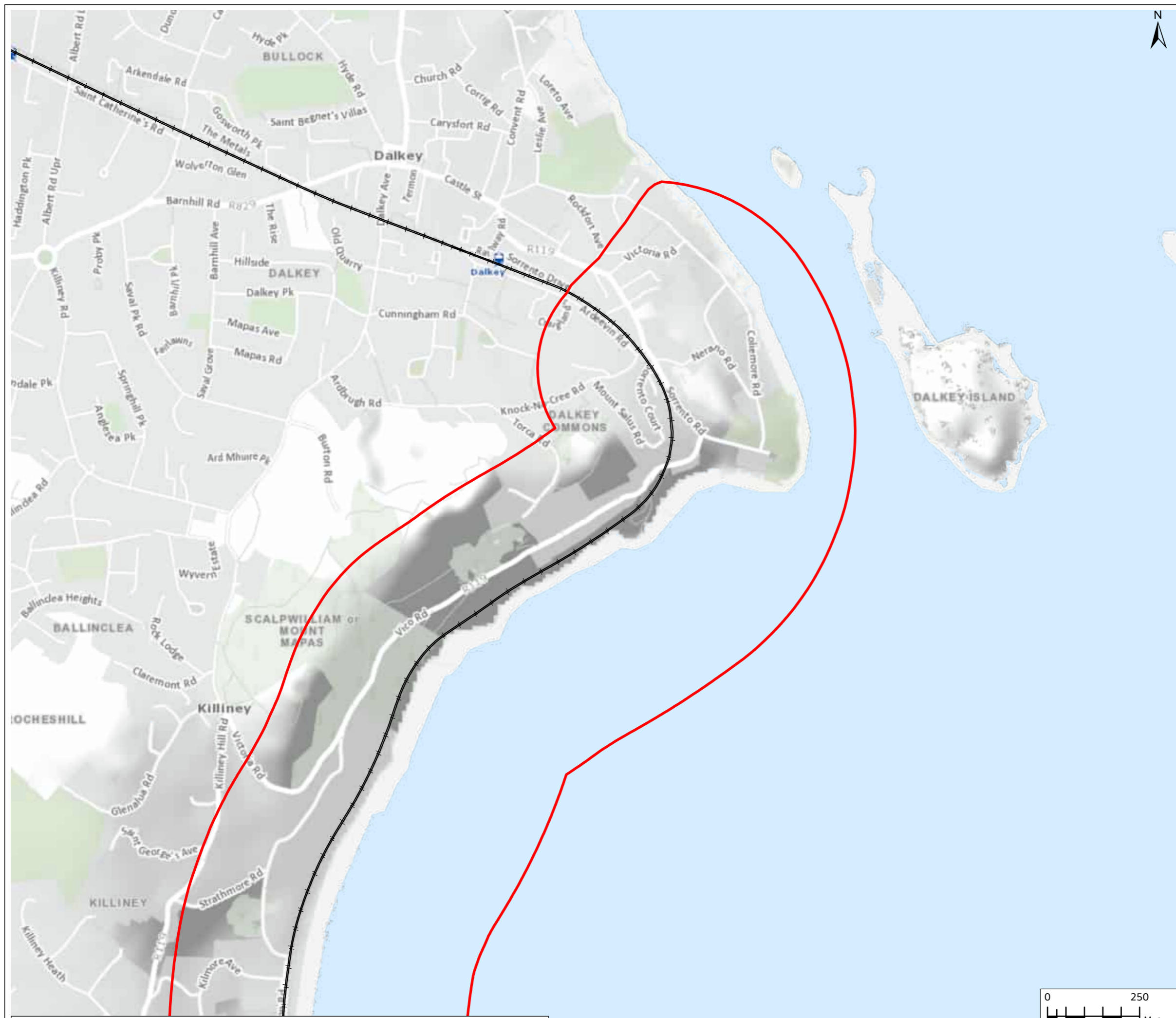
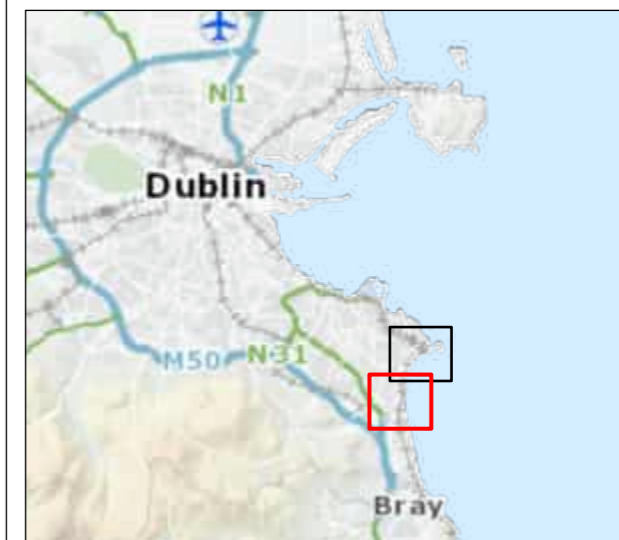


FIGURE 4.3

- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.3  
CCA2-3- Environmental Constraints  
Fluvial Mid-Range Present Flood Extents  
(Page 2 of 2)

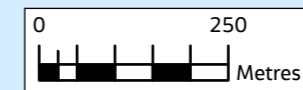
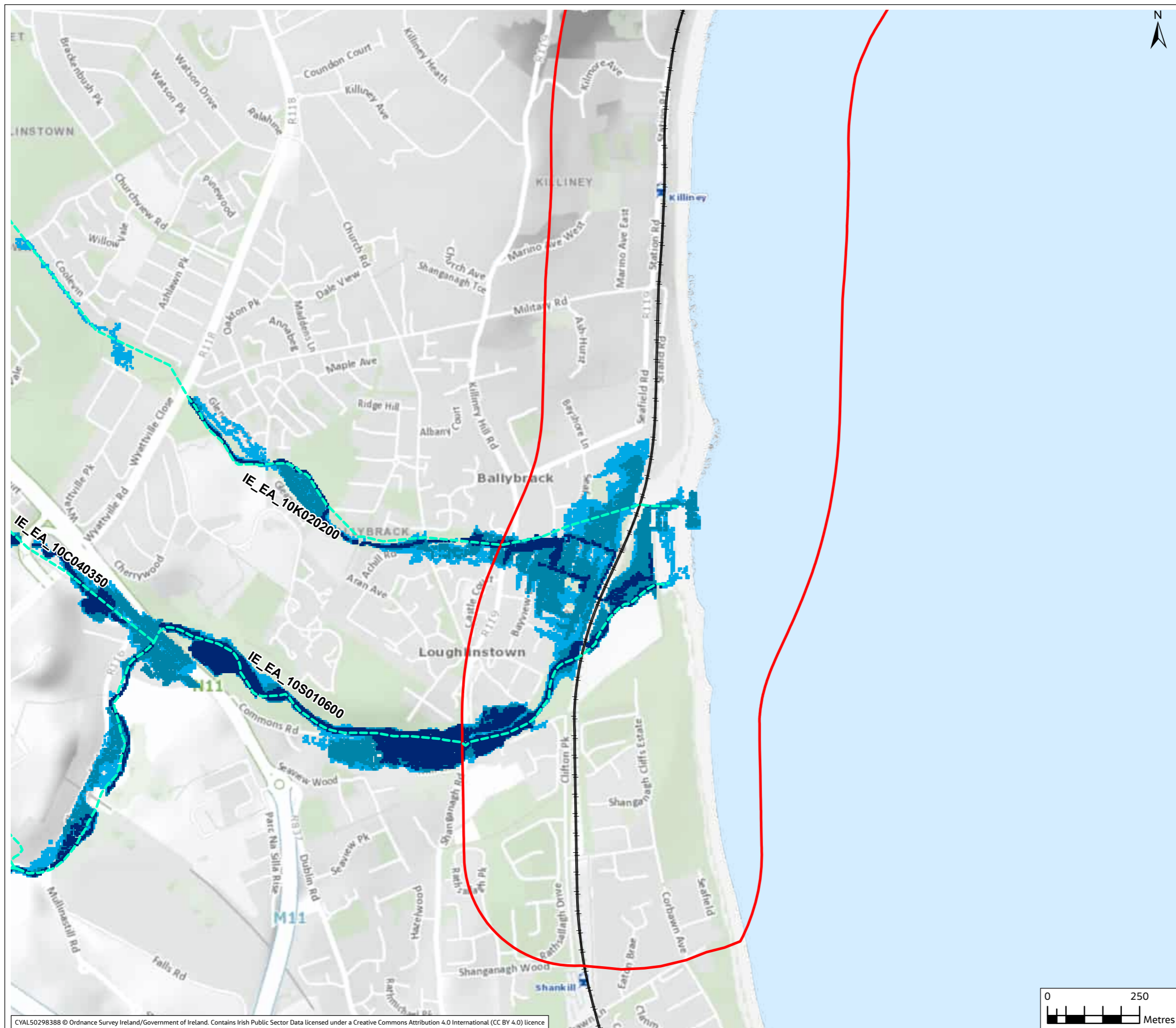
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**FIGURE 4.3**

**Legend**

- CCA5 Study Area
- Railway Network Centreline
- Rivers

**Fluvial Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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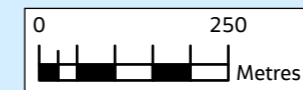
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 CCA5- Environmental Constraints  
 Fluvial Mid-Range Present Flood Extents  
 (Page 1 of 2)

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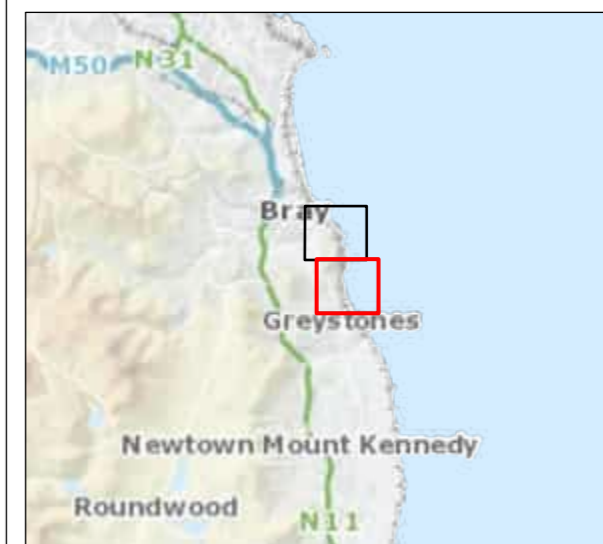
**FIGURE 4.3**

**Legend**

- CCA5 Study Area
- Railway Network Centreline
- Rivers

**Fluvial Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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Figure 4.3  
CCA5- Environmental Constraints  
Fluvial Mid-Range Present Flood Extents  
(Page 2 of 2)

Drawing Status

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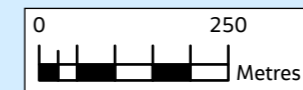
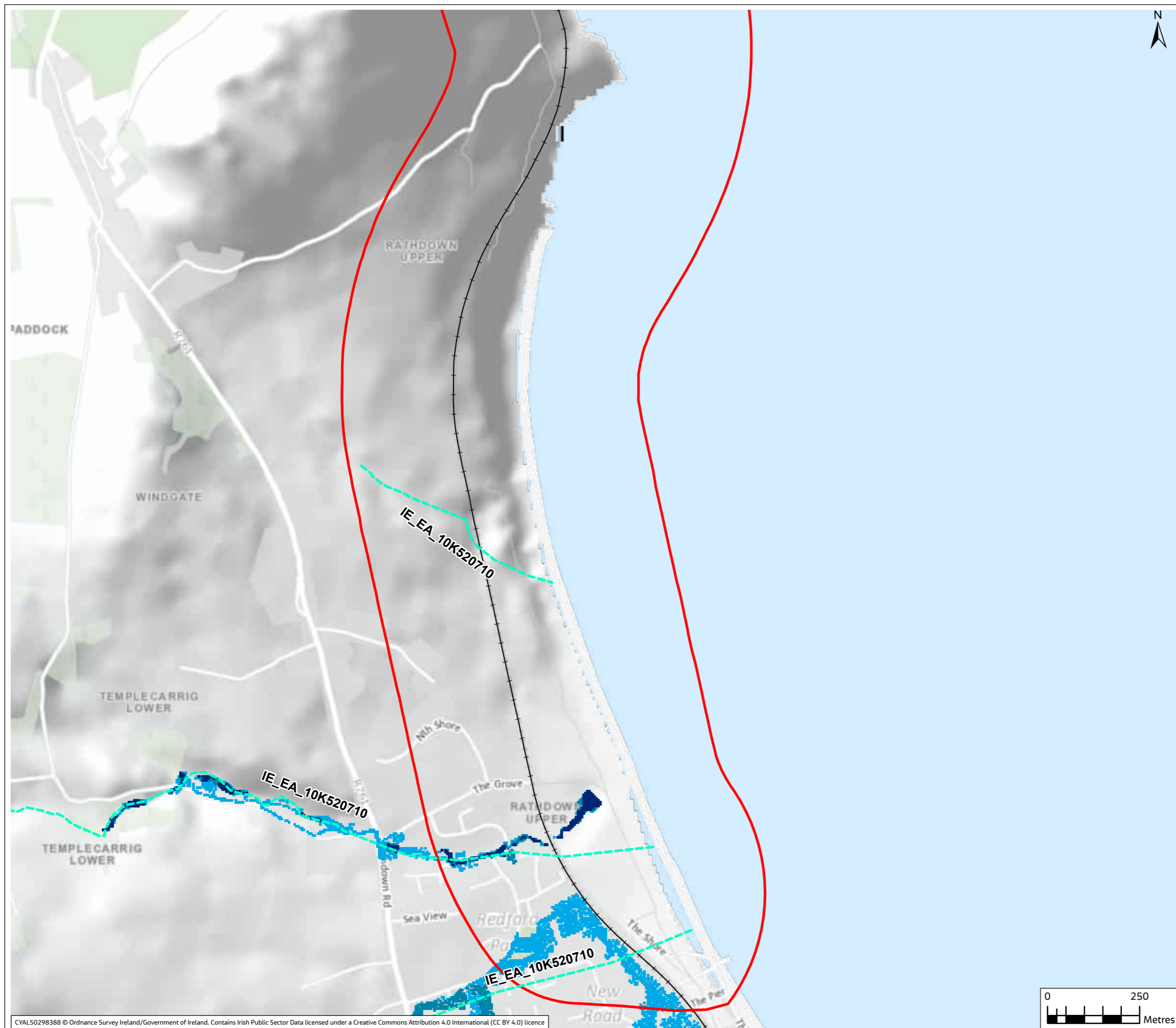




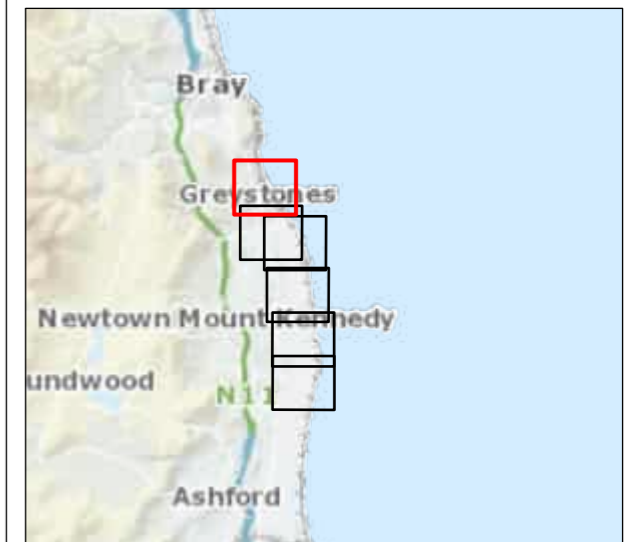
FIGURE 4.3

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Figure 4.3  
CCA6.1 - Environmental Constraints  
Fluvial Mid-Range Present Flood Extents  
(Page 1 of 6)

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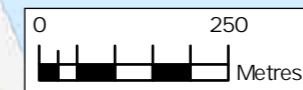
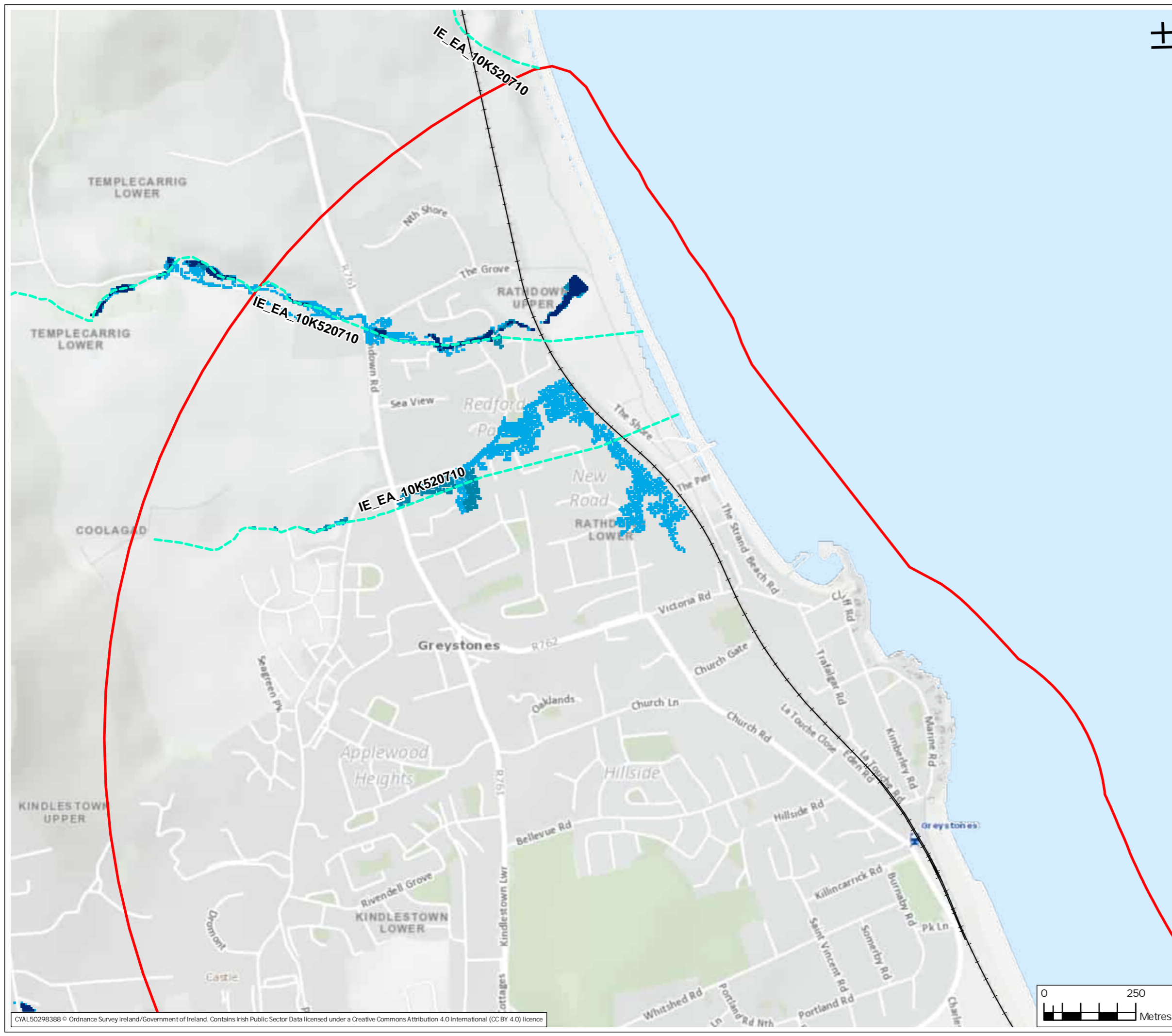


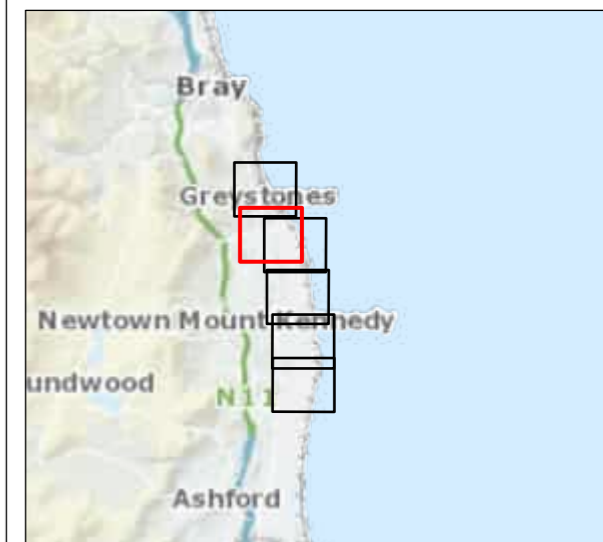
FIGURE 4.3

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Figure 4.3  
CCA6.1- Environmental Constraints  
Fluvial Mid-Range Present Flood Extents  
(Page 2 of 6)

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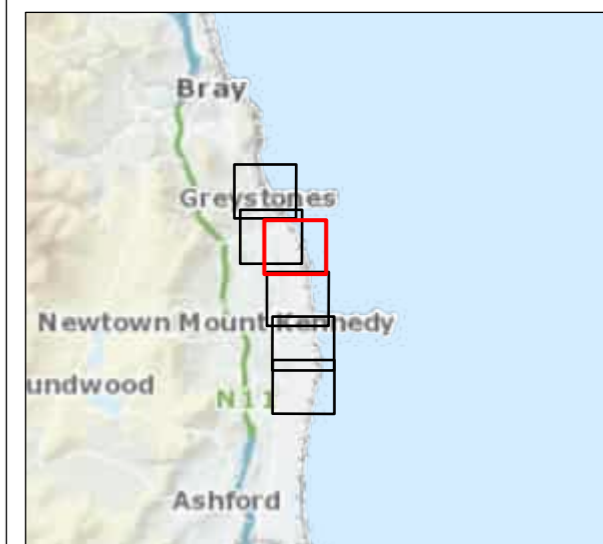
FIGURE 4.3

Legend


- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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 Figure 4.3  
 CCA6.1 - Environmental Constraints  
 Fluvial Mid-Range Present Flood Extents  
 (Page 3 of 6)

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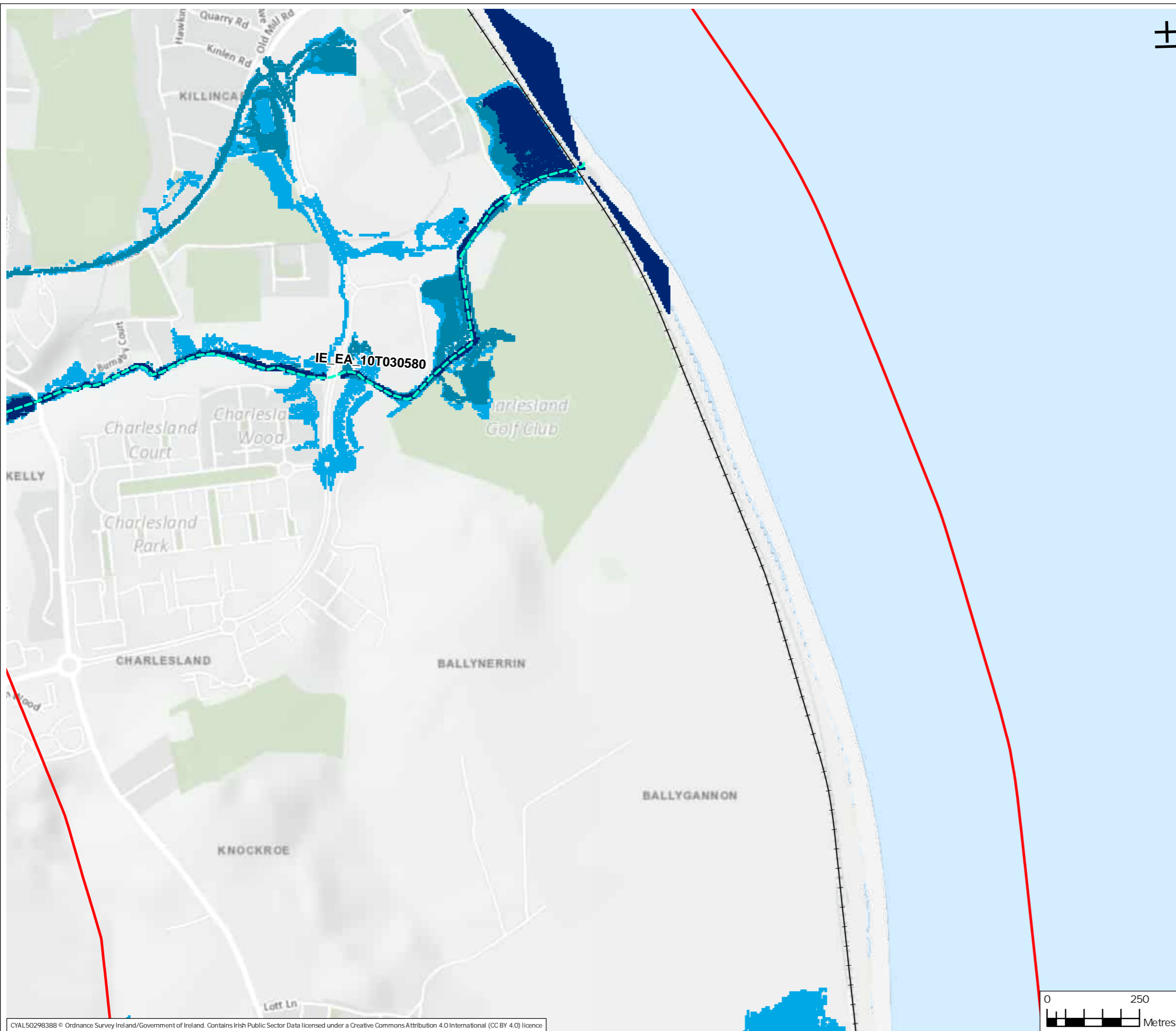


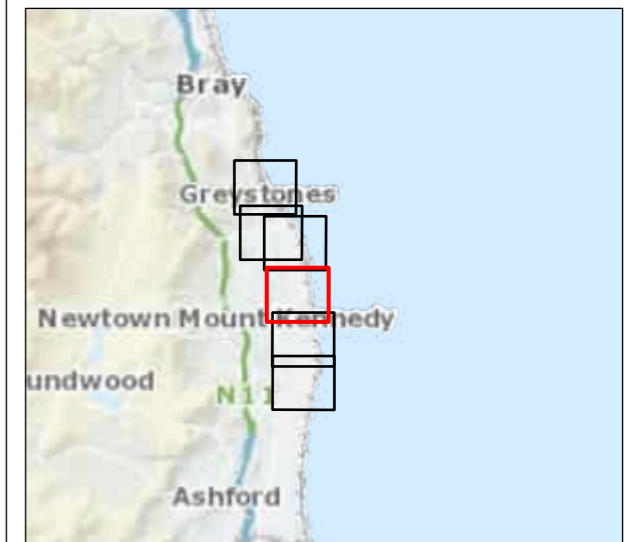
FIGURE 4.3

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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 Fluvial Mid-Range Present Flood Extents  
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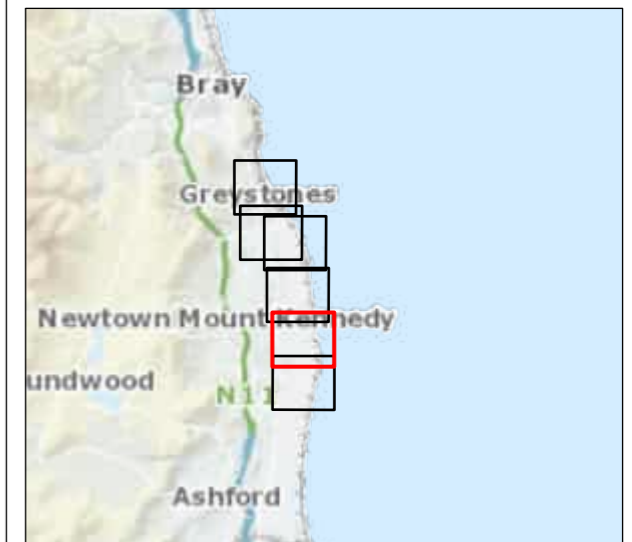


Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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 CCA6.1 - Environmental Constraints  
 Fluvial Mid-Range Present Flood Extents  
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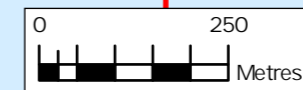
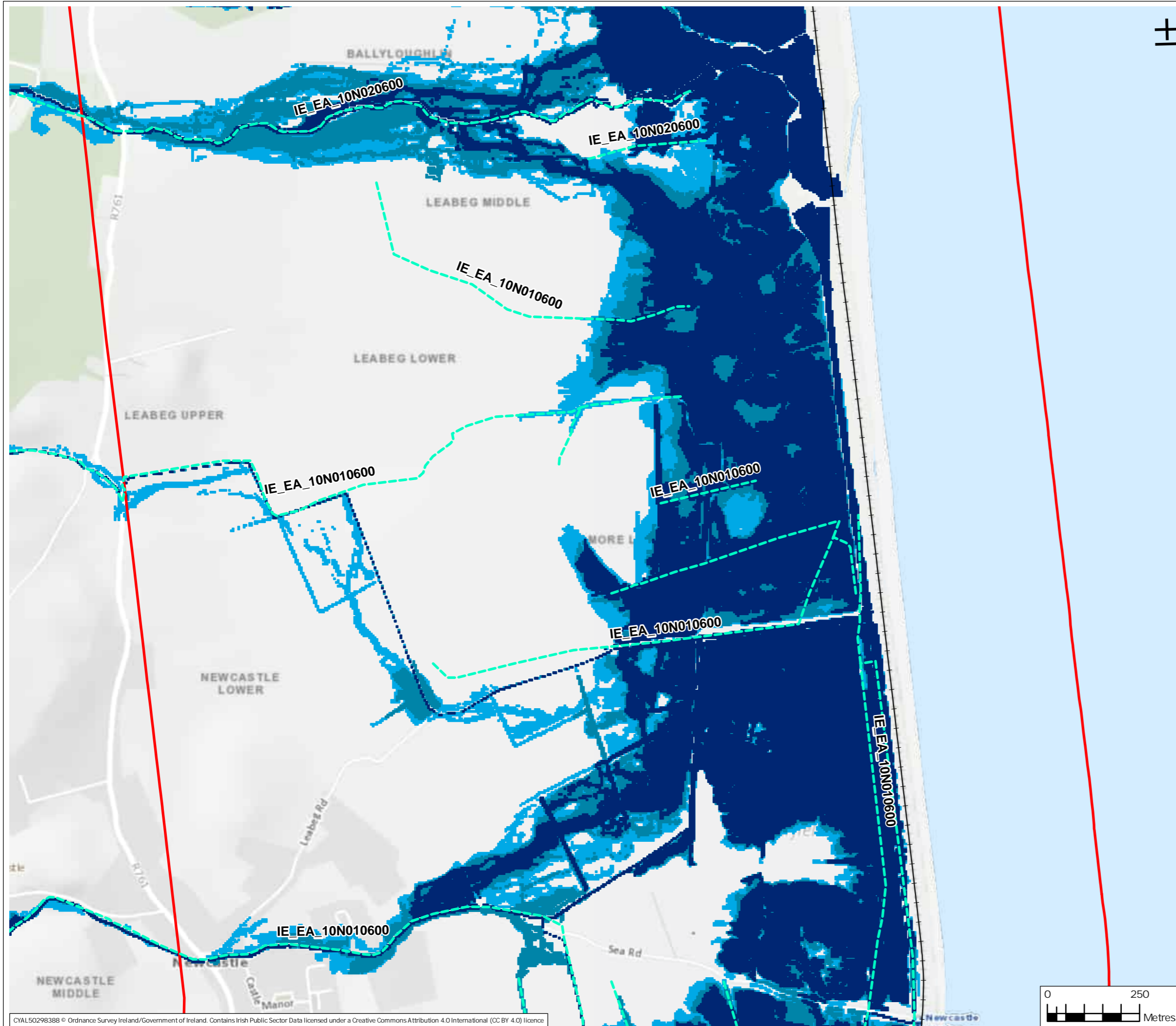


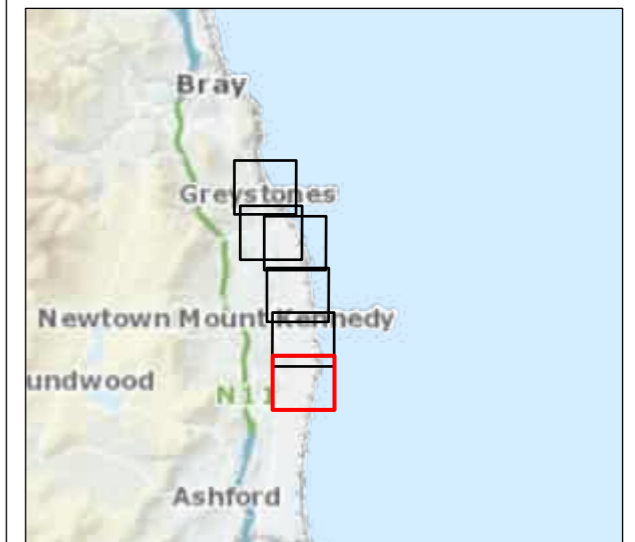
FIGURE 4.3

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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 CCA6.1 - Environmental Constraints  
 Fluvial Mid-Range Present Flood Extents  
 (Page 6 of 6)

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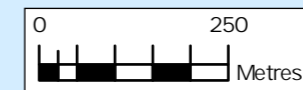
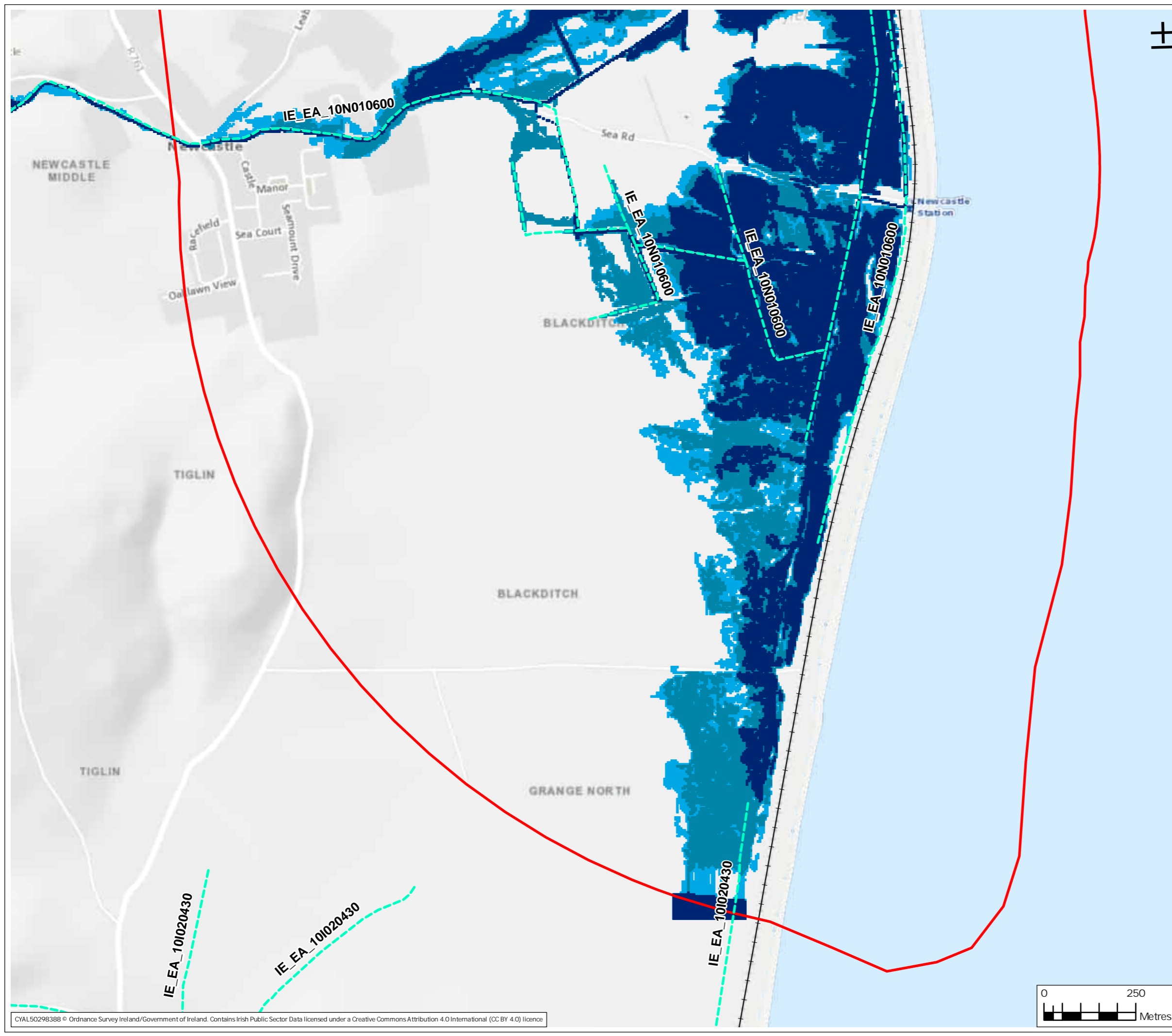
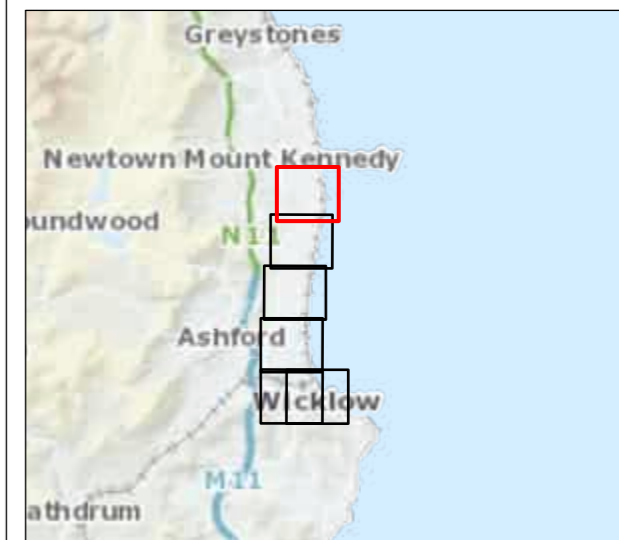


FIGURE 4.3

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.3  
CCA6.2- Environmental Constraints  
Fluvial Mid-Range Present Flood Extents  
(Page 1 of 6)

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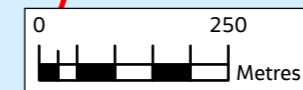
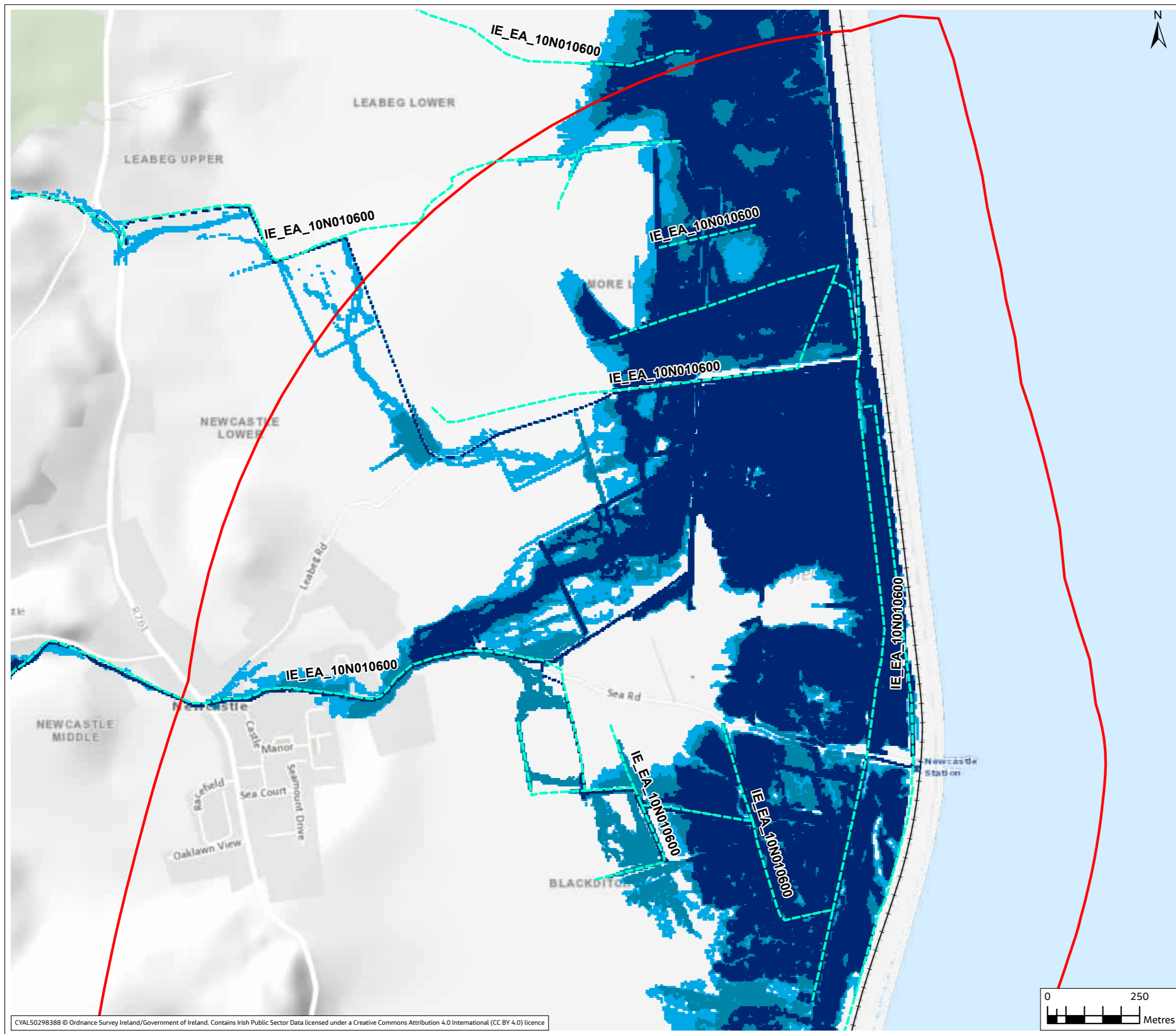
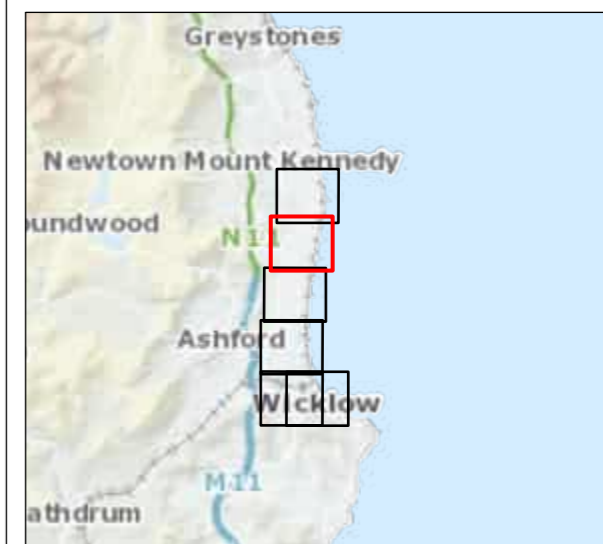


FIGURE 4.3

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.3  
 CCA6.2- Environmental Constraints  
 Fluvial Mid-Range Present Flood Extents  
 (Page 2 of 6)

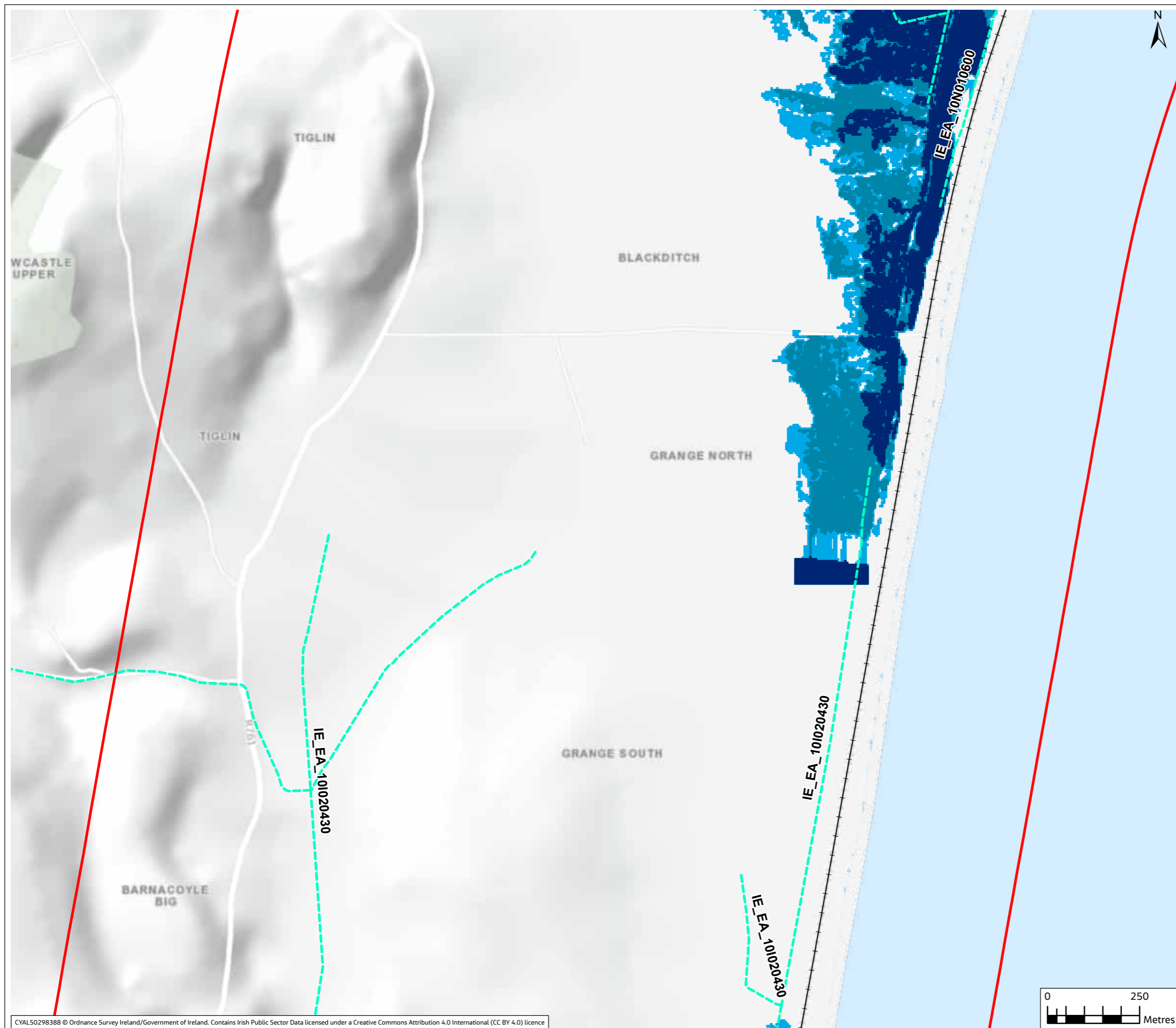
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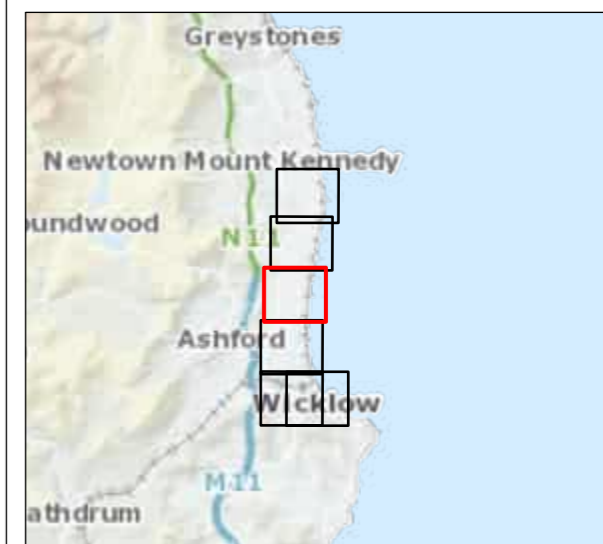
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**FIGURE 4.3**

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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**7694 EAST COAST RAILWAY  
INFRASTRUCTURE PROTECTION PROJECTS**

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Figure 4.3  
CCA6.2- Environmental Constraints  
Fluvial Mid-Range Present Flood Extents  
(Page 3 of 6)

Drawing Status

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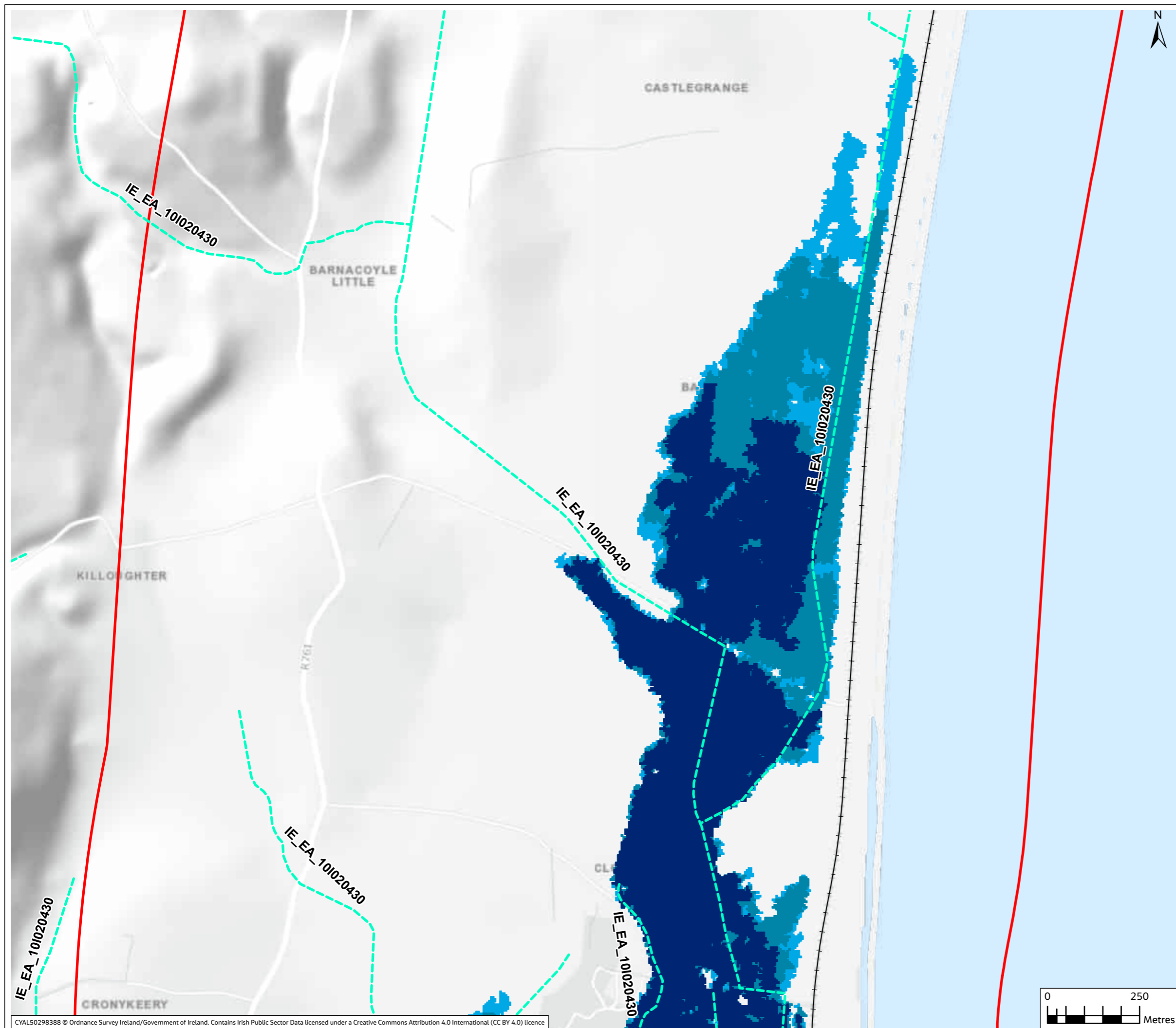
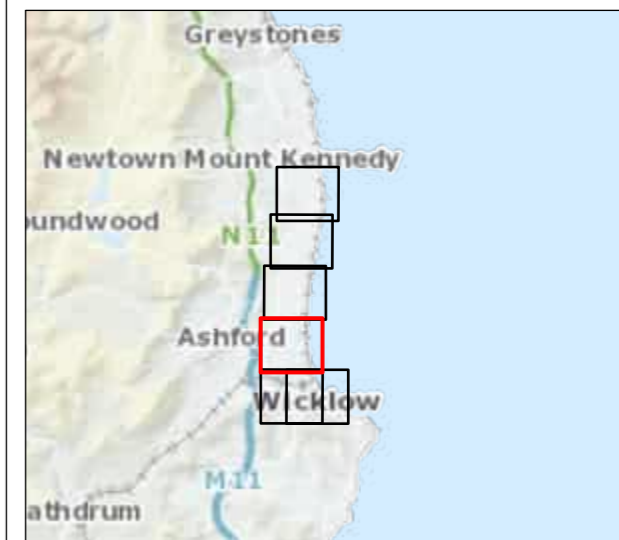


FIGURE 4.3

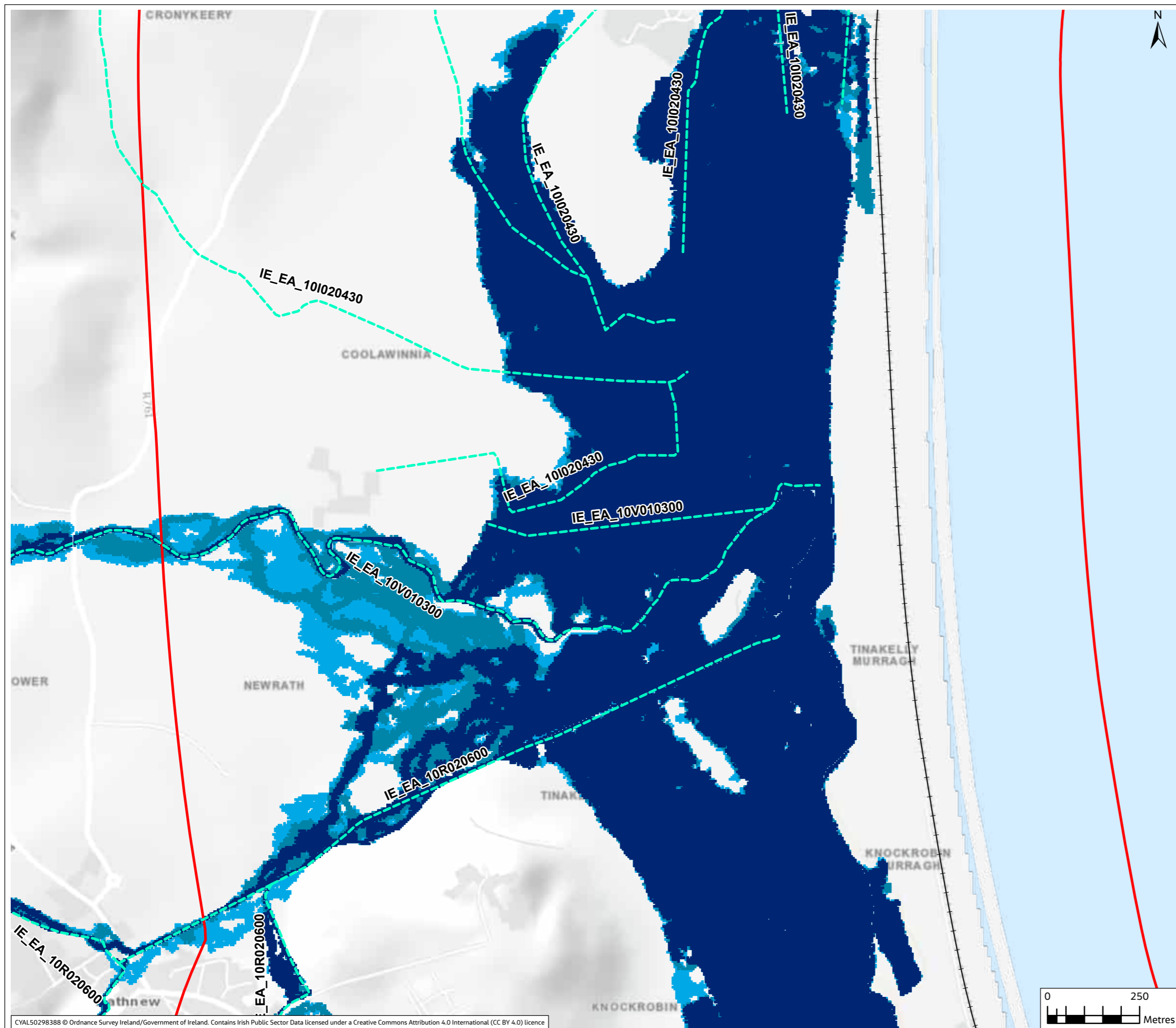
- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Drawing Title						
Figure 4.3 CCA6.2- Environmental Constraints Fluvial Mid-Range Present Flood Extents (Page 4 of 6)						
Drawing Status						
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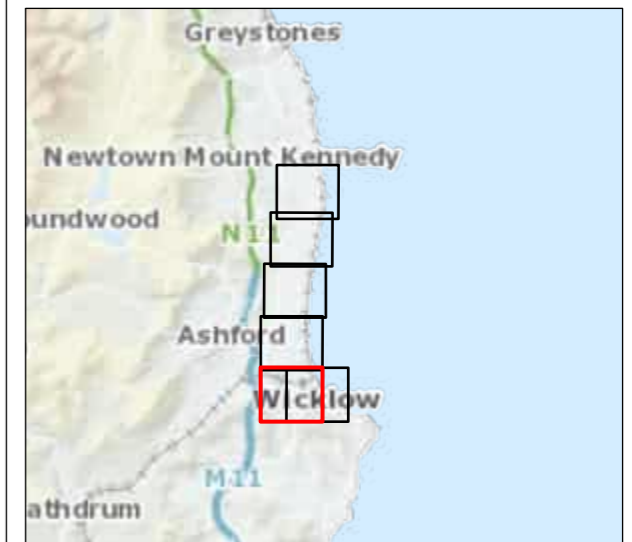
**FIGURE 4.3**

**Legend**

- CCA6.2 Study Area
- Railway Network Centreline
- Rivers

**Fluvial Mid-Range Present Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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 CCA6.2- Environmental Constraints  
 Fluvial Mid-Range Present Flood Extents  
 (Page 5 of 6)

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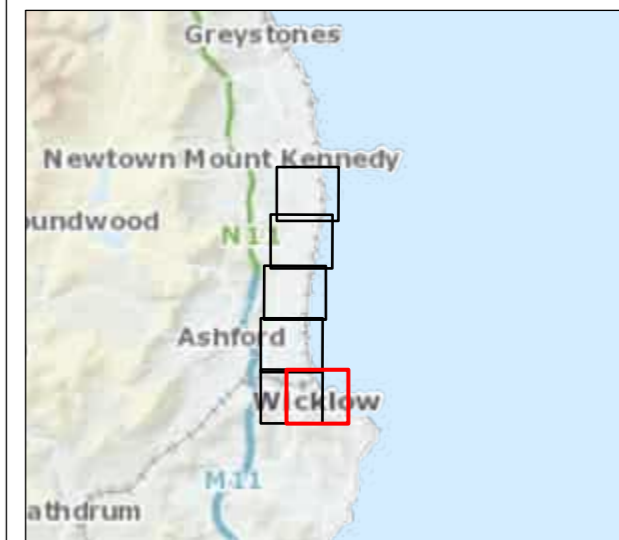
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FIGURE 4.3

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Present Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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 Figure 4.3  
 CCA6.2- Environmental Constraints  
 Fluvial Mid-Range Present Flood Extents  
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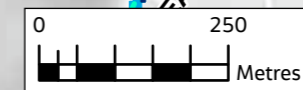
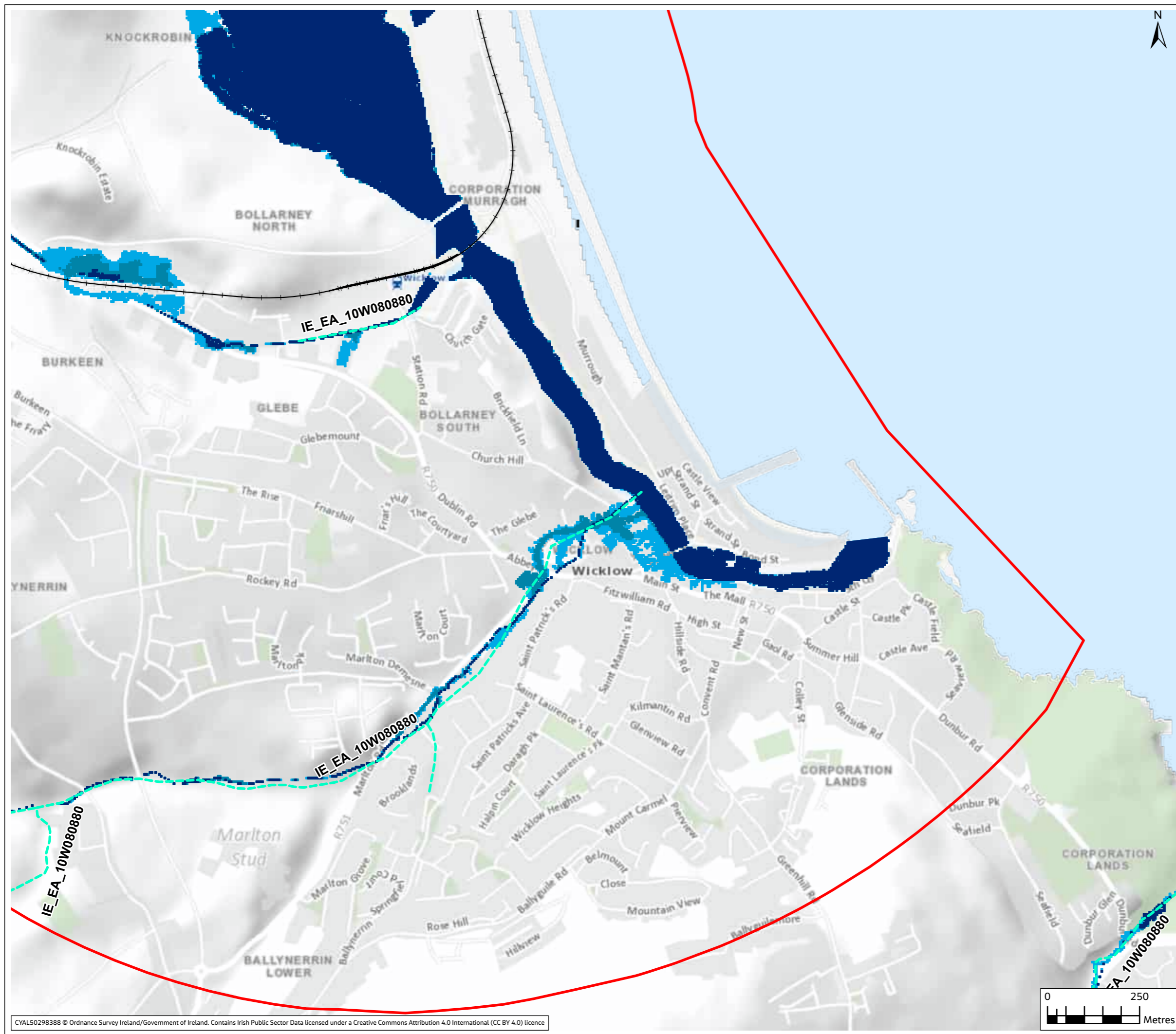


FIGURE 4.4

- Legend**
- CCA1 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.4  
CCA1- Environmental Constraints  
Fluvial Mid-Range Future Flood Extents  
(Page 1 of 2)

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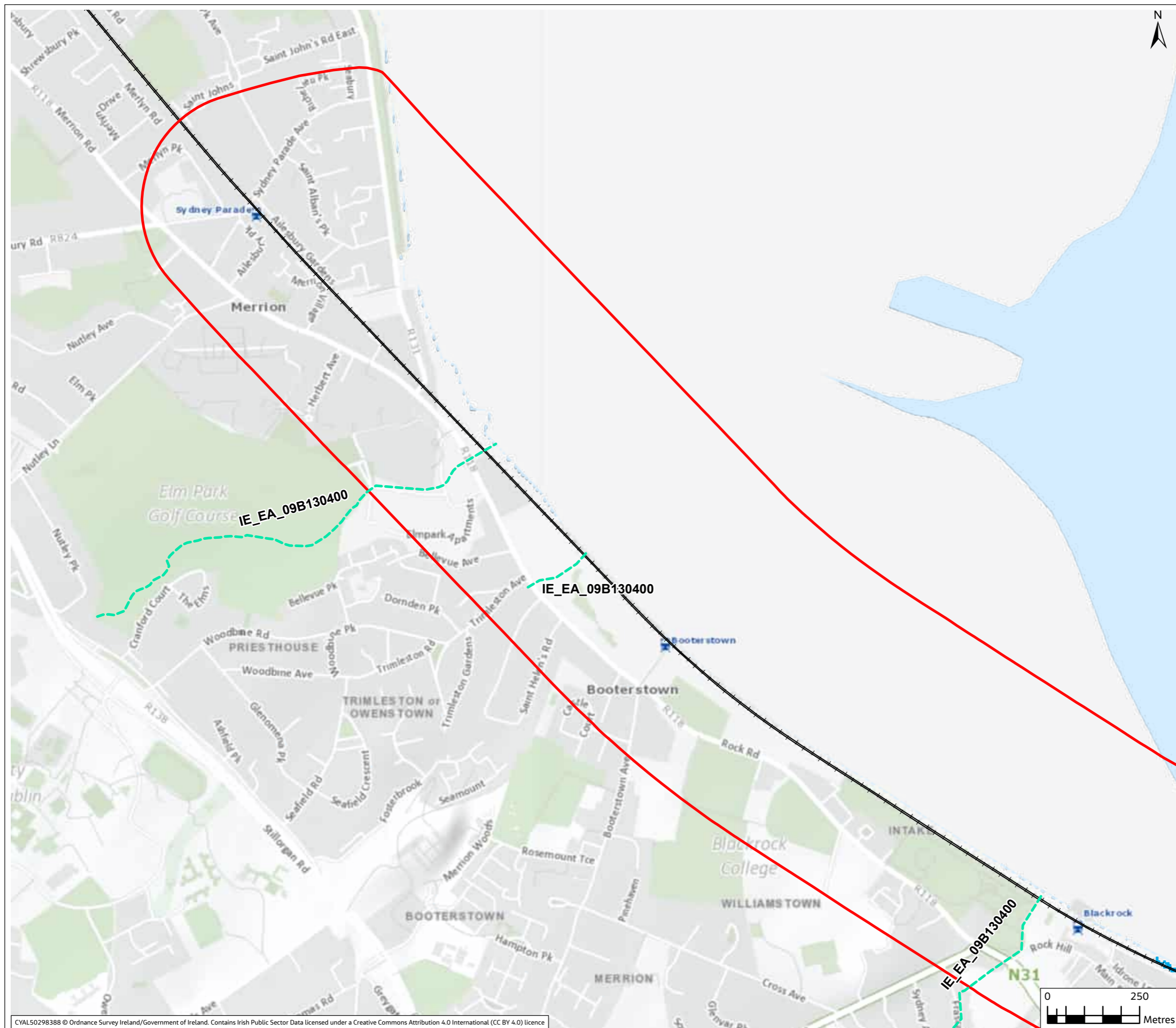
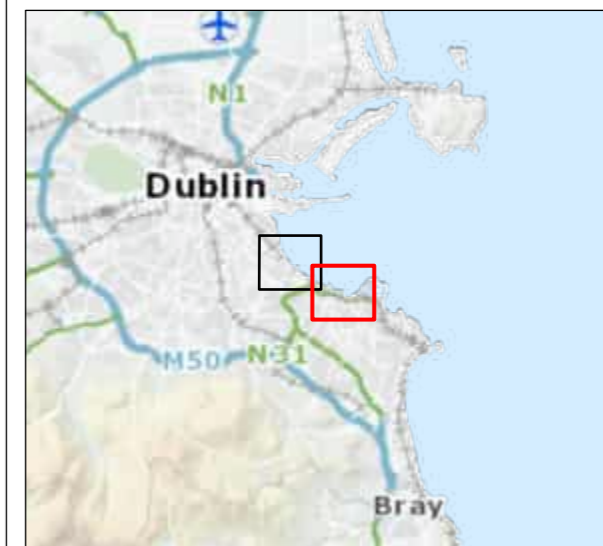
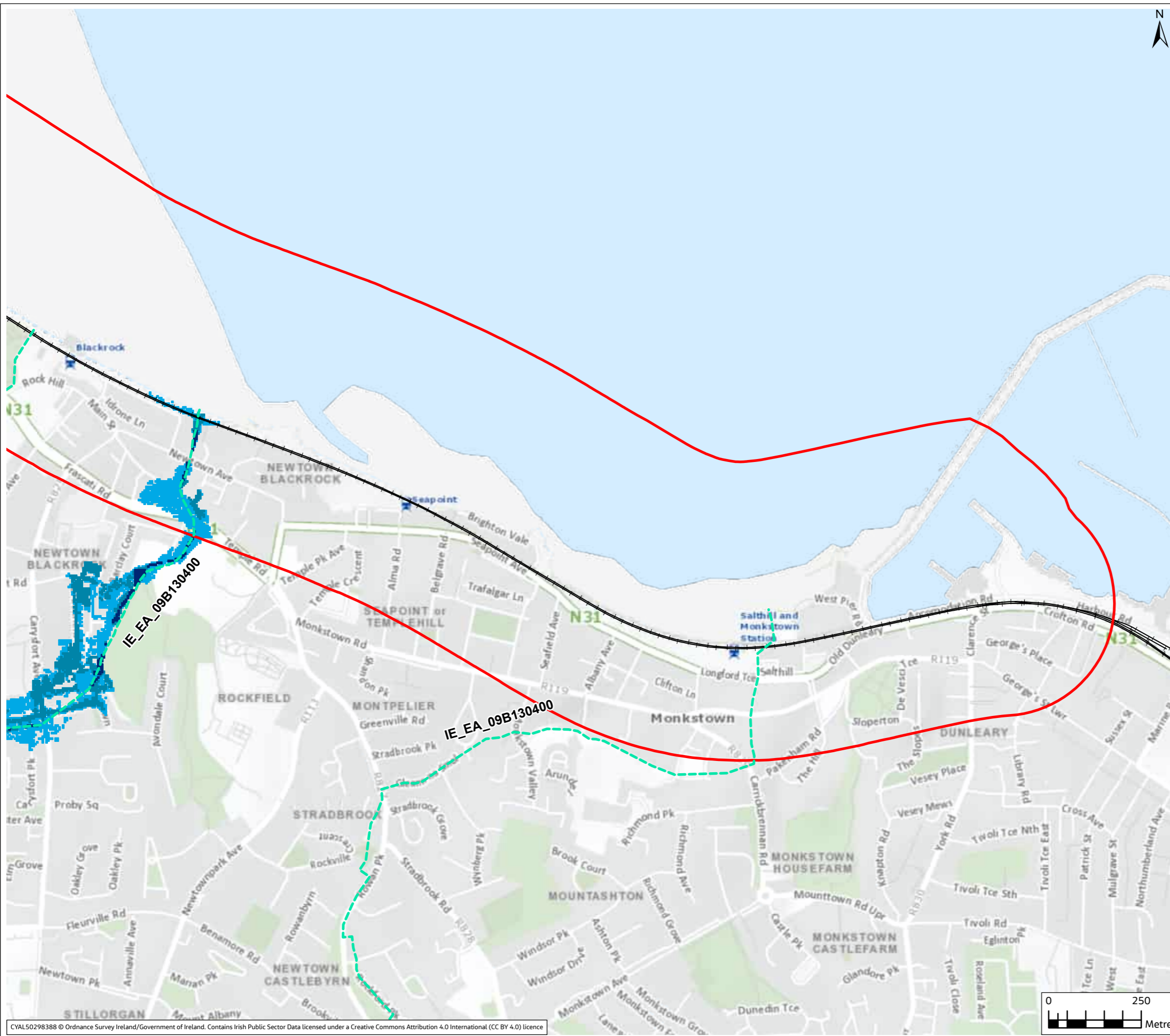


FIGURE 4.4

- Legend**
- CCA1 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.4  
CCA1- Environmental Constraints  
Fluvial Mid-Range Future Flood Extents  
(Page 2 of 2)

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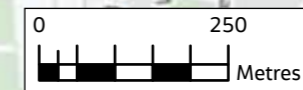
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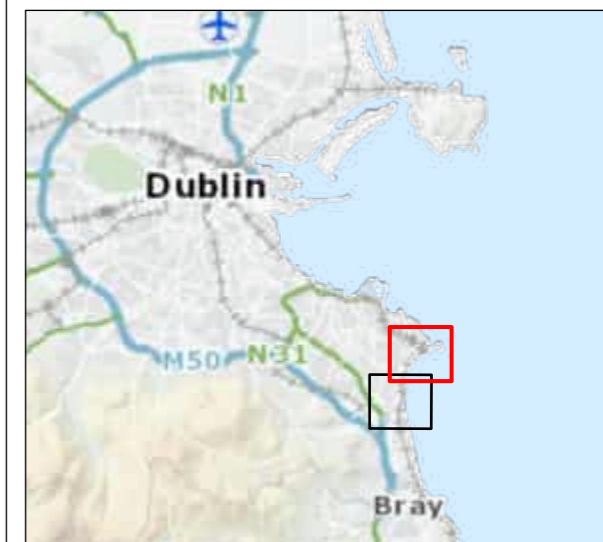
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**FIGURE 4.4**

- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.4  
CCA2-3- Environmental Constraints  
Fluvial Mid-Range Future Flood Extents  
(Page 1 of 2)

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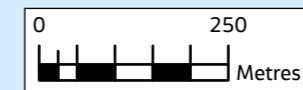
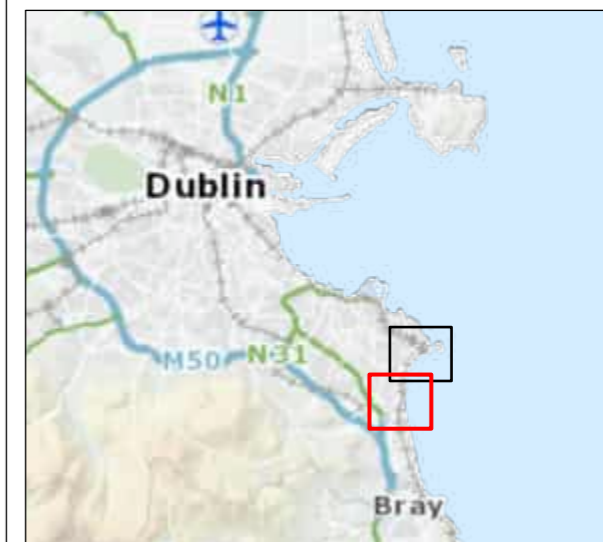


FIGURE 4.4

- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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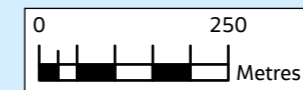
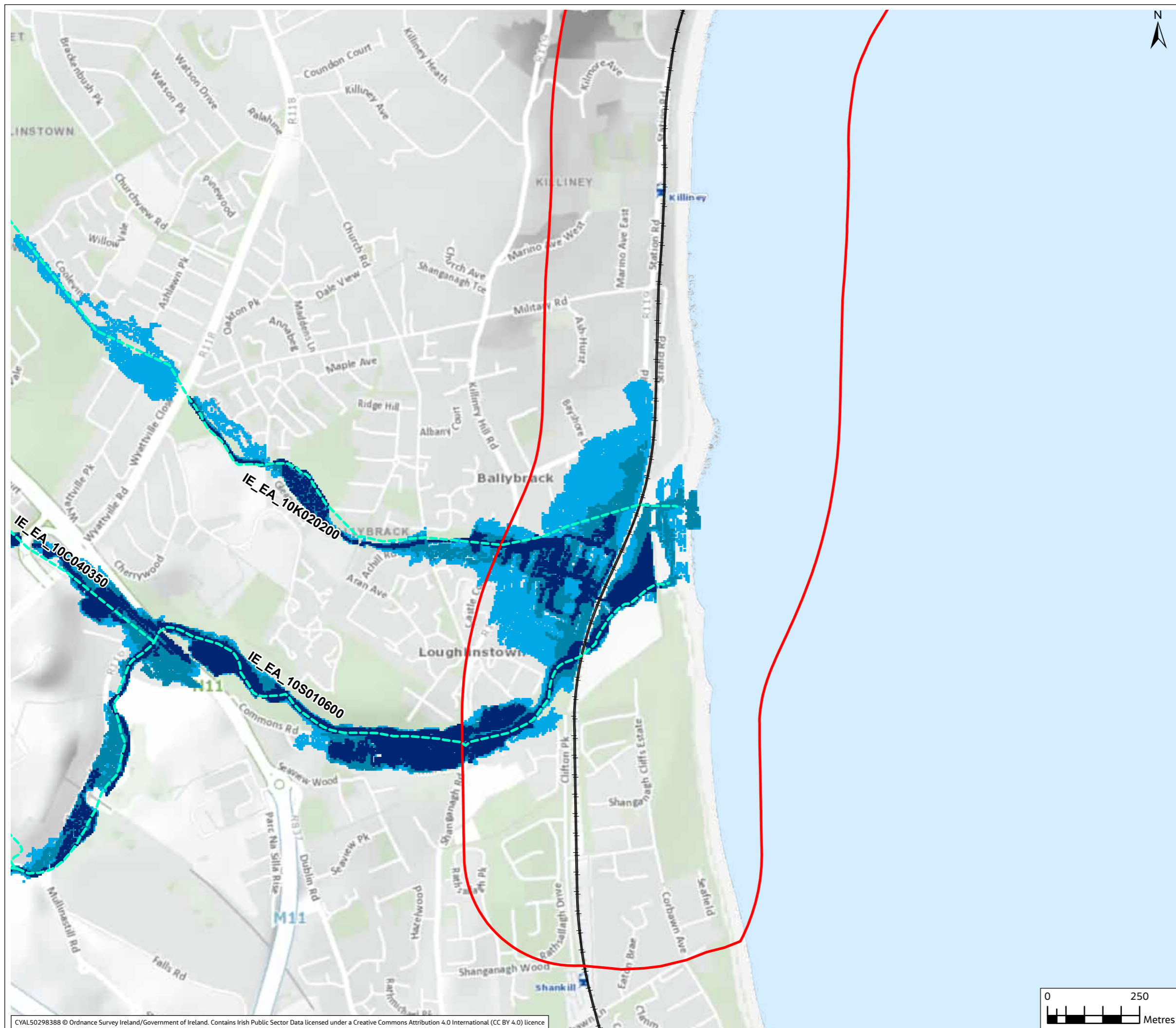
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 Figure 4.4  
 CCA2-3- Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
 (Page 2 of 2)

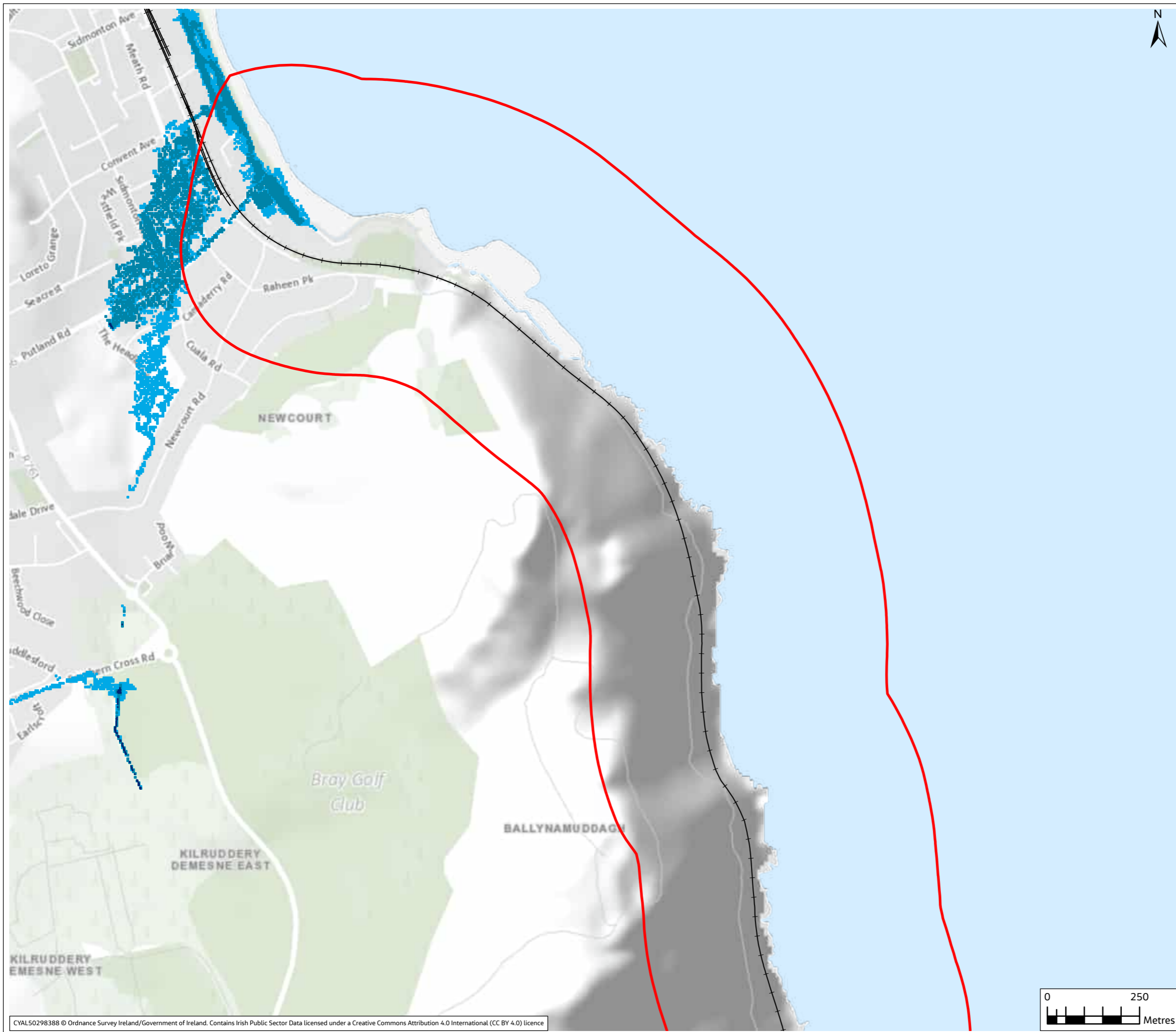
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**FIGURE 4.4**

**Legend**

- CCA5 Study Area
- Railway Network Centreline
- Rivers

**Fluvial Mid-Range Future Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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Figure 4.4  
CCA5- Environmental Constraints  
Fluvial Mid-Range Future Flood Extents  
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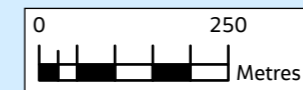
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**FIGURE 4.4**

**Legend**

- CCA5 Study Area
- Railway Network Centreline
- Rivers

**Fluvial Mid-Range Future Flood Extents**

- Low Propability
- Medium Propability
- High Propability



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Figure 4.4  
CCA5- Environmental Constraints  
Fluvial Mid-Range Future Flood Extents  
(Page 2 of 2)

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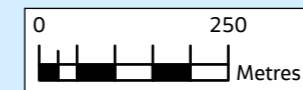
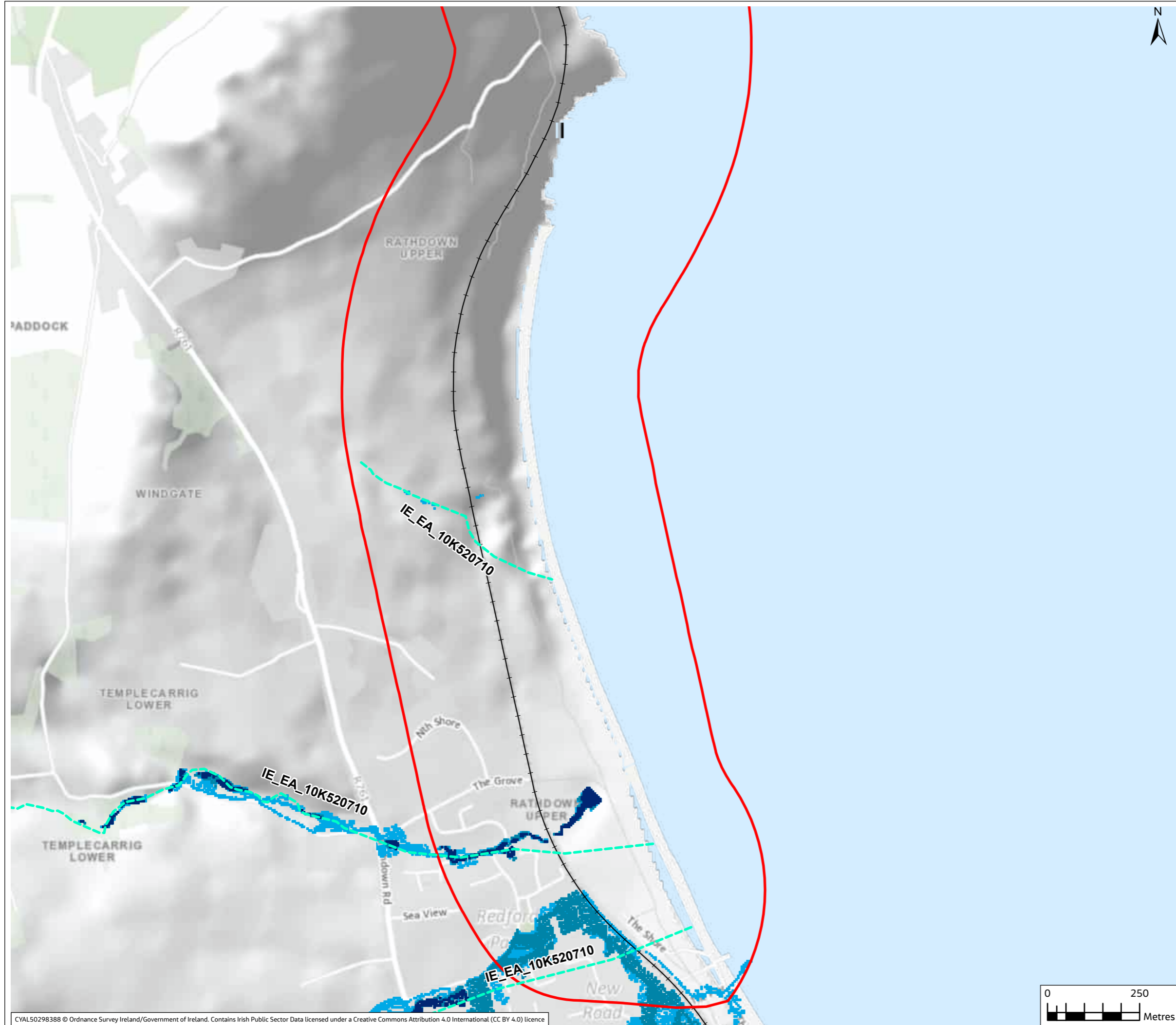
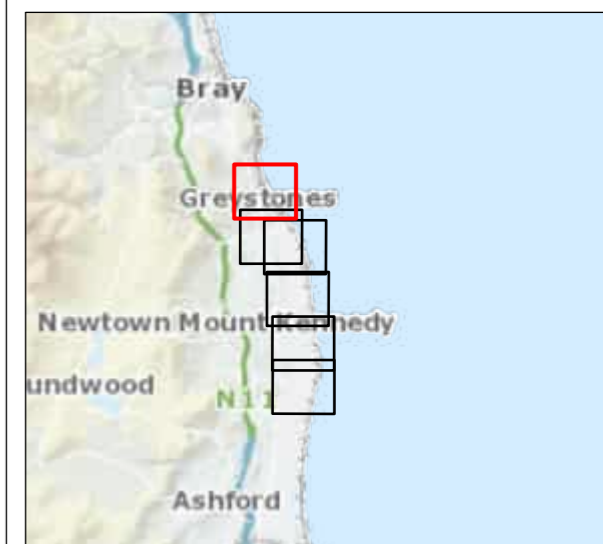


FIGURE 4.4

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.4  
CCA6.1 - Environmental Constraints  
Fluvial Mid-Range Future Flood Extents  
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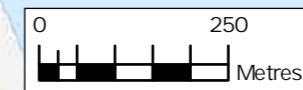
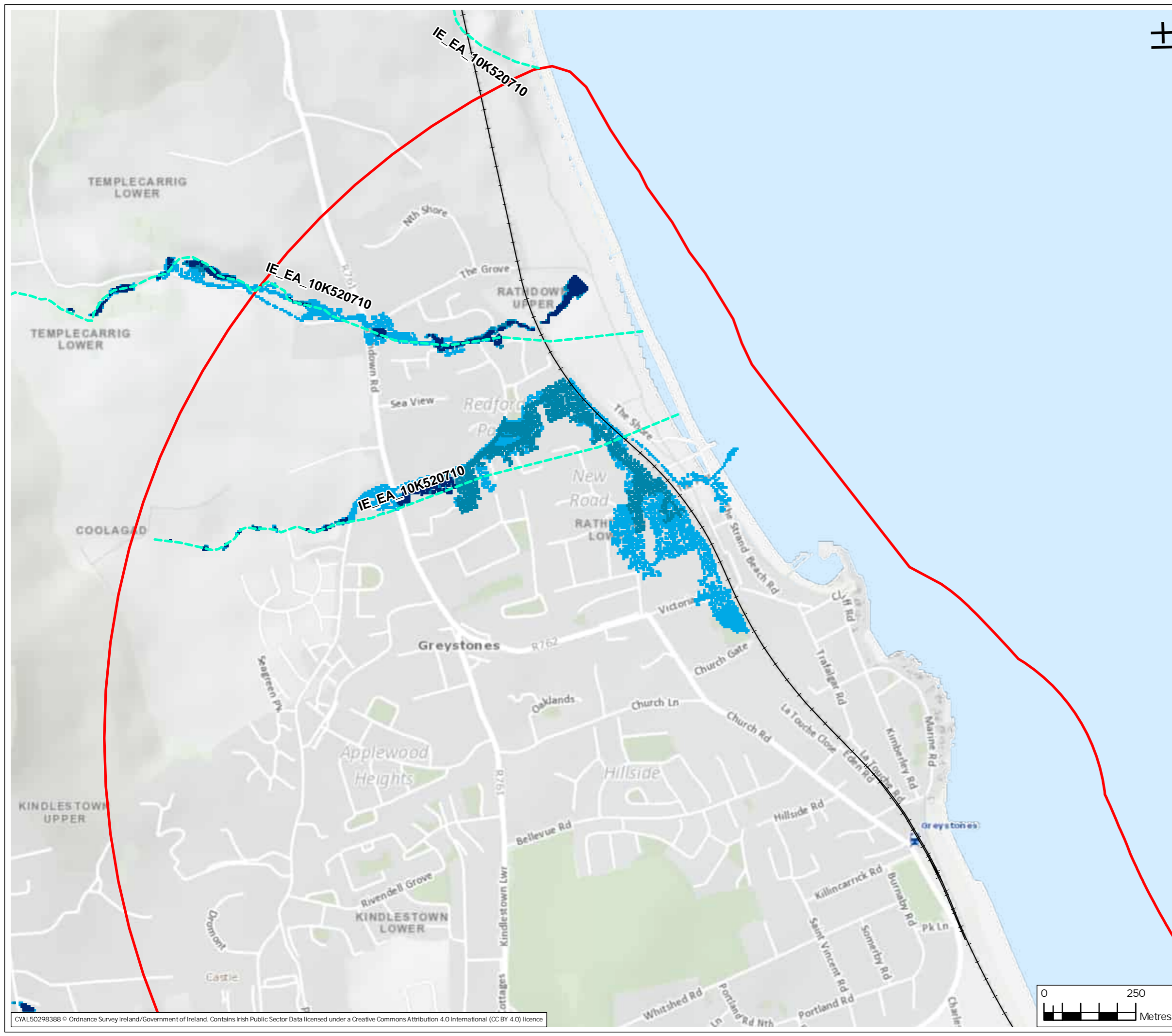


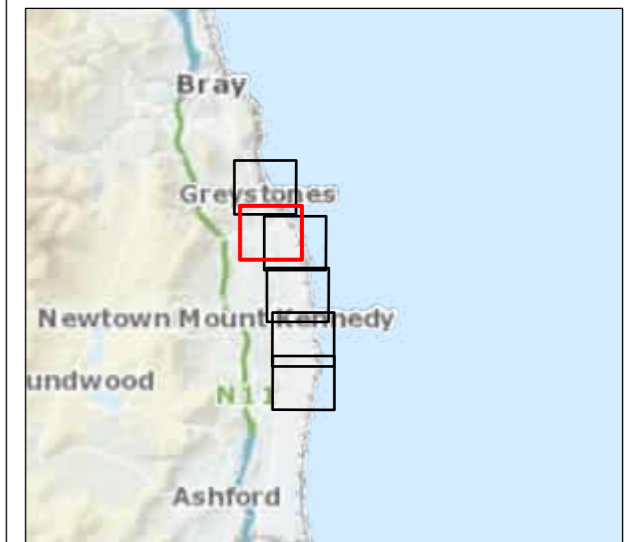
FIGURE 4.4

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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 CCA6.1 - Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
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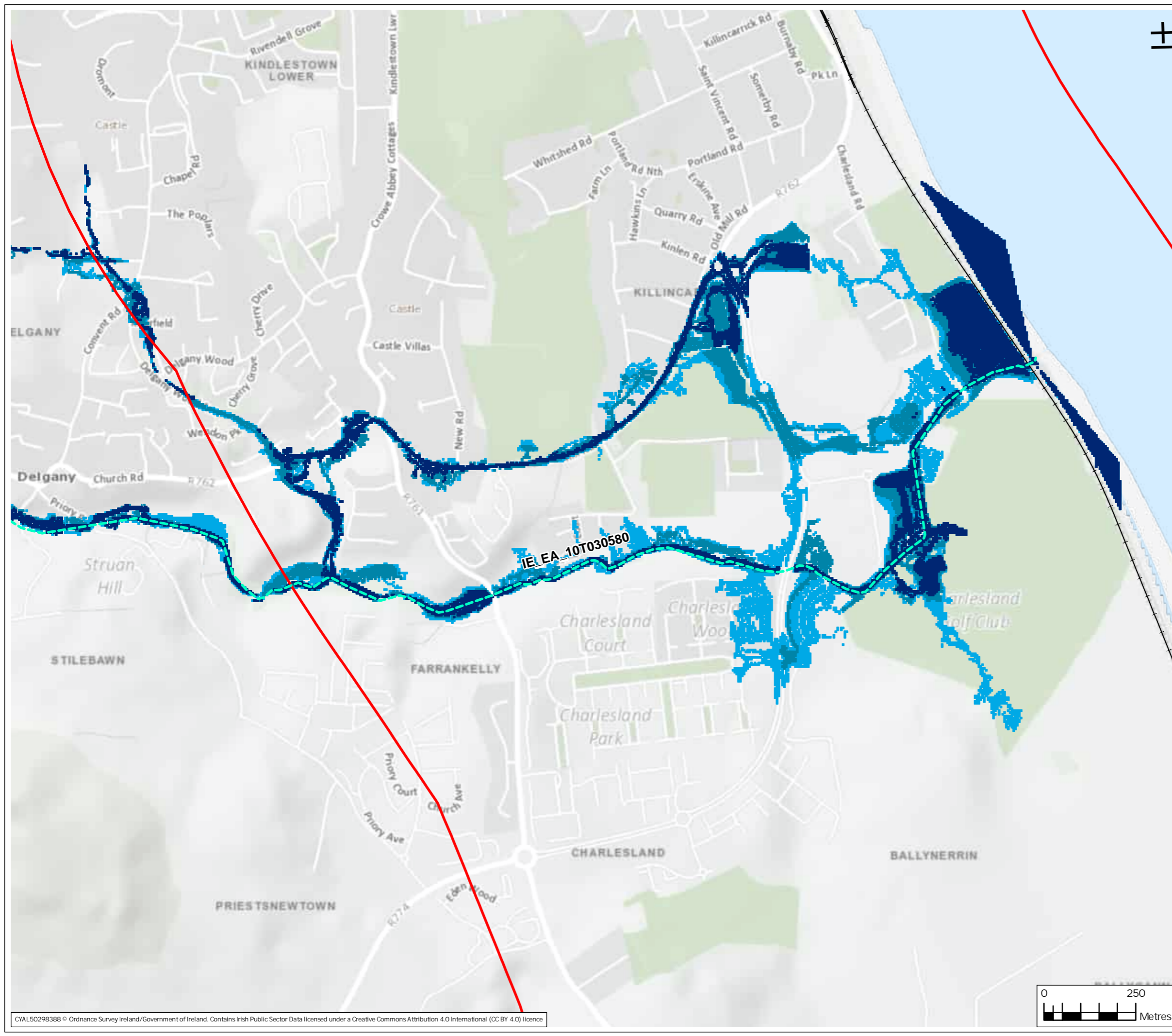


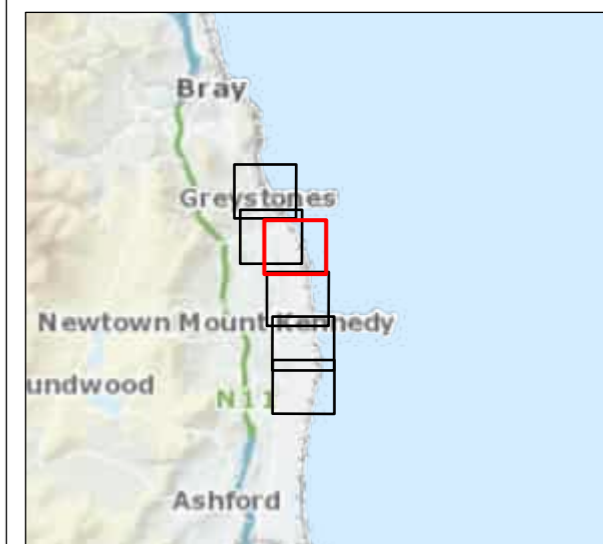
FIGURE 4.4

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title  
 Figure 4.4  
 CCA6.1 - Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
 (Page 3 of 6)

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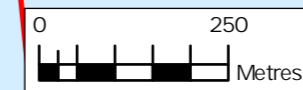
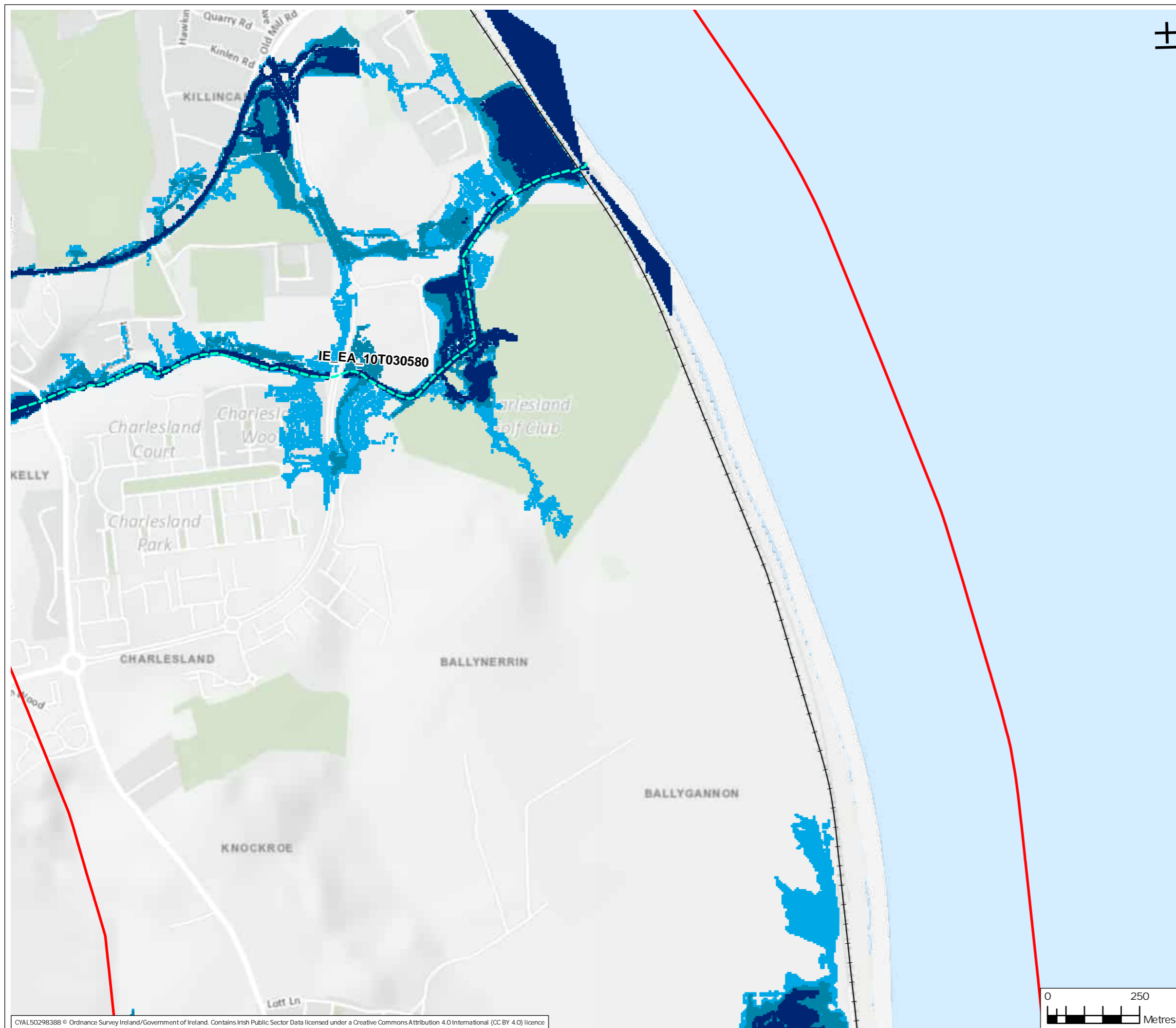
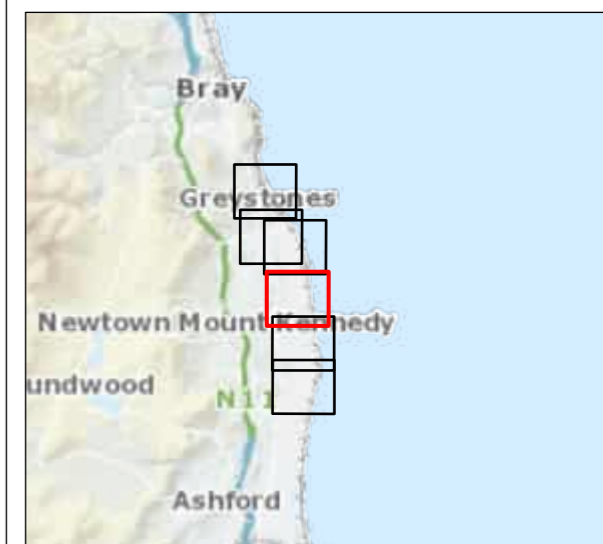


FIGURE 4.4

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.4  
 CCA6.1 - Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
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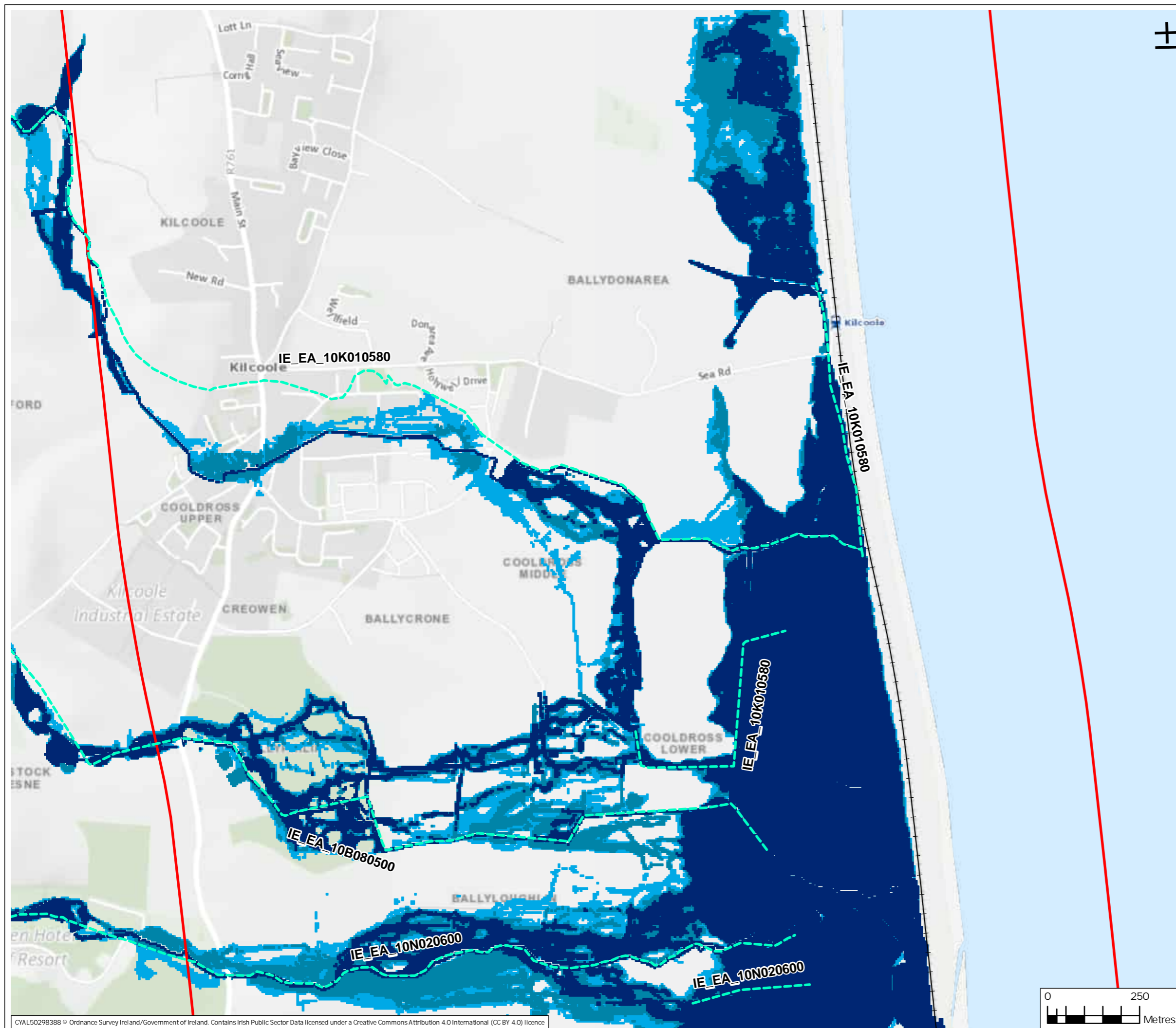
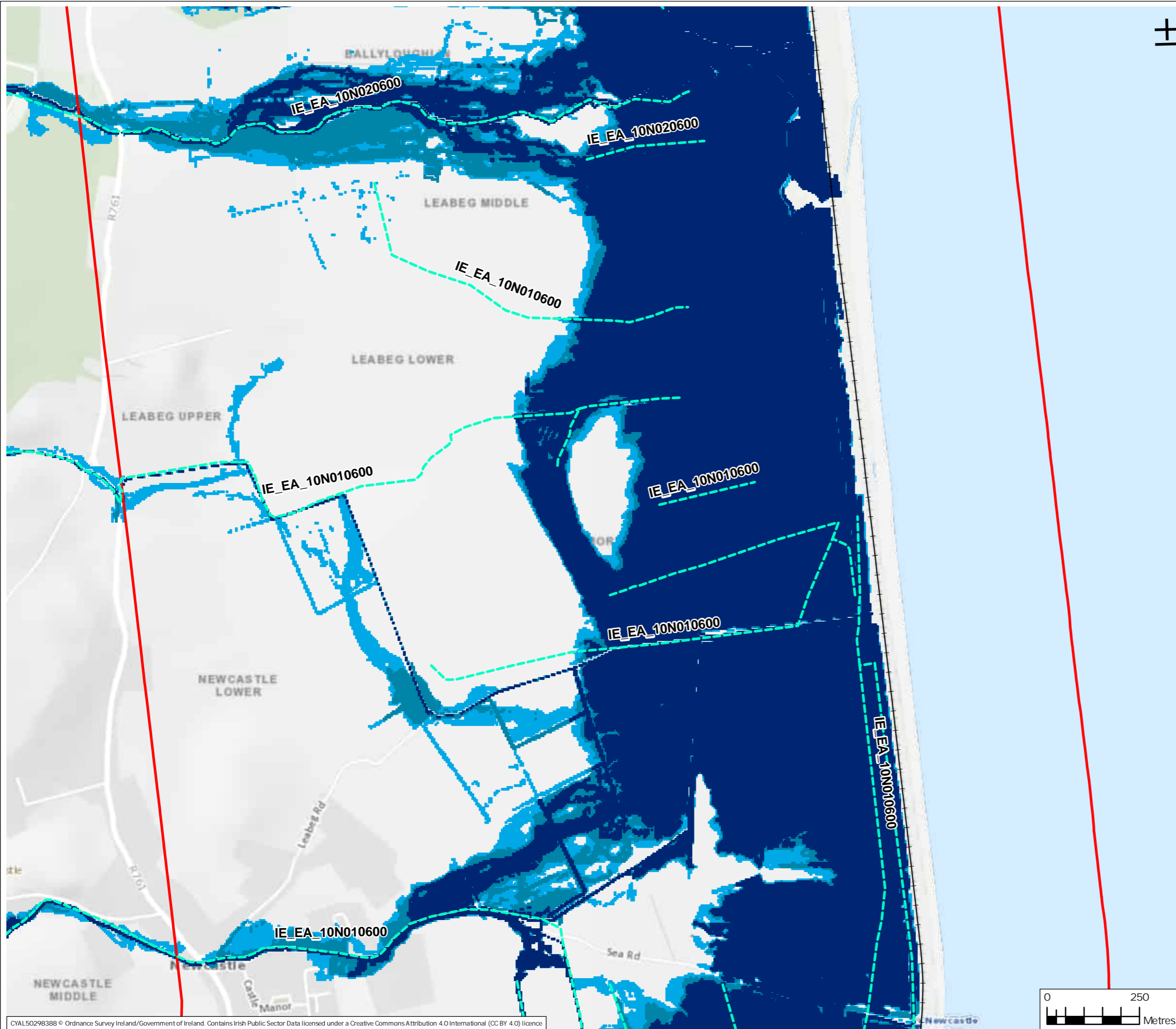
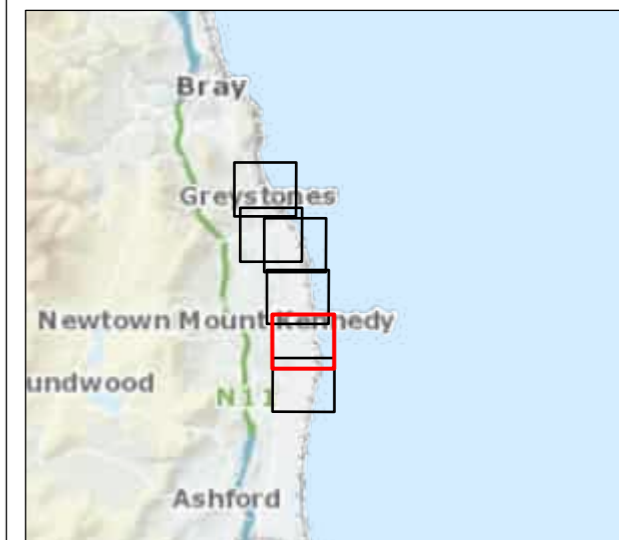


FIGURE 4.4



- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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Figure 4.4  
CCA6.1 - Environmental Constraints  
Fluvial Mid-Range Future Flood Extents  
(Page 5 of 6)

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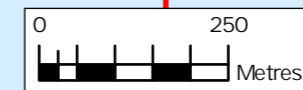


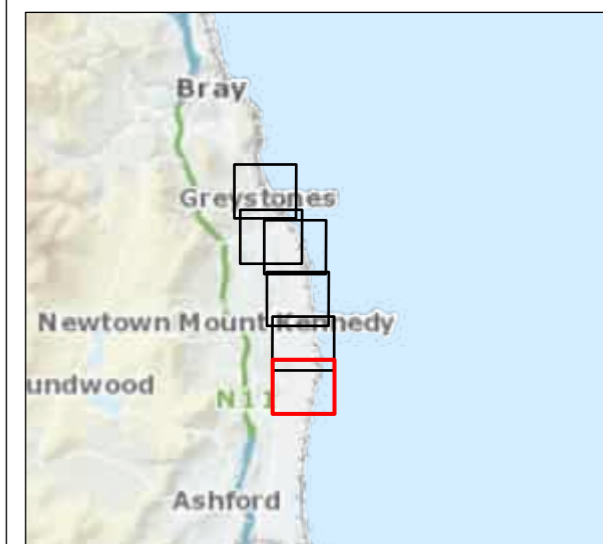
FIGURE 4.4

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Figure 4.4  
CCA6.1 - Environmental Constraints  
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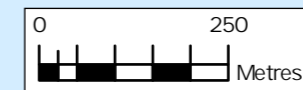
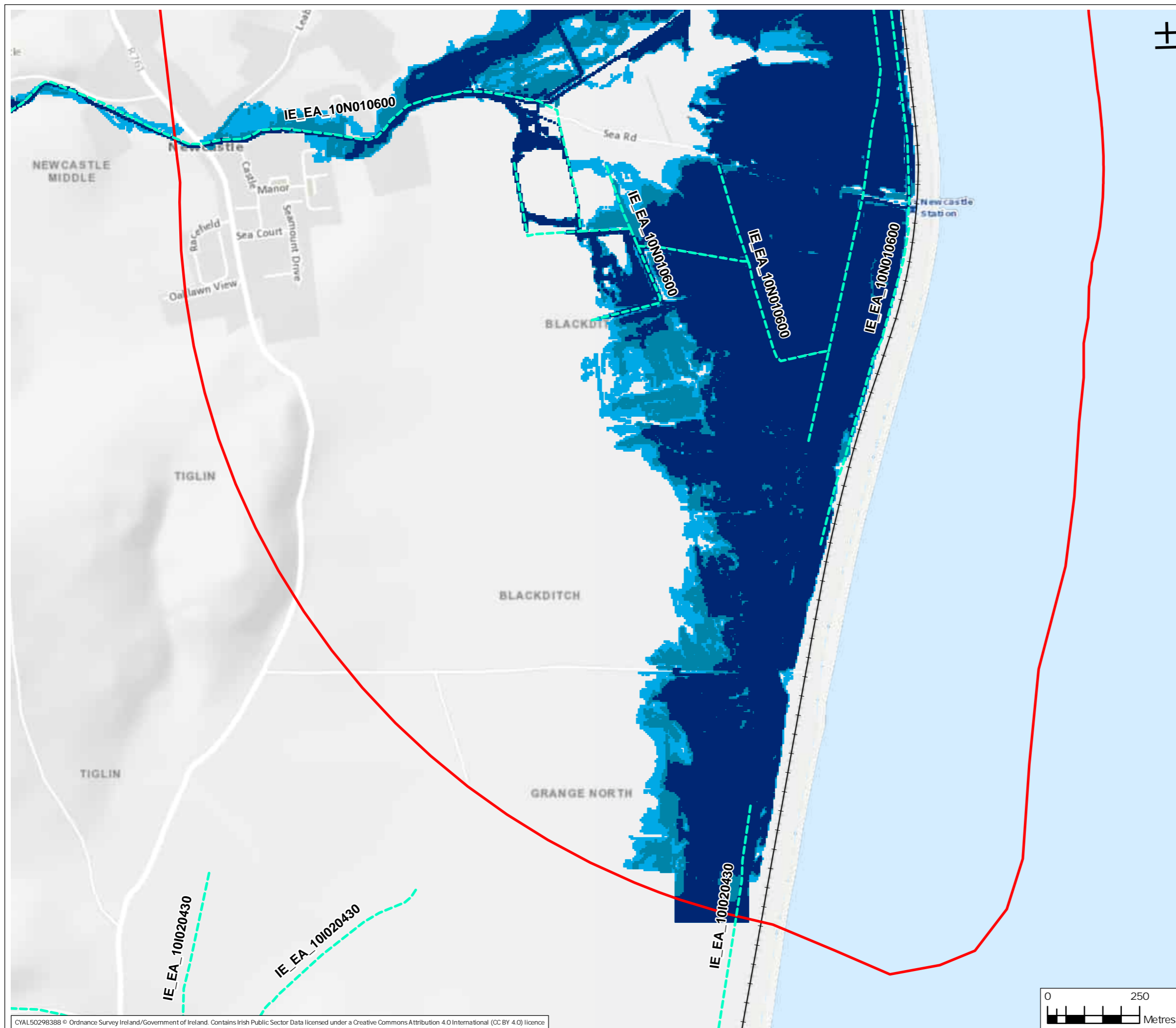
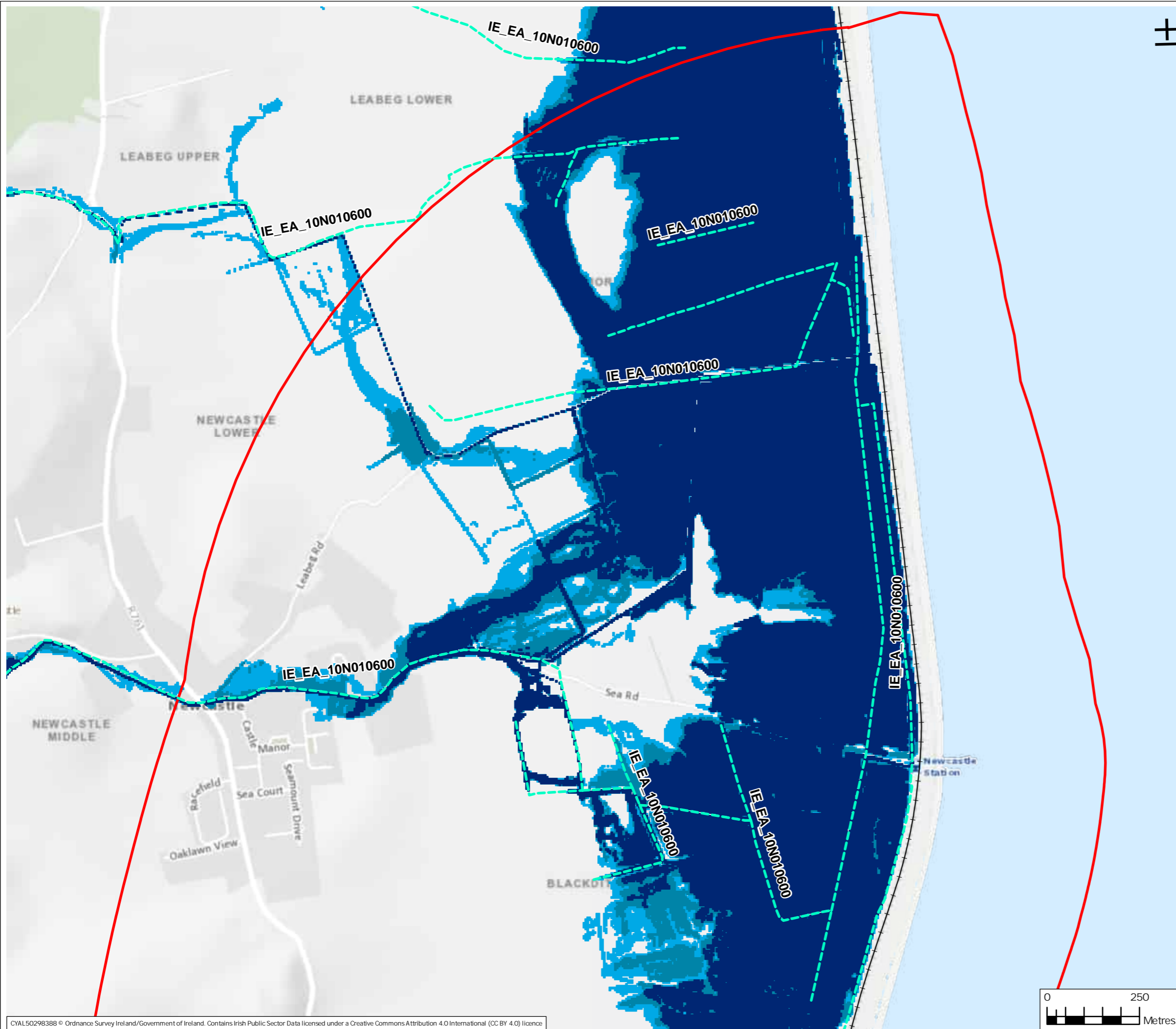
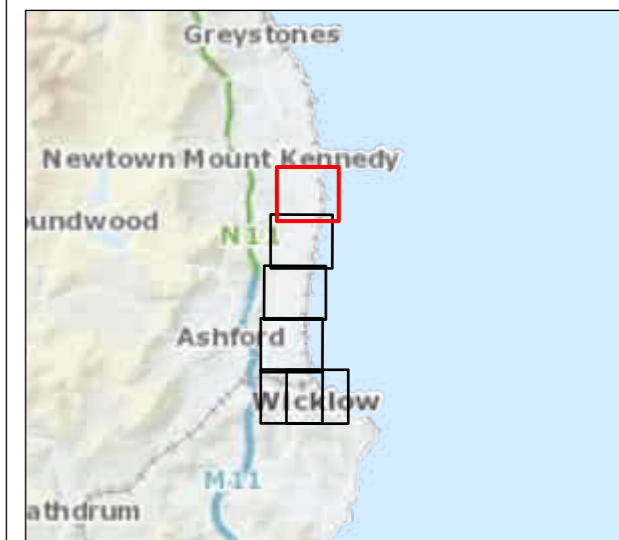




FIGURE 4.4



- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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 CCA6.2- Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
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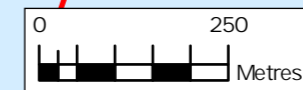
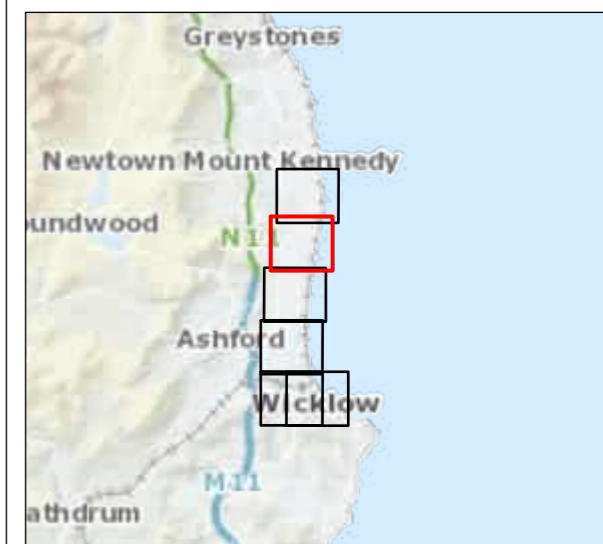


FIGURE 4.4

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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 CCA6.2- Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
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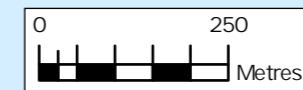
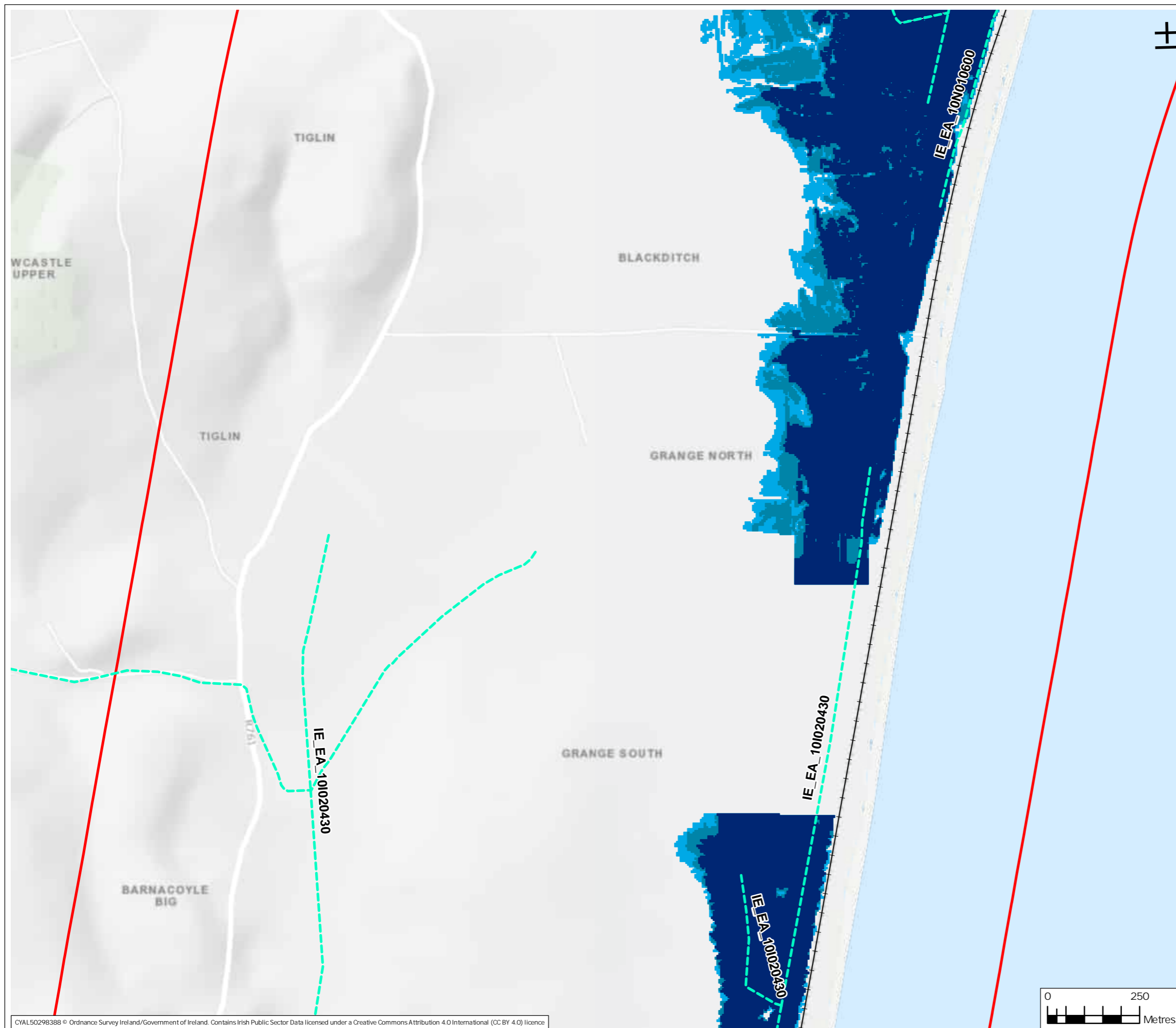
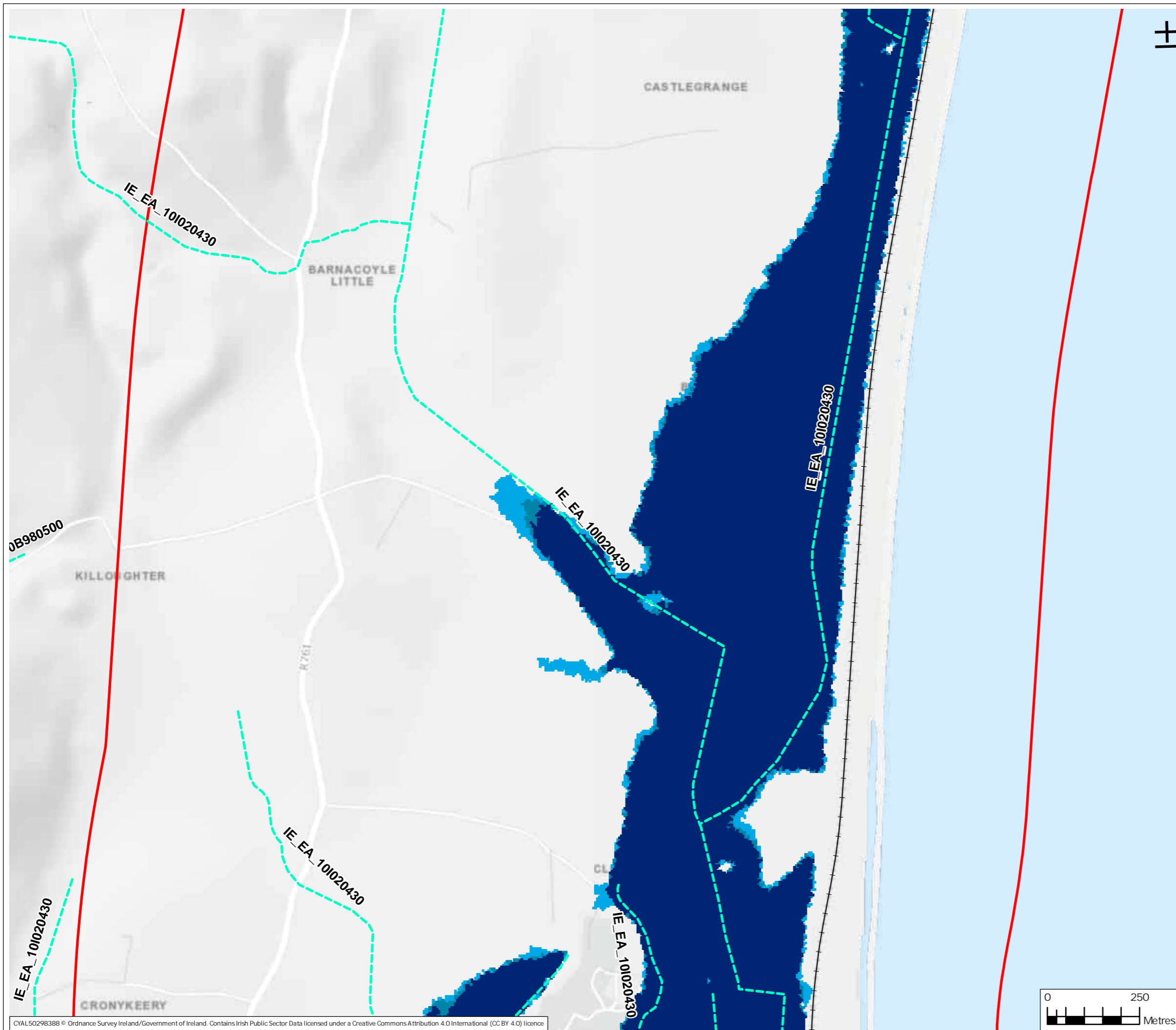
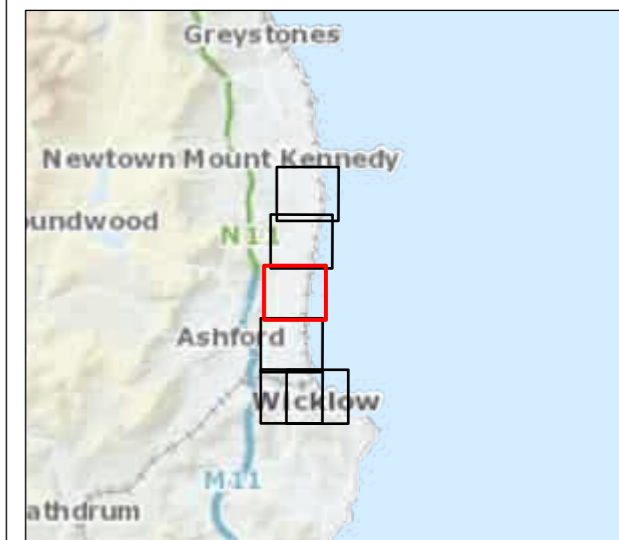


FIGURE 4.4



- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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 CCA6.2- Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
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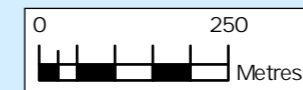


FIGURE 4.4

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Rivers
- Fluvial Mid-Range Future Flood Extents**
- Low Propability
  - Medium Propability
  - High Propability



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 CCA6.2- Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
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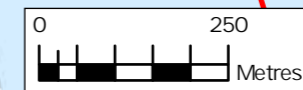
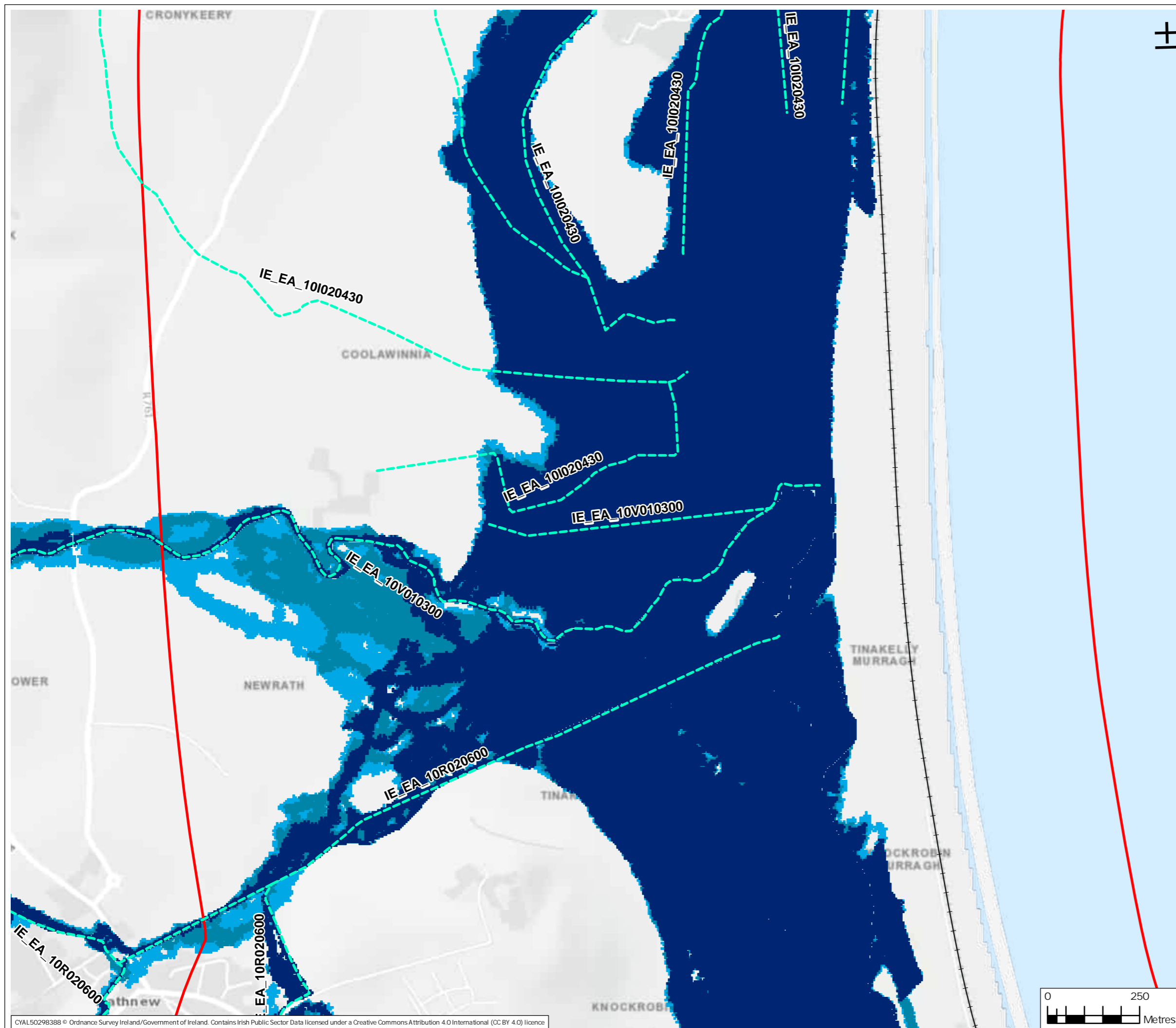


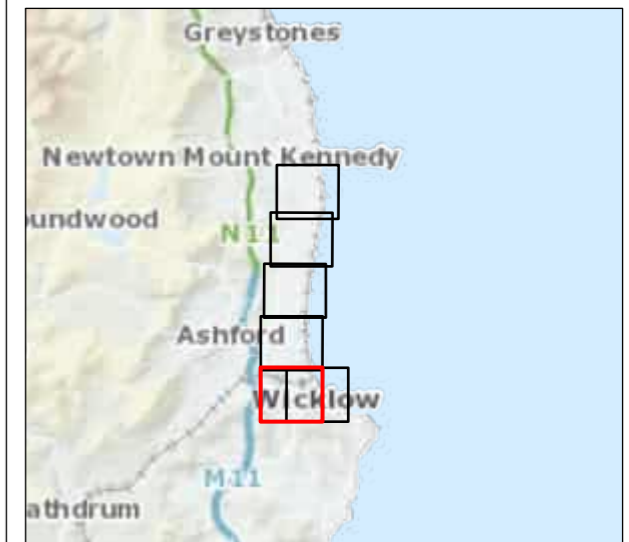
FIGURE 4.4

Legend

- CCA6.2 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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 CCA6.2- Environmental Constraints  
 Fluvial Mid-Range Future Flood Extents  
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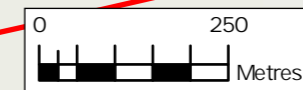
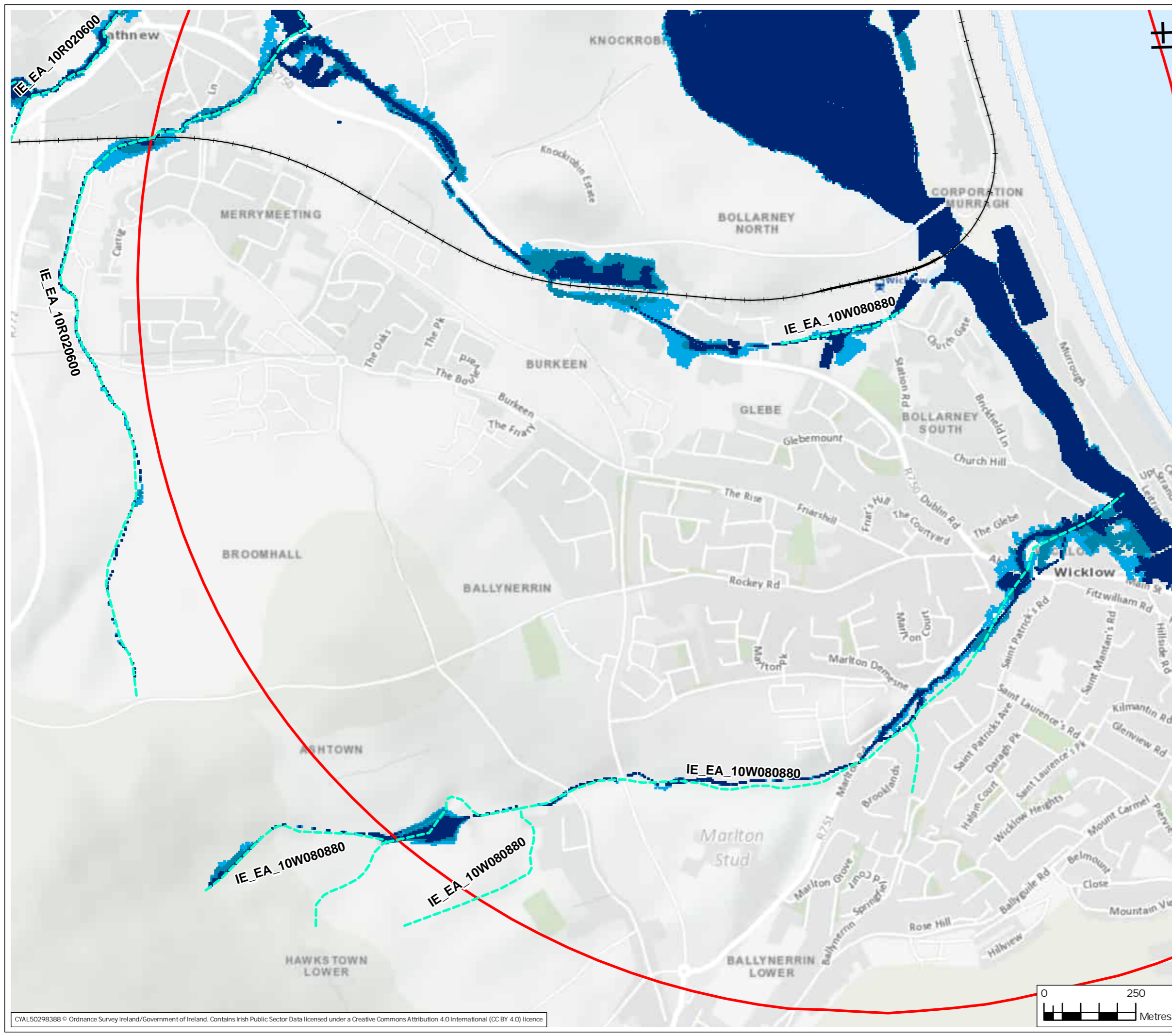


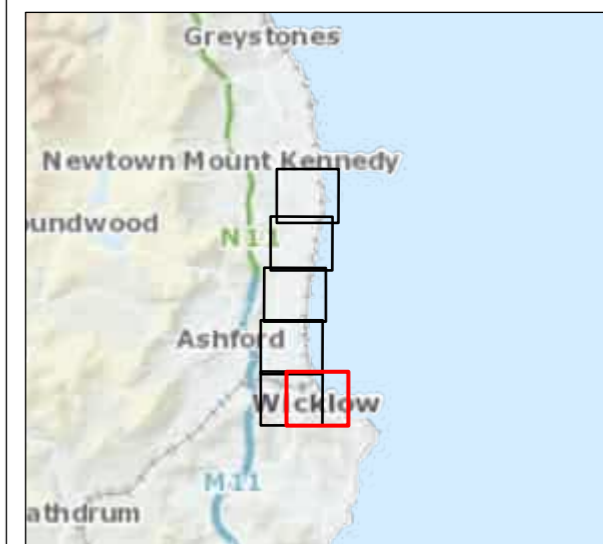
FIGURE 4.4

Legend

- CCA6.2 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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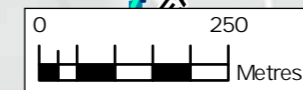
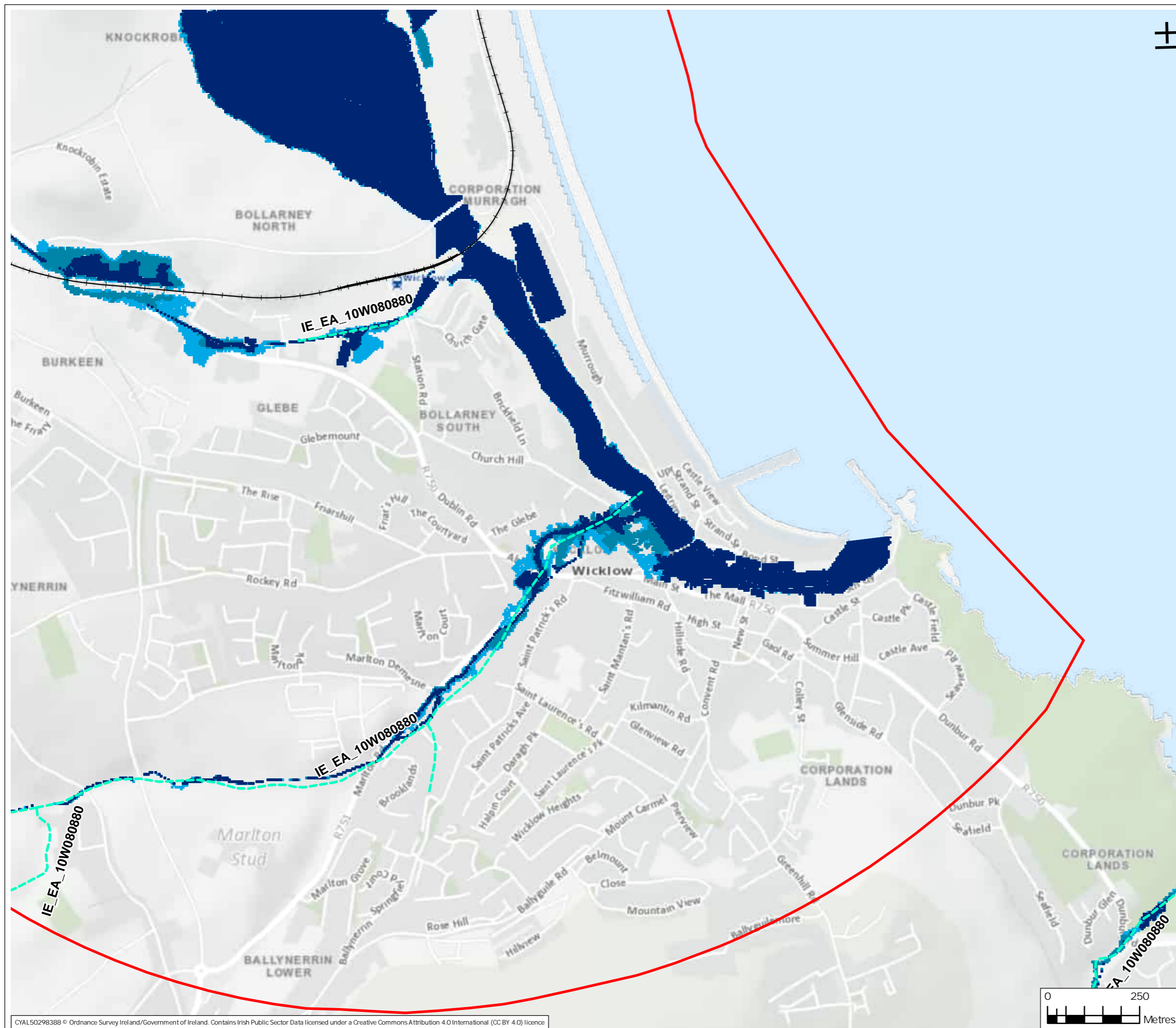
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 CCA6.2- Environmental Constraints  
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**FIGURE 4.5**

**Legend**

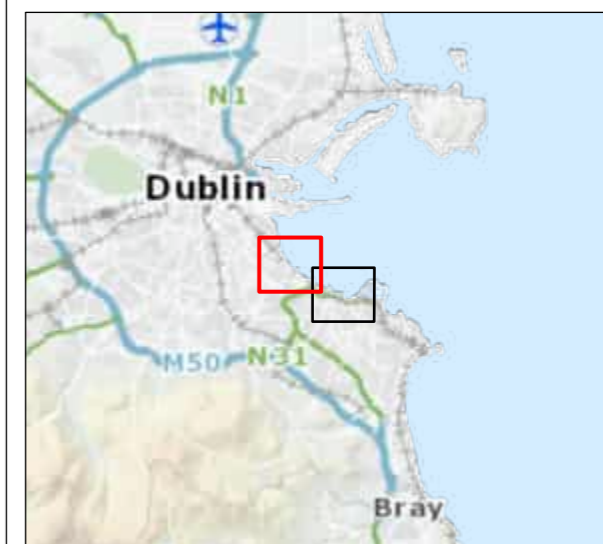
- CCA1 Study Area
- Railway Network Centreline

**Water Framework Directive Status - Rivers**

- Poor

**Water Framework Directive Status - Coastal**

- Good



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Drawing Title

Figure 4.5  
CCA1- Environmental Constraints - Water Framework Directive  
Waterbody Status  
(Page 1 of 2)

Drawing Status

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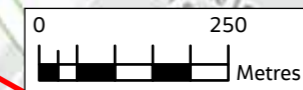
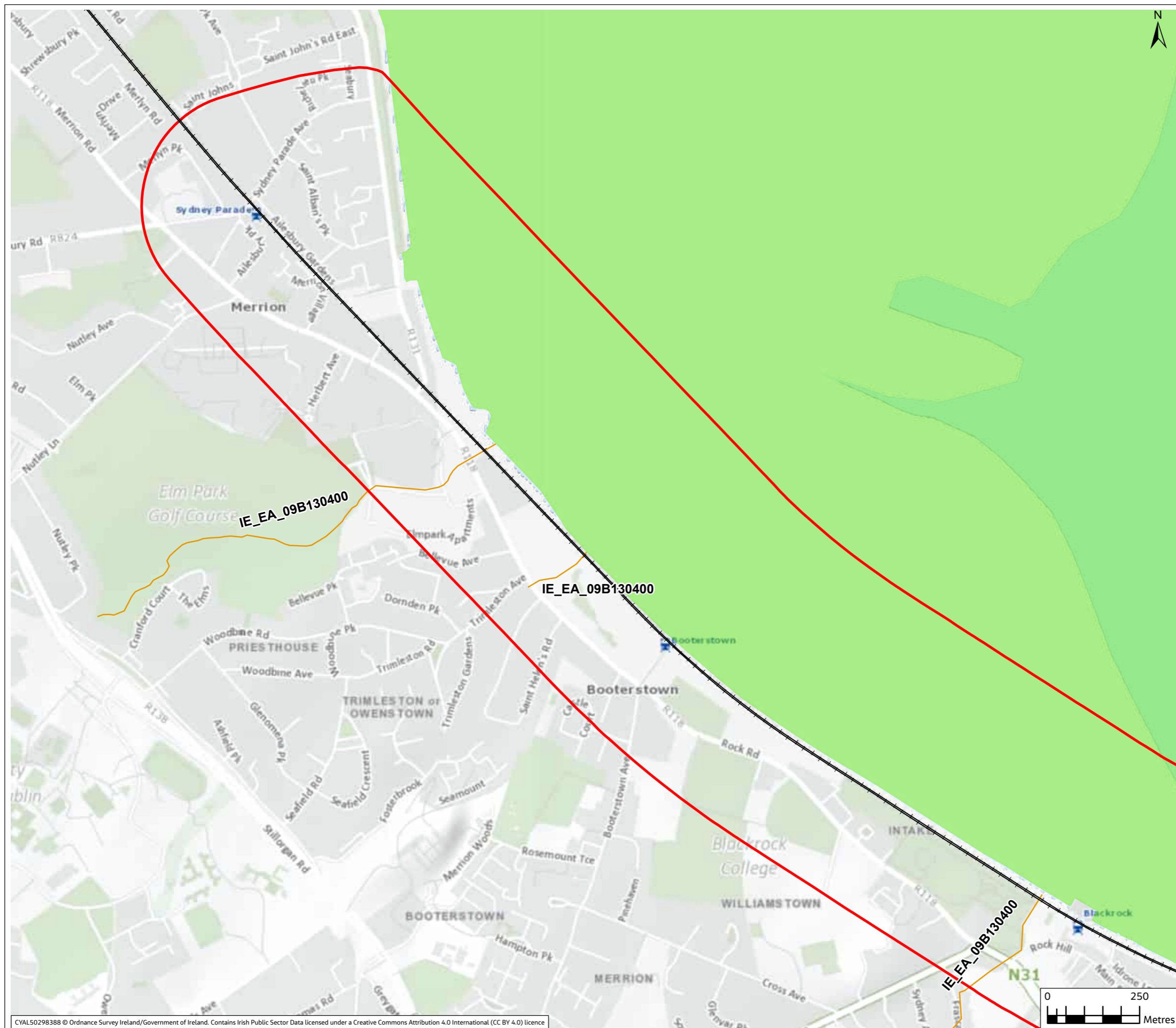
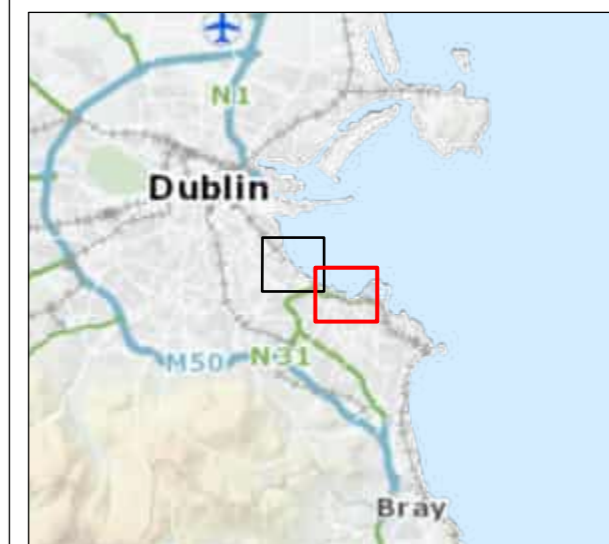


FIGURE 4.5

Legend

- CCA1 Study Area
- Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Poor
- Water Framework Directive Status - Coastal**
- Good



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 CCA1- Environmental Constraints - Water Framework Directive  
 Waterbody Status  
 (Page 2 of 2)

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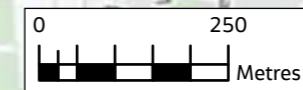
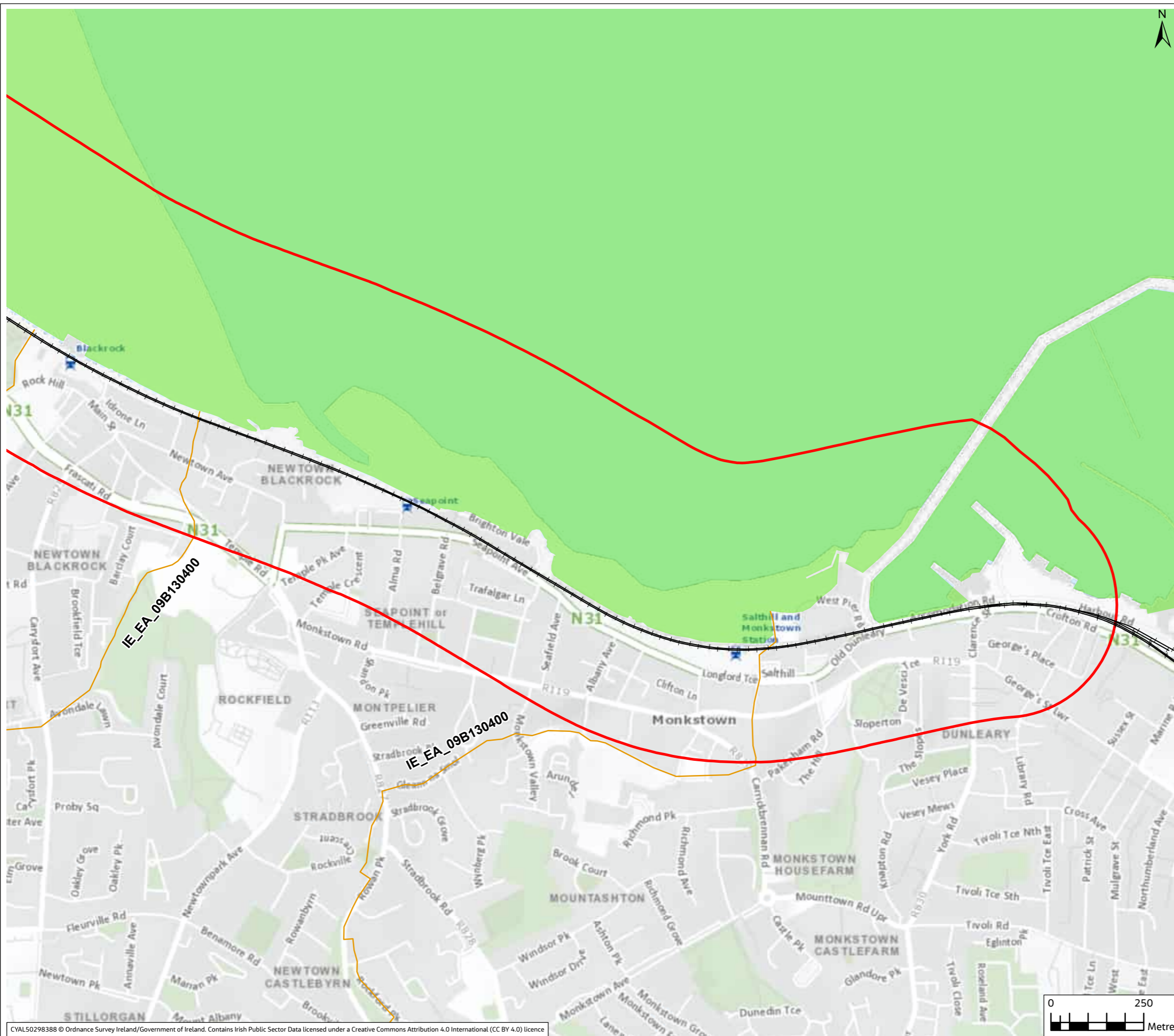
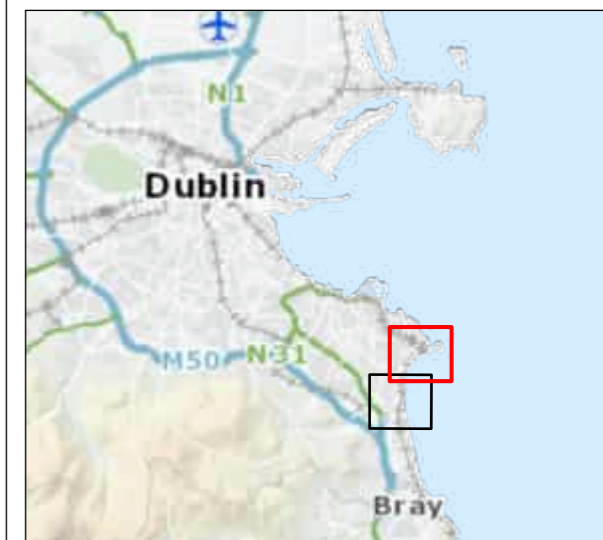
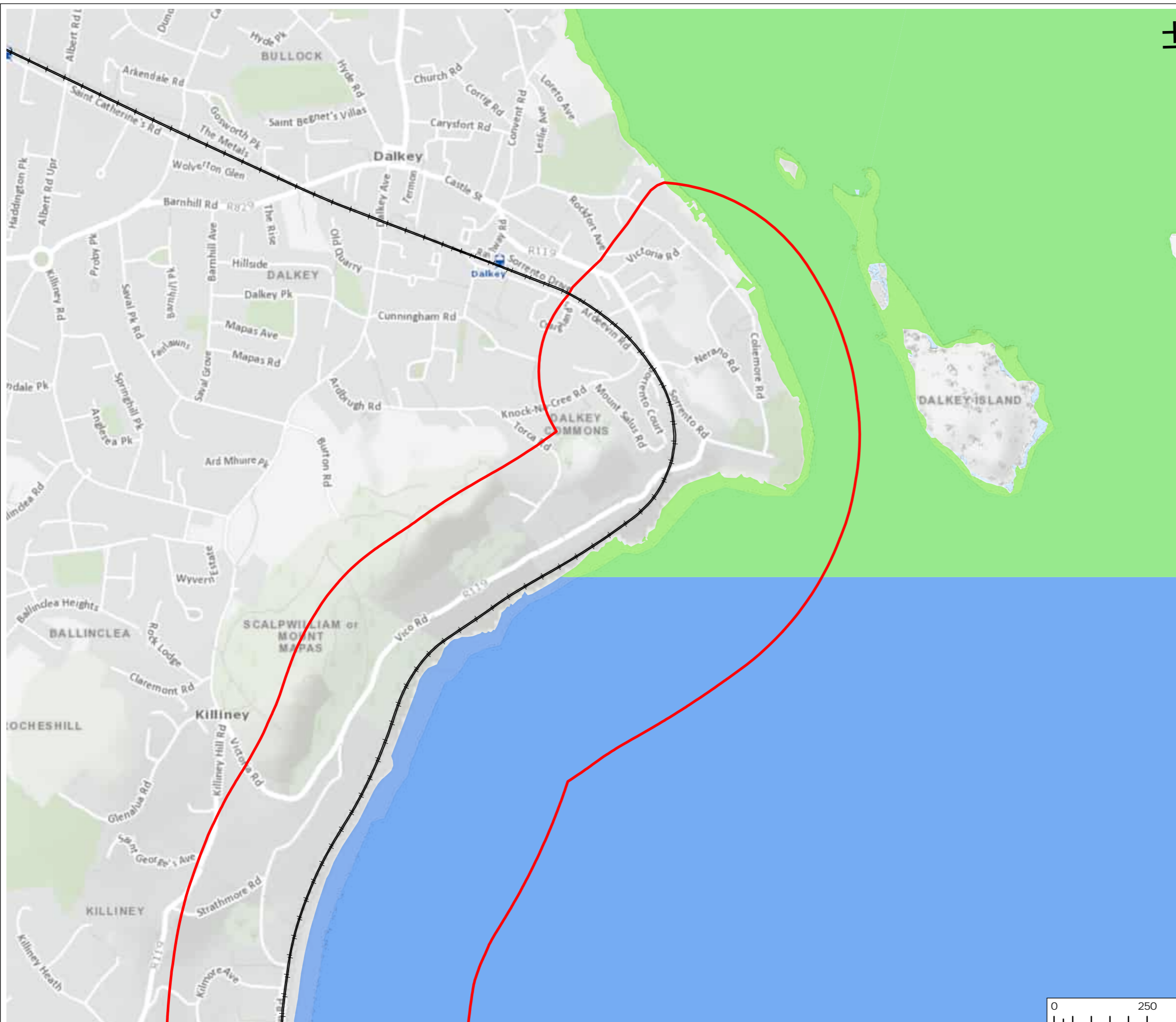




FIGURE 4.5

Legend

- CCA2-3 Study Area
  - Railway Network Centreline
- Water Framework Directive Status - Coastal**
- High
  - Good



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Drawing Title

Figure 4.5  
CCA2-3- Environmental Constraints - Water Framework Directive  
Waterbody Status  
(Page 1 of 2)

Drawing Status

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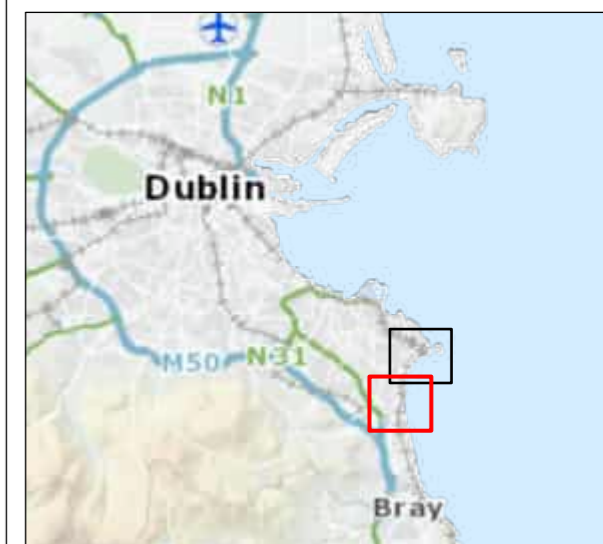
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FIGURE 4.5

Legend

- CCA2-3 Study Area
  - Railway Network Centreline
- Water Framework Directive Status - Rivers
- Good
  - Poor
- Water Framework Directive Status - Coastal
- High



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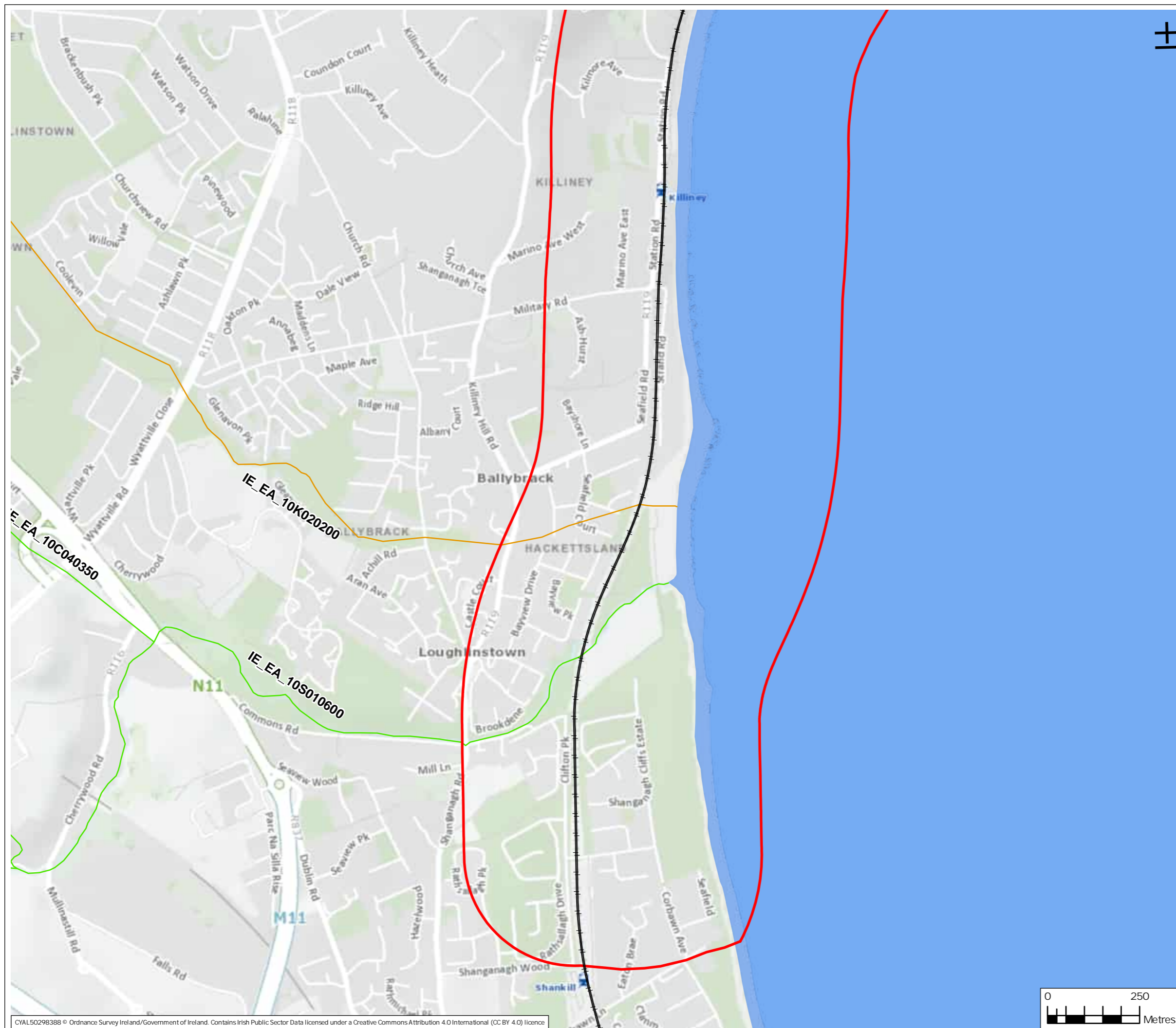
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Drawing Title  
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 CCA2-3- Environmental Constraints - Water Framework Directive  
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**FIGURE 4.5**

**Legend**

- CCA5 Study Area
  - Railway Network Centreline
- Water Framework Directive Status - Coastal**
- High



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**Figure 4.5  
 CCA5- Environmental Constraints - Water Framework Directive  
 Waterbody Status  
 (Page 1 of 2)**

Drawing Status

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**FIGURE 4.5**

**Legend**

- CCA5 Study Area
- Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Good
- Water Framework Directive Status - Coastal**
- High



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Drawing Title

Figure 4.5  
 CCA5- Environmental Constraints - Water Framework Directive  
 Waterbody Status  
 (Page 2 of 2)

Drawing Status

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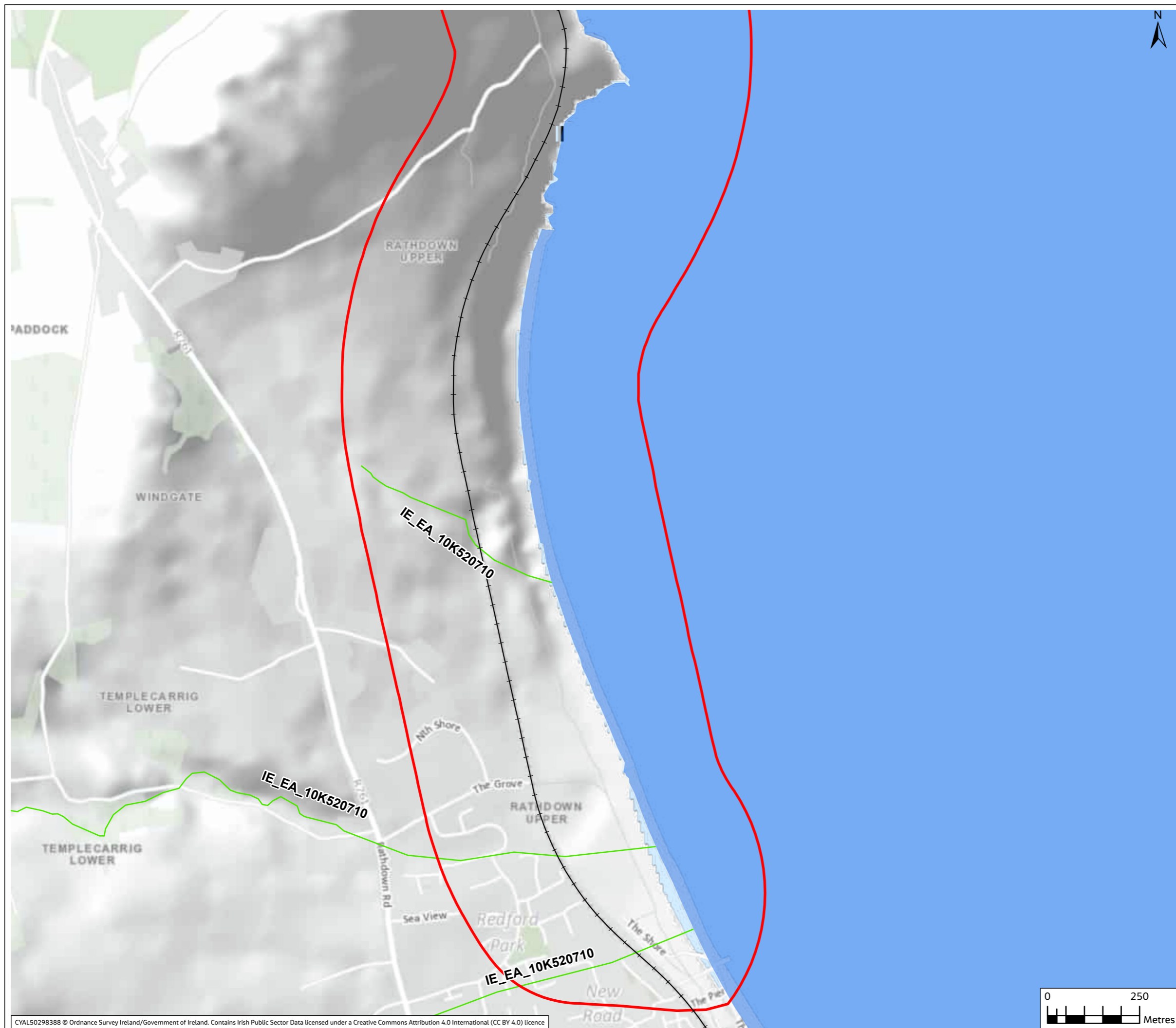
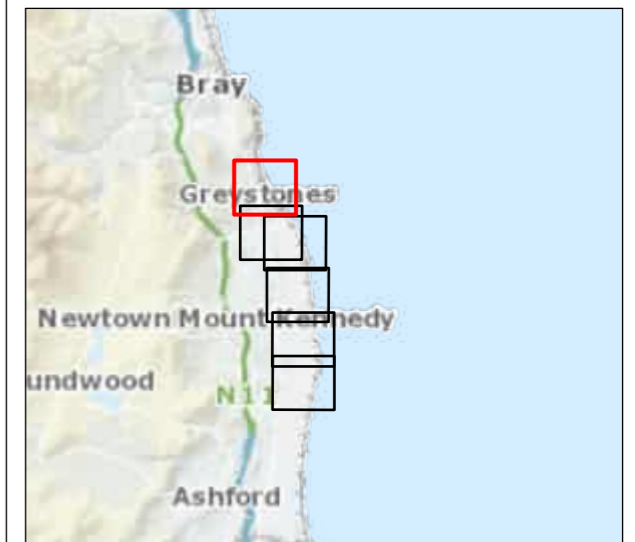


FIGURE 4.5

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Good
- Water Framework Directive Status - Coastal**
- High



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Drawing Title  
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 CCA6.1- Environmental Constraints - Water Framework Directive  
 Waterbody Status  
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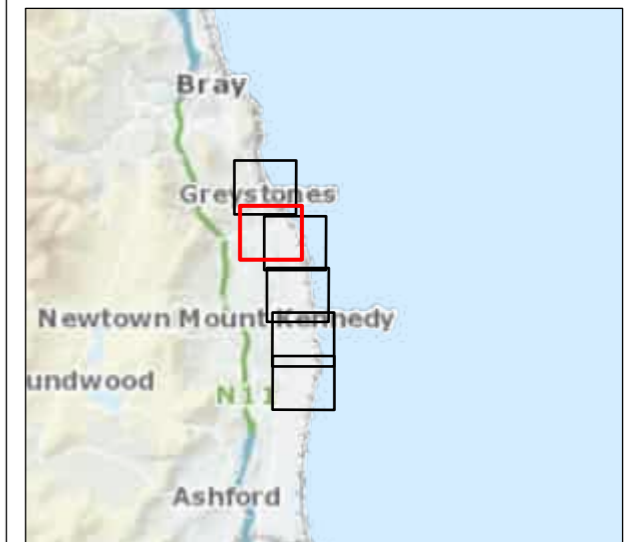
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FIGURE 4.5

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Good
- Water Framework Directive Status - Coastal**
- High



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 CCA6.1- Environmental Constraints - Water Framework Directive  
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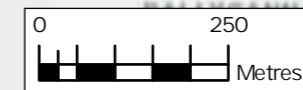
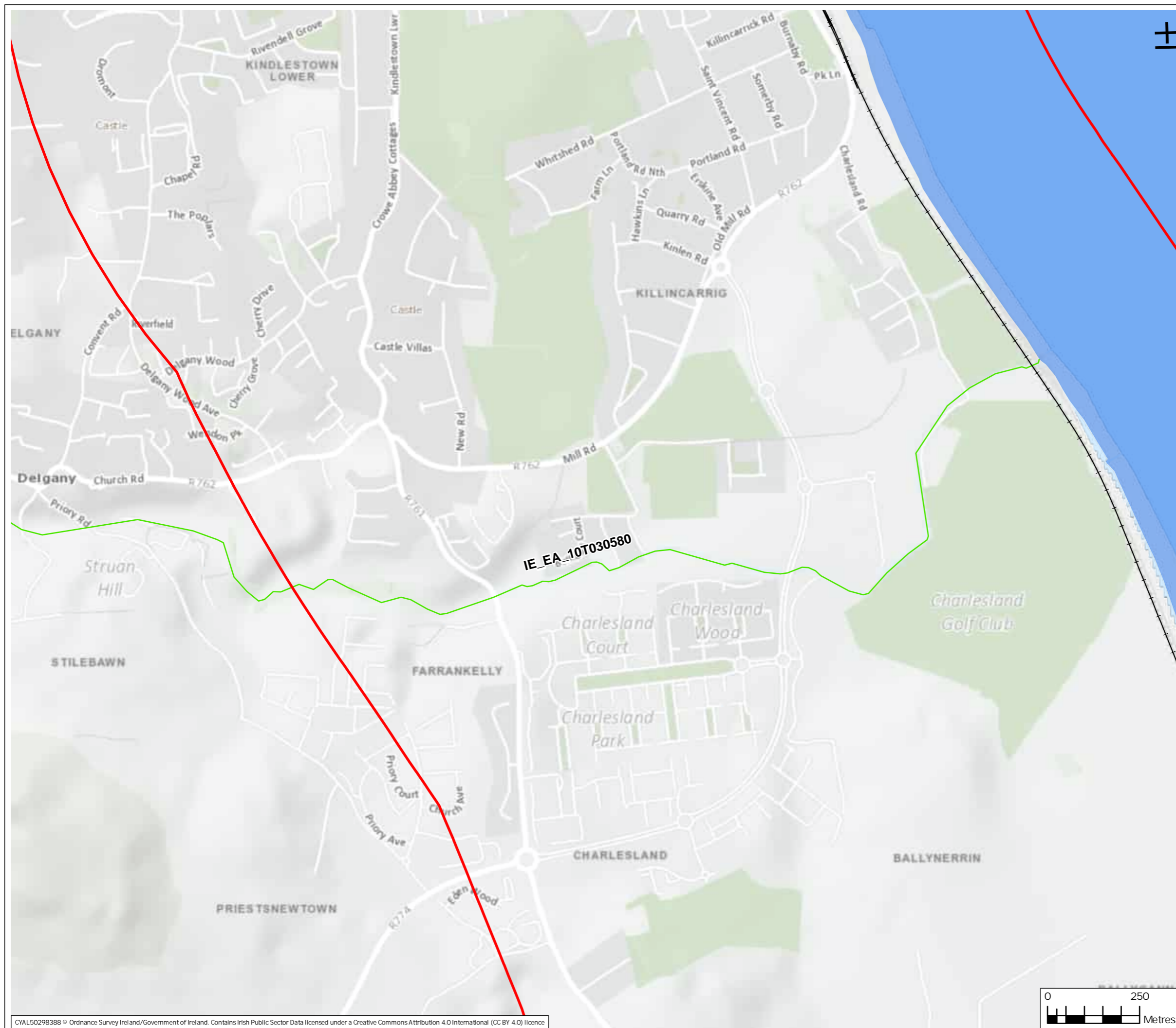
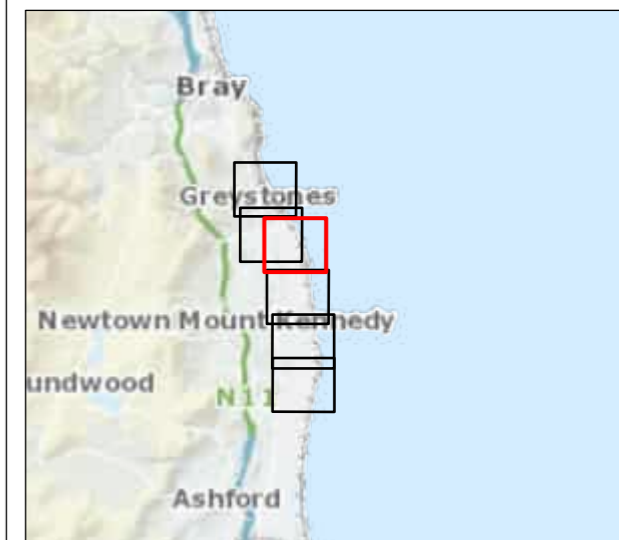


FIGURE 4.5

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Good
- Water Framework Directive Status - Coastal**
- High



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Figure 4.5  
CCA6.1- Environmental Constraints - Water Framework Directive  
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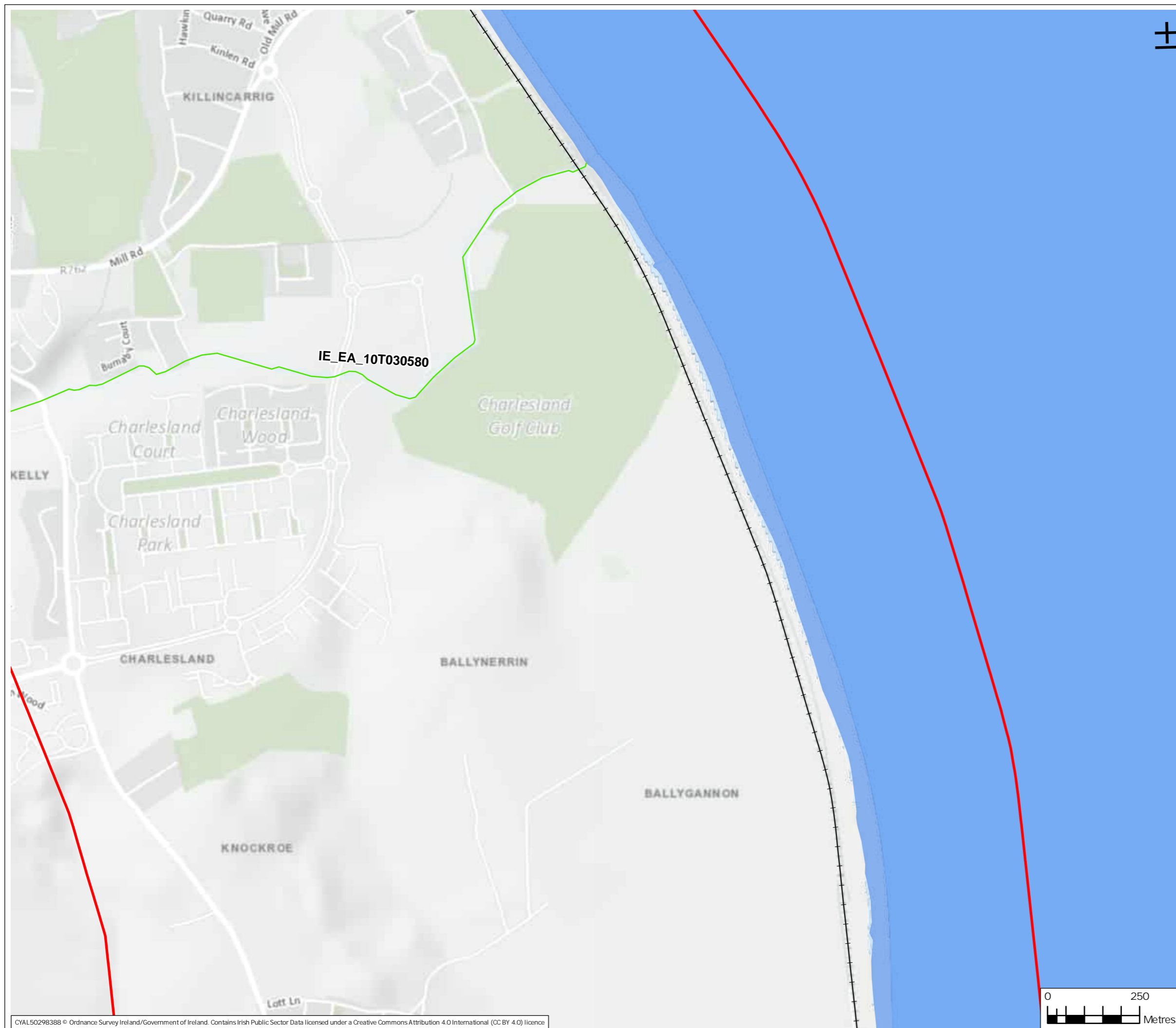
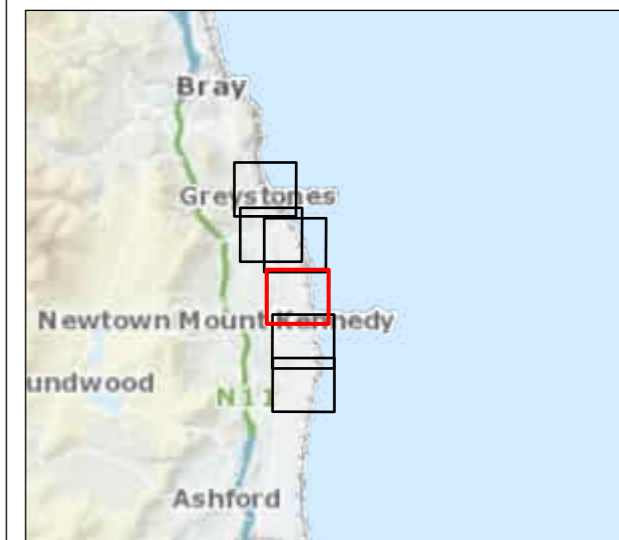


FIGURE 4.5

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
  - Water Framework Directive Status - Rivers**
  - Moderate
  - Poor
  - Water Framework Directive Status - Coastal**
  - High
  - Water Framework Directive Status - Transitional**
  - Moderate



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 CCA6.1- Environmental Constraints - Water Framework Directive  
 Waterbody Status  
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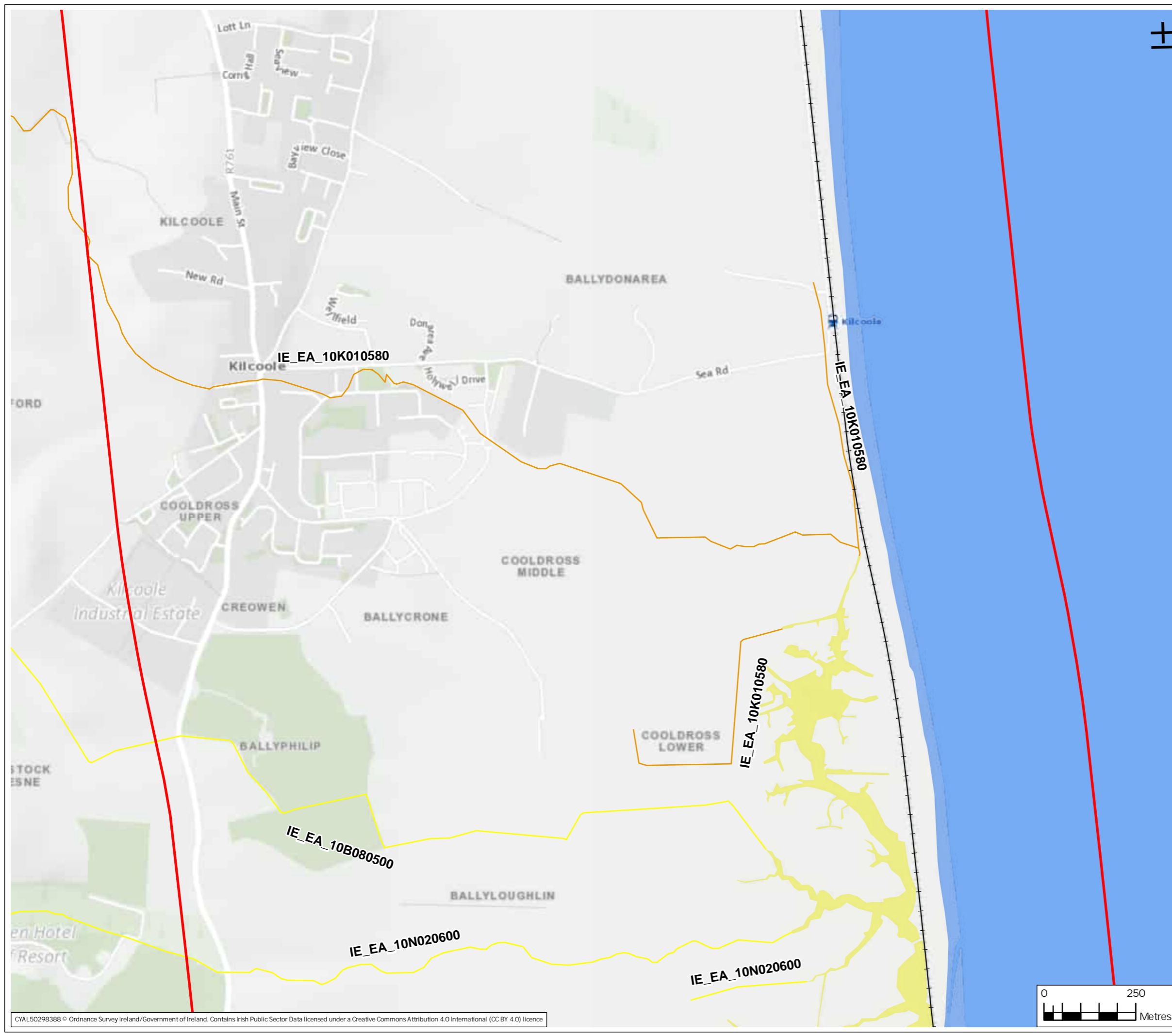
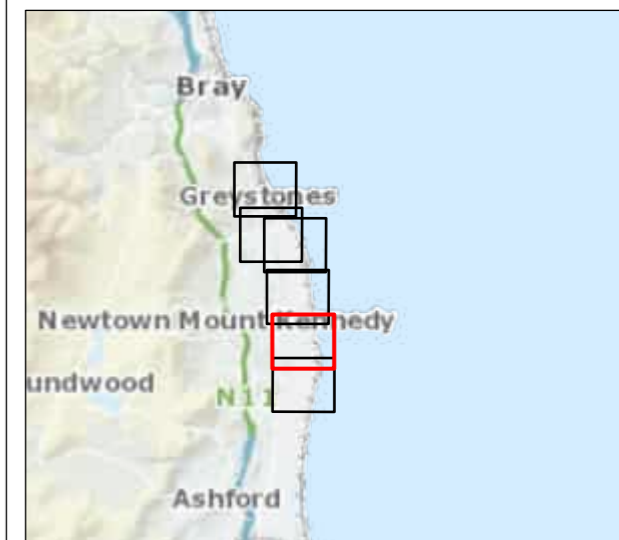




FIGURE 4.5

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
  - Water Framework Directive Status - Rivers**
  - Moderate
  - Poor
  - Water Framework Directive Status - Coastal**
  - High
  - Water Framework Directive Status - Transitional**
  - Moderate



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 Waterbody Status  
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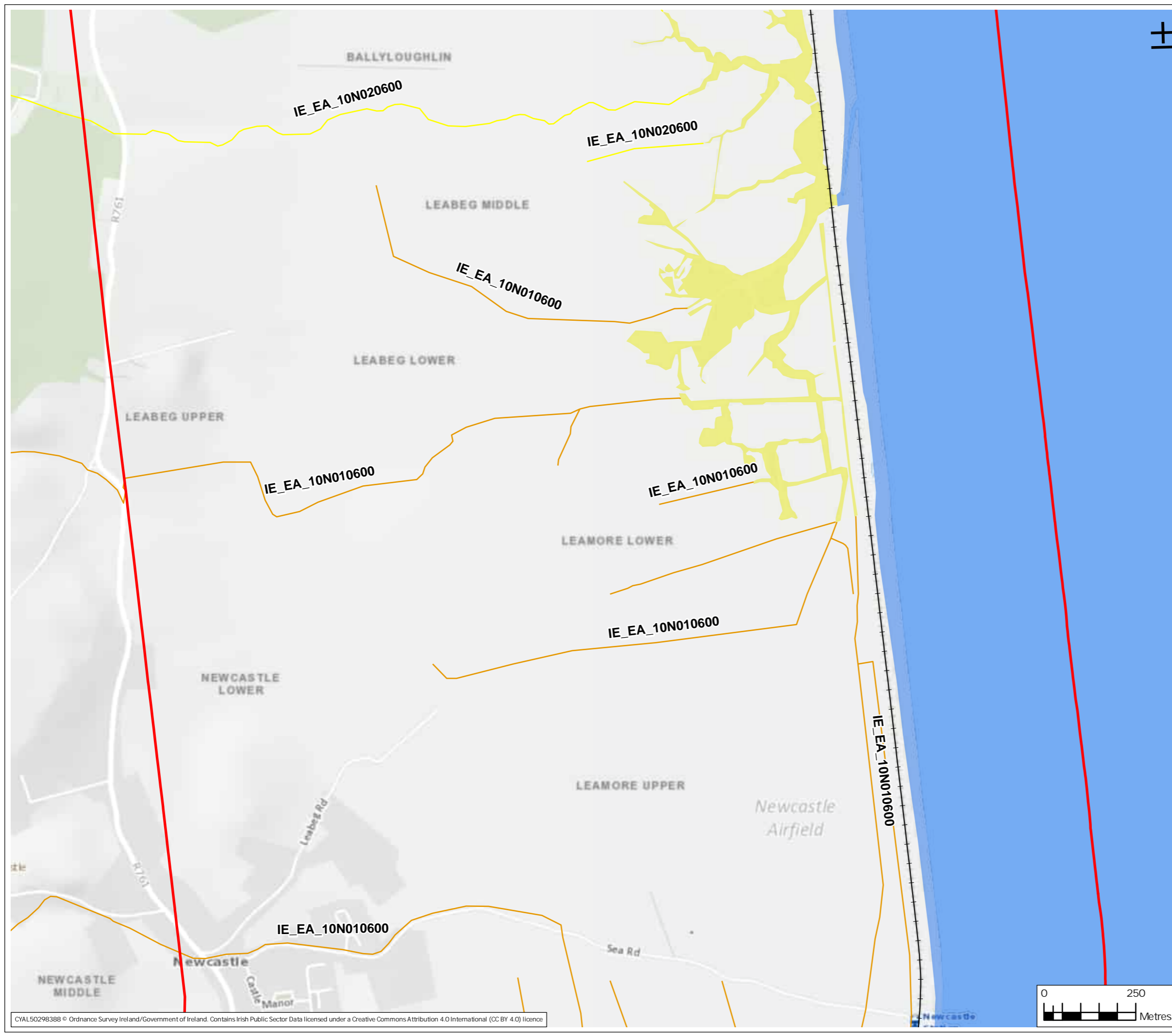
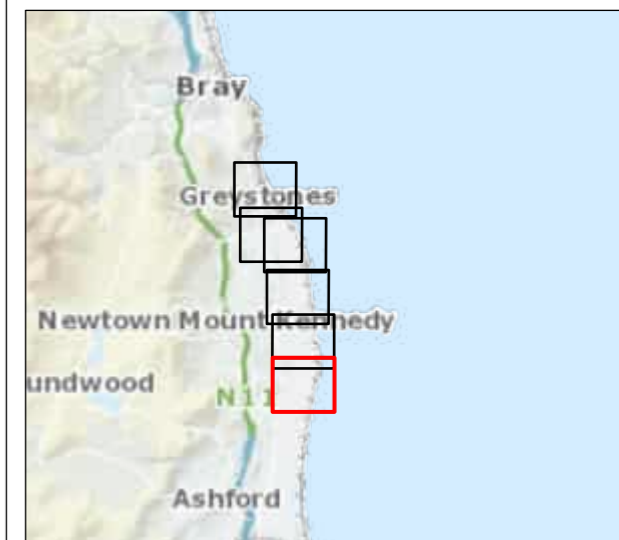


FIGURE 4.5

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Good
  - Poor
- Water Framework Directive Status - Coastal**
- High



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Figure 4.5  
CCA6.1- Environmental Constraints - Water Framework Directive  
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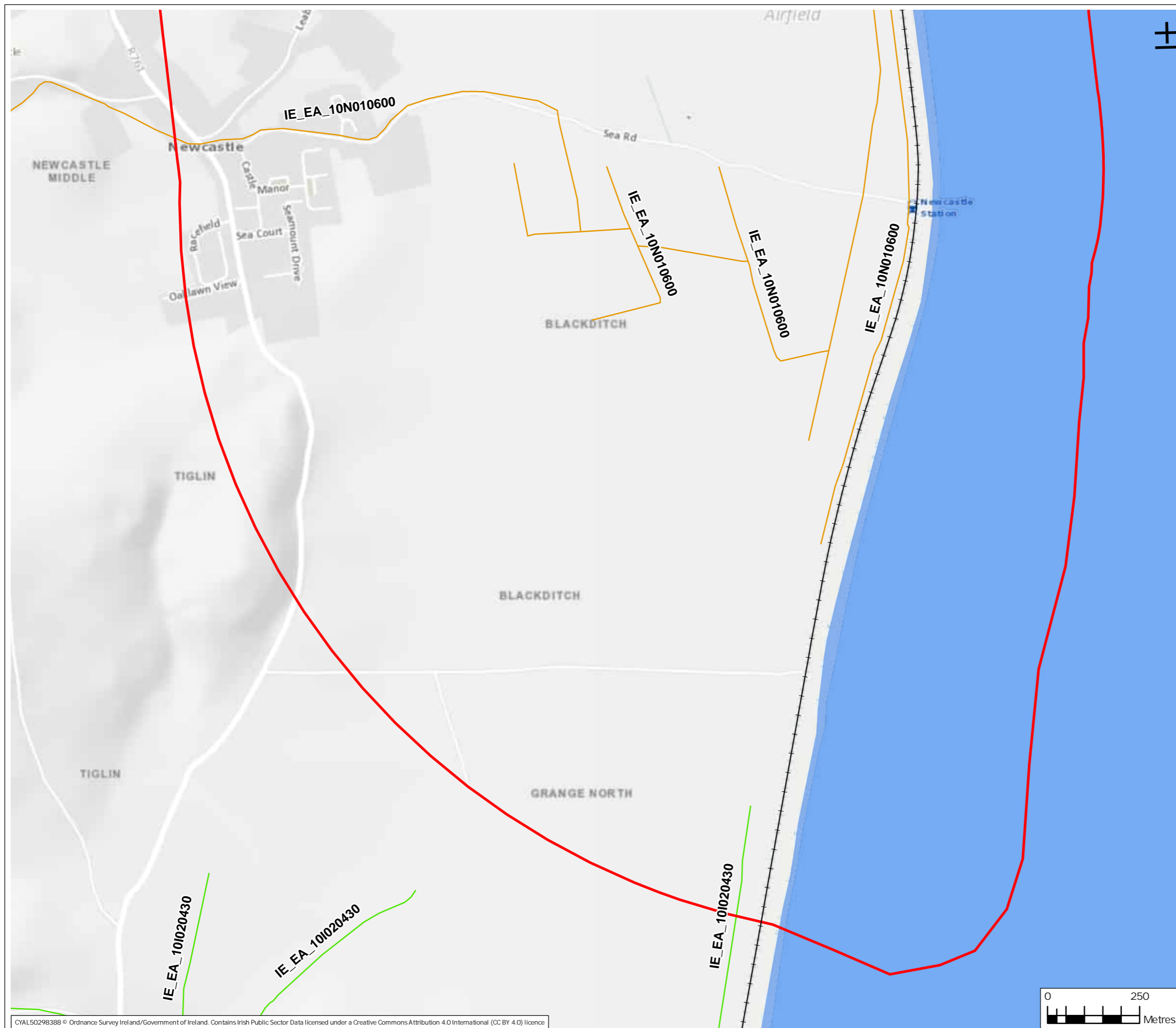
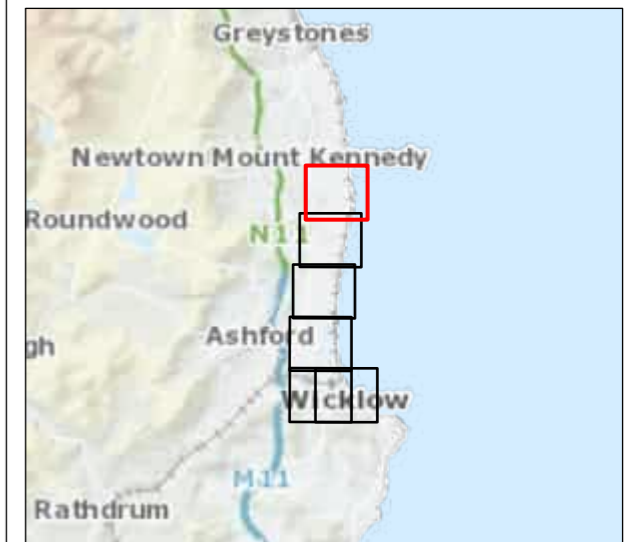


FIGURE 4.5

Legend

- CCA6.2 Study Area
- Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Poor
- Water Framework Directive Status - Coastal**
- High
- Water Framework Directive Status - Transitional**
- Moderate



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Figure 4.5  
CCA6.2- Environmental Constraints - Water Framework Directive  
Waterbody Status  
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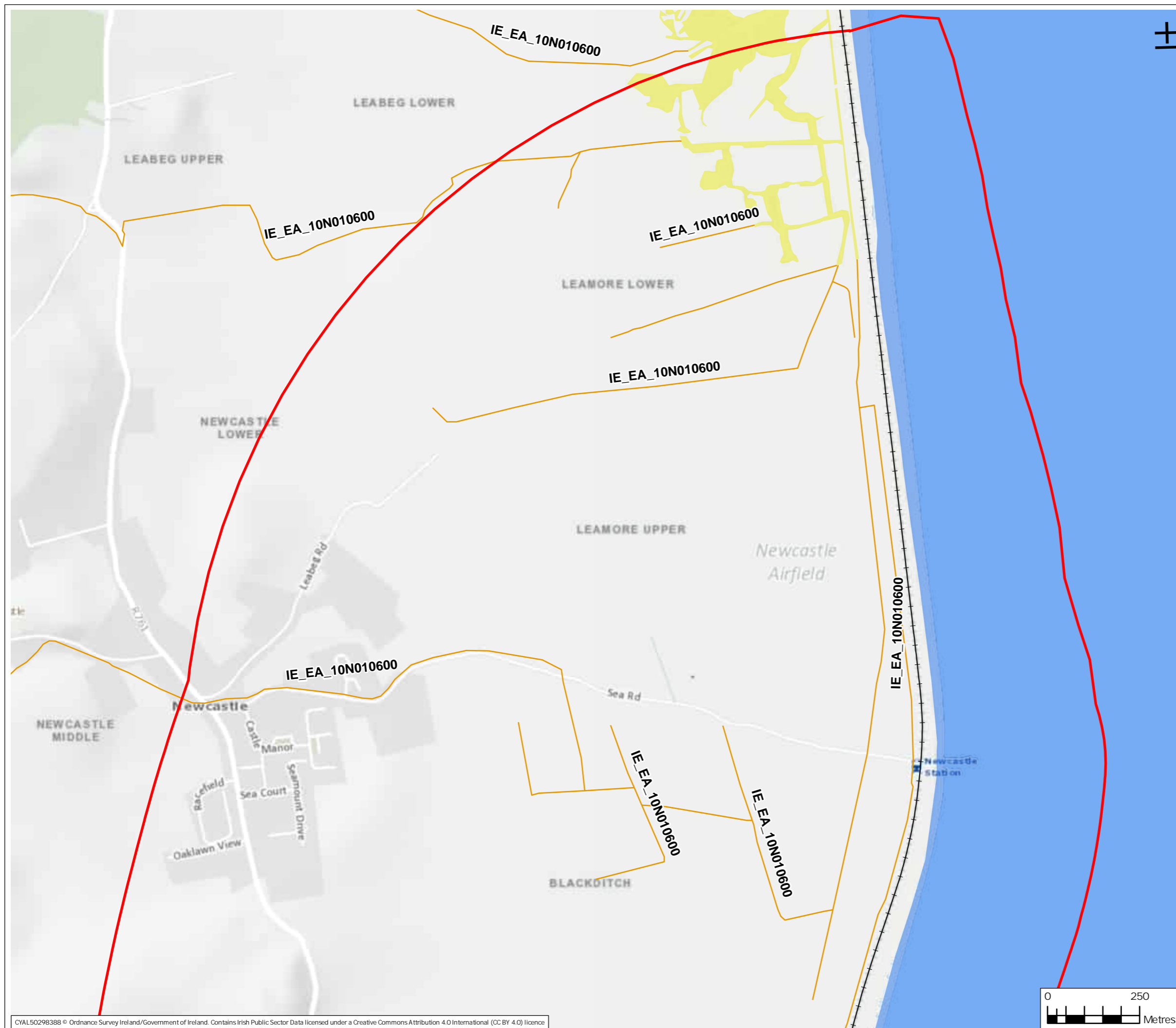
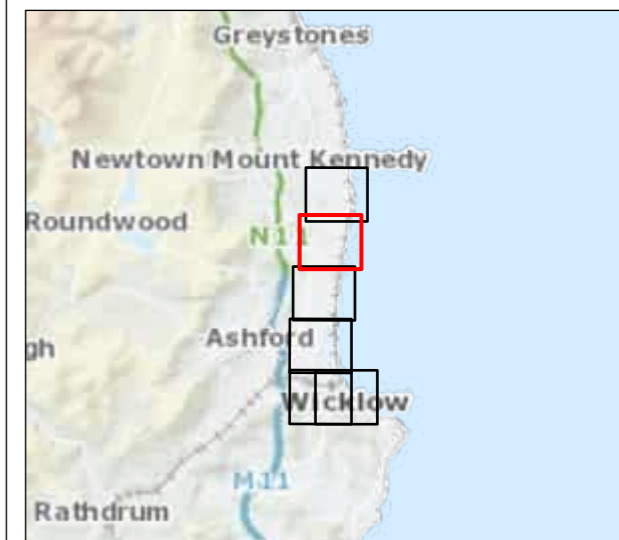


FIGURE 4.5

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Good
  - Poor
- Water Framework Directive Status - Coastal**
- High



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Figure 4.5  
CCA6.2- Environmental Constraints - Water Framework Directive  
Waterbody Status  
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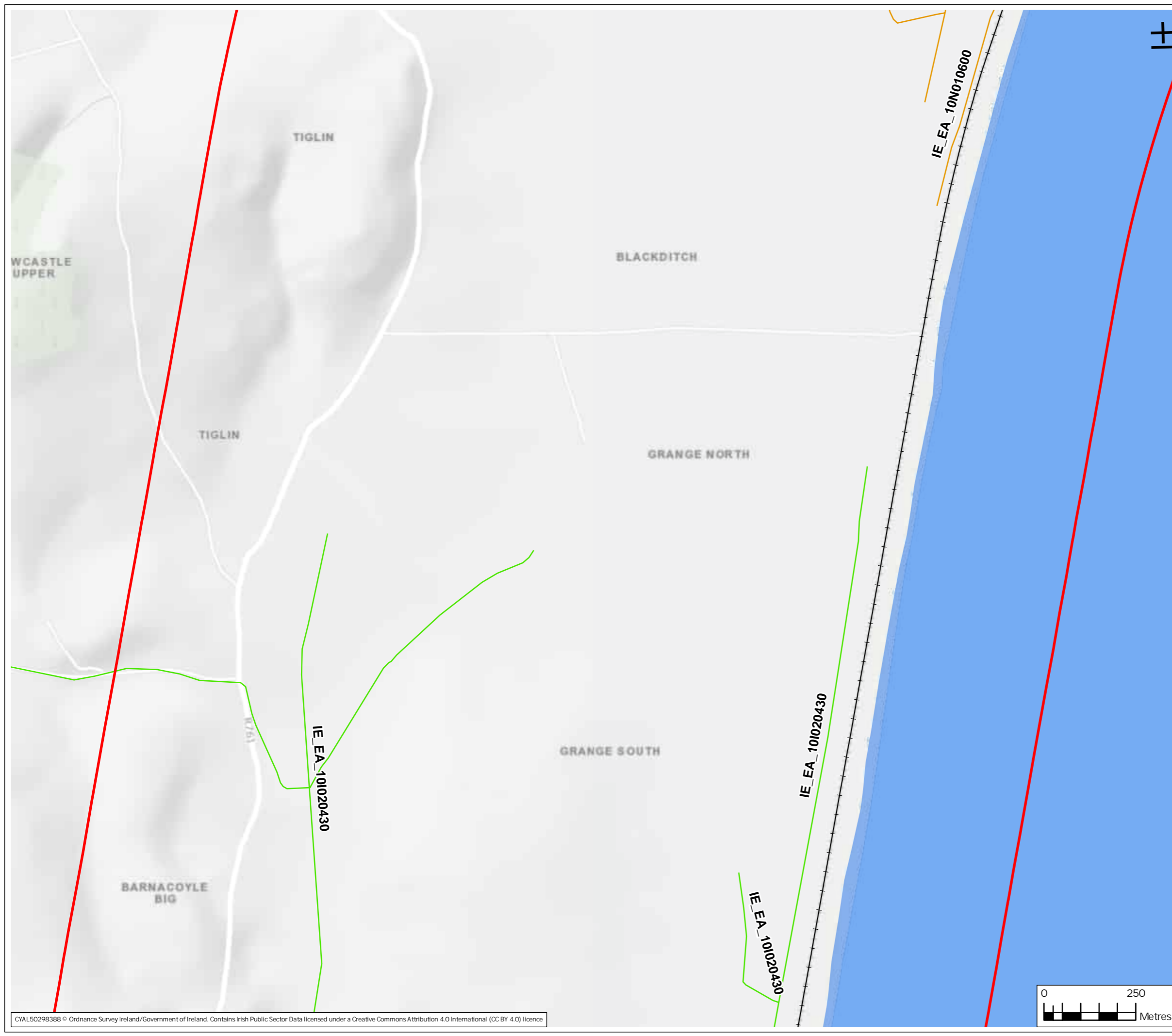
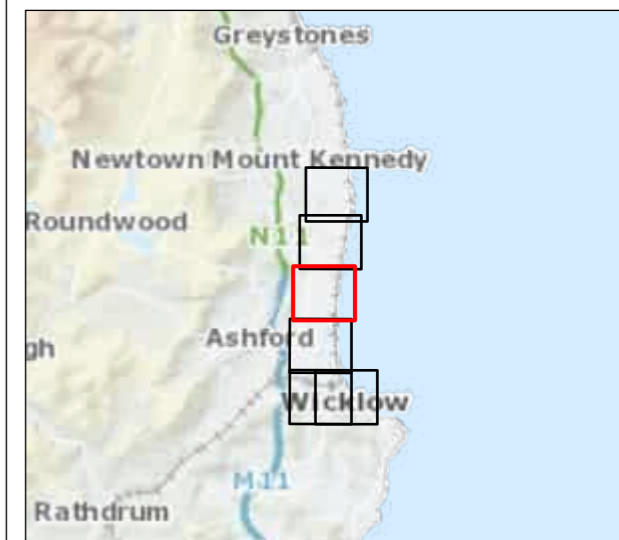


FIGURE 4.5

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Good
- Water Framework Directive Status - Coastal**
- High



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CCA6.2- Environmental Constraints - Water Framework Directive  
Waterbody Status  
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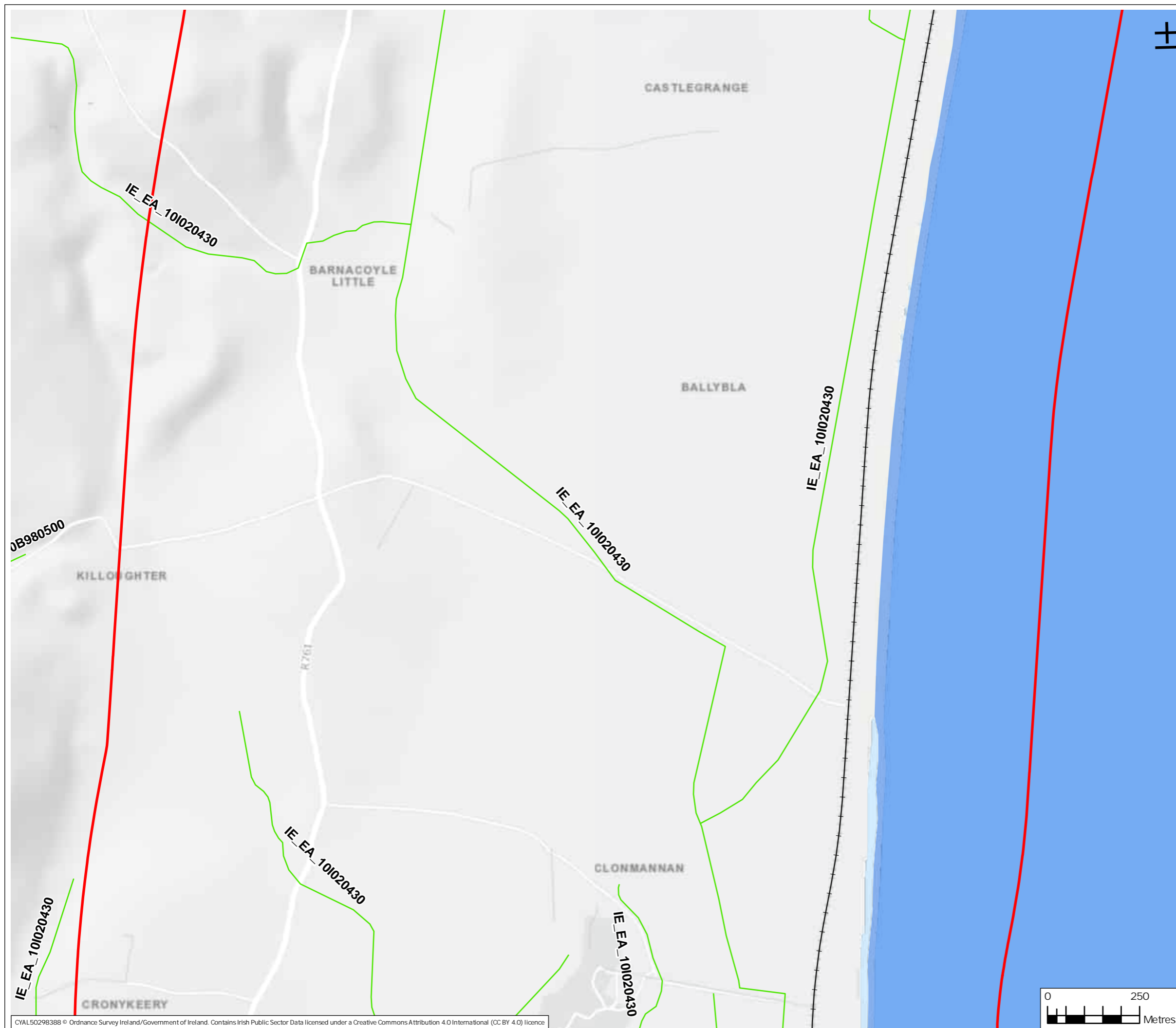
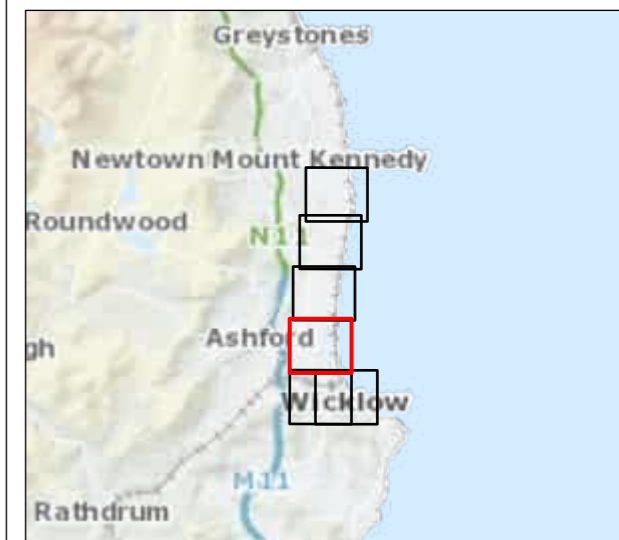


FIGURE 4.5

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Water Framework Directive Status - Rivers**
  - Good
  - Moderate
  - Water Framework Directive Status - Coastal**
  - High
  - Water Framework Directive Status - Transitional**
  - Moderate



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Drawing Title  
 Figure 4.5  
 CCA6.2- Environmental Constraints - Water Framework Directive  
 Waterbody Status  
 (Page 4 of 6)

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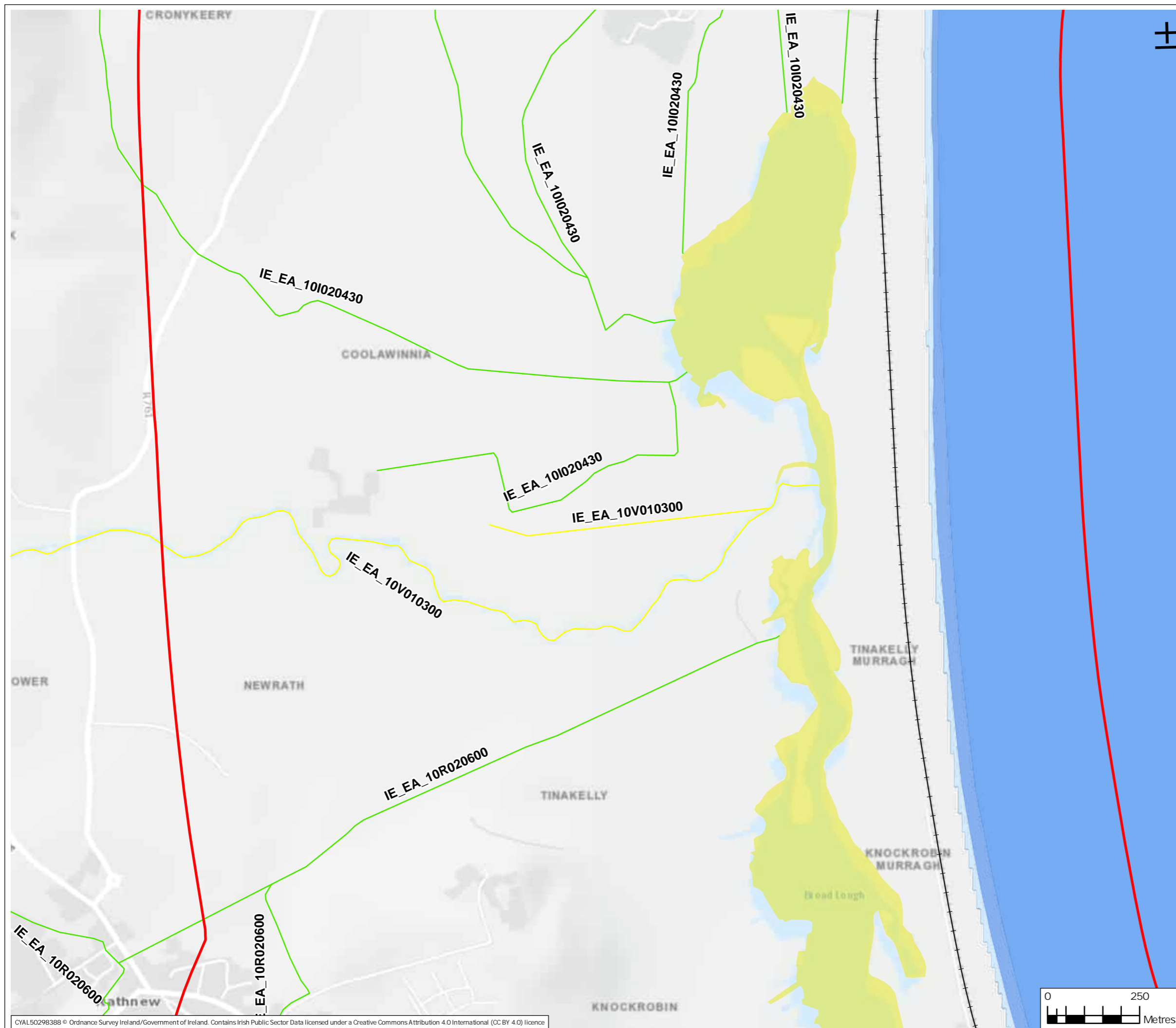
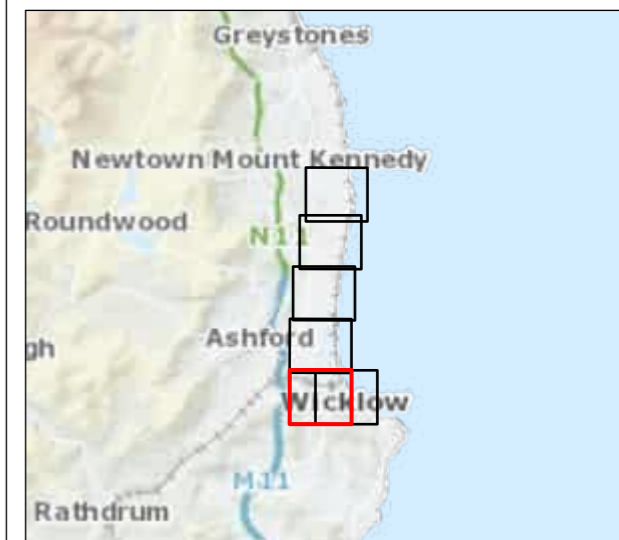


FIGURE 4.5

- Legend**
- CCA6.2 Study Area
  - Railway Network Centreline
  - Water Framework Directive Status - Rivers**
  - Good
  - Water Framework Directive Status - Coastal**
  - High
  - Water Framework Directive Status - Transitional**
  - Moderate



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 CCA6.2- Environmental Constraints - Water Framework Directive  
 Waterbody Status  
 (Page 5 of 6)

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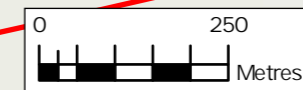
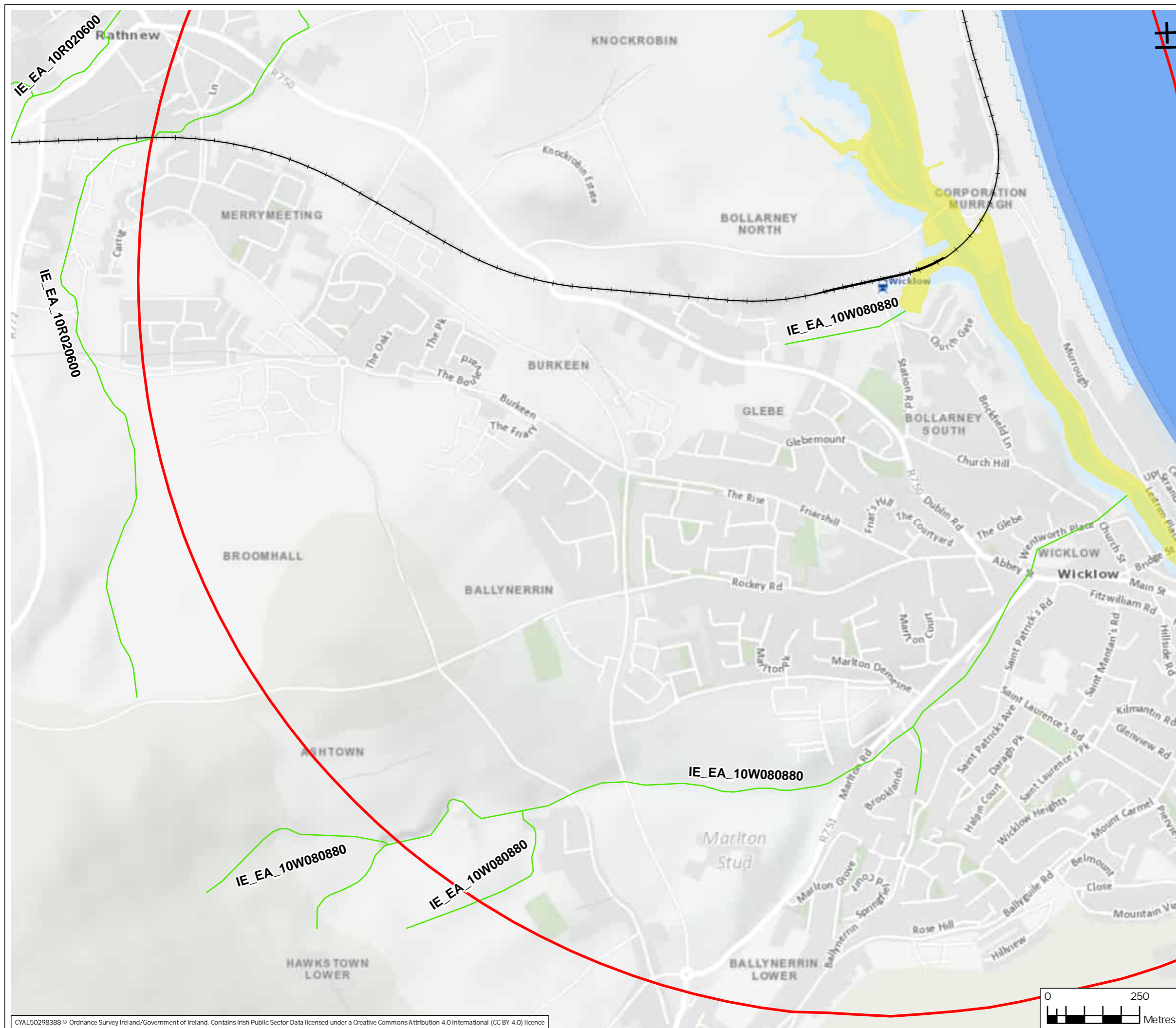
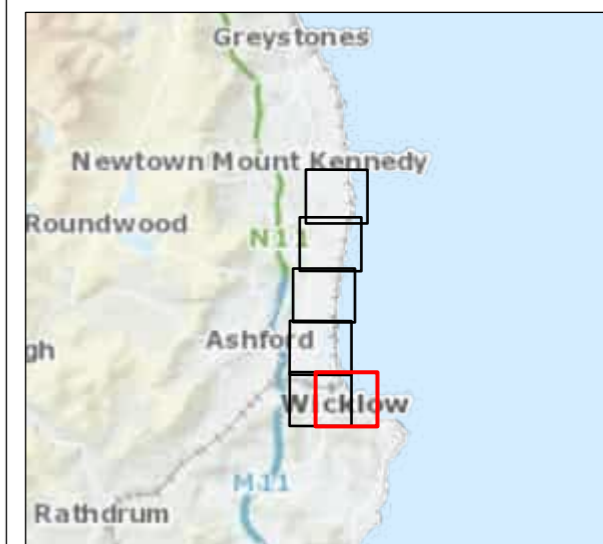


FIGURE 4.5

Legend

- CCA6.2 Study Area
- Railway Network Centreline
- Water Framework Directive Status - Rivers**
- Good
- Water Framework Directive Status - Coastal**
- High
- Water Framework Directive Status - Transitional**
- Moderate



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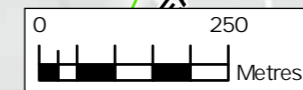
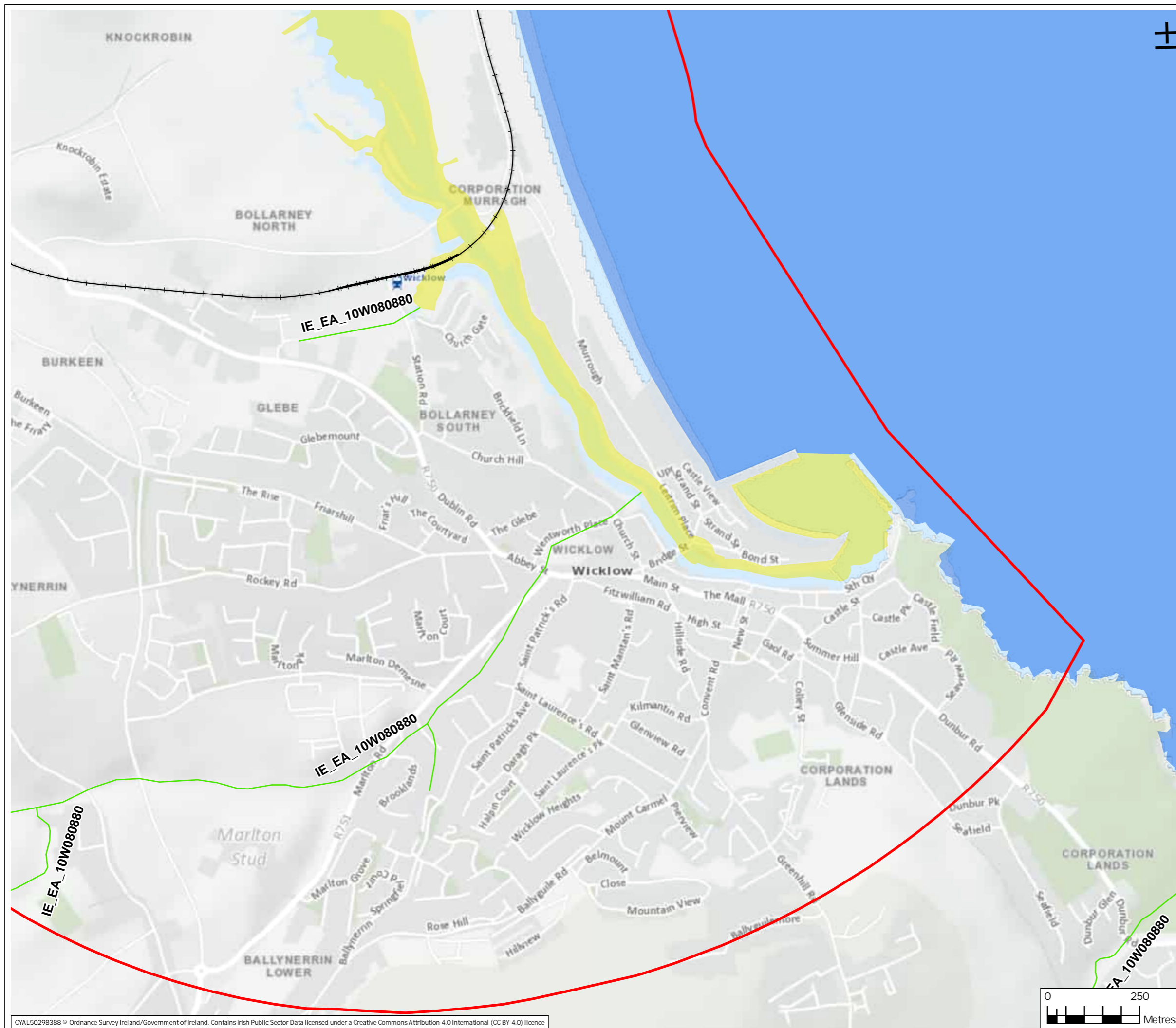
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 Figure 4.5  
 CCA6.2- Environmental Constraints - Water Framework Directive  
 Waterbody Status  
 (Page 6 of 6)

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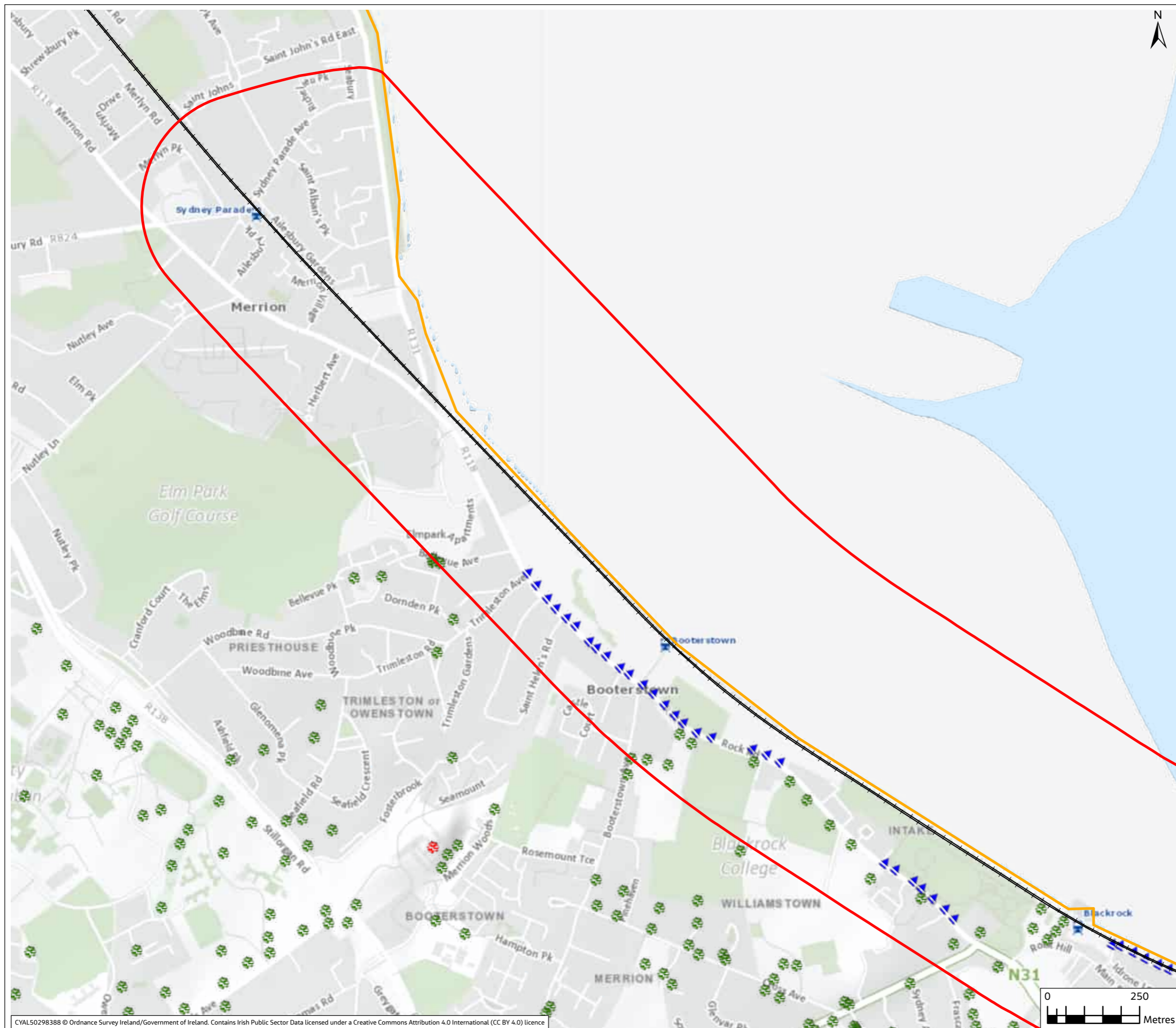
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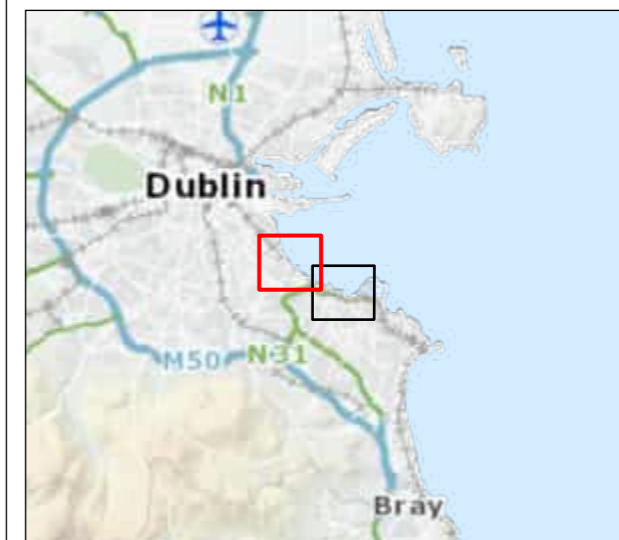




**FIGURE 5.1**



**Legend**

- CCA1 - Merrion Gates to Dun Laoghaire
- Railway Network Centreline
- ✳ Tree Preservation Orders
- 🌳 To protect and preserve Trees And Woodlands
- Views and Prospects**
- ▲ To preserve Views
- Seascape Coastal Type**
- Modified Historic Urban Bay



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Drawing Title						
Figure 5.1 CCA1- Environmental Constraints - Landscape & Visual (Page 1 of 2)						
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State Code	Phase 2					
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Jacobs No.	D3658301					Rev
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FIGURE 5.1

Legend

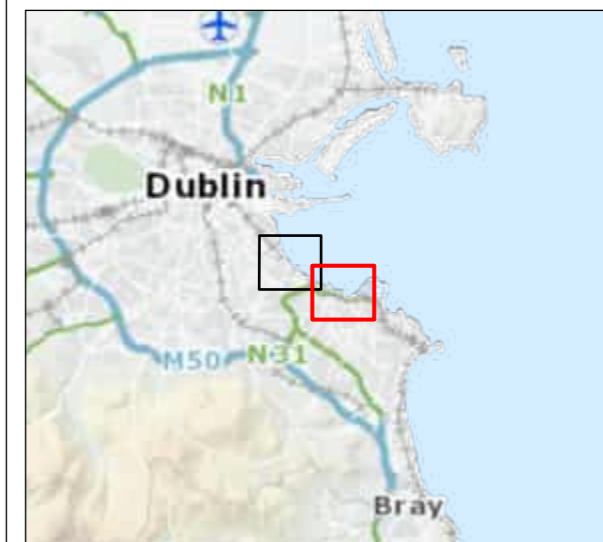
- CCA1 - Merrion Gates to Dun Laoghaire
- Railway Network Centreline
- ✿ Tree Preservation Orders
- ✿ To protect and preserve Trees And Woodlands
- ▲ To preserve Views
- Modified Historic Urban Bay

Views and Prospects

- ▲ To preserve Views

Seascape Coastal Type

- Modified Historic Urban Bay



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CCA1- Environmental Constraints - Landscape & Visual  
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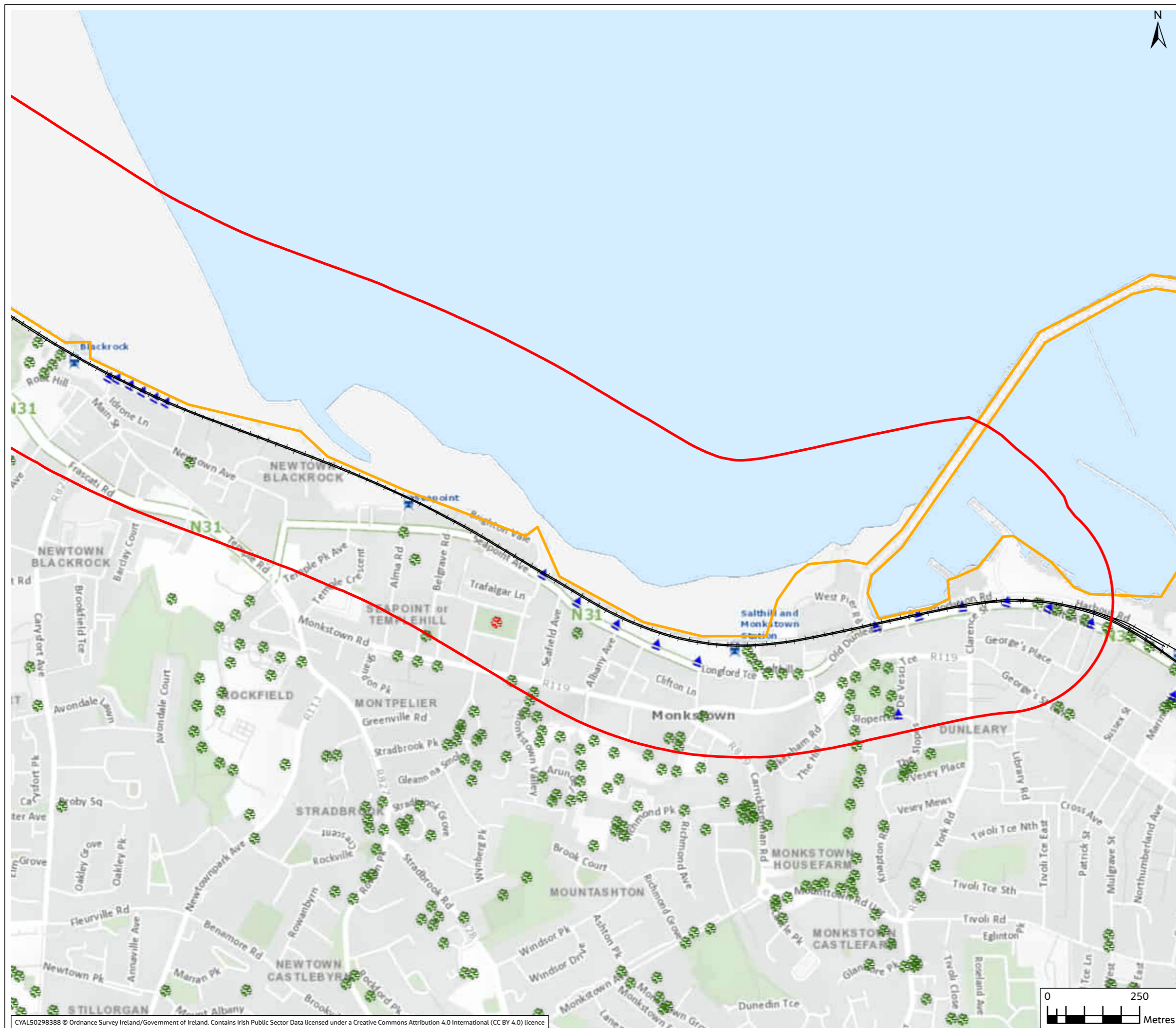
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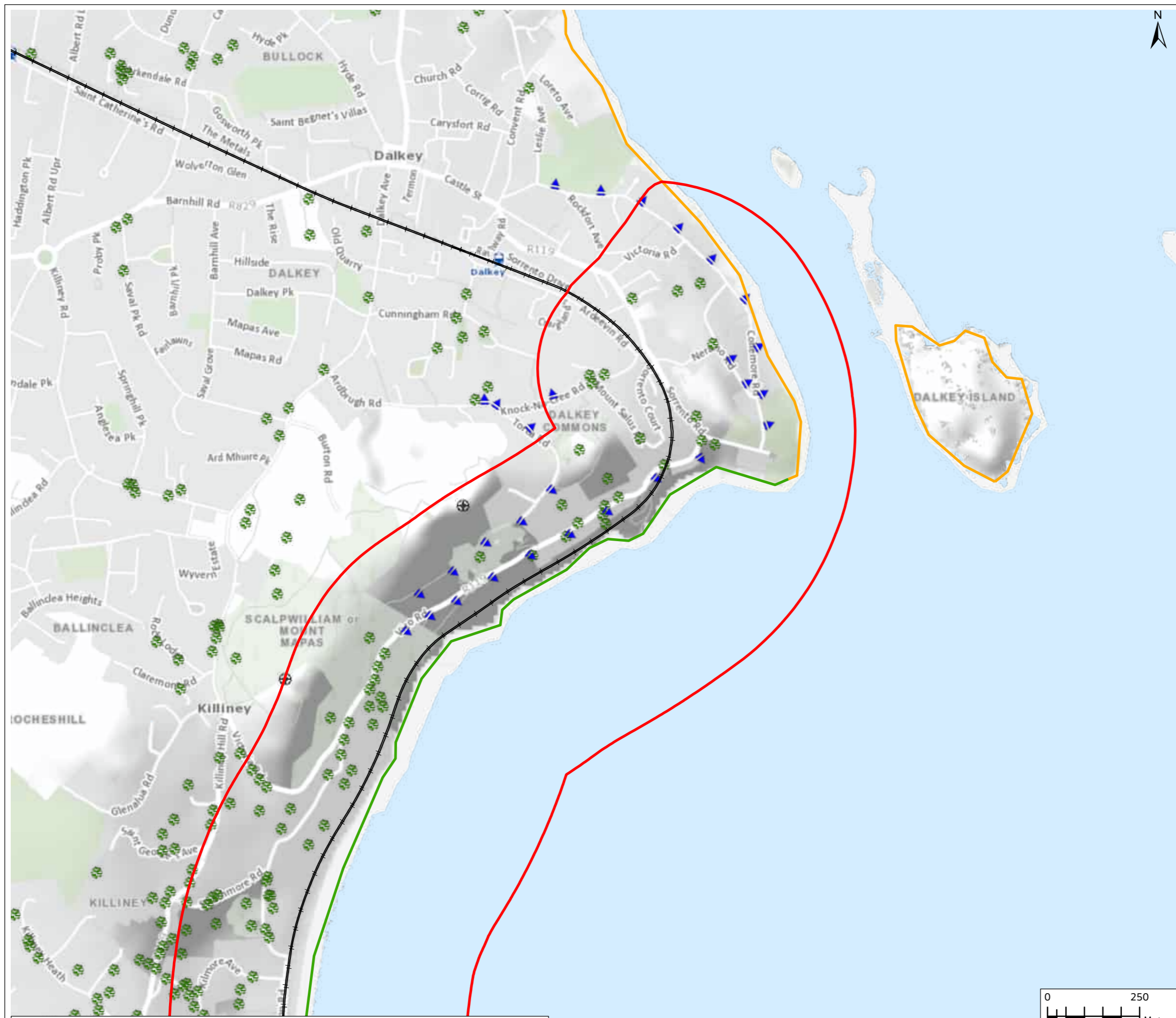
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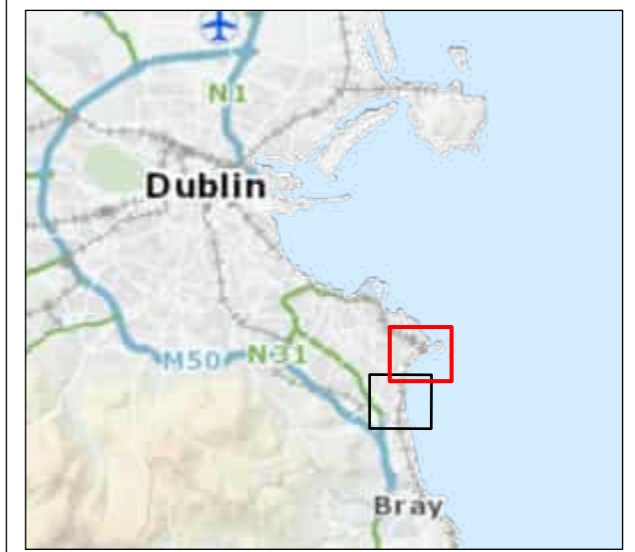
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**FIGURE 5.1**



- Legend**
- CCA2-3 Study Area
  - Railway Network Centreline
  - To protect and preserve Trees And Woodlands
  - To preserve Prospects
  - To preserve Views
  - Broad estuarine bays and complex low plateau and cliff coastline
  - Modified Historic Urban Bay



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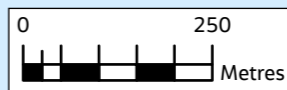
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CCA2-3- Environmental Constraints - Landscape & Visual  
(Page 1 of 2)**

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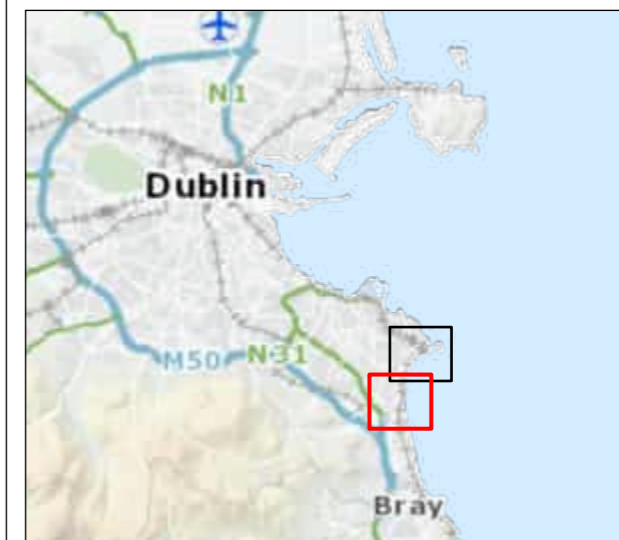
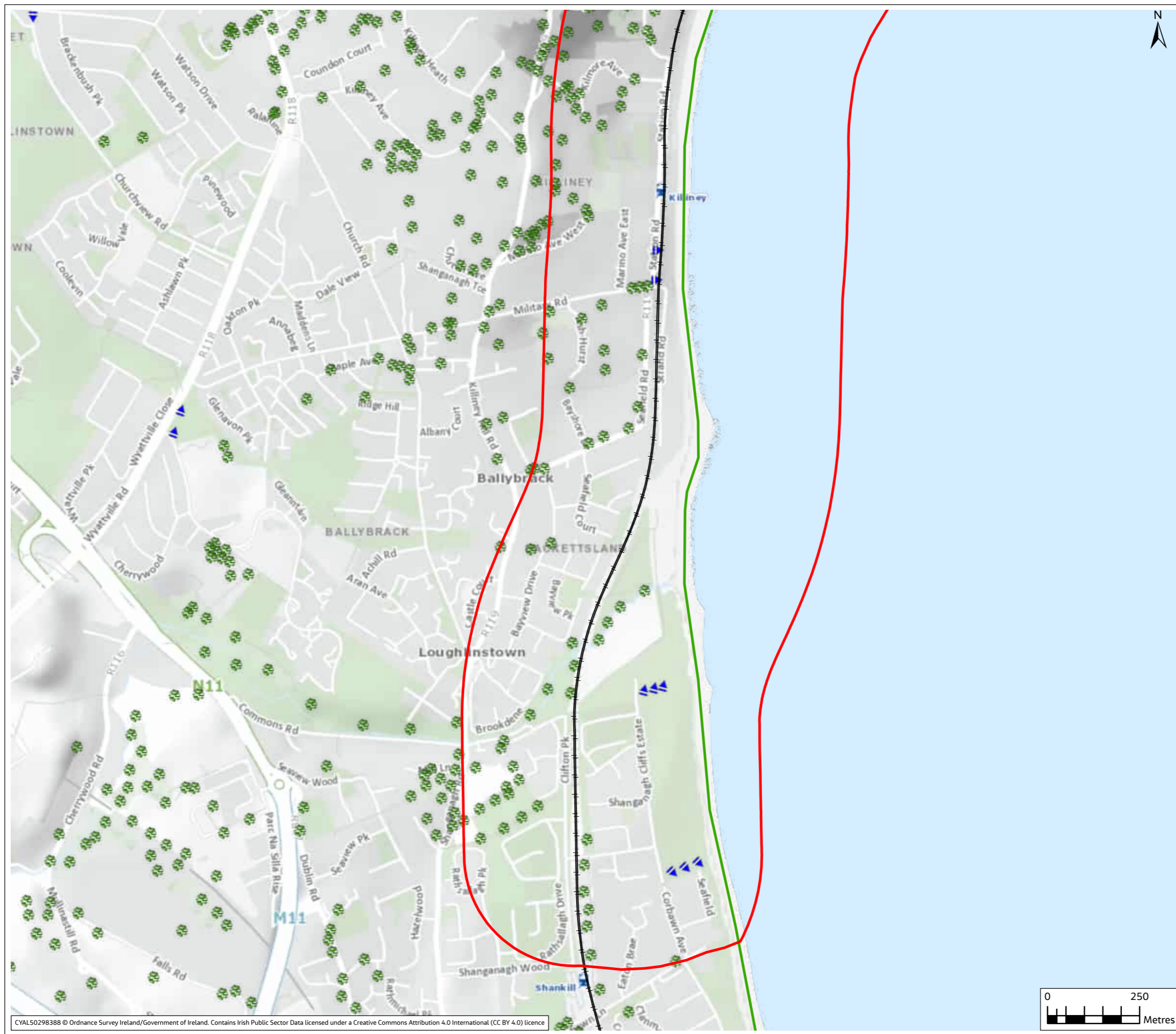
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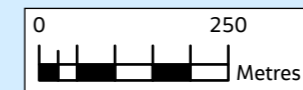


**FIGURE 5.1**

- Legend
- CCA2-3 Study Area
  - Railway Network Centreline
  - To protect and preserve Trees And Woodlands
  - To preserve Views
  - Broad estuarine bays and complex low plateau and cliff coastline
- Views and Prospects
- Seascape Coastal Type



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**FIGURE 5.1**

- Legend
- CCA5 Study Area
  - Railway Network Centreline
  - Special Amenity Area Order (SAAO)
  - Tree Preservation Orders
- Views & Prospects
- Prospects
- Seascape Coastal Type
- Broad estuarine bays and complex low plateau and cliff coastline
- Landscape Character Areas
- Eastern Corridor
  - The Bray Mountains Group



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 CCA5- Environmental Constraints - Landscape & Visual  
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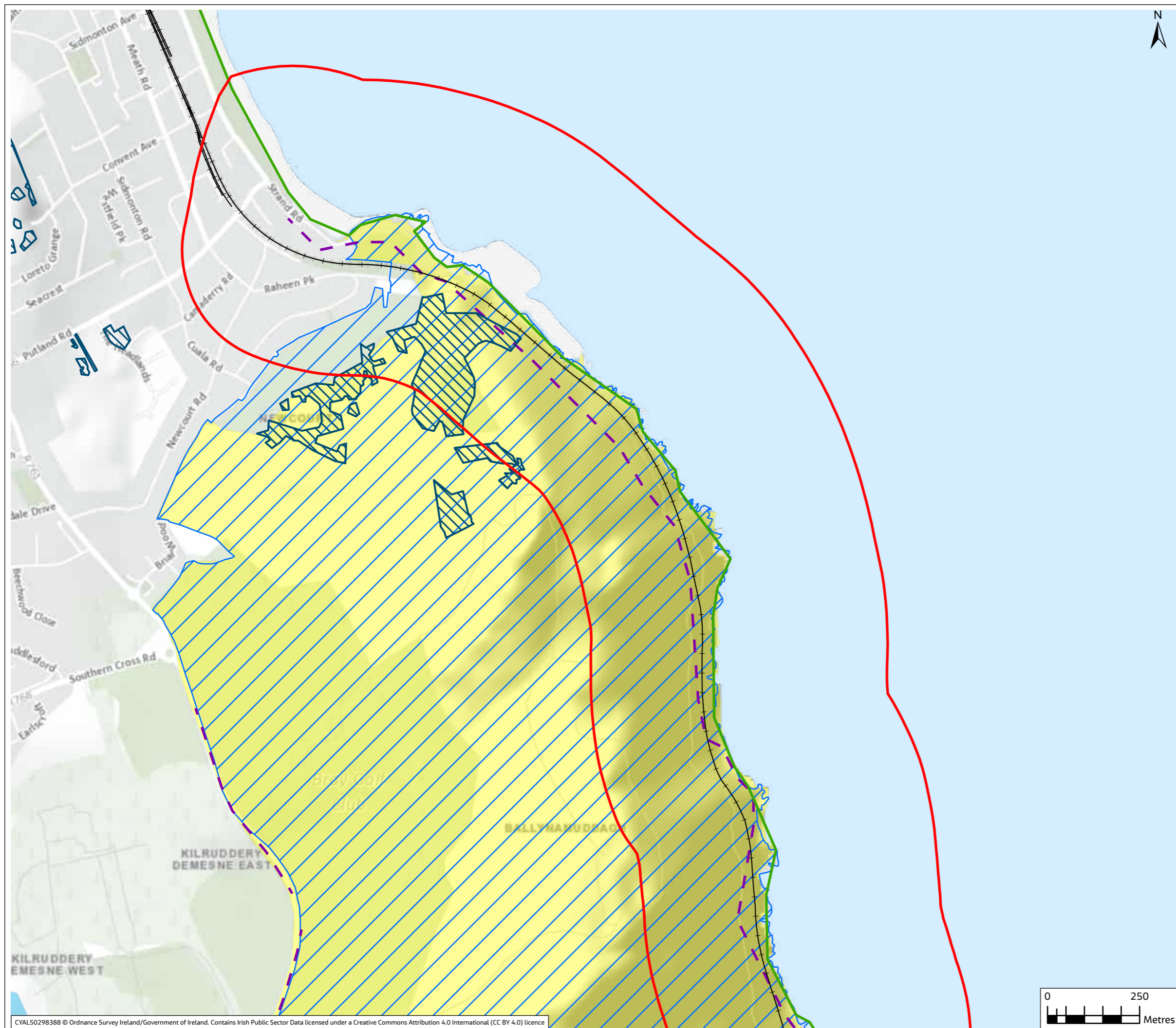
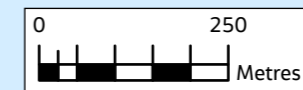
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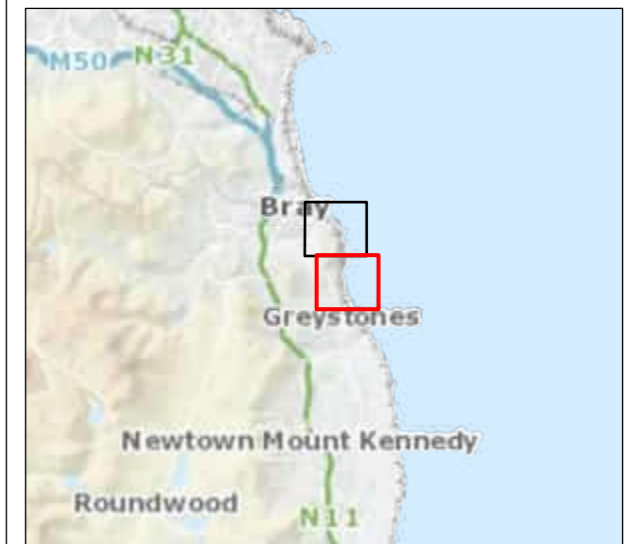
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**FIGURE 5.1**

- Legend**
- CCA5 Study Area
  - Railway Network Centreline
  - Special Amenity Area Order (SAAO)
- Views & Prospects**
- Prospects
- Seascape Coastal Type**
- Broad estuarine bays and complex low plateau and cliff coastline
- Landscape Character Areas**
- Eastern Corridor
  - Coastal Areas
  - The Bray Mountains Group



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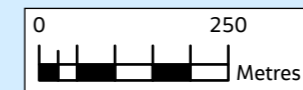
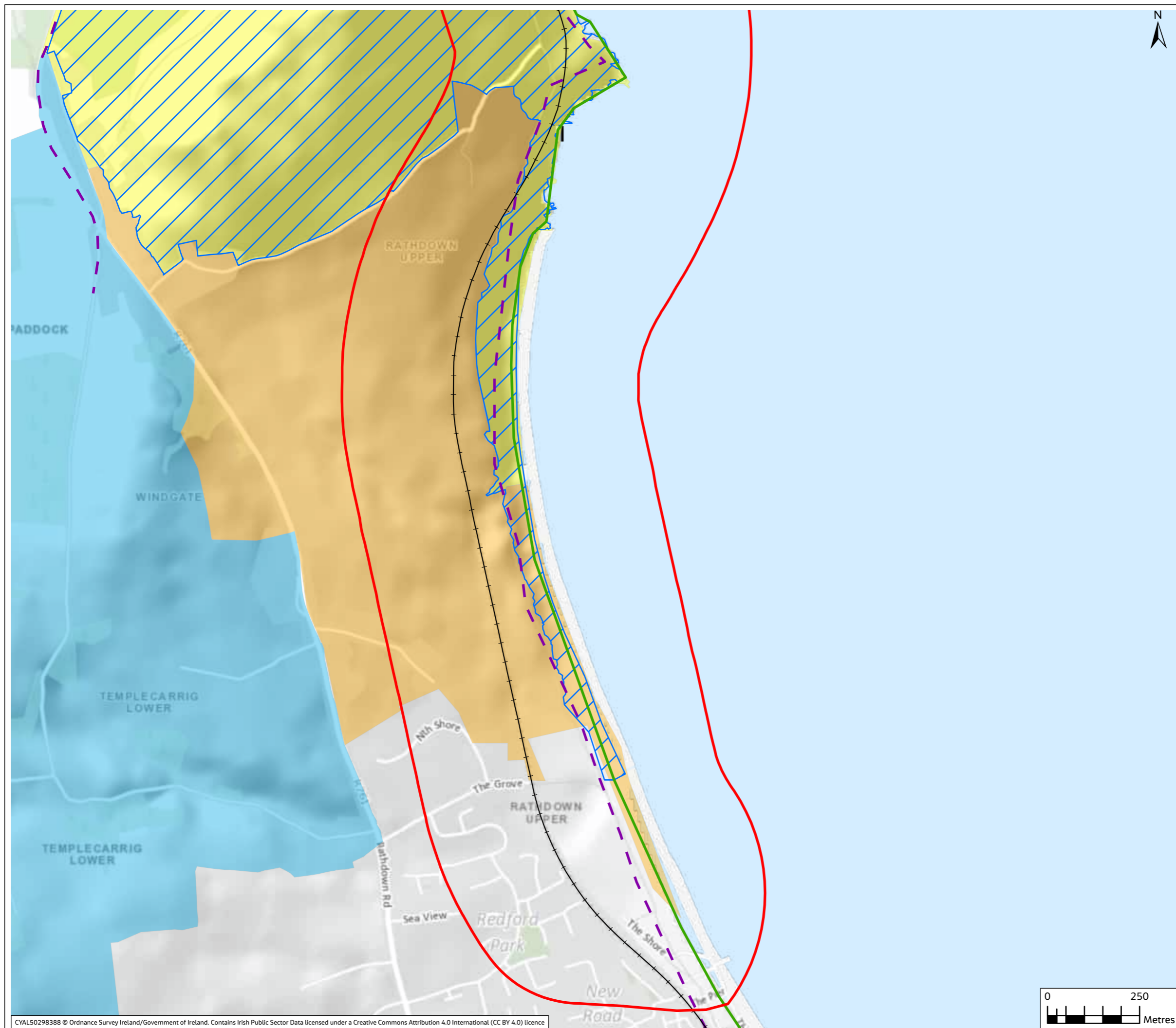
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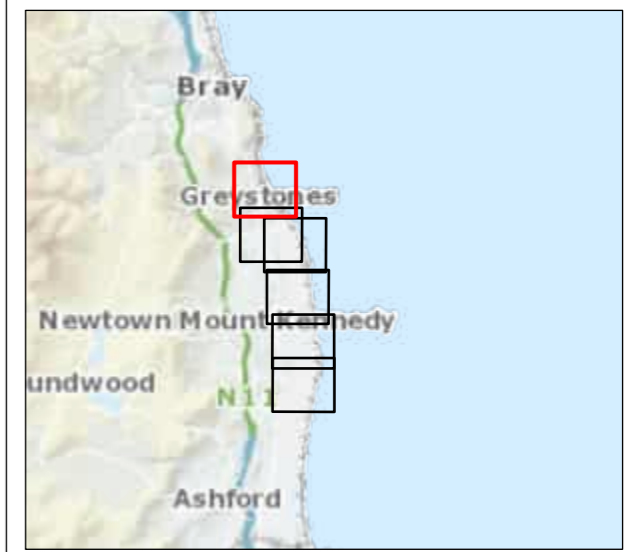
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**FIGURE 5.1**

- Legend
- CCA6.1 Study Area
  - Railway Network Centreline
  - Special Amenity Area Order (SAAO)
  - Tree Preservation Orders
- Views & Prospects
- - - Prospects
- Seascape Coastal Type
- Broad estuarine bays and complex low plateau and cliff coastline
- Landscape Character Areas
- Eastern Corridor
  - Coastal Areas



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**Figure 5.1  
CCA6.1- Environmental Constraints - Landscape & Visual  
(Page 1 of 6)**

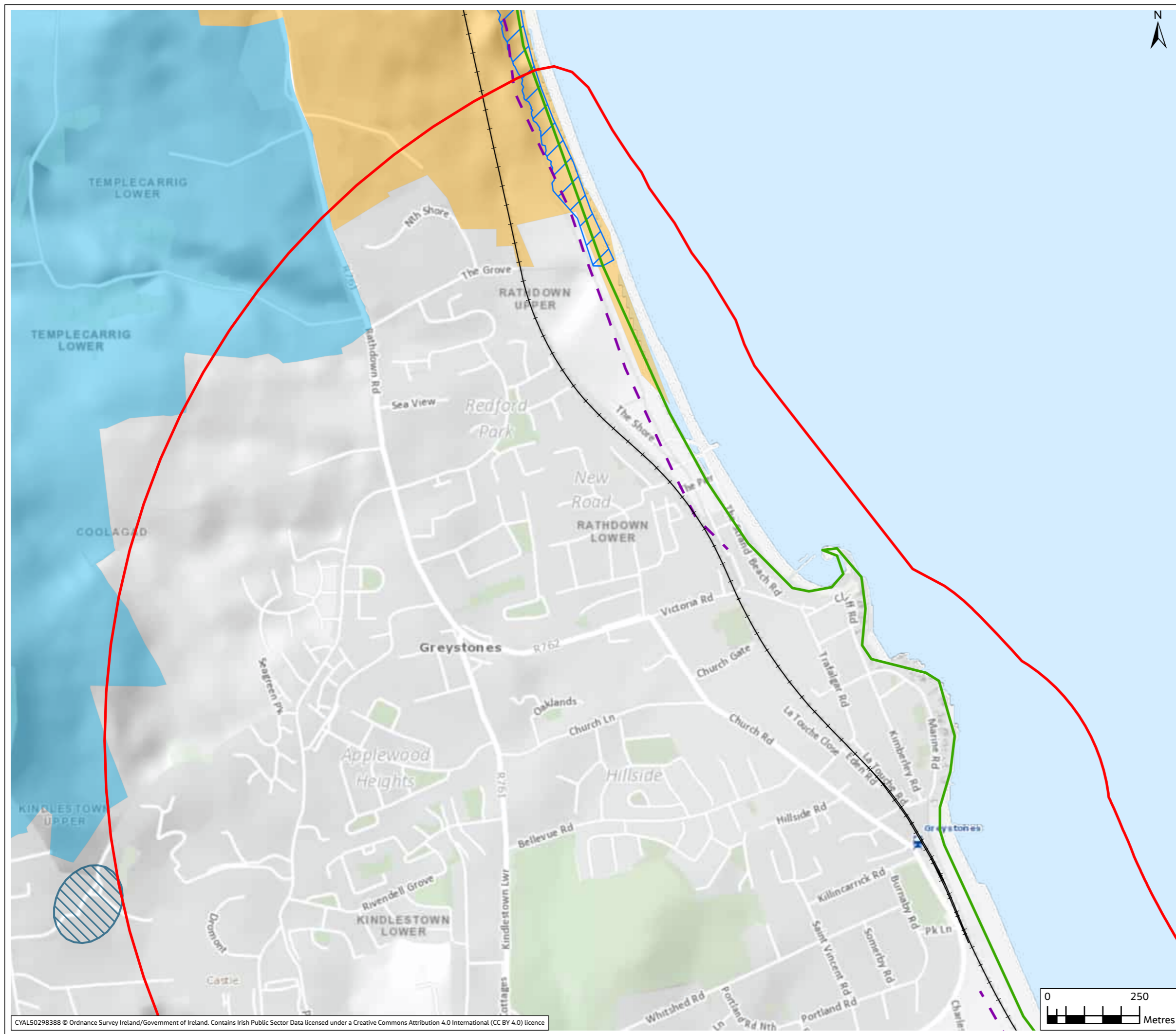
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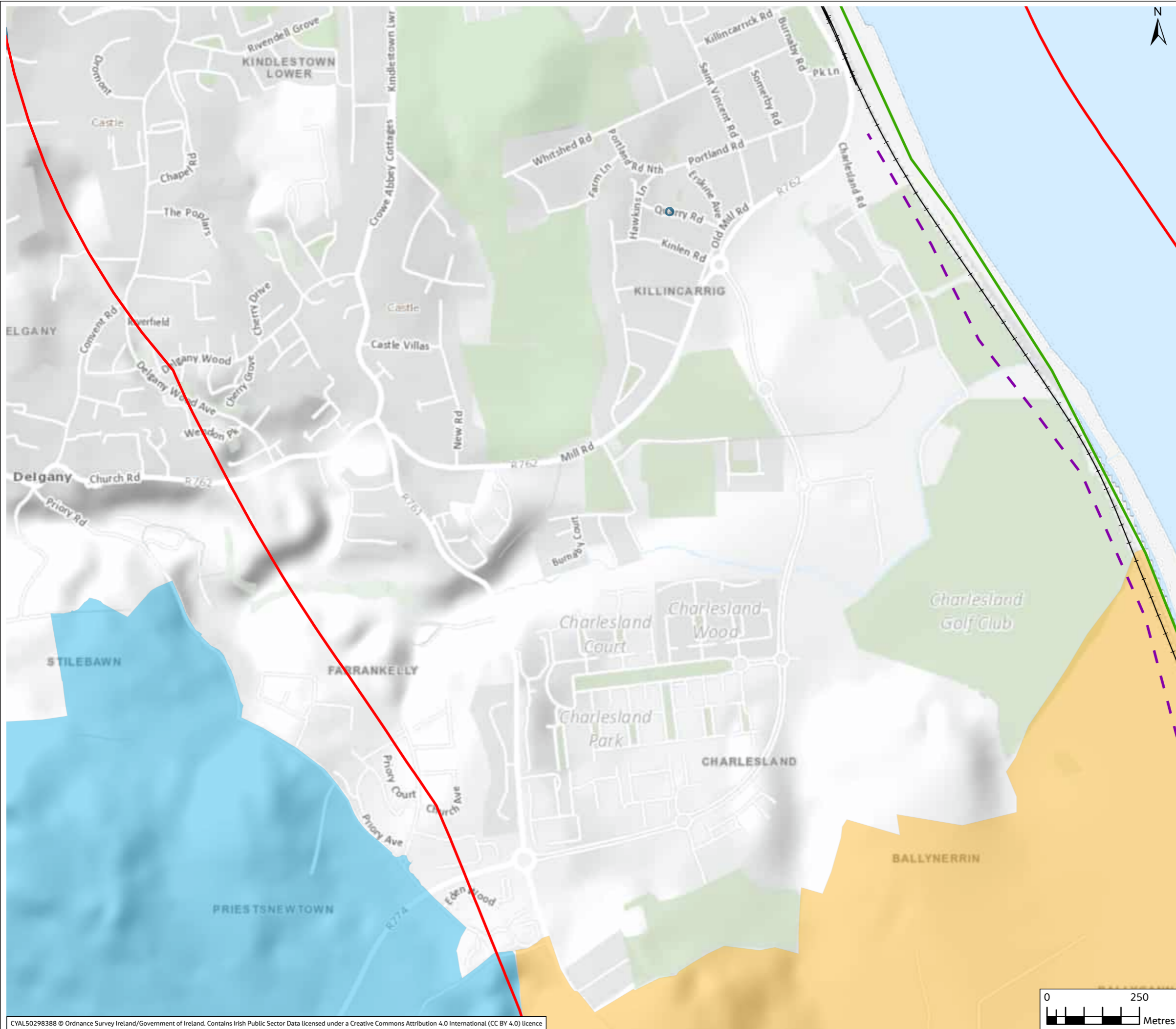
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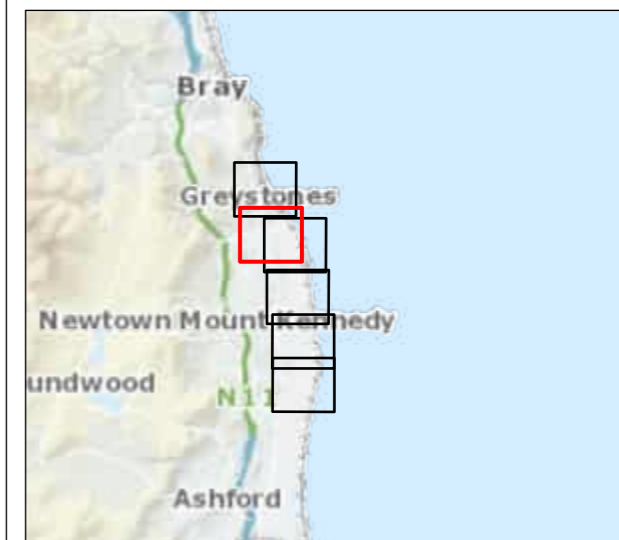
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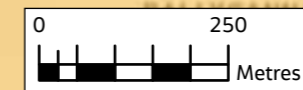
**FIGURE 5.1**



- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
  - Tree Preservation Orders
- Views & Prospects**
- Prospects
- Seascape Coastal Type**
- Broad estuarine bays and complex low plateau and cliff coastline
- Landscape Character Areas**
- Eastern Corridor
  - Coastal Areas



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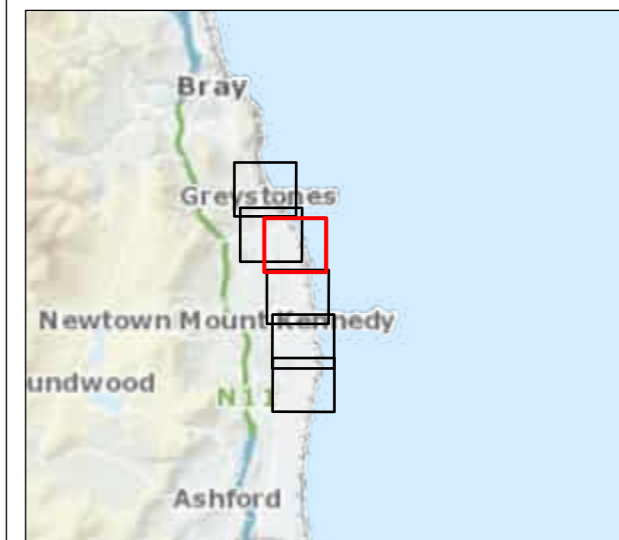


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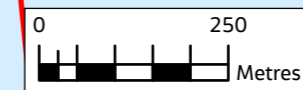
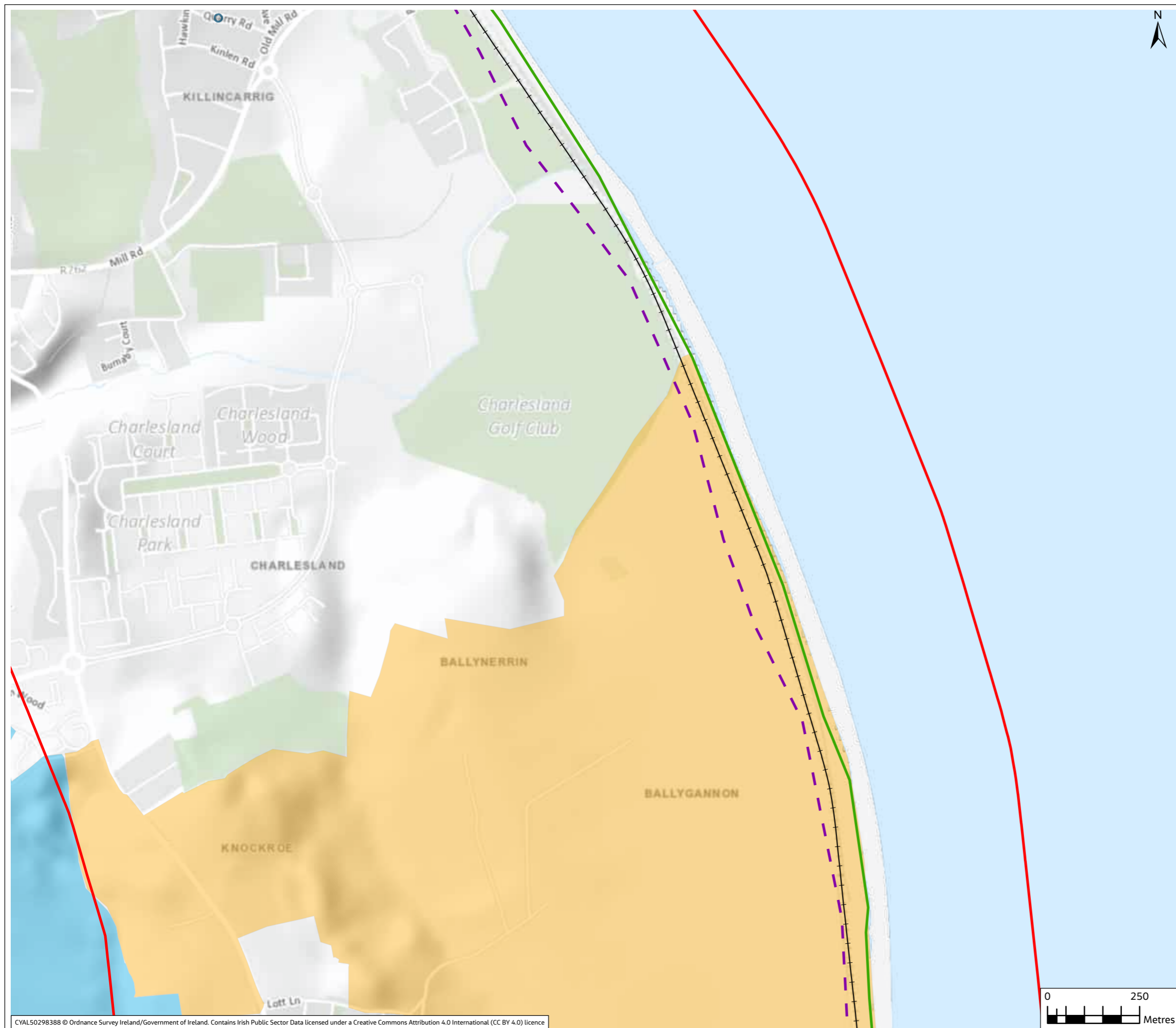
**FIGURE 5.1**

- Legend
- CCA6.1 Study Area
  - Railway Network Centreline
  - Tree Preservation Orders
- Views & Prospects
- Prospects
- Seascape Coastal Type
- Broad estuarine bays and complex low plateau and cliff coastline
- Landscape Character Areas
- Eastern Corridor
  - Coastal Areas



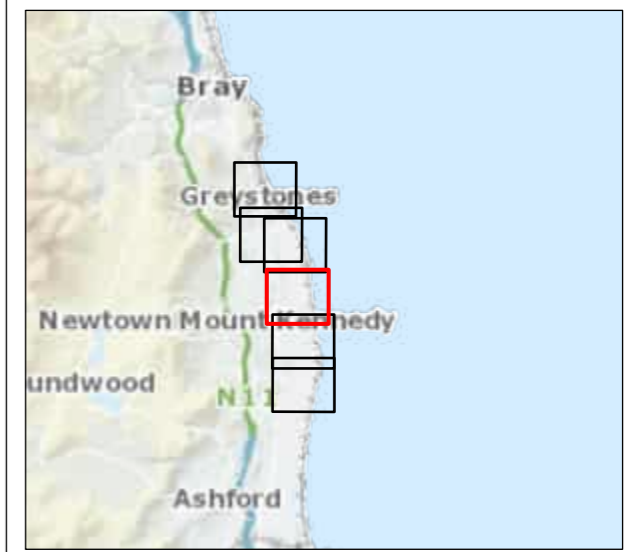
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ISSUE FOR ACCEPTANCE						
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Client No.	8093					V01
Drawing No.	7964-CCA6_1-P2-DWG-EV-JAC-5004					

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**FIGURE 5.1**

- Legend**
- CCA6.1 Study Area
  - Railway Network Centreline
  - Tree Preservation Orders
- Views & Prospects**
- Prospects
- Seascape Coastal Type**
- Broad estuarine bays and complex low plateau and cliff coastline
- Landscape Character Areas**
- Eastern Corridor
  - Coastal Areas



V01	Mar 2024	FOR REVIEW	MS	PR	JD	DK
Rev	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

Designer

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 www.jacobs.com

Project

**7694 EAST COAST RAILWAY  
 INFRASTRUCTURE PROTECTION PROJECTS**

Drawing Title

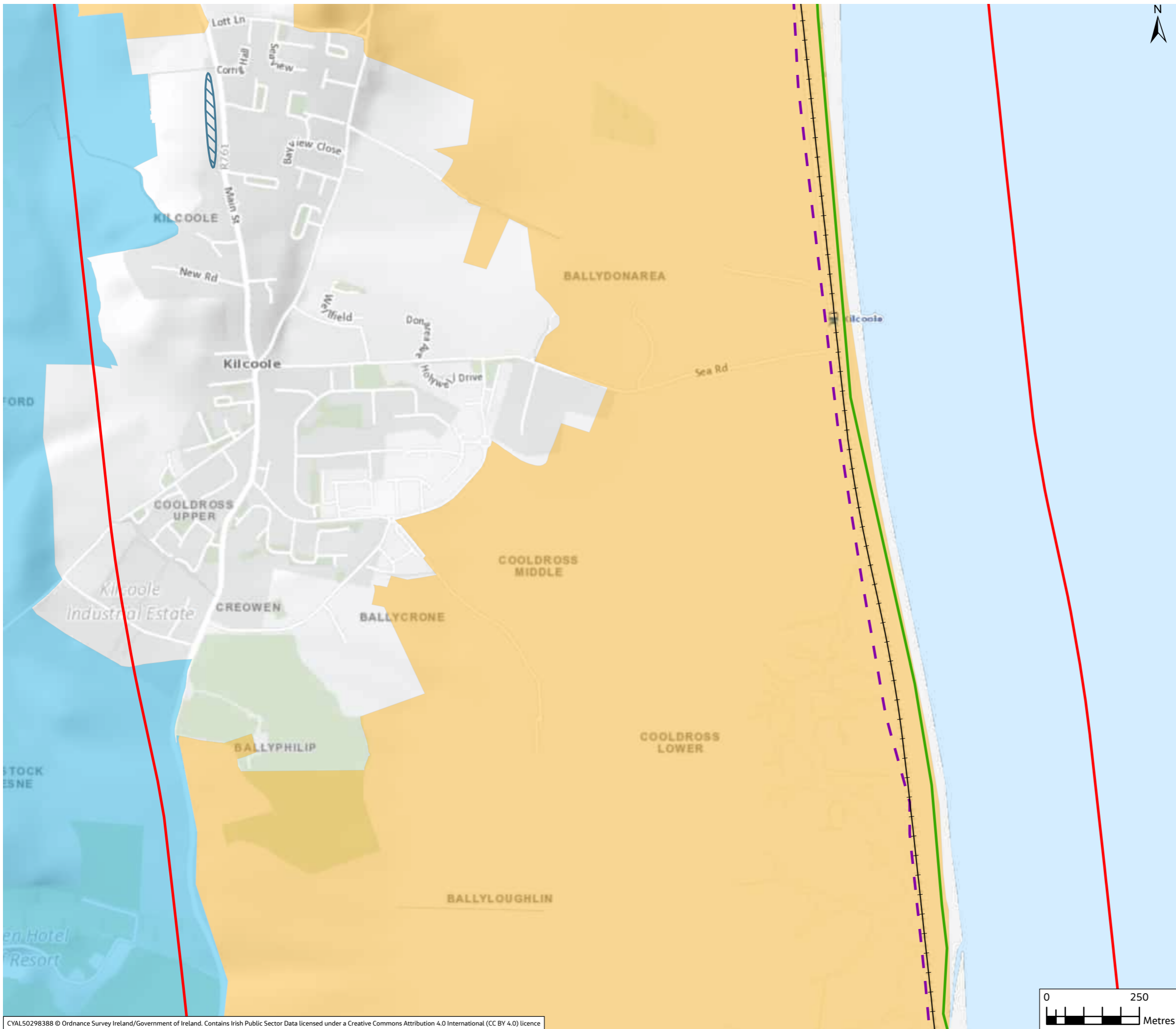
**Figure 5.1  
 CCA6.1- Environmental Constraints - Landscape & Visual  
 (Page 4 of 6)**

Drawing Status

**ISSUE FOR ACCEPTANCE**

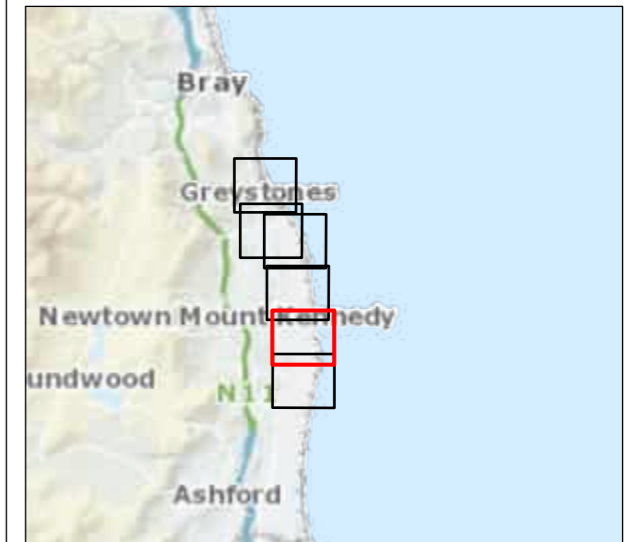
State Code	Phase 2	
Scale @ A3	1:10,000	<b>DO NOT SCALE</b>
Jacobs No.	D3658301	Rev
Client No.	8093	<b>V01</b>
Drawing No.	7964-CCA6_1-P2-DWG-EV-JAC-5005	

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**FIGURE 5.1**

- Legend
- CCA6.1 Study Area
  - Railway Network Centreline
- Views & Prospects
- Prospects
- Seascape Coastal Type
- Broad estuarine bays and complex low plateau and cliff coastline
- Landscape Character Areas
- Eastern Corridor
  - Coastal Areas



V01	Mar 2024	FOR REVIEW	MS	PR	JD	DK
Rev	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

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Project

**7694 EAST COAST RAILWAY  
 INFRASTRUCTURE PROTECTION PROJECTS**

Drawing Title

**Figure 5.1  
 CCA6.1- Environmental Constraints - Landscape & Visual  
 (Page 5 of 6)**

Drawing Status

**ISSUE FOR ACCEPTANCE**

State Code

Phase 2

Scale @ A3

1:10,000

**DO NOT SCALE**

Jacobs No.

D3658301

Rev

**V01**

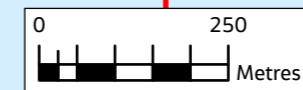
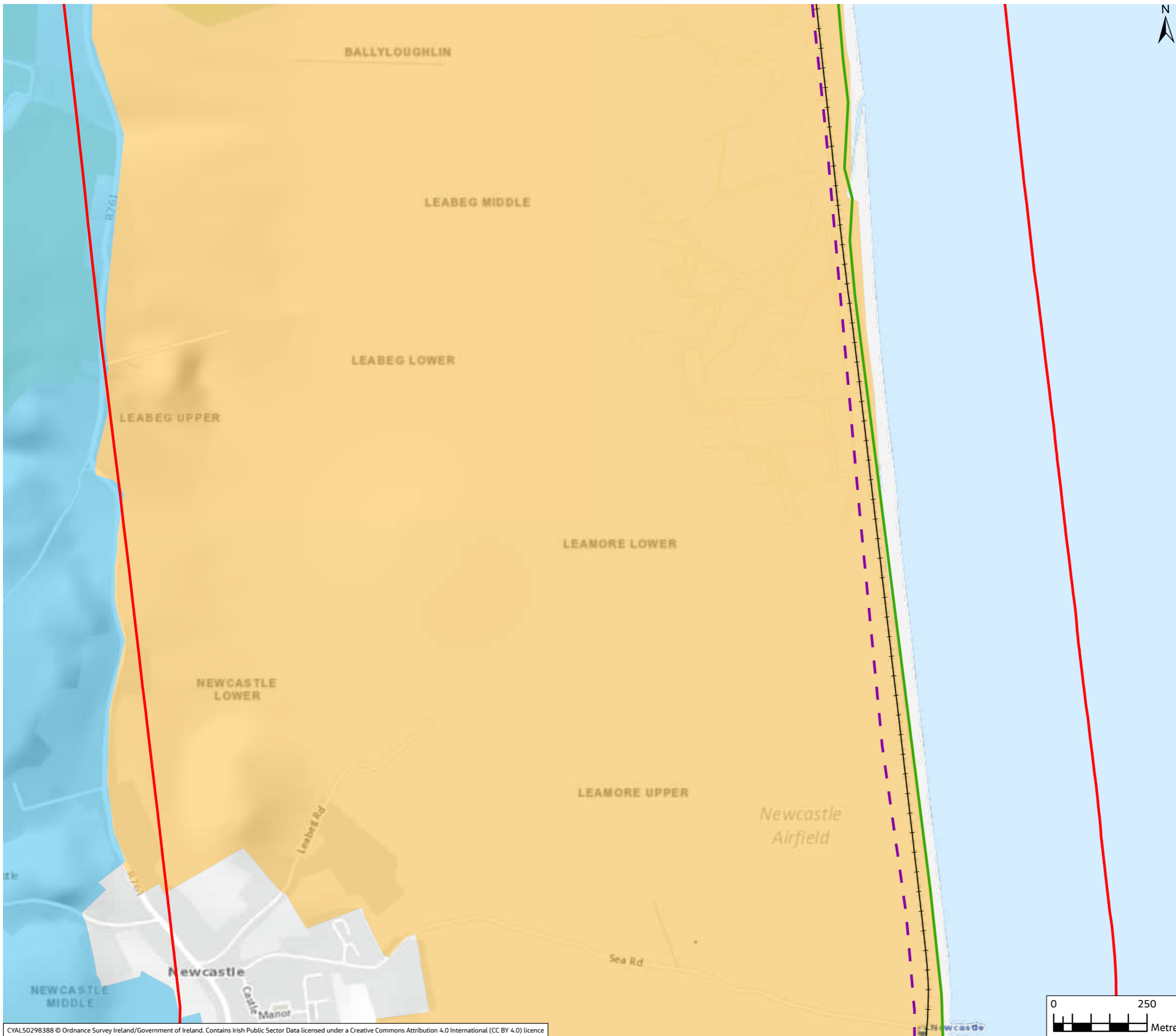
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8093

Drawing No.

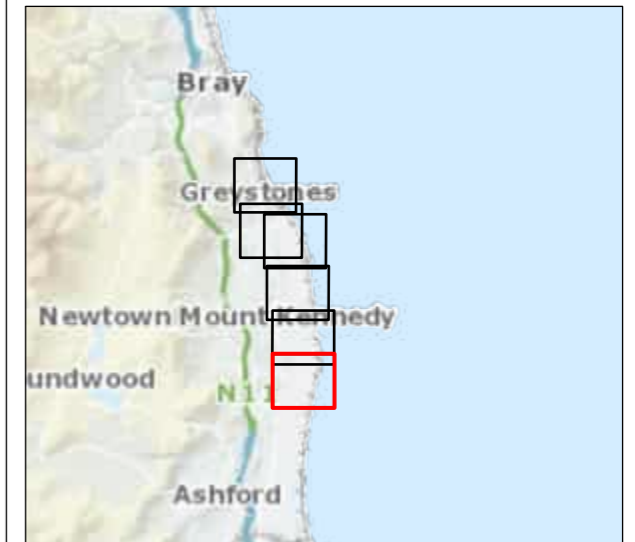
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**FIGURE 5.1**

- Legend
- CCA6.1 Study Area
  - Railway Network Centreline
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- Prospects
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- Landscape Character Areas
- Eastern Corridor
  - Coastal Areas



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Designer



Project

7694 EAST COAST RAILWAY  
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 5.1  
CCA6.1- Environmental Constraints - Landscape & Visual  
(Page 6 of 6)

Drawing Status

ISSUE FOR ACCEPTANCE

State Code	Phase 2	
Scale @ A3	1:10,000	DO NOT SCALE
Jacobs No.	D3658301	Rev
Client No.	8093	V01
Drawing No.	7964-CCA6_1-P2-DWG-EV-JAC-5007	

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