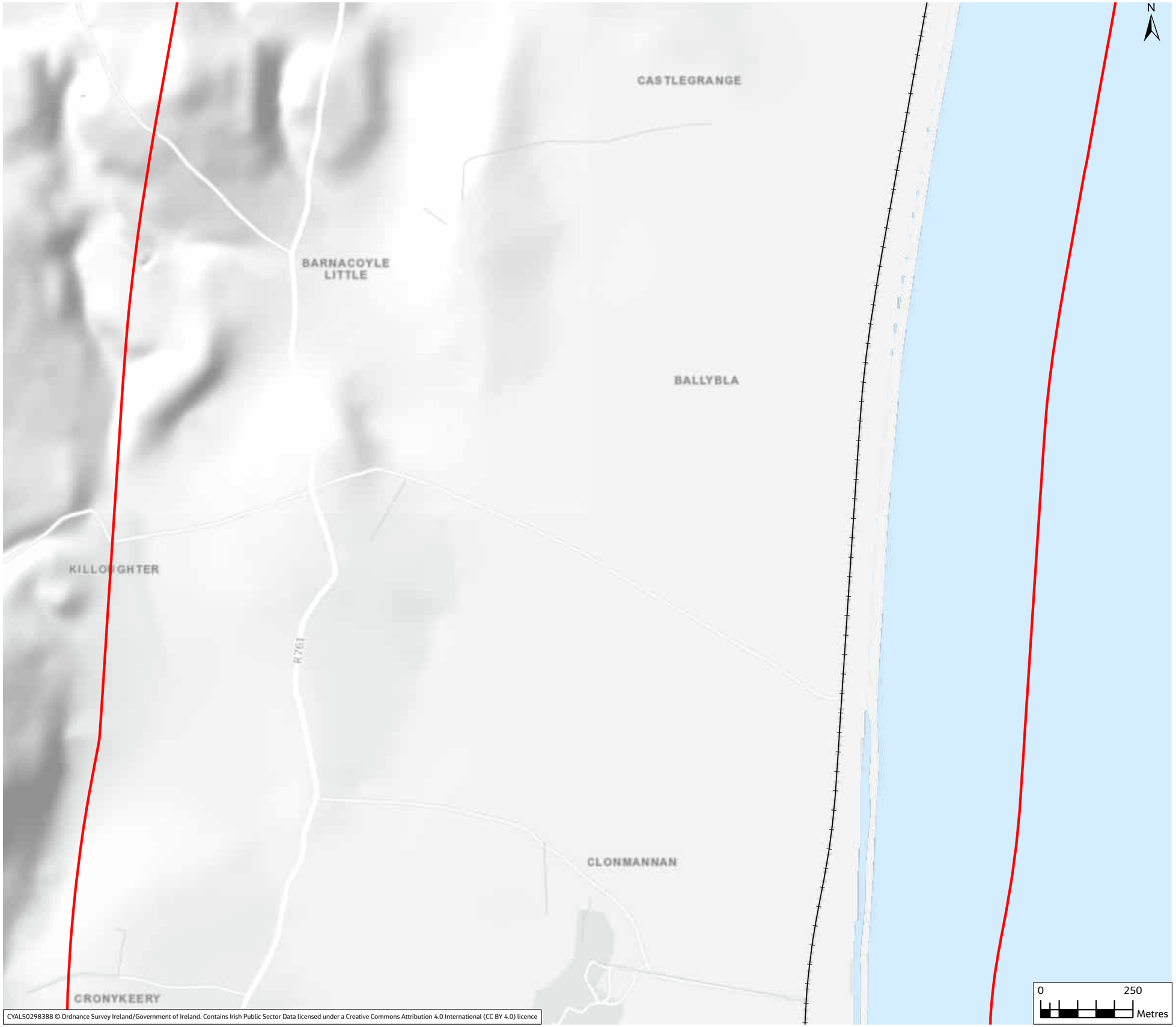

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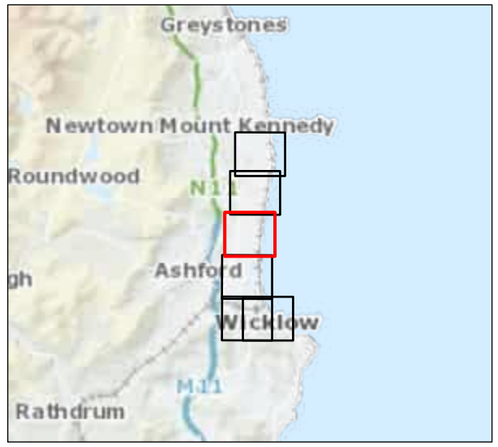
FIGURE 3.1.2

Legend

- CCA6.2 Study Area
- Railway Network Centreline



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V01	Mar 2024	FOR REVIEW	MS	PR	JD	DK

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Iarnród Éireann Infrastructure

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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

State Code	Phase 2		
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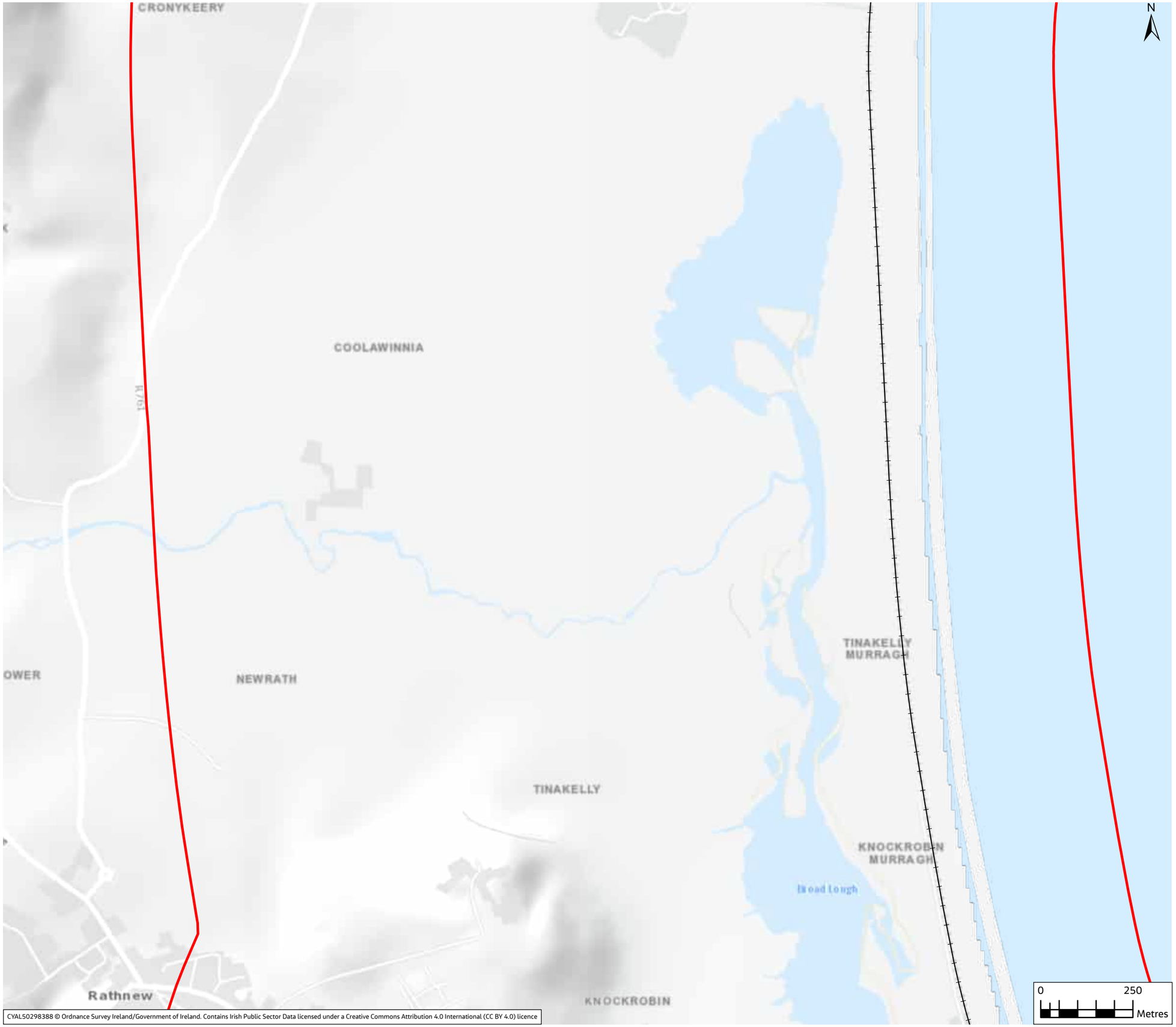

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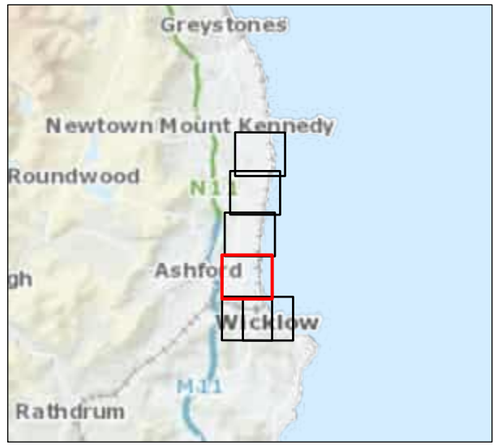
FIGURE 3.1.2

Legend

- CCA6.2 Study Area
- Railway Network Centreline



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Drawing Title

Figure 3.1.2
CCA6.2- Environmental Constraints - Other Designated Protected Sites
(Page 4 of 6)

Drawing Status	ISSUE FOR ACCEPTANCE		
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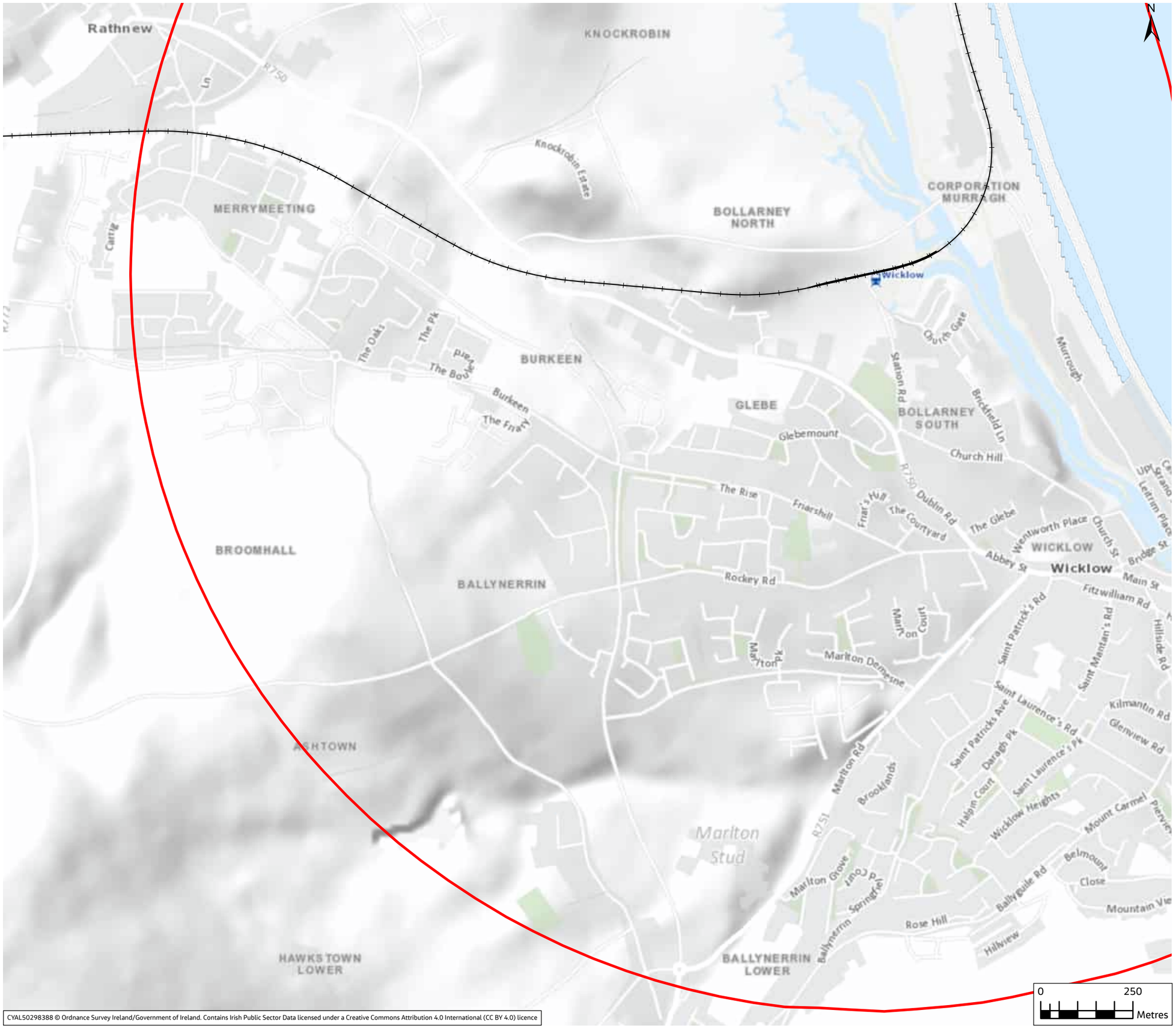

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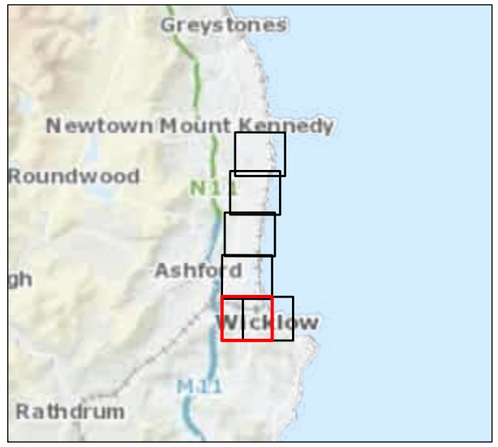
FIGURE 3.1.2

Legend

- CCA6.2 Study Area
- Railway Network Centreline



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Drawing Title

Figure 3.1.2
CCA6.2- Environmental Constraints - Other Designated Protected Sites
(Page 5 of 6)

Drawing Status: ISSUE FOR ACCEPTANCE

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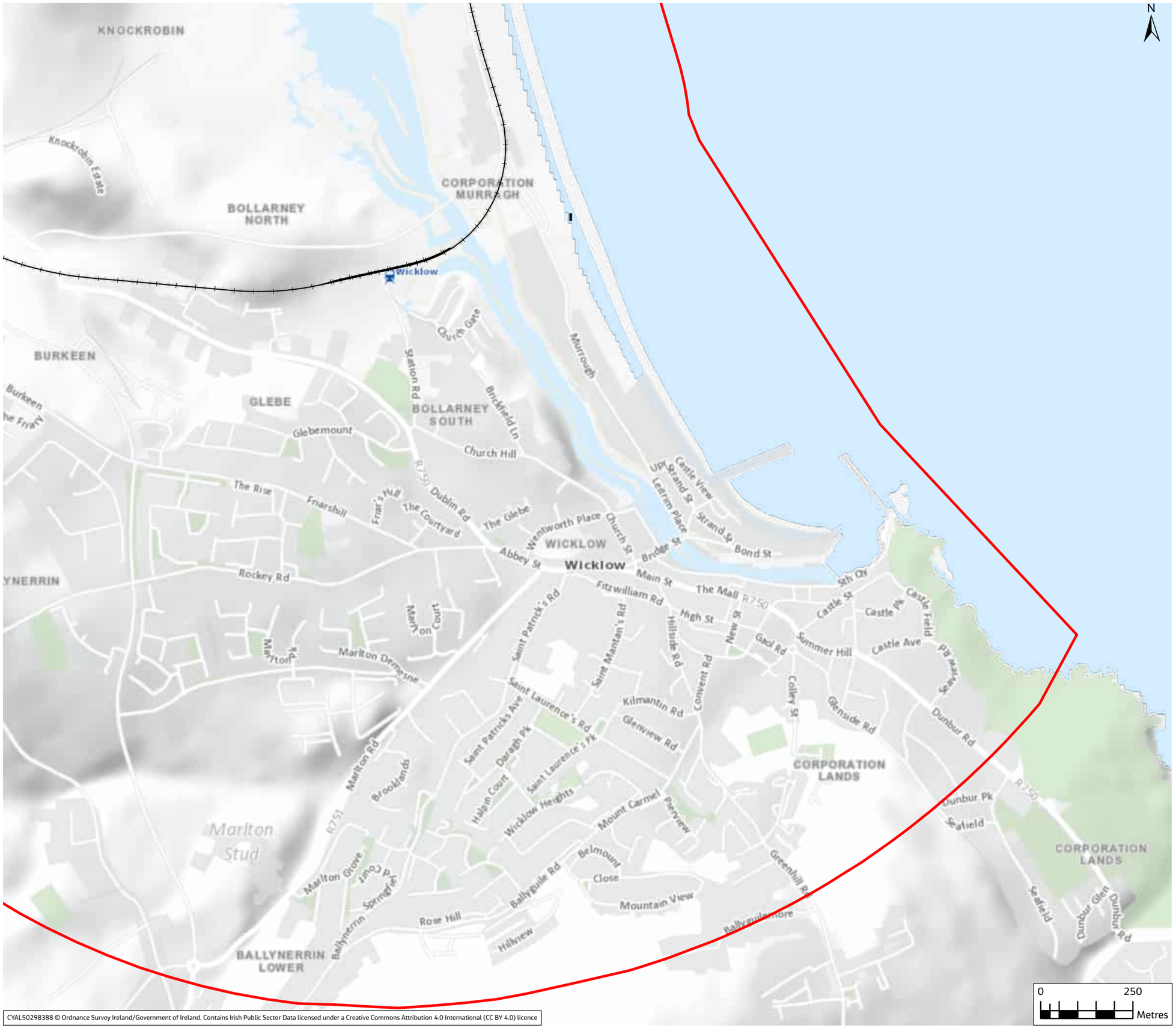

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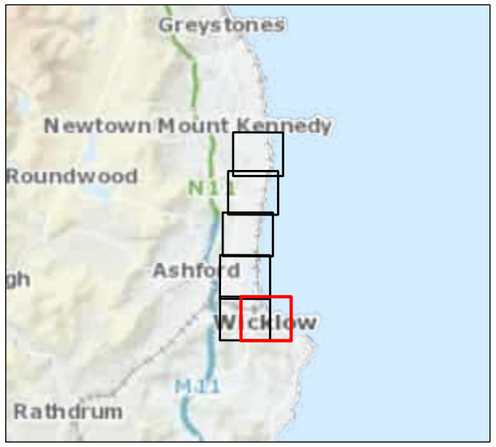
FIGURE 3.1.2

Legend

- CCA6.2 Study Area
- Railway Network Centreline



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Drawing Title

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

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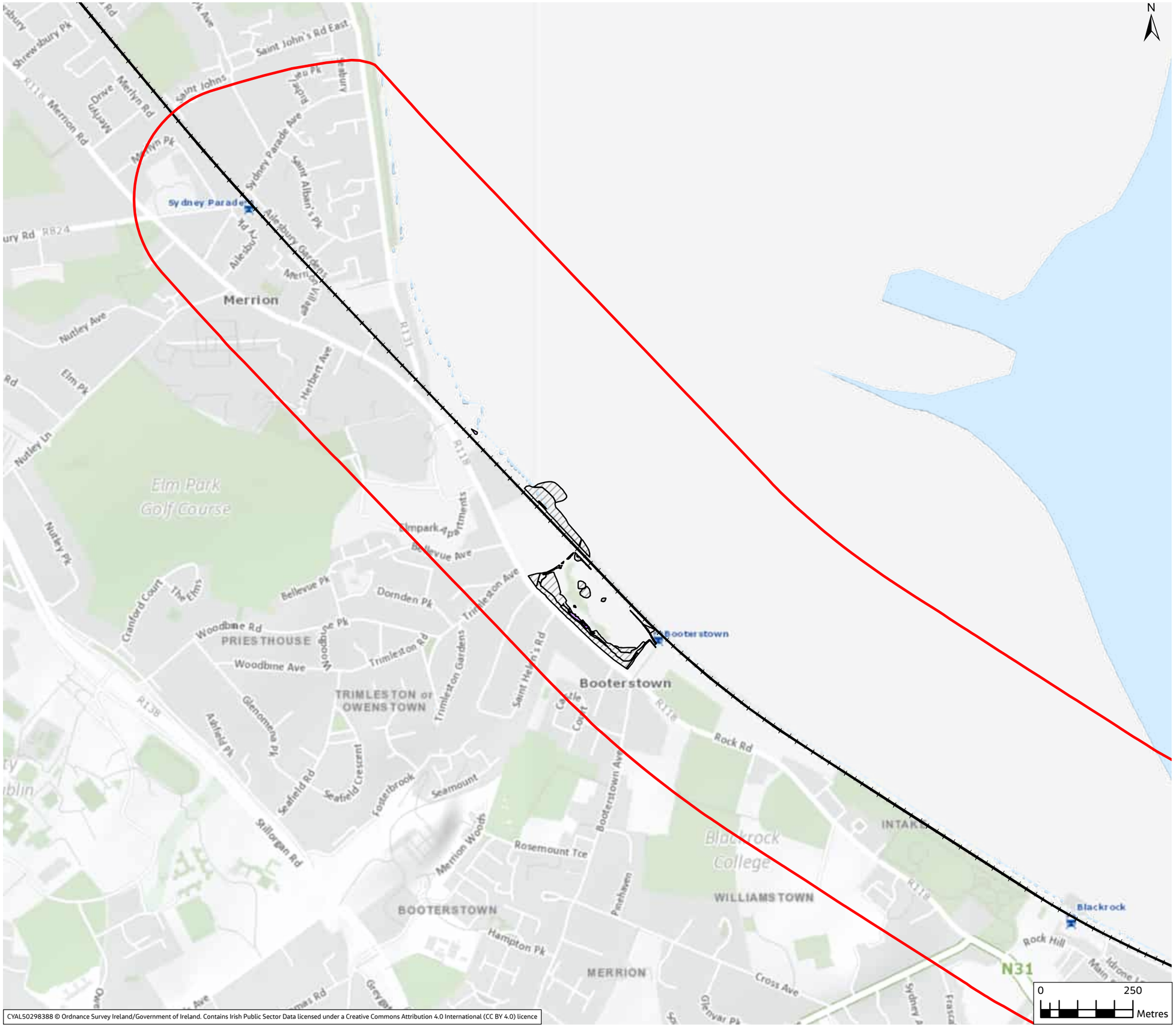

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FIGURE 3.2

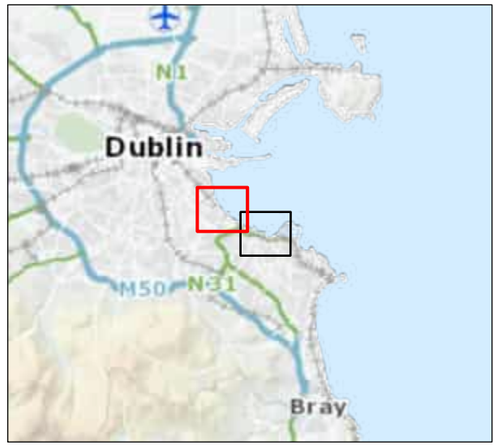
Legend

- 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 maritimae*)
- 1410 Mediterranean salt meadows (*Juncetalia maritimi*)
- Other (non saltmarsh habitats)



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Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

State Code	Phase 2		
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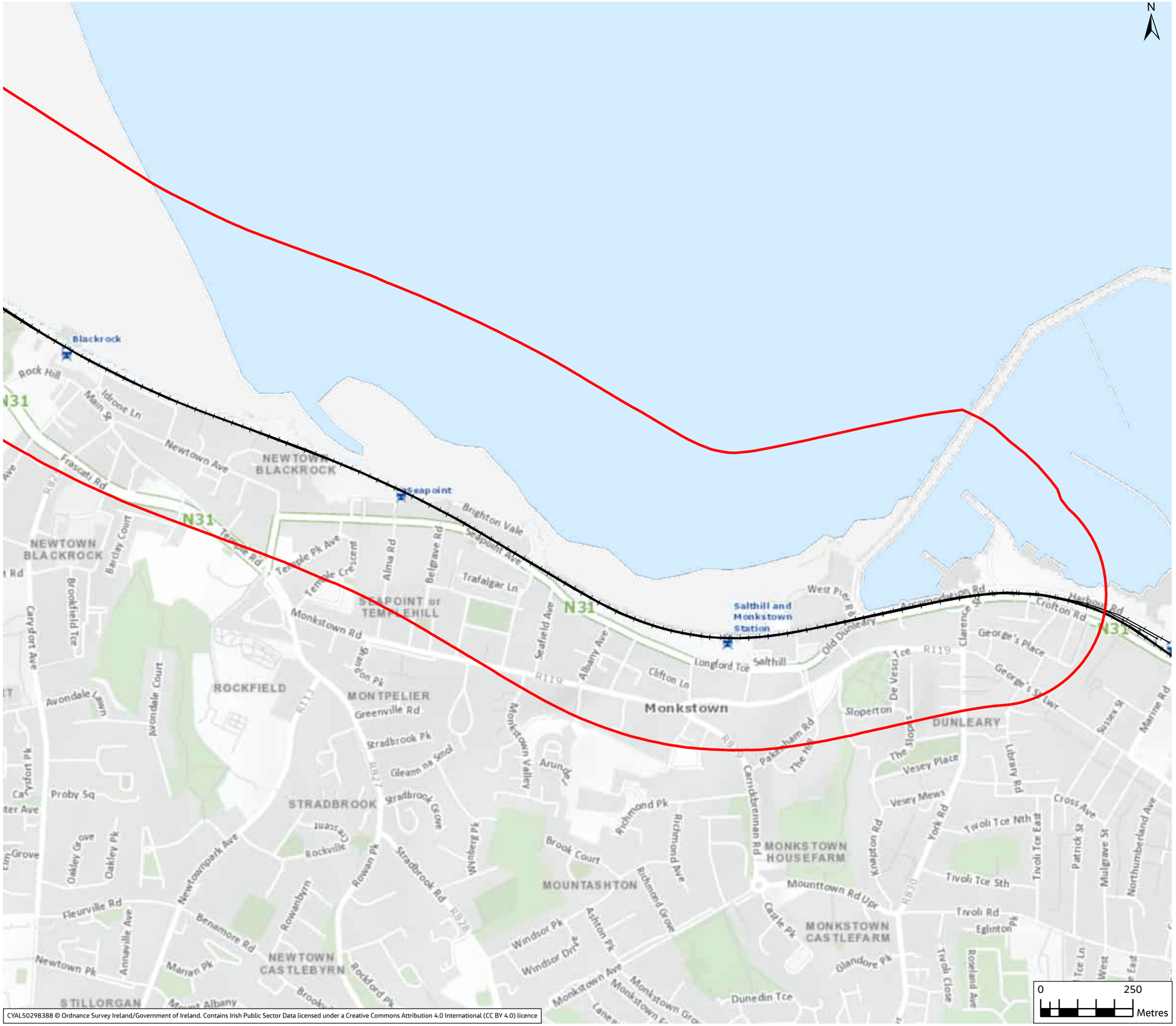

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FIGURE 3.2

Legend

- CCA1 Study Area
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Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

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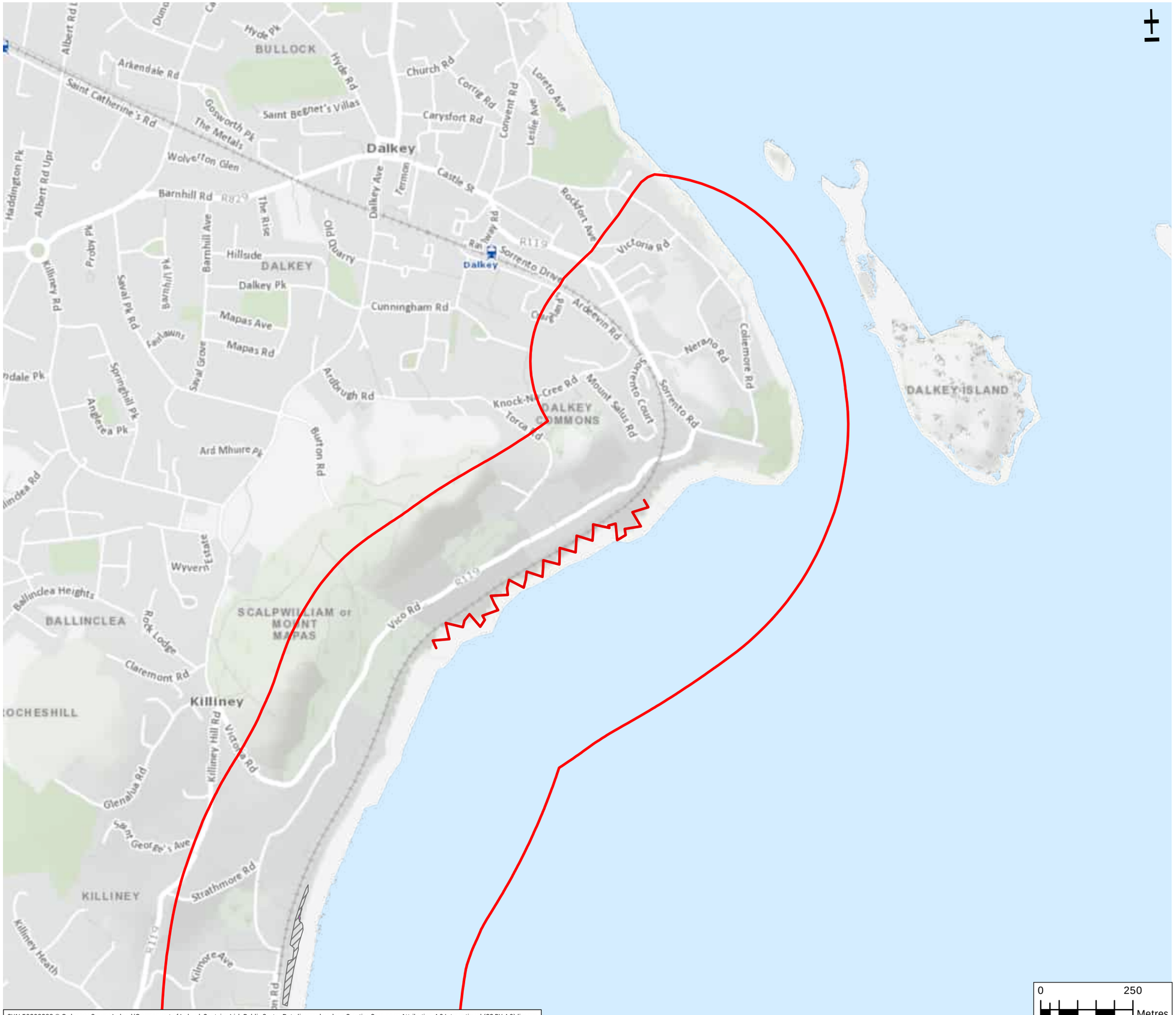

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0 250 Metres

FIGURE 3.2

Legend

CCA2-3 - Dalkey Tunnel to Killiney south

NPWS National Seacliff Survey 2009-2011

Condition Assessment

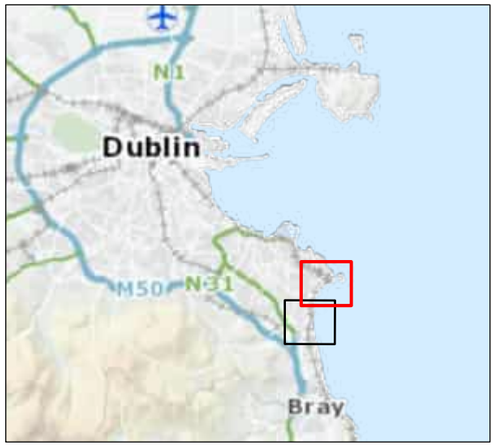
Unfavourable - Bad

NPWS Coastal Monitoring Project 2004 2006

Annex I Habtiats

2110 Embryonic shifting dunes

Non Annex I Habitats



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Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

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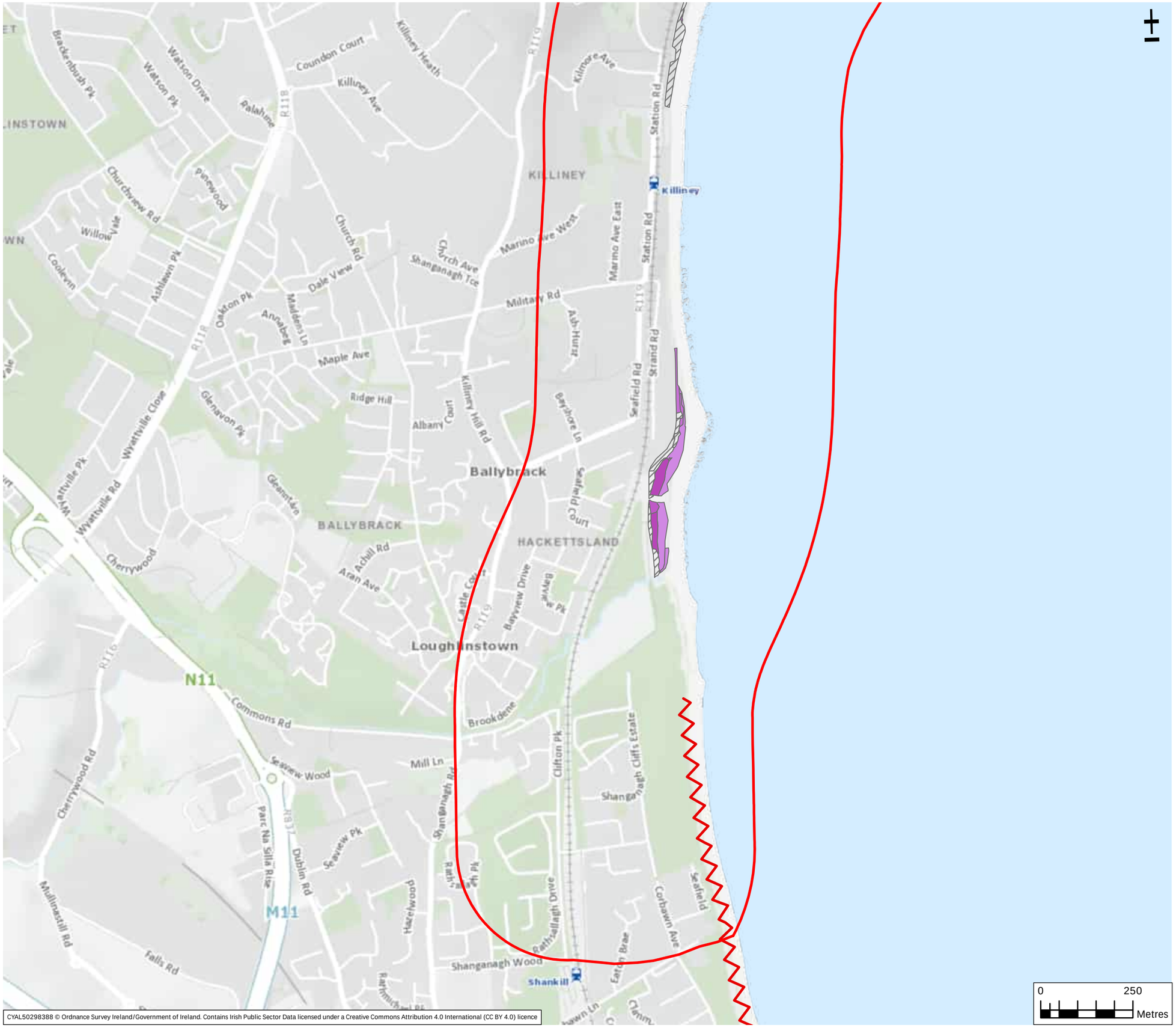
FIGURE 3.2



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Legend

CCA2-3 - Dalkey Tunnel to Killiney south

NPWS National Seacliff Survey 2009-2011

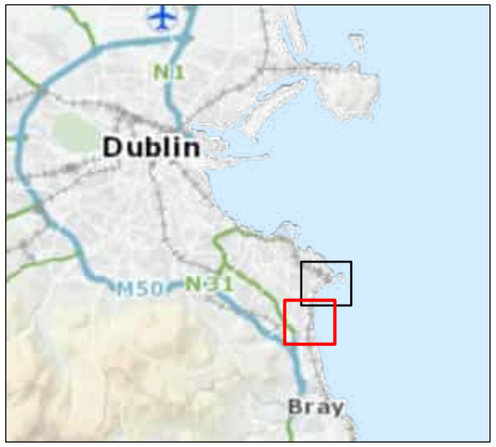
Condition Assessment

Unfavourable - Bad

NPWS Coastal Monitoring Project 2004 2006

Annex I Habtiats

- 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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Drawing Title

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

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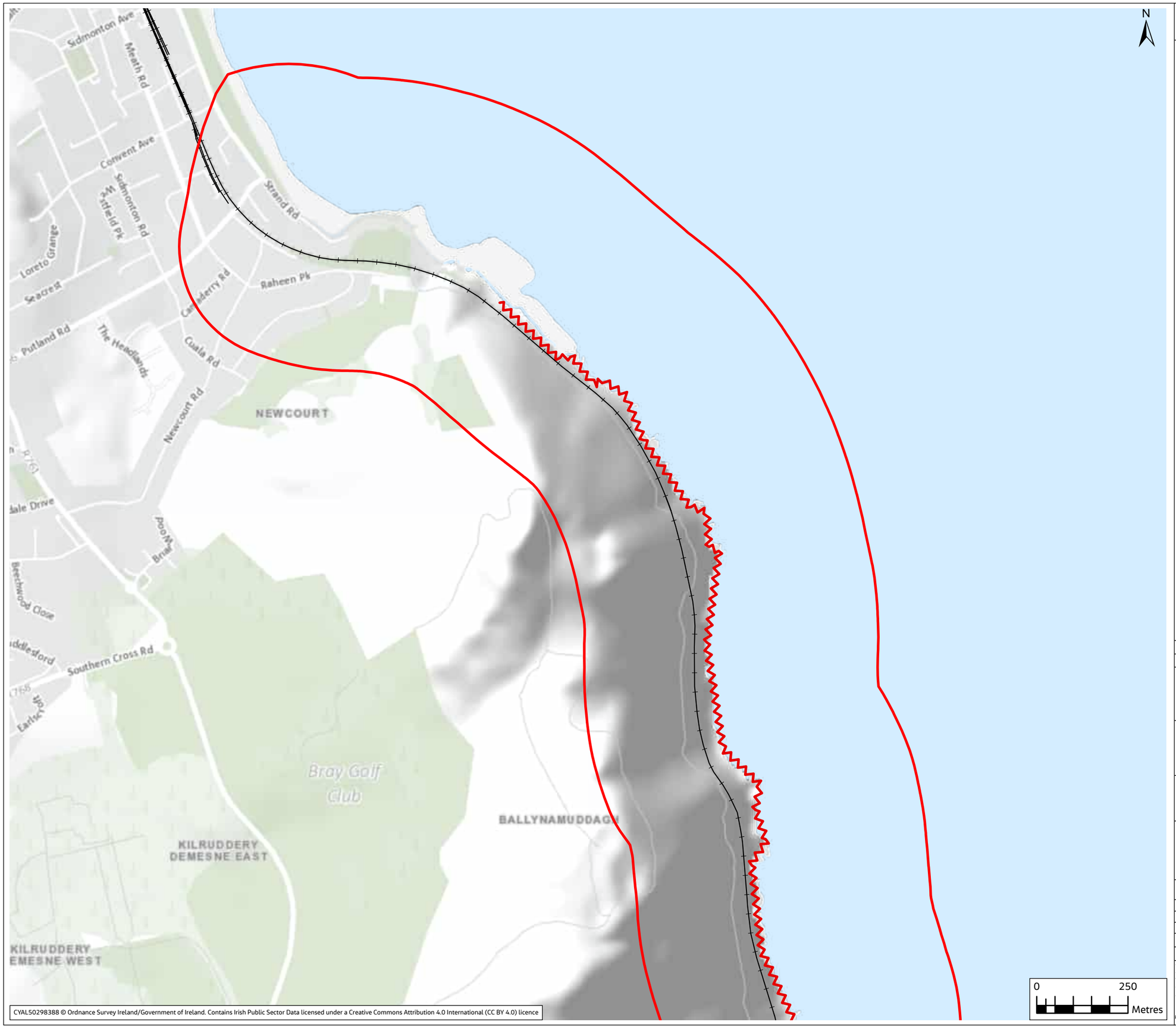

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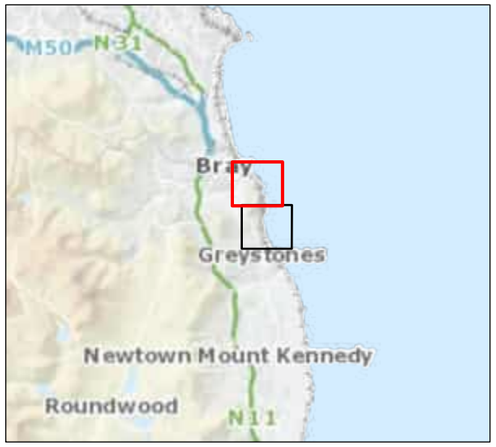
FIGURE 3.2

Legend

- CCA5 Study Area
- Railway Network Centreline

NPWS National Seacliff Survey 2009-2011

- Unfavourable - Bad



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Drawing Title

Figure 3.2
CCA5- Environmental Constraints - Priority Habitat and Species
(Page 1 of 2)

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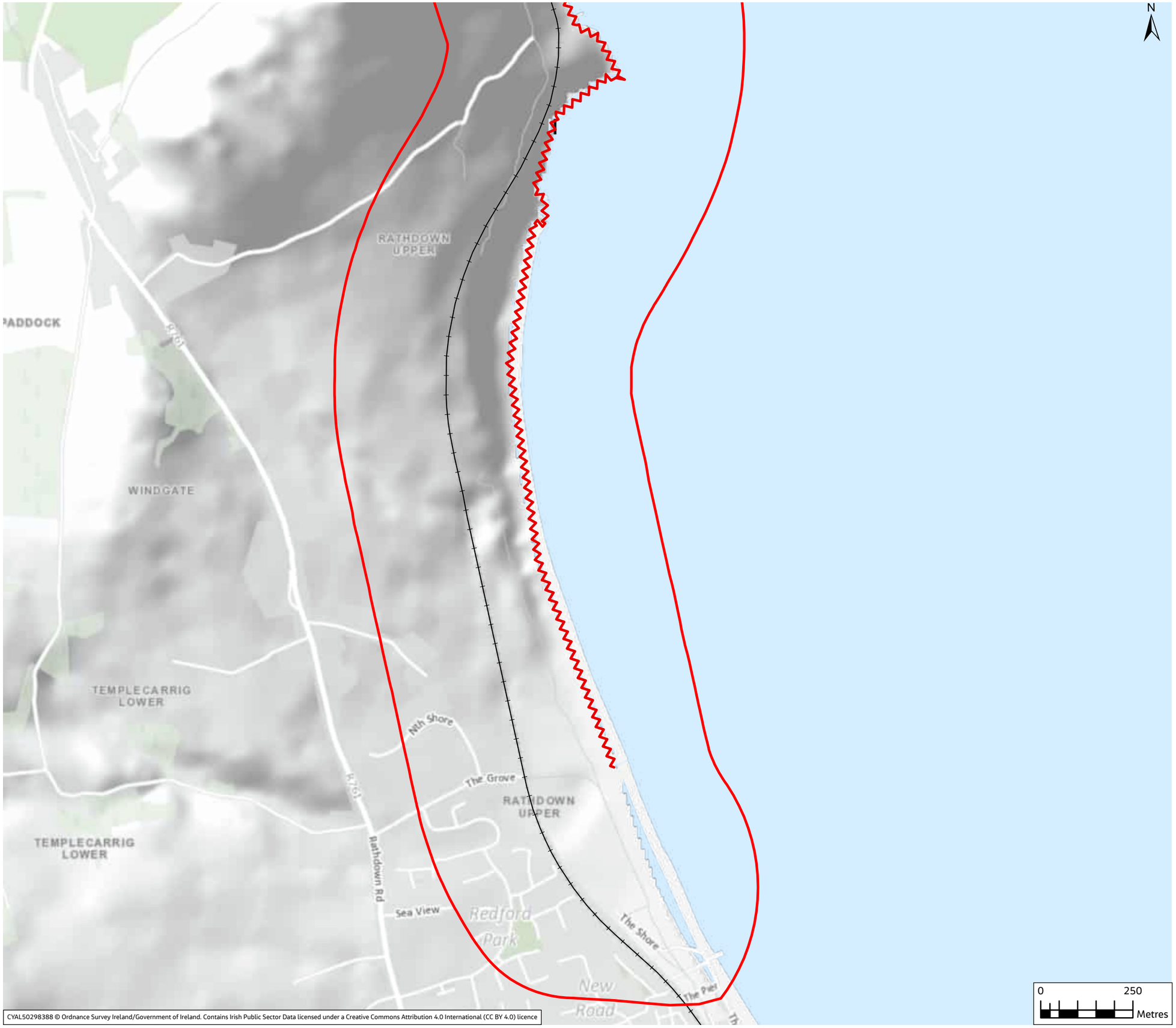

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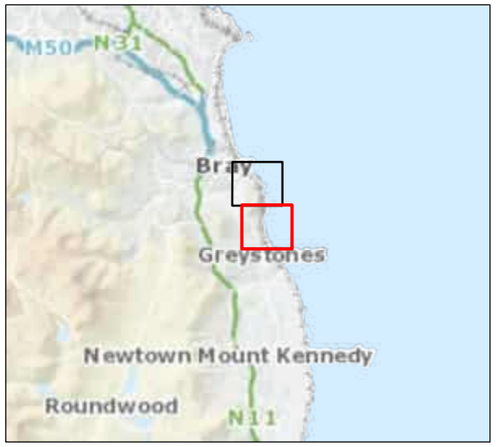
FIGURE 3.2

Legend

- CCA5 Study Area
- Railway Network Centreline

NPWS National Seacliff Survey 2009-2011

- Unfavourable - Bad



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Drawing Title

Figure 3.2
CCA5- Environmental Constraints - Priority Habitat and Species
(Page 2 of 2)

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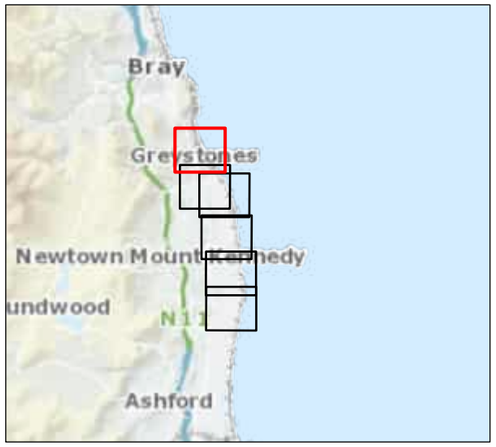
FIGURE 3.2

Legend

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



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

Client

Iarnród Éireann Infrastructure

Designer

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Project

7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

State Code	Phase 2		
Scale @ A3	1:10,000	DO NOT SCALE	
Jacobs No.	D3658301	Rev	V01
Client No.	8093		
Drawing No.	7964-CCA6_1-P2-DWG-EV-JAC-3016		

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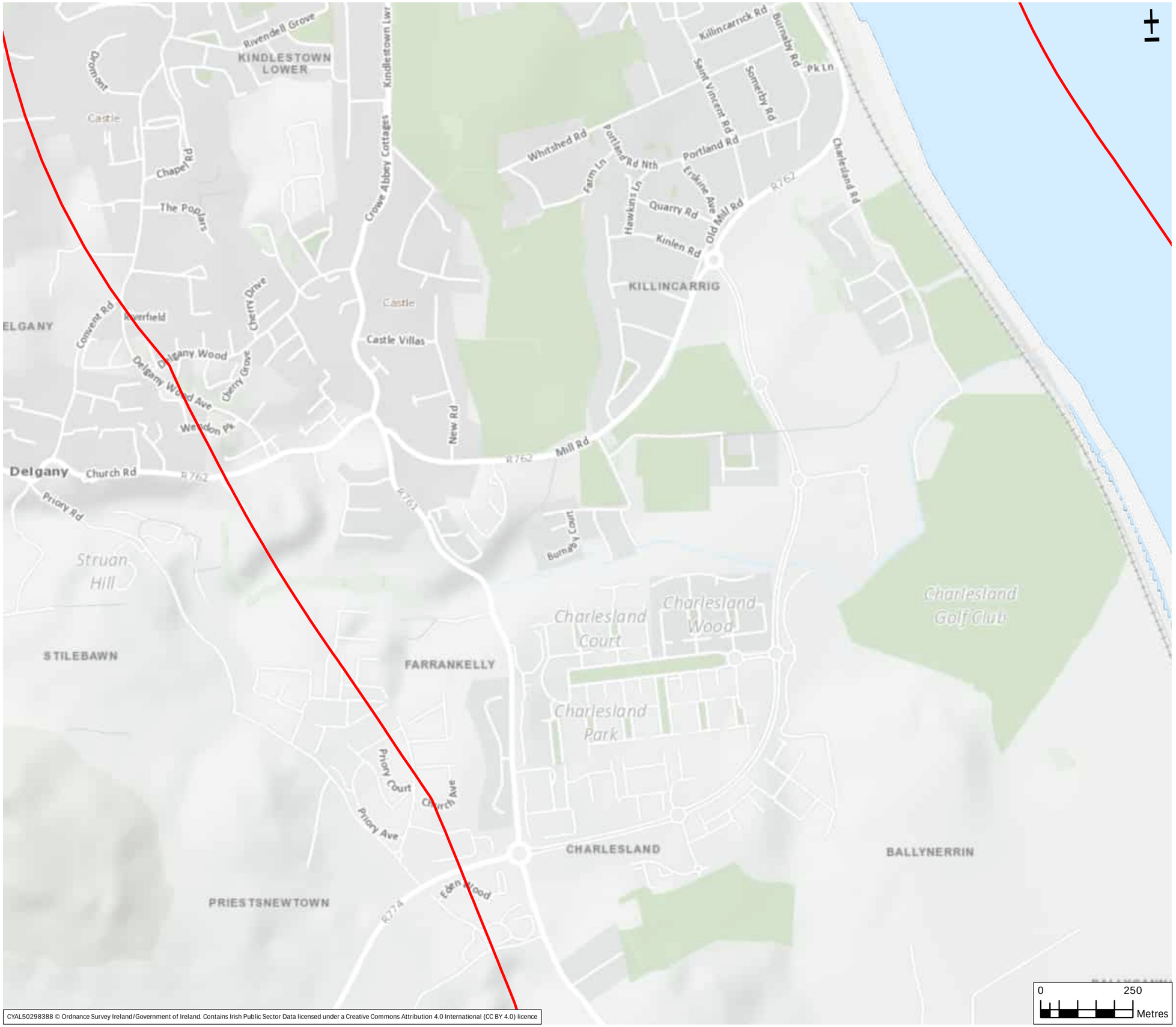

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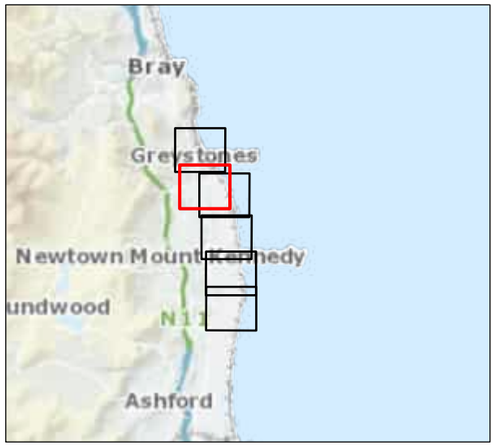
FIGURE 3.2

Legend

CCA6.1 Study Area



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Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

State Code	Phase 2	
Scale @ A3	1:10,000	DO NOT SCALE
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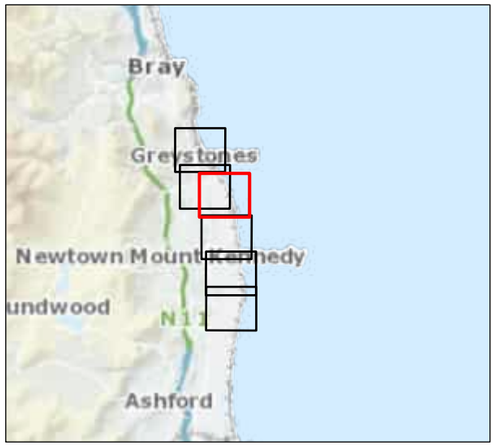
FIGURE 3.2

Legend

CCA6.1 Study Area



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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

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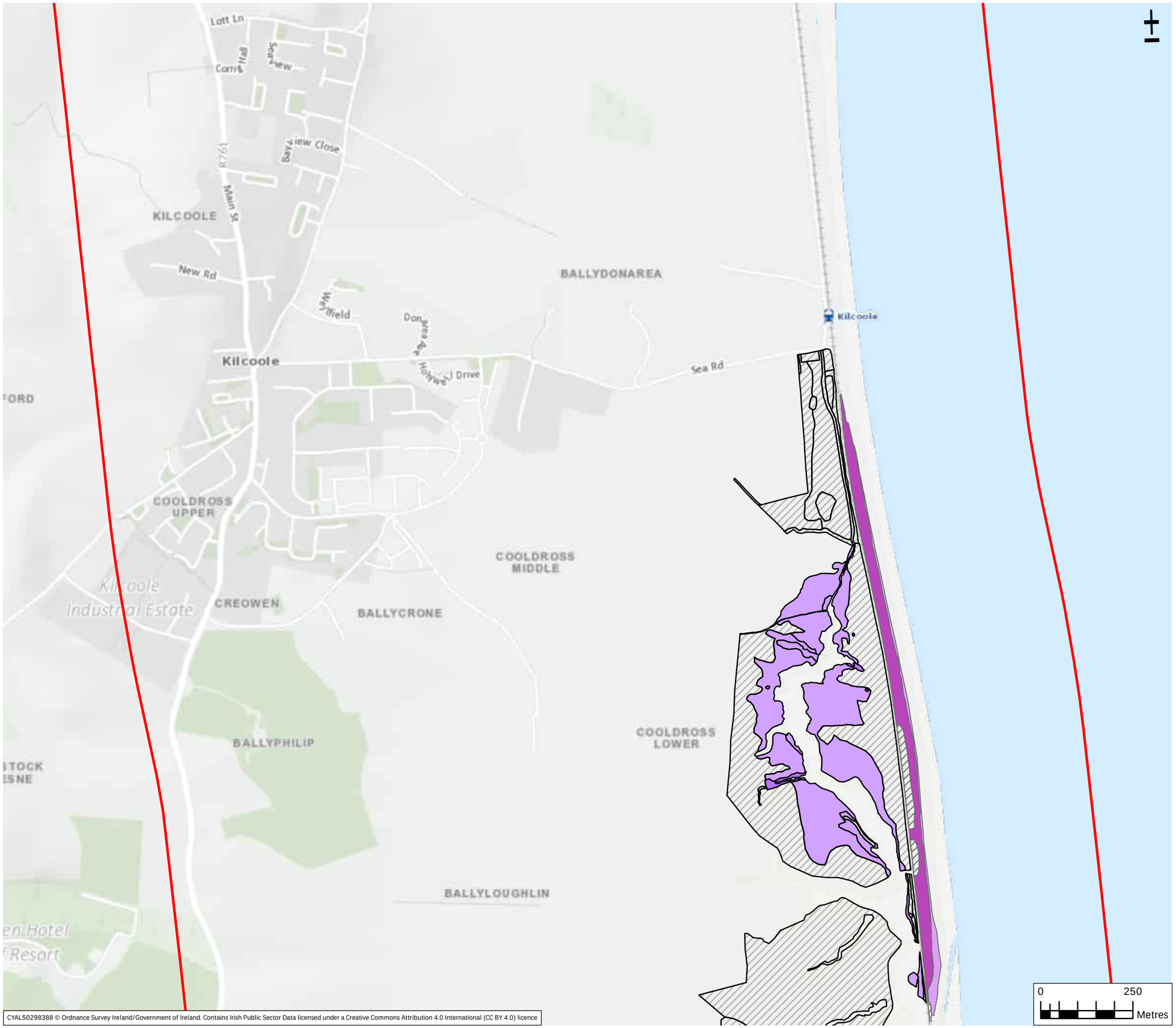

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FIGURE 3.2

Legend

- CCA6.1 Study Area

NPWS Coastal Monitoring Project 2004 2006

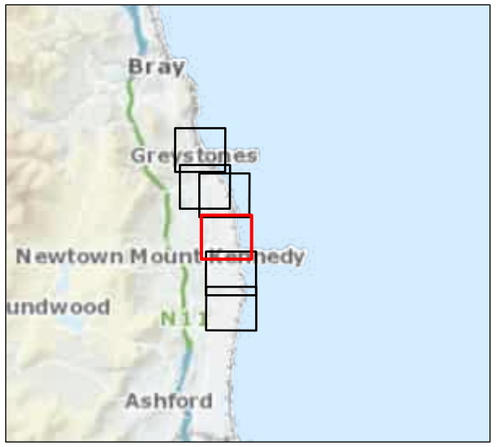
Annex I Habtiats

- 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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Drawing Title

Figure 3.2
CCA6.1- Environmental Constraints - Priority Habitat and Species
(Page 4 of 6)

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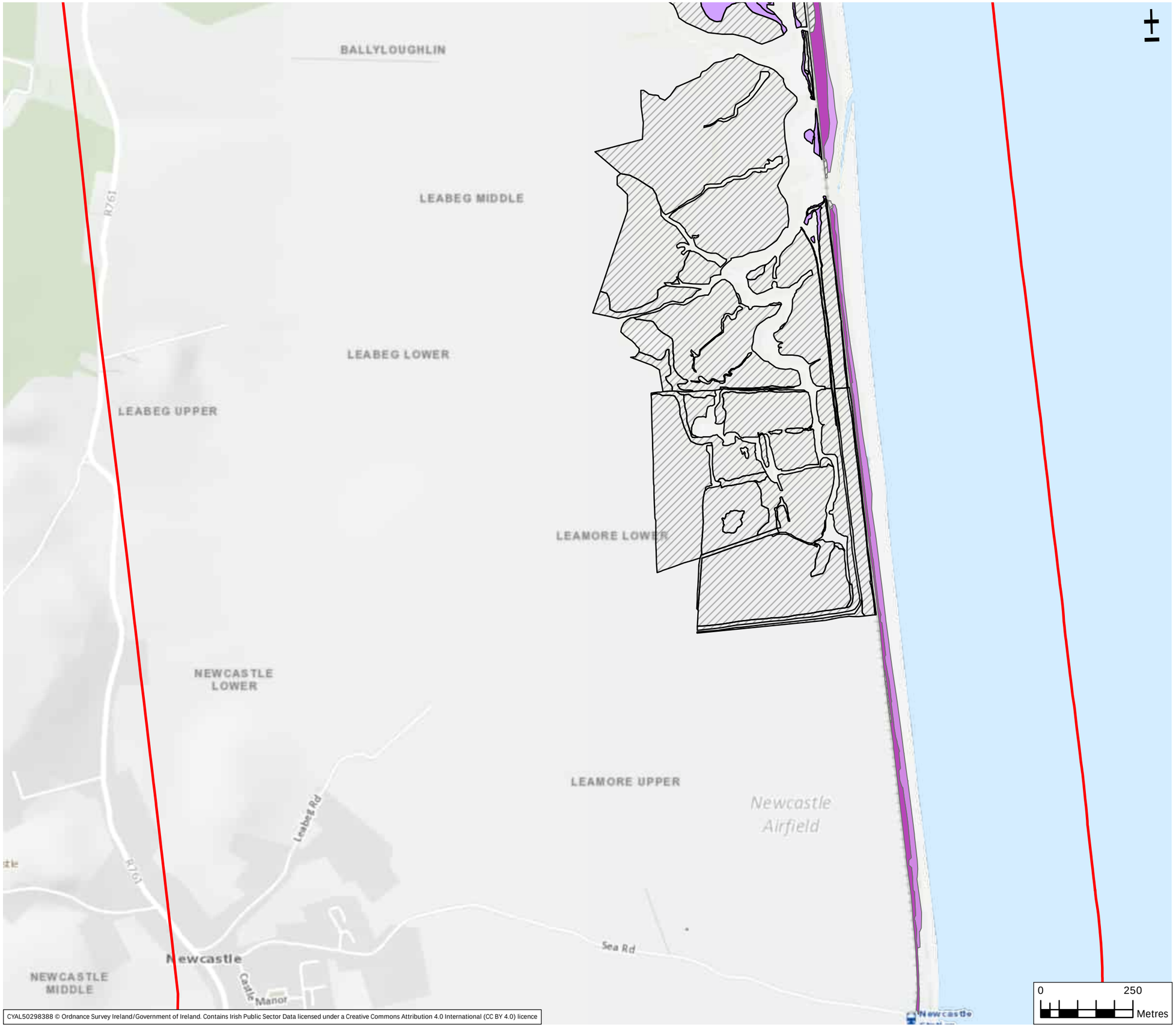

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FIGURE 3.2

Legend

- CCA6.1 Study Area

NPWS Coastal Monitoring Project 2004 2006

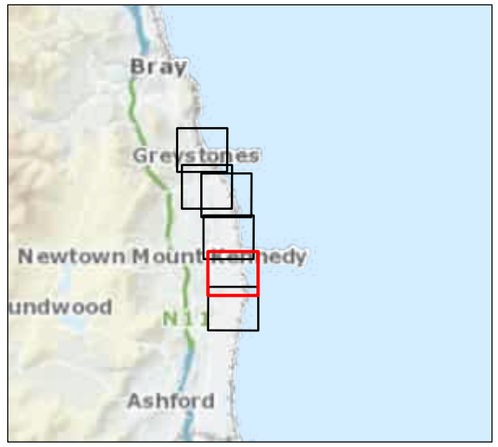
Annex I Habtiats

- 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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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 3.2
CCA6.1- Environmental Constraints - Priority Habitat and Species
(Page 5 of 6)

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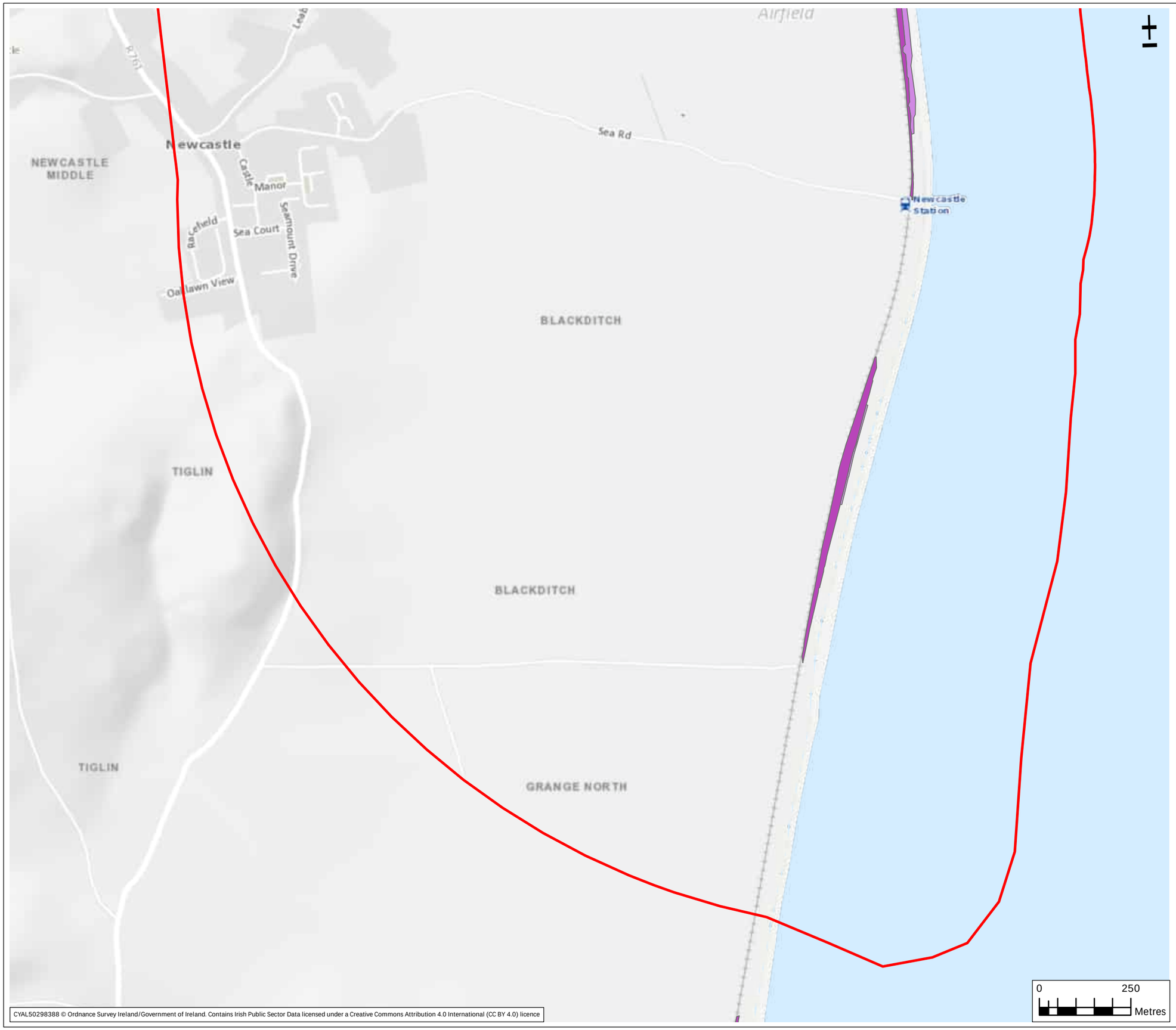

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FIGURE 3.2

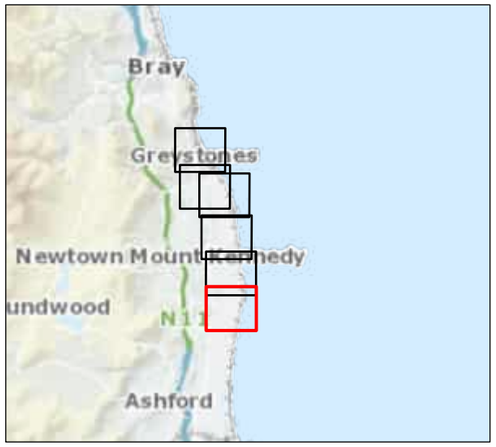
Legend

- CCA6.1 Study Area

NPWS Coastal Monitoring Project 2004 2006

Annex I Habtiats

- 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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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

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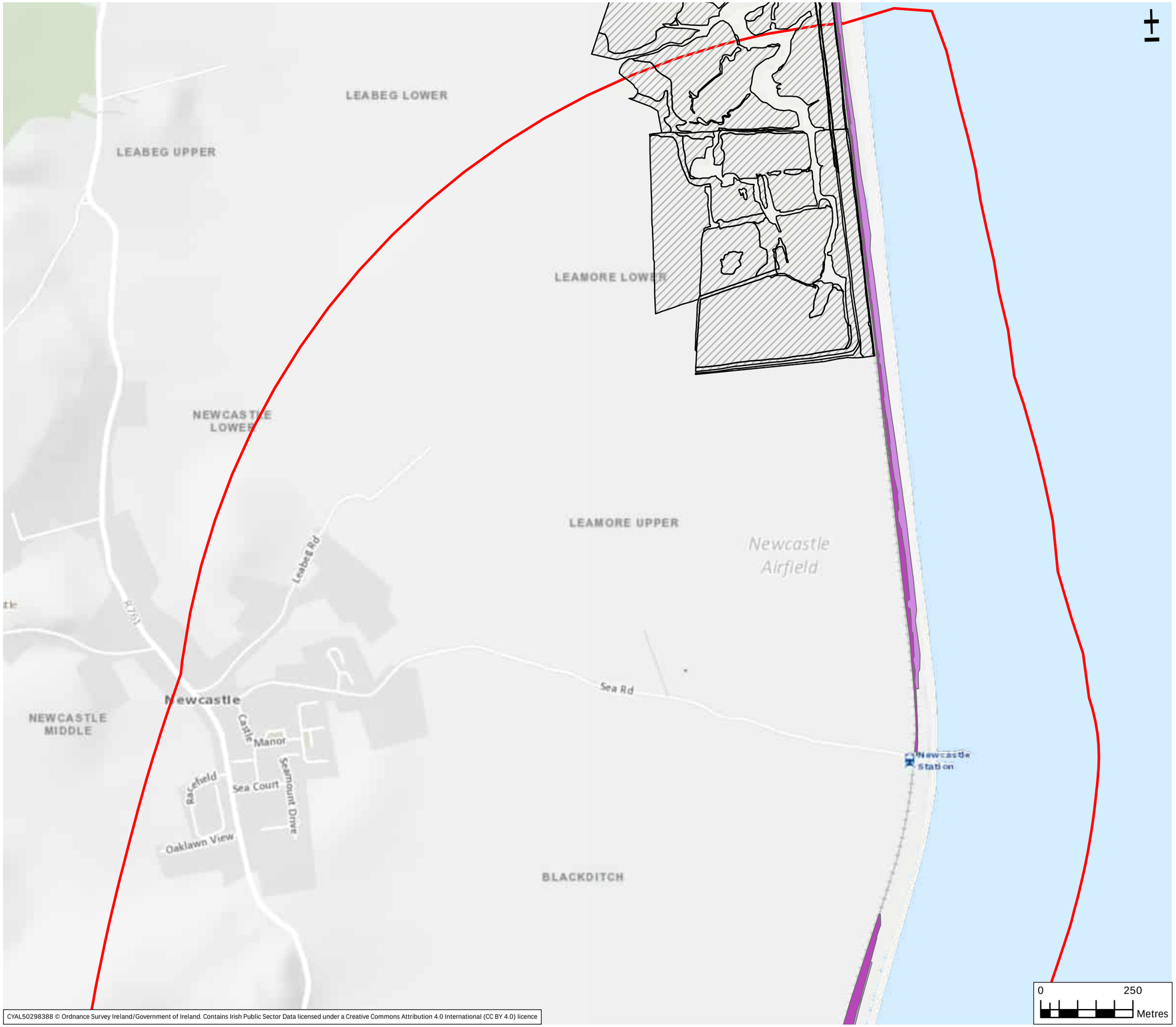

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FIGURE 3.2

Legend

- CCA6.2 Study Area

NPWS Coastal Monitoring Project 2004 2006

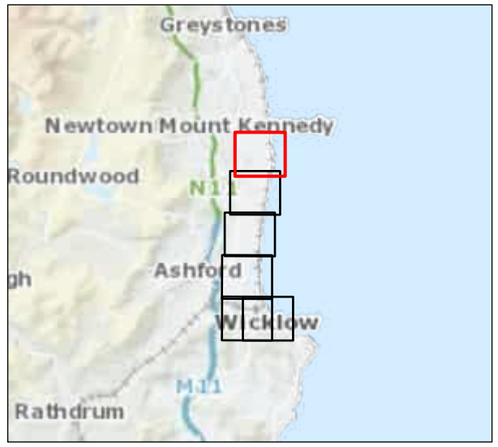
Annex I Habtiats

- 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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Drawing Title

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

Drawing Status	ISSUE FOR ACCEPTANCE	
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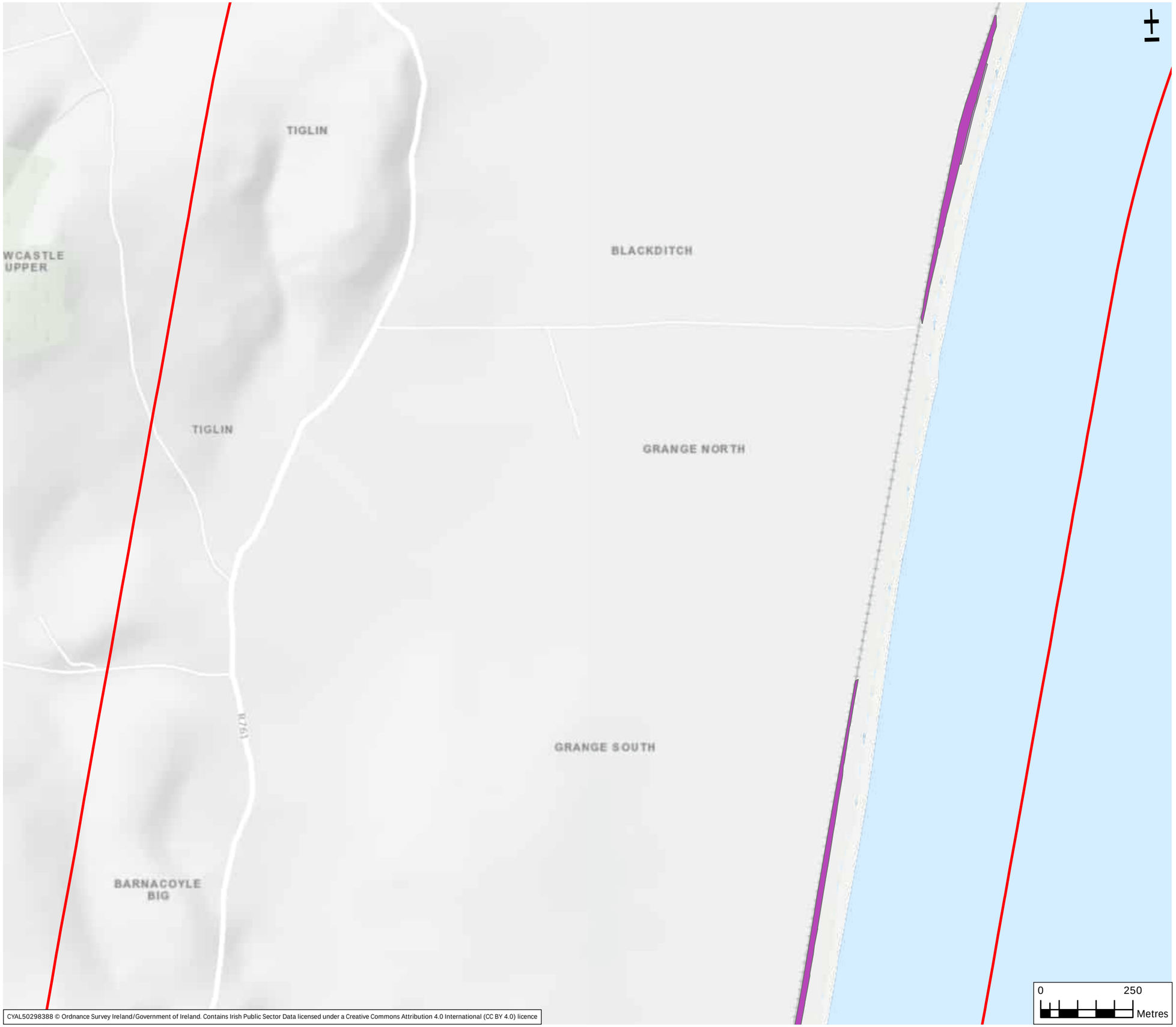

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FIGURE 3.2

Legend

- CCA6.2 Study Area

NPWS Coastal Monitoring Project 2004 2006

Annex I Habtiats

- 1210 Annual vegetation of drift lines
- 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')

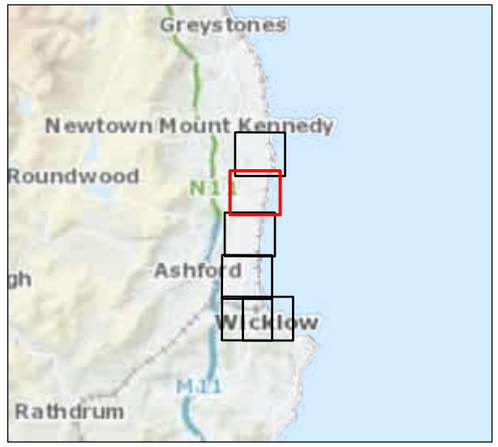

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Figure 3.2
CCA6.2- Environmental Constraints - Priority Habitat and Species
(Page 2 of 6)

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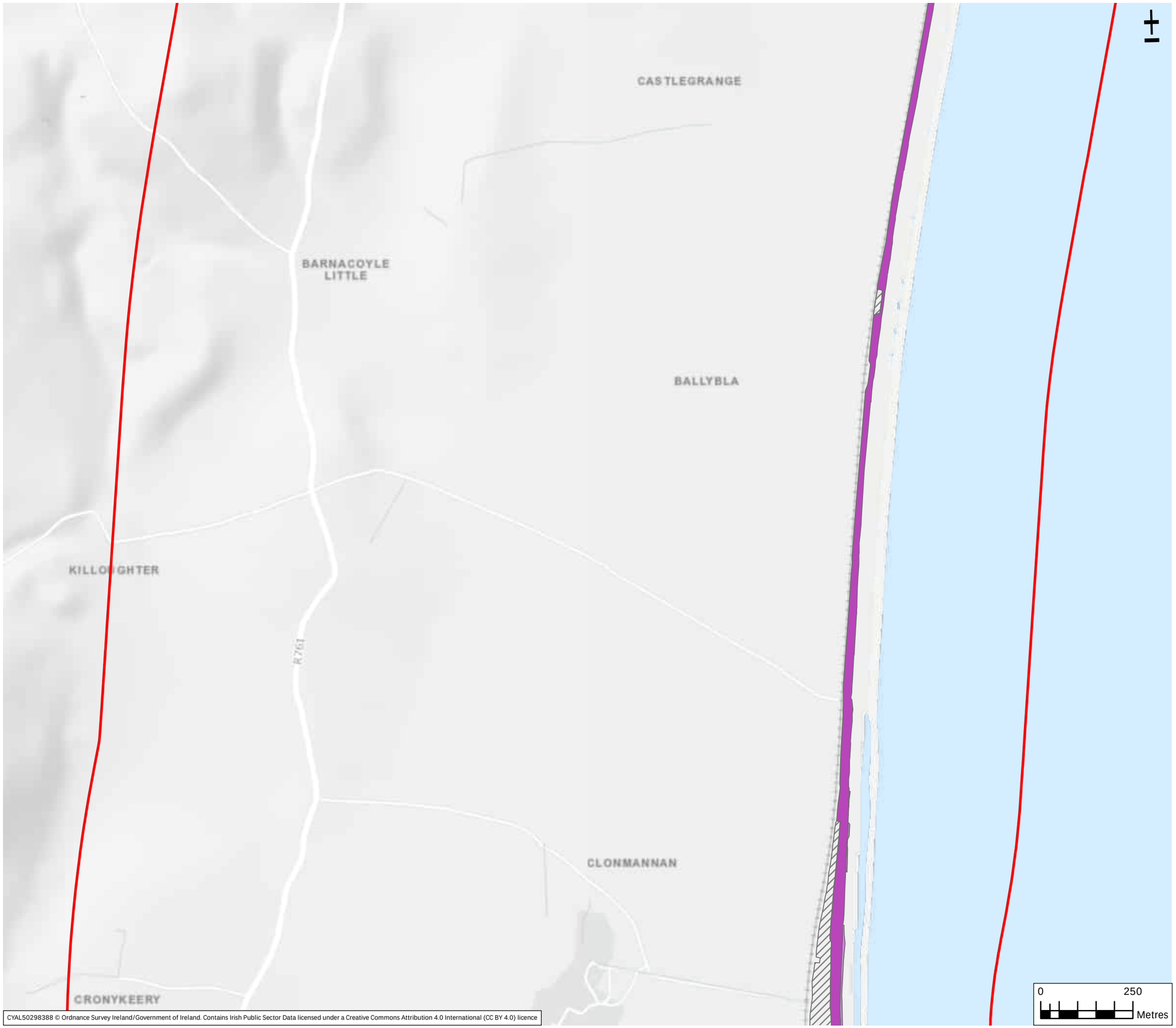

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FIGURE 3.2

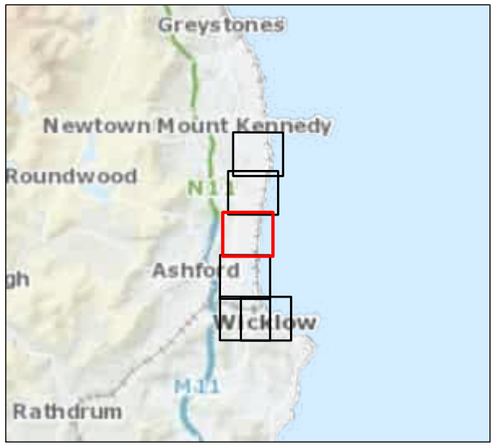
Legend

- CCA6.2 Study Area

NPWS Coastal Monitoring Project 2004 2006

Annex I Habtiats

- 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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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 3.2
CCA6.2- Environmental Constraints - Priority Habitat and Species
(Page 3 of 6)

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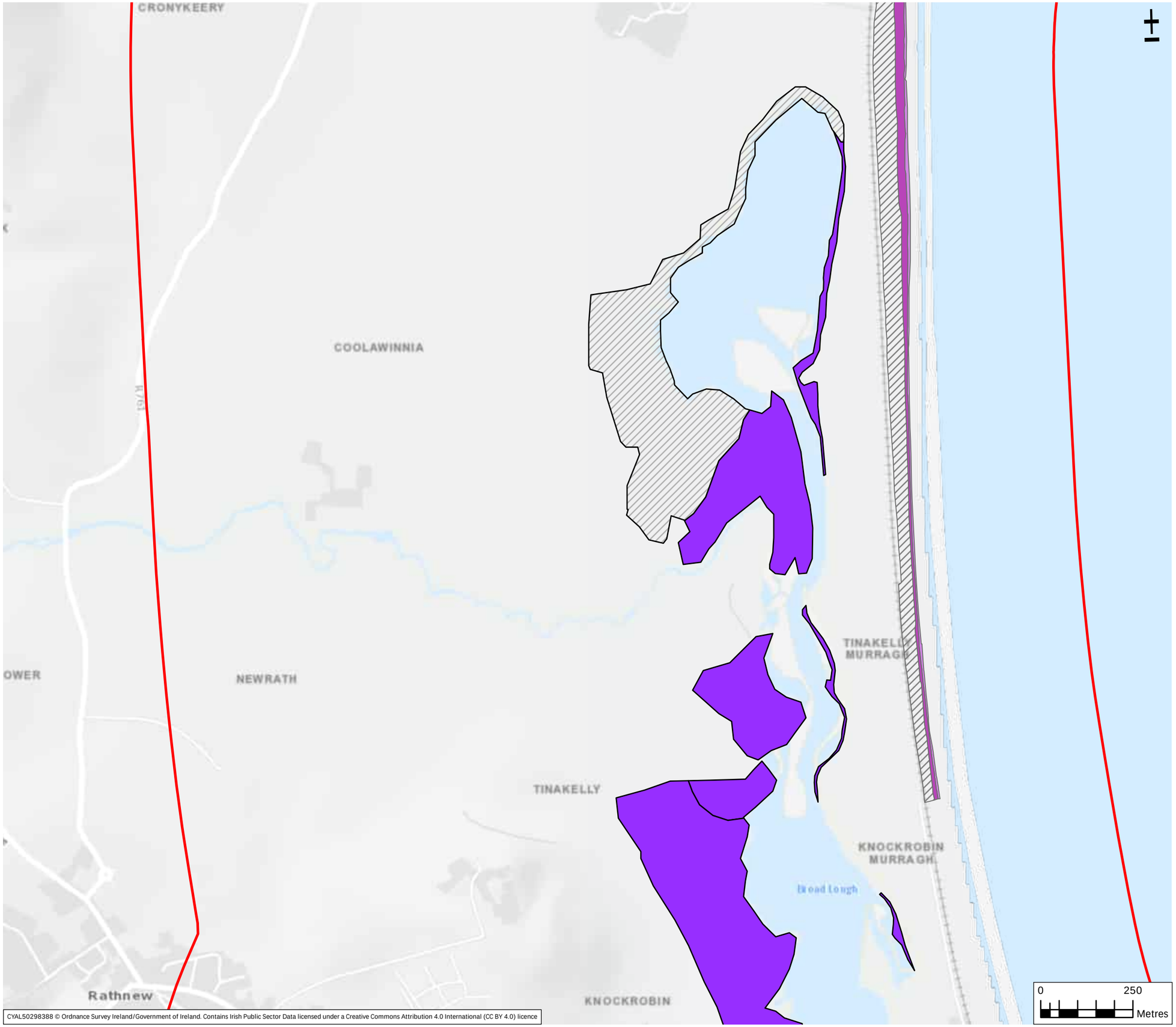

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FIGURE 3.2

Legend

- CCA6.2 Study Area

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Annex I Habtiats

- 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

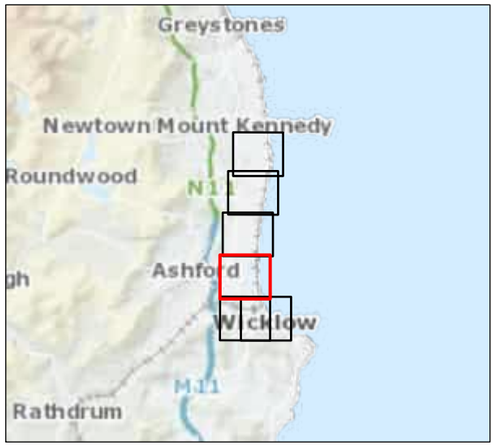

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Figure 3.2
CCA6.2- Environmental Constraints - Priority Habitat and Species
(Page 4 of 6)

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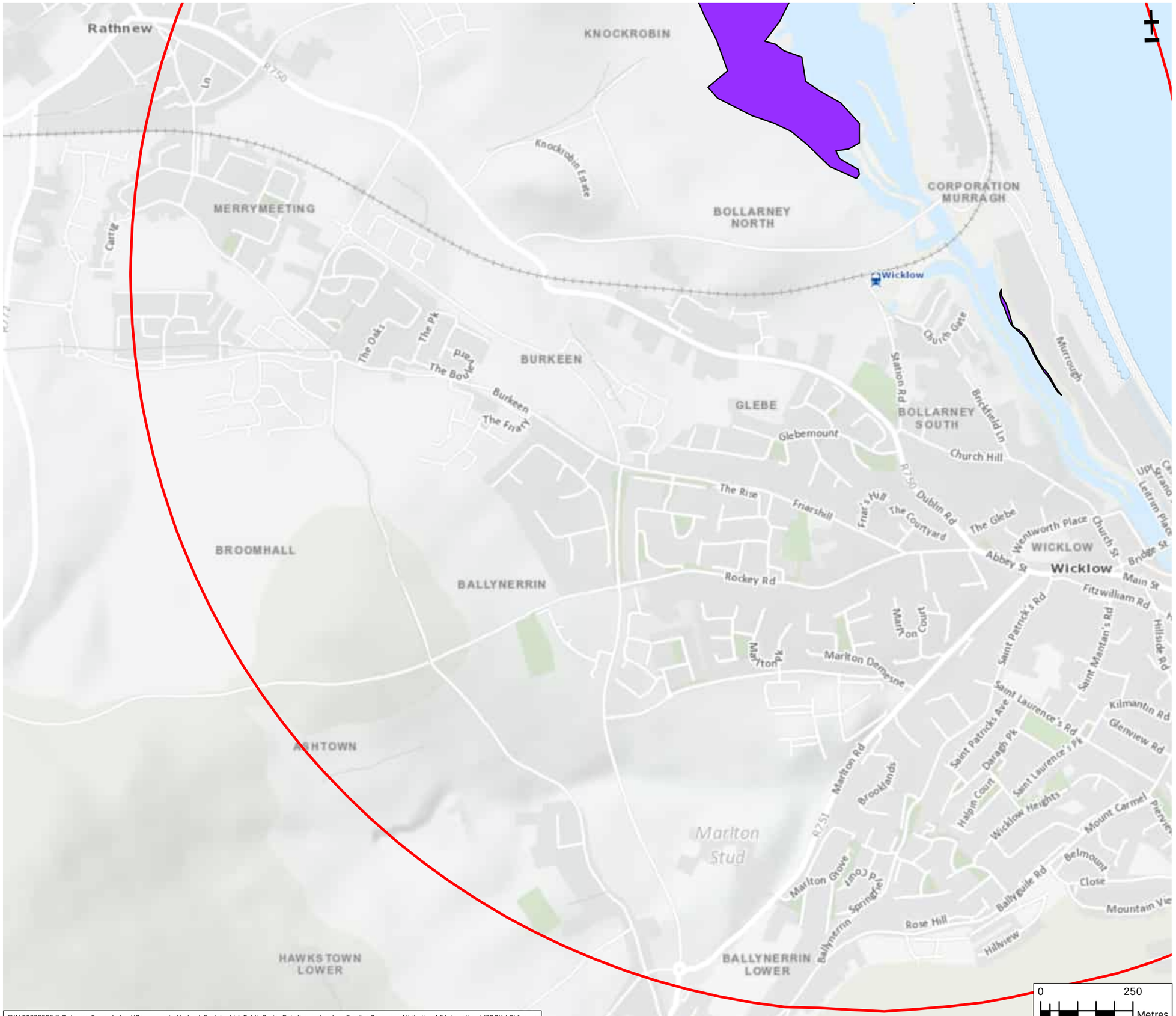

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FIGURE 3.2

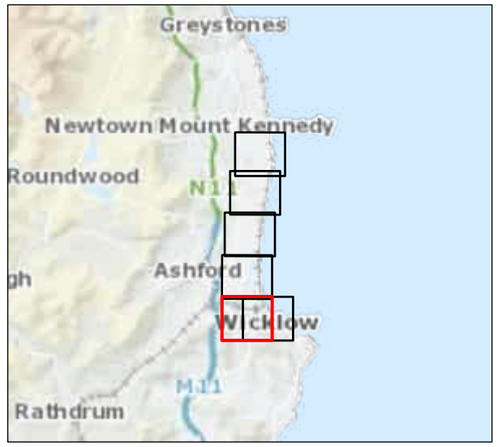
Legend

CCA6.2 Study Area

NPWS Saltmarsh Monitoring Project 2006 2008

Annex I Habitats

Potential 1330,Atlantic salt meadows (Glauco-Puccinellietalia maritimae)



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V01	Mar 2024	FOR REVIEW	MS	PR	JD	DK

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Iarnród Éireann Infrastructure

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www.jacobs.com

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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 3.2
CCA6.2- Environmental Constraints - Priority Habitat and Species
(Page 5 of 6)

Drawing Status	ISSUE FOR ACCEPTANCE		
State Code	Phase 2		
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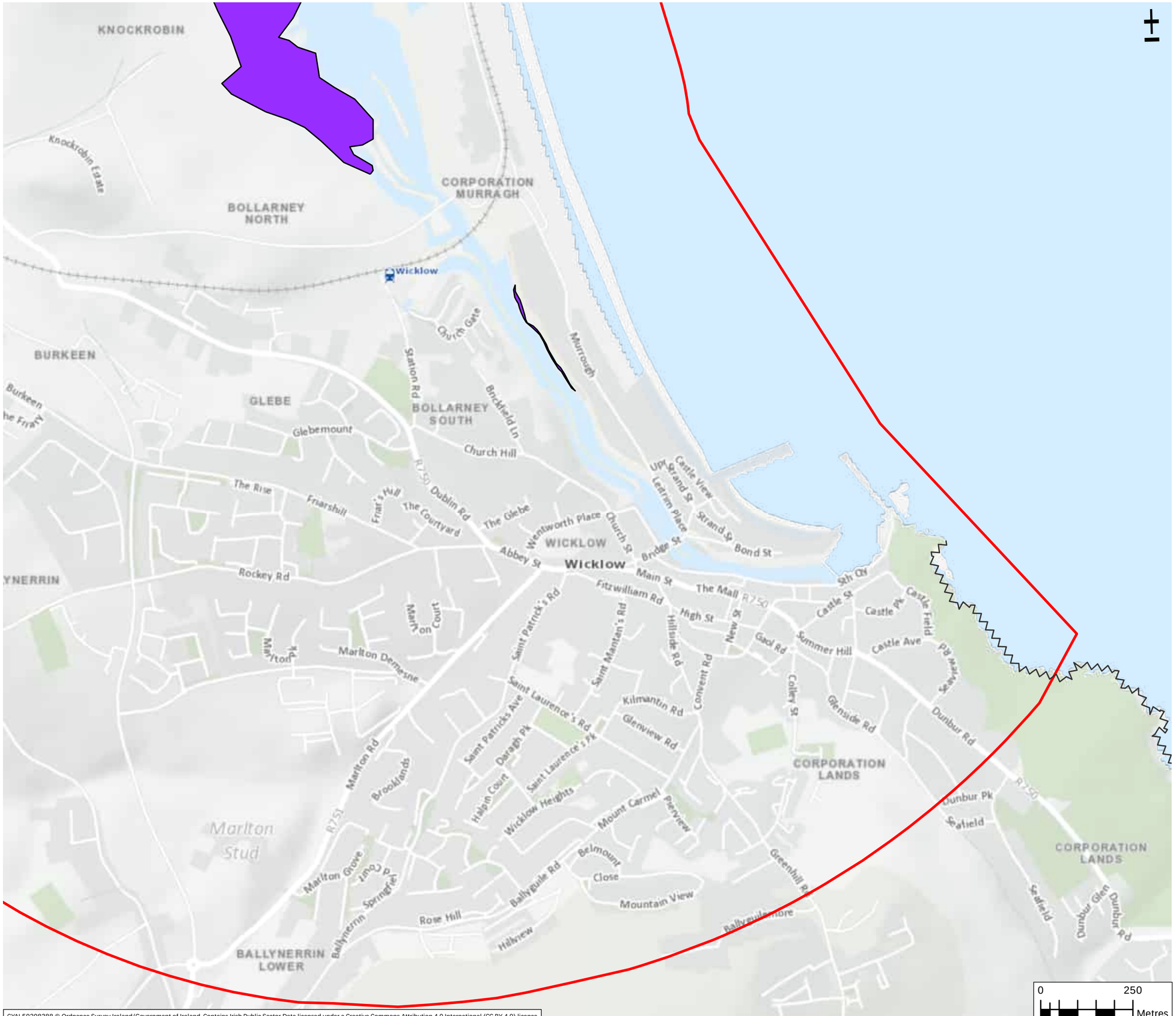

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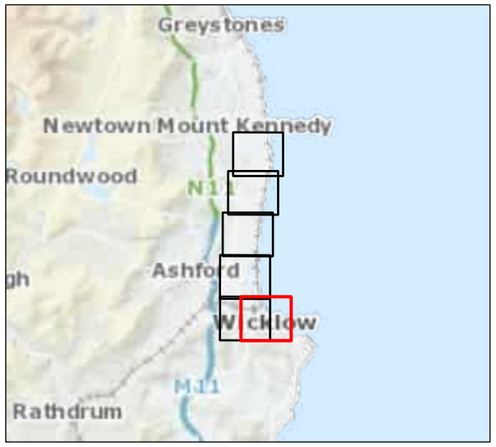
FIGURE 3.2

Legend

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



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

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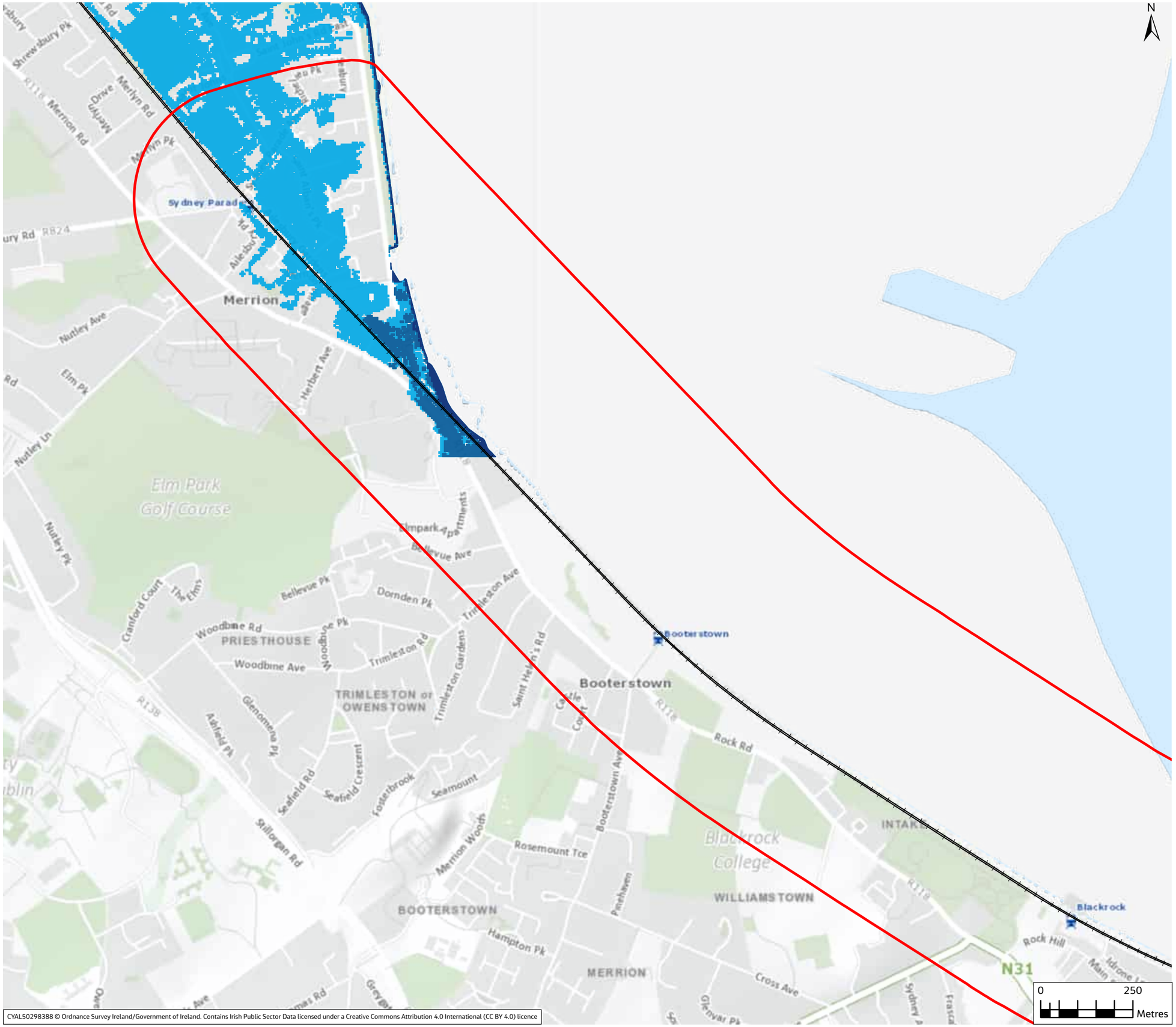

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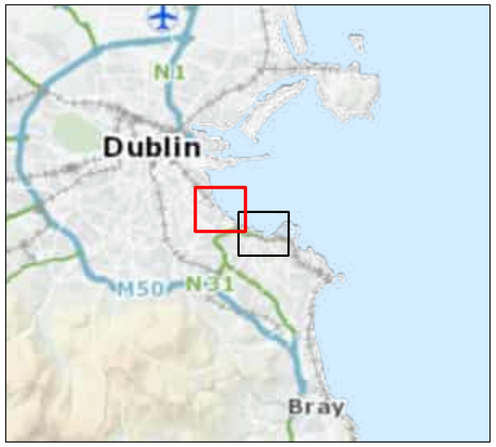
FIGURE 4.1

Legend

- CCA1 Study Area
- Railway Network Centreline

Coastal Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

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FIGURE 4.1

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Legend

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

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State Code	Phase 2		
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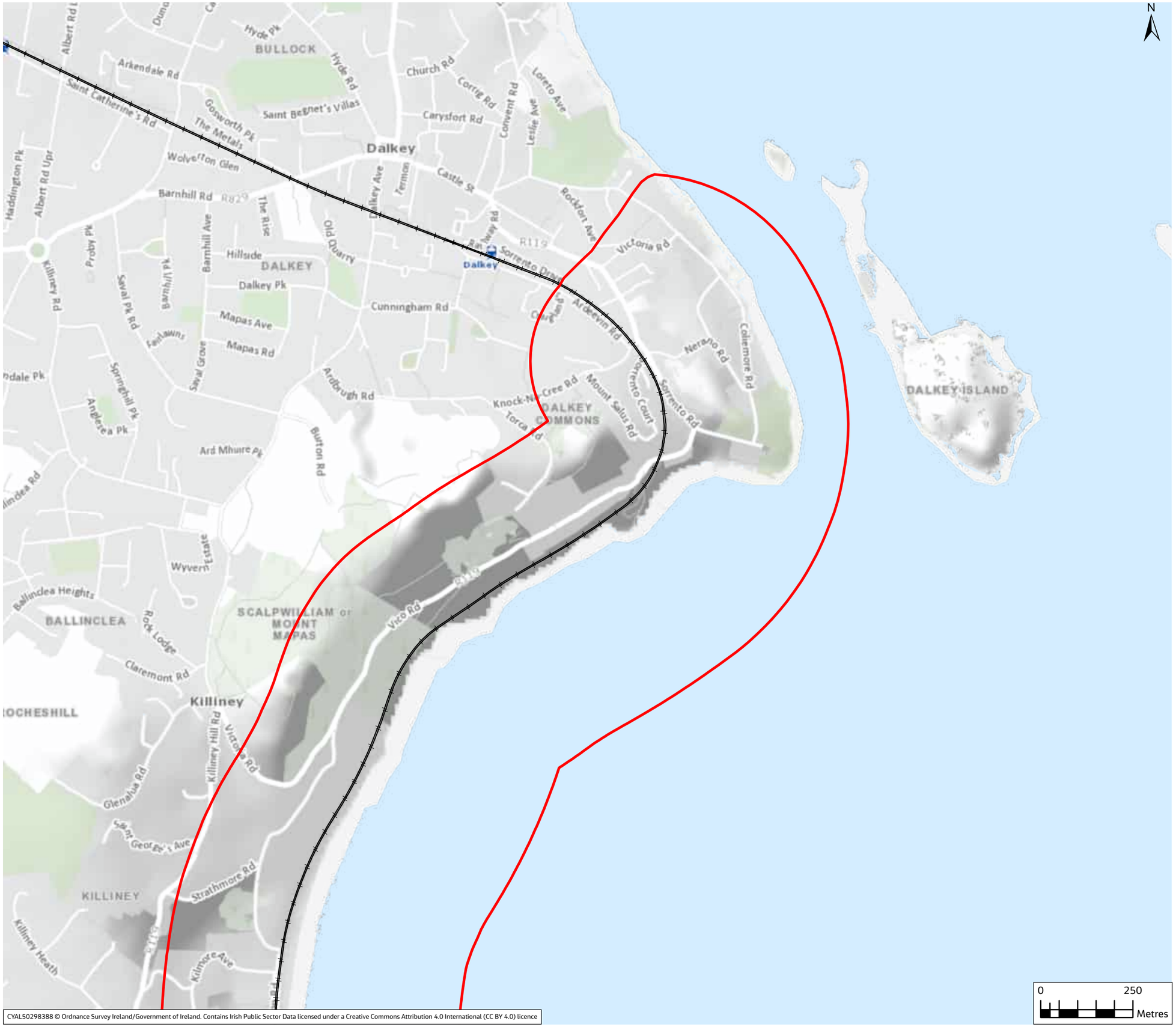

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FIGURE 4.1

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)

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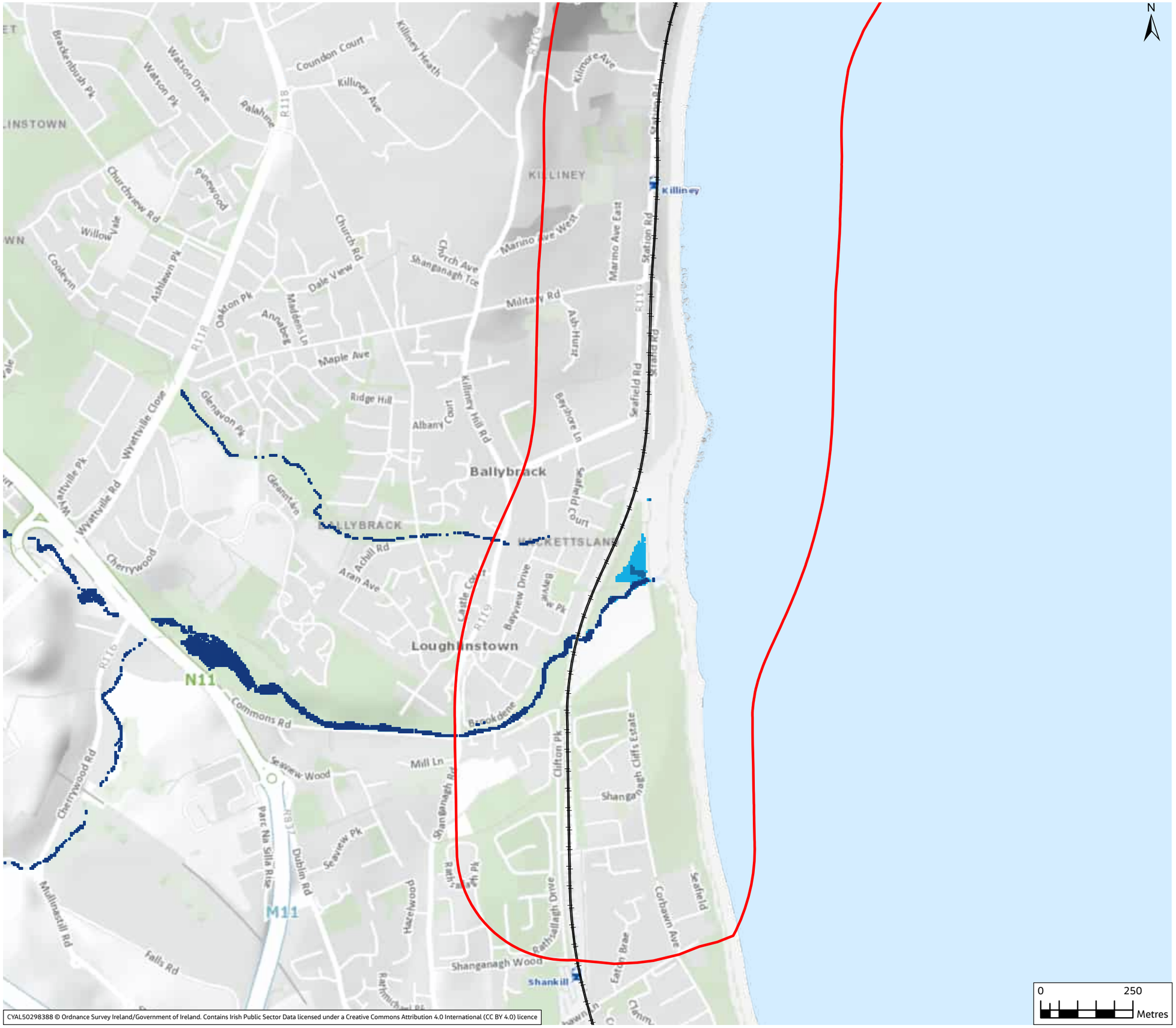

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0 250 Metres

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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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

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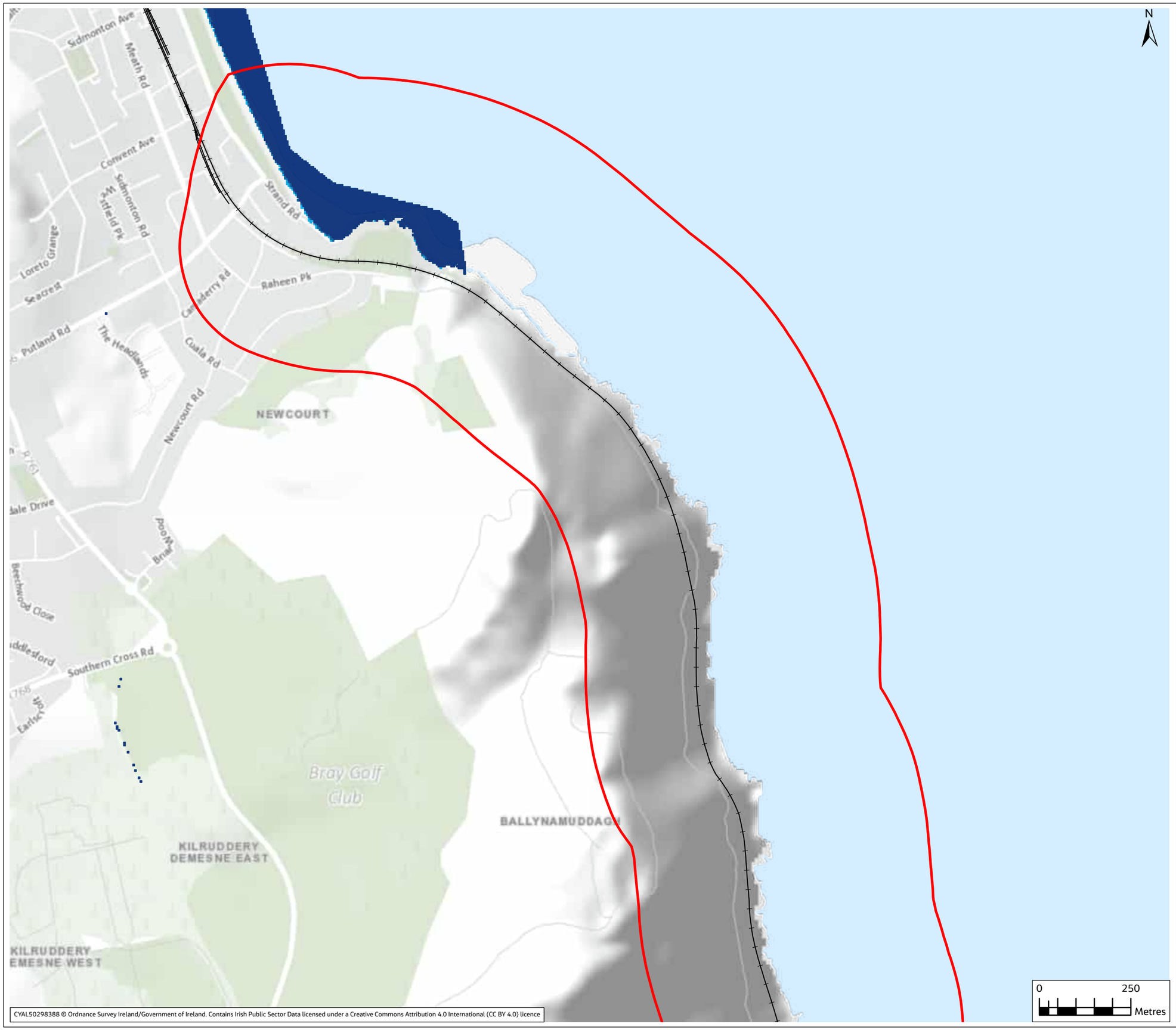

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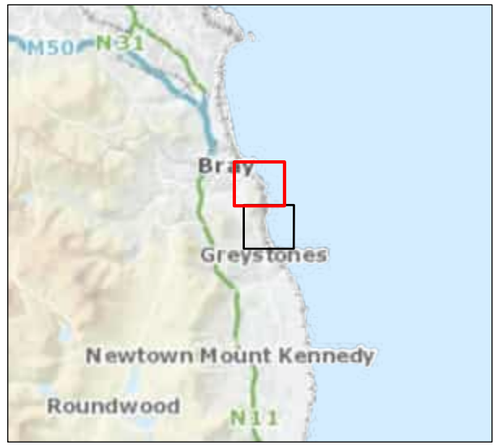
FIGURE 4.1

Legend

- CCA5 Study Area
- Railway Network Centreline

Coastal Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

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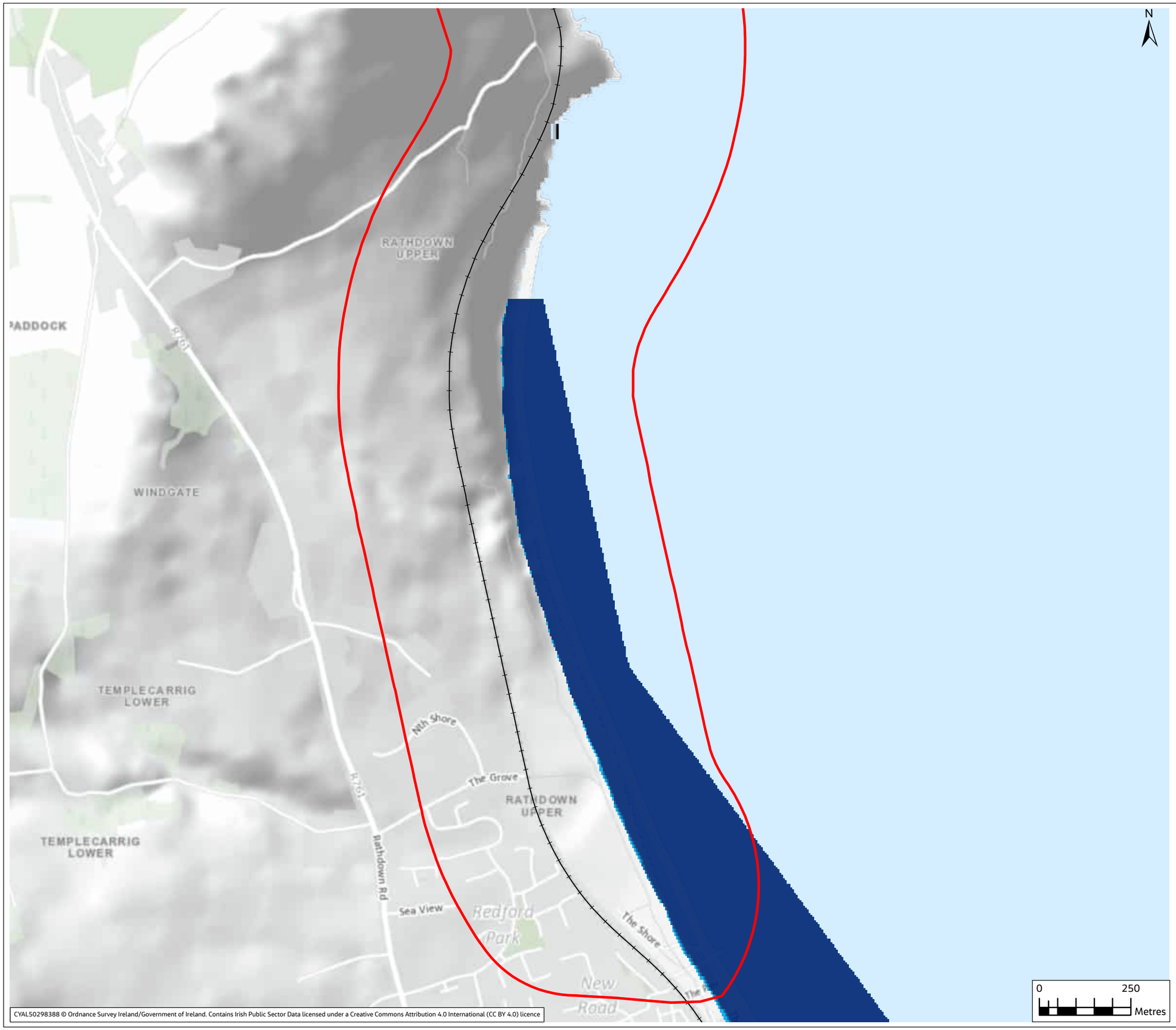

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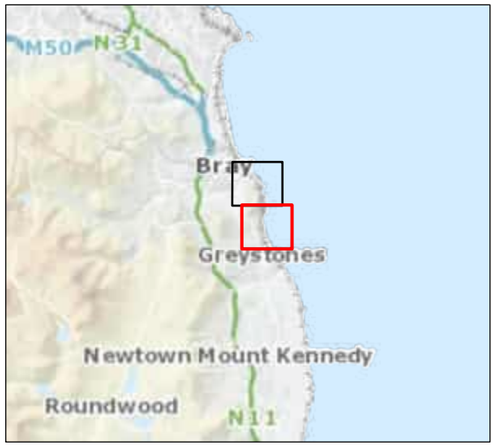
FIGURE 4.1

Legend

- CCA5 Study Area
- Railway Network Centreline

Coastal Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

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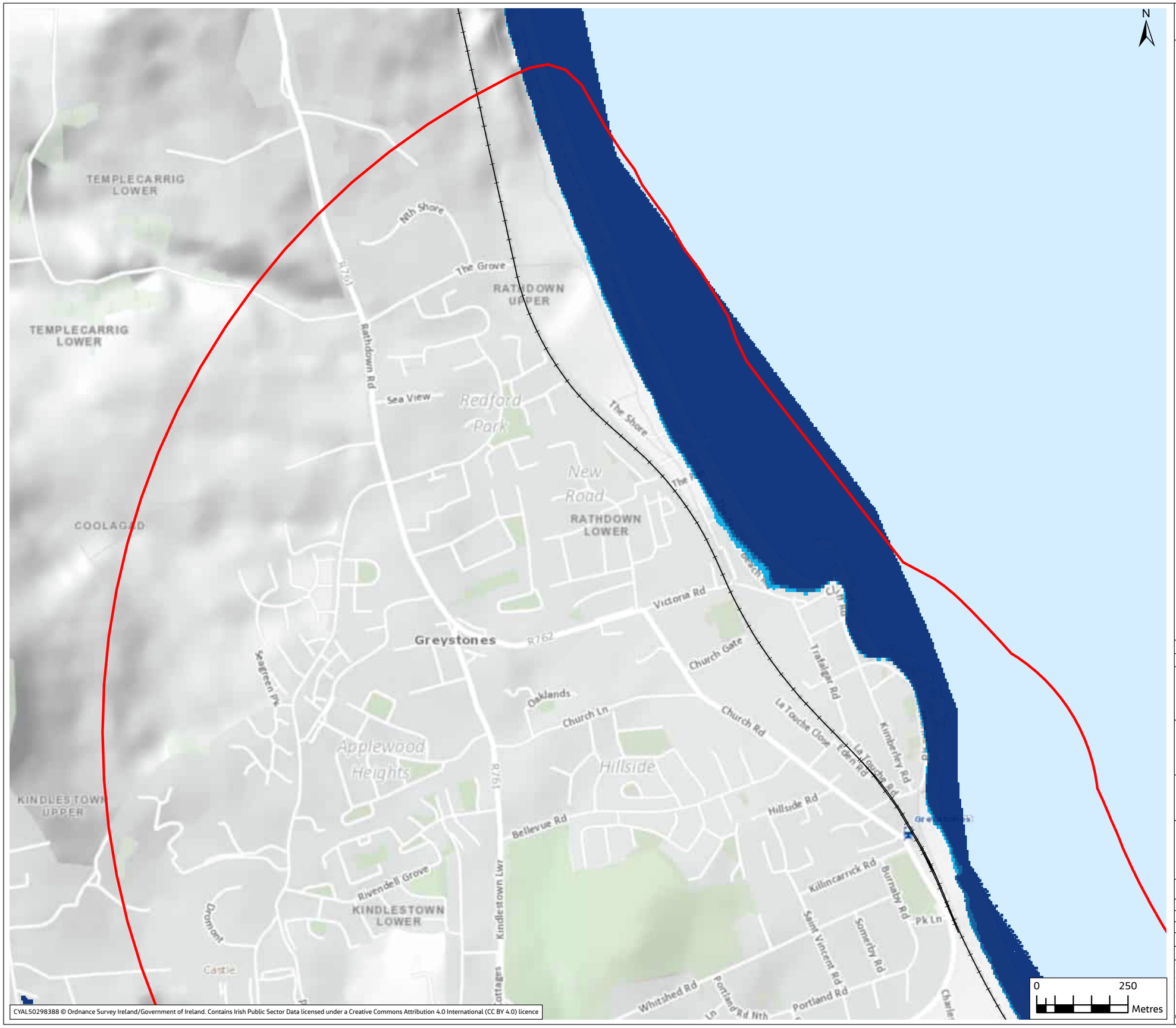

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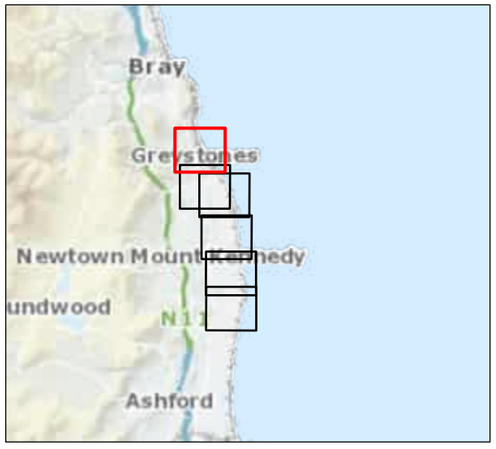
Legend

- 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 1 of 6)

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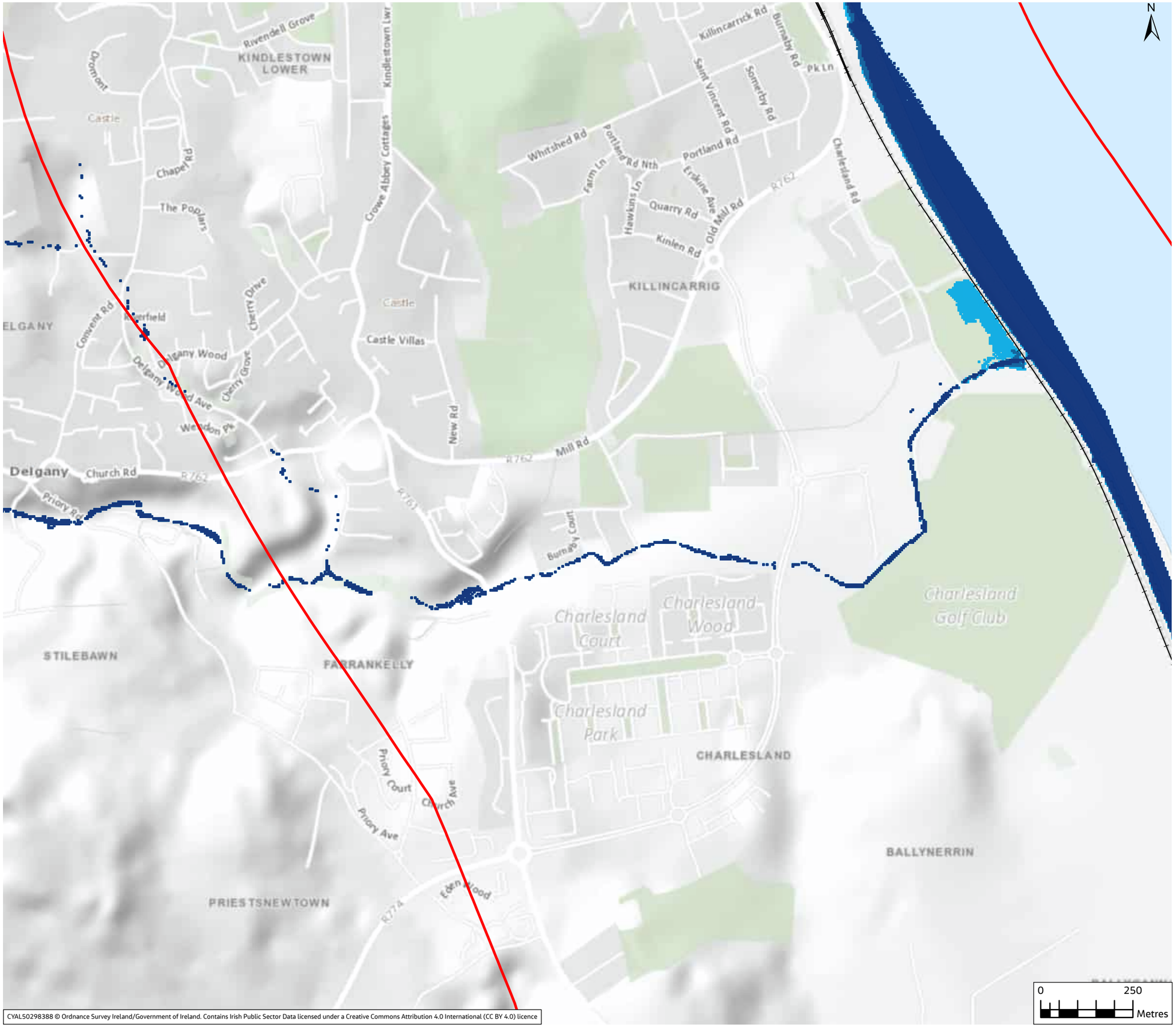

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FIGURE 4.1

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability

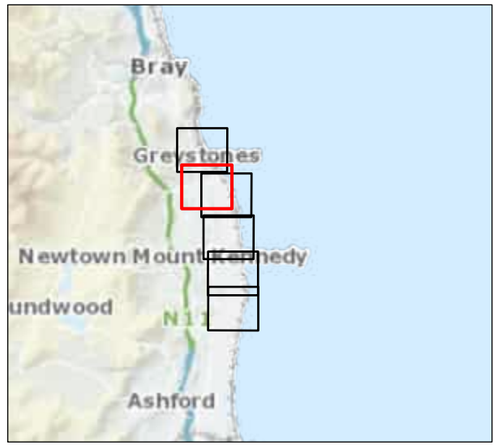

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Figure 4.1
CCA6.1- Environmental Constraints
Coastal Mid-Range Present Flood Extents
(Page 2 of 6)

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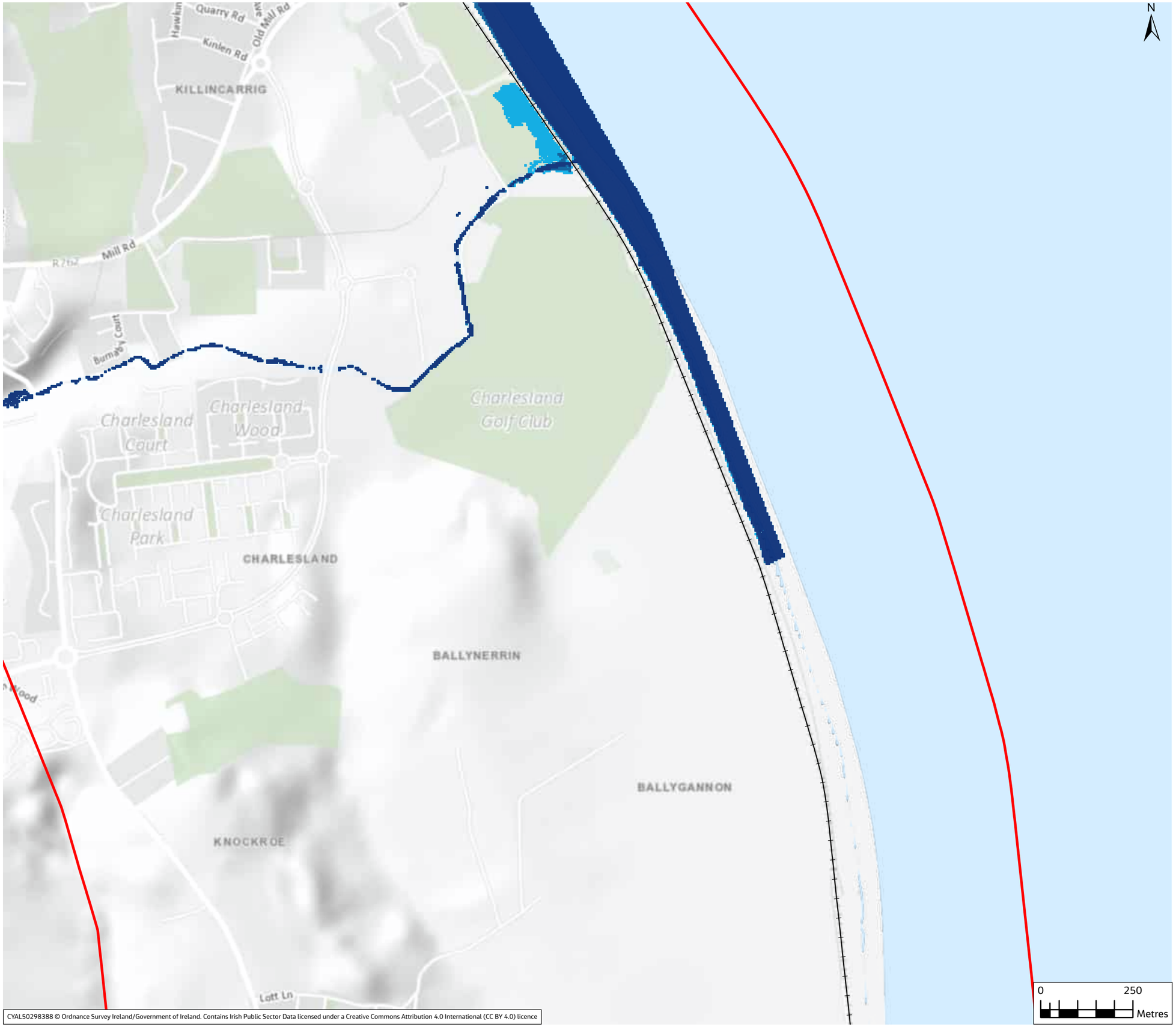

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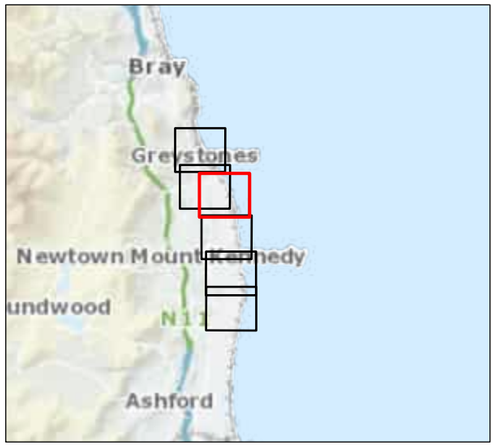
FIGURE 4.1

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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V01	Mar 2024	FOR REVIEW	MS	PR	JD	DK

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Iarnród Éireann Infrastructure

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Jacobs

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www.jacobs.com

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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 3 of 6)

Drawing Status: ISSUE FOR ACCEPTANCE

State Code	Phase 2		
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Client No.	8093		
Drawing No.	7964-CCA6_1-P2-DWG-EV-JAC-4004		

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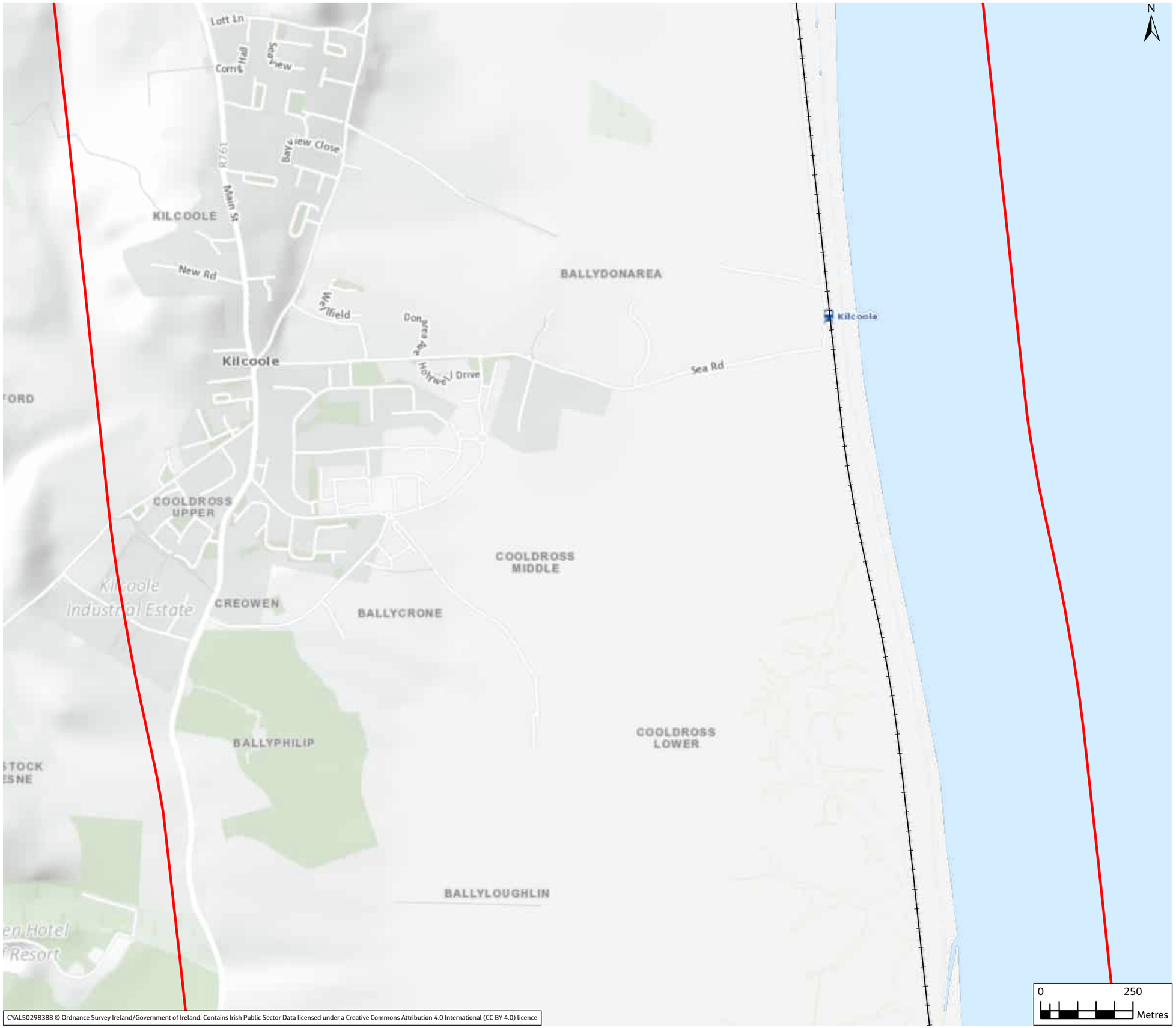

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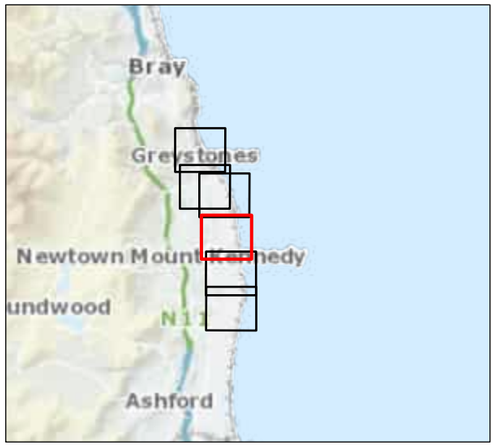
FIGURE 4.1

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
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Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

State Code	Phase 2		
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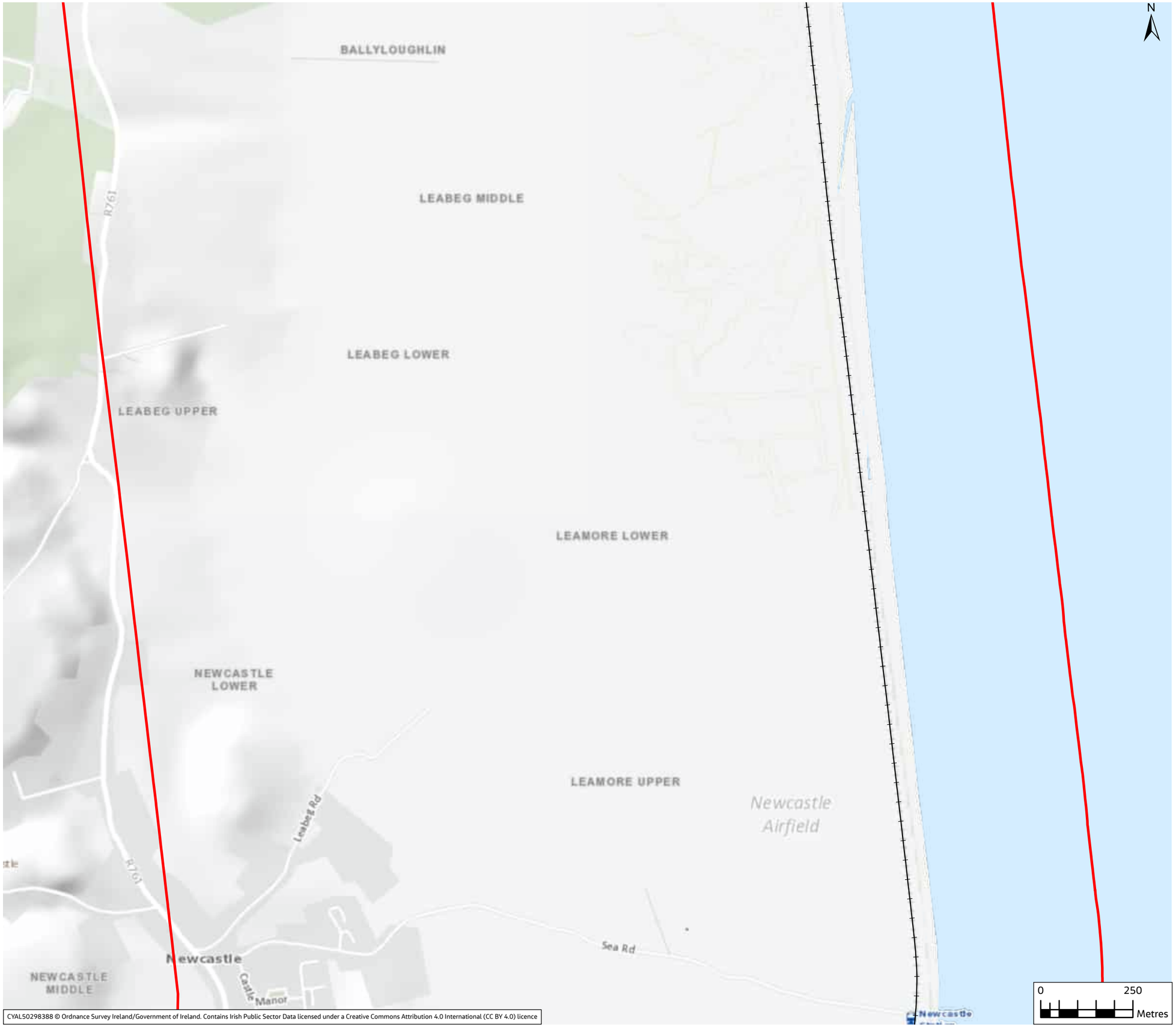

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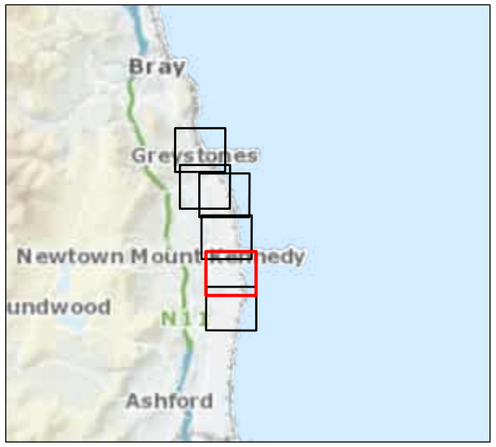
FIGURE 4.1

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

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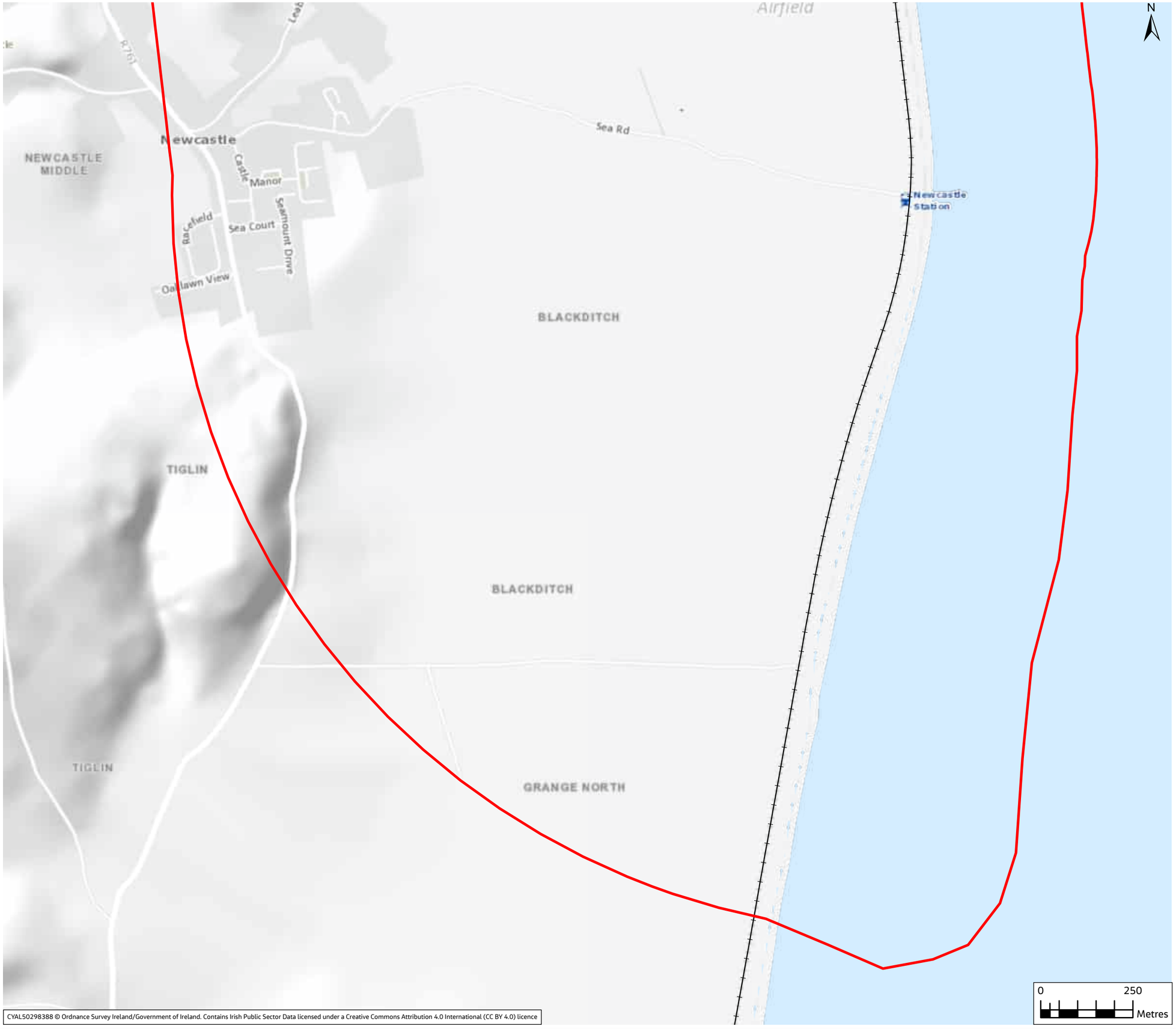

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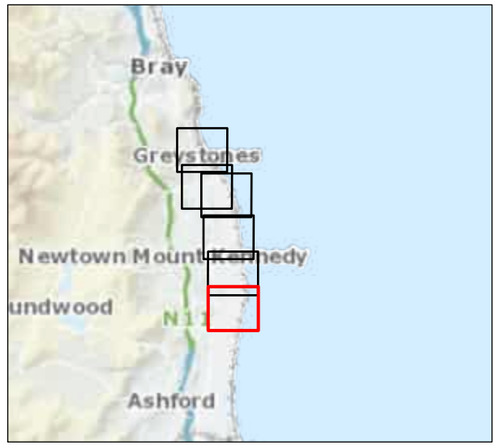
FIGURE 4.1

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 6 of 6)

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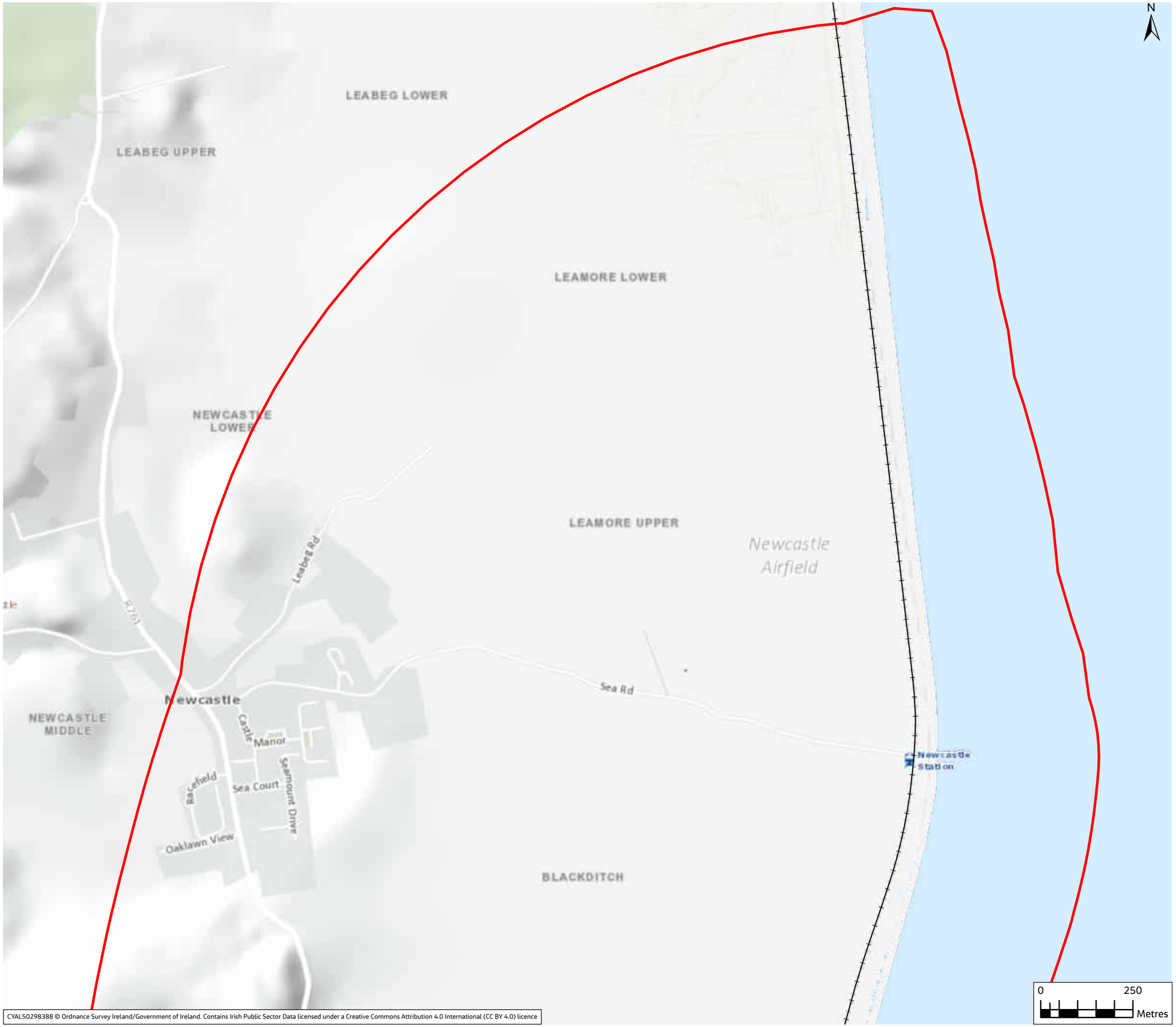

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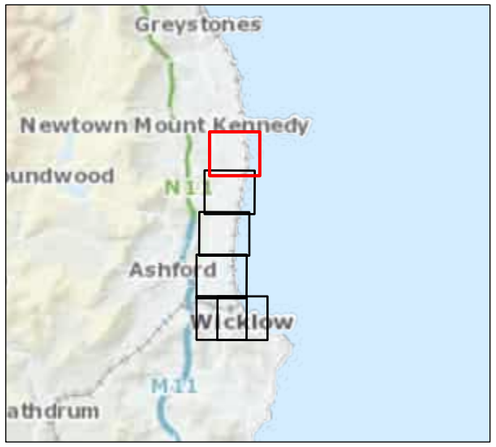
FIGURE 4.1

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 1 of 6)

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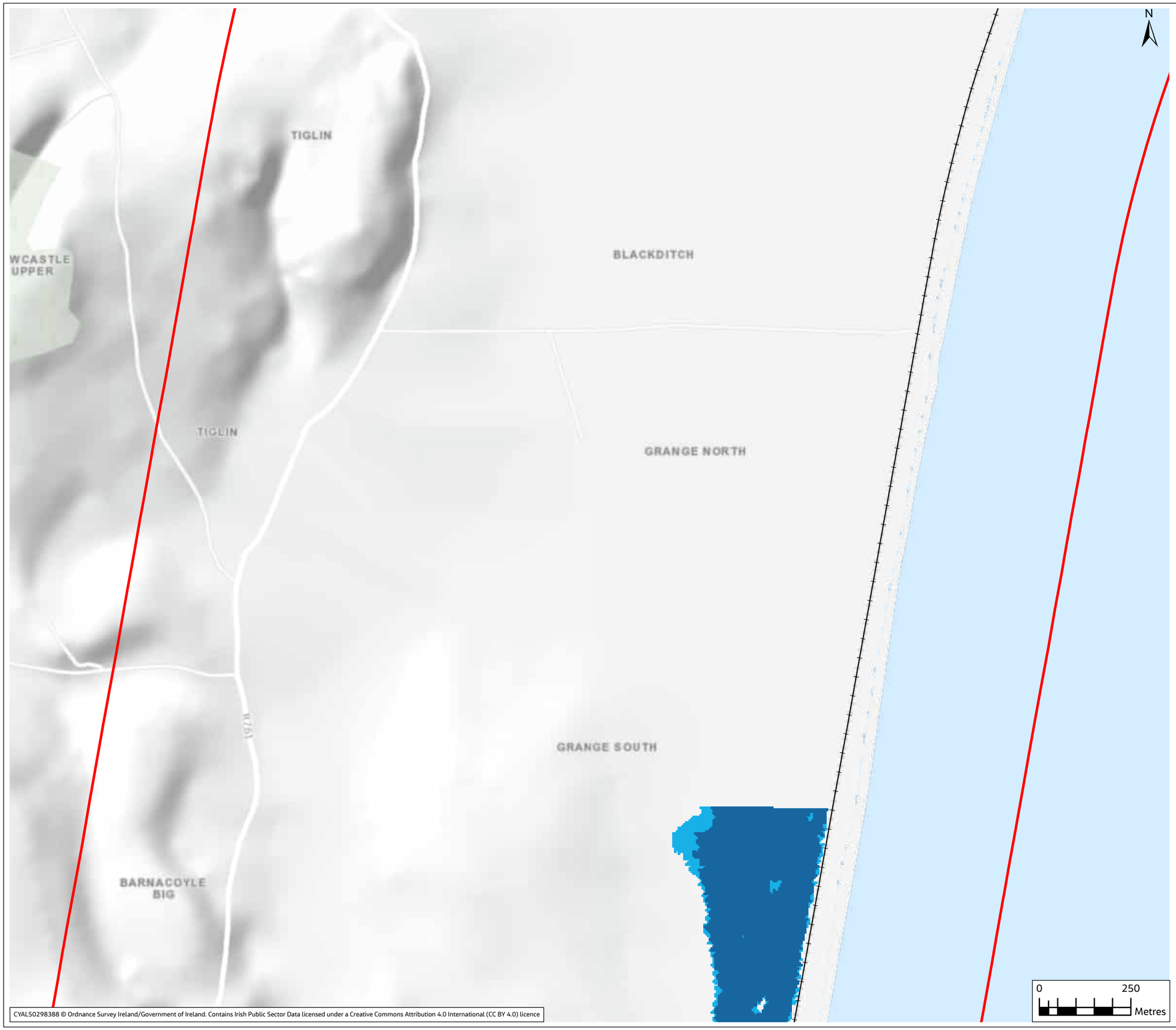

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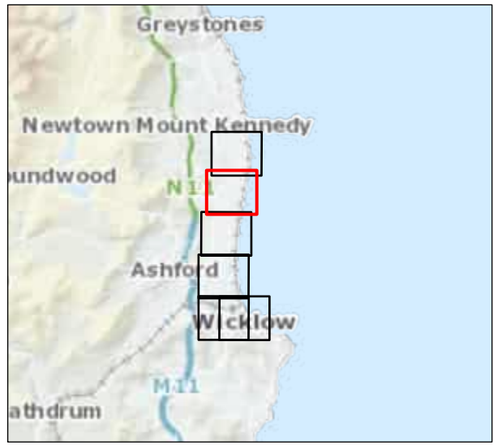
FIGURE 4.1

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)

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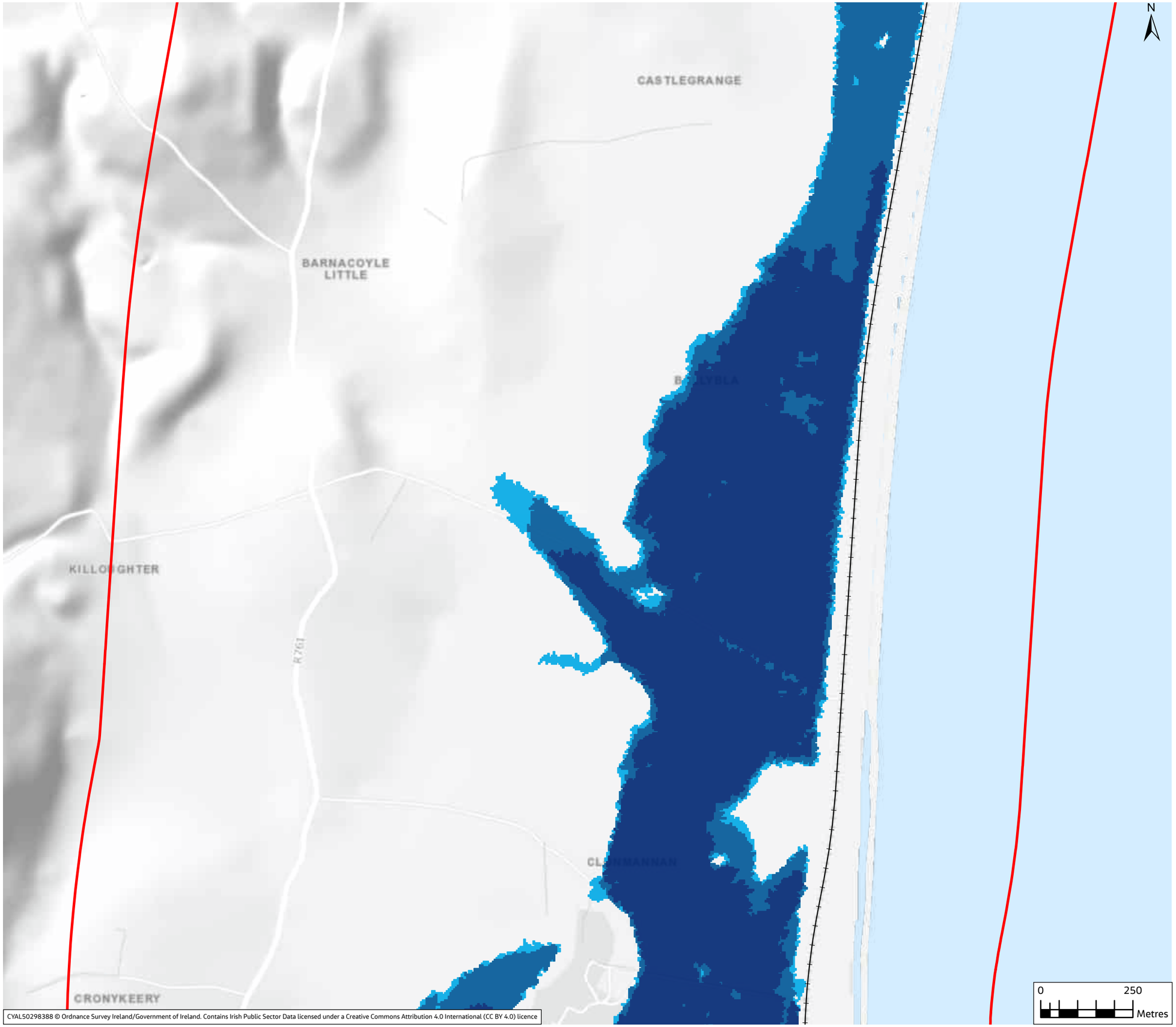

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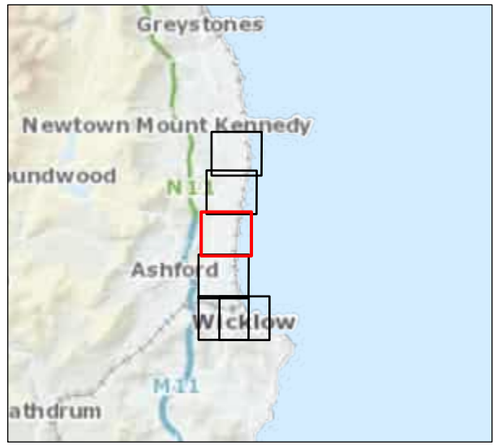
FIGURE 4.1

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 3 of 6)

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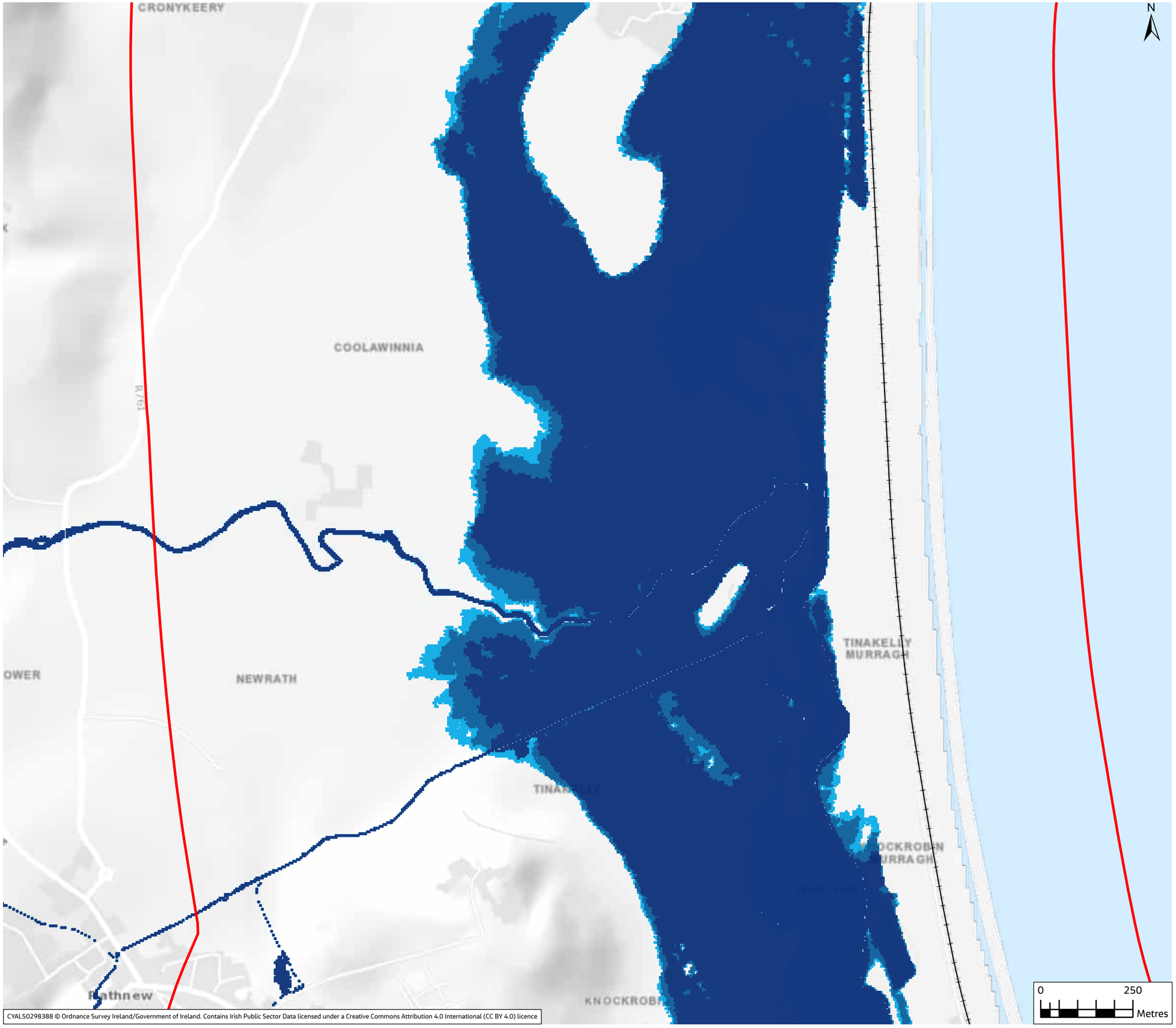

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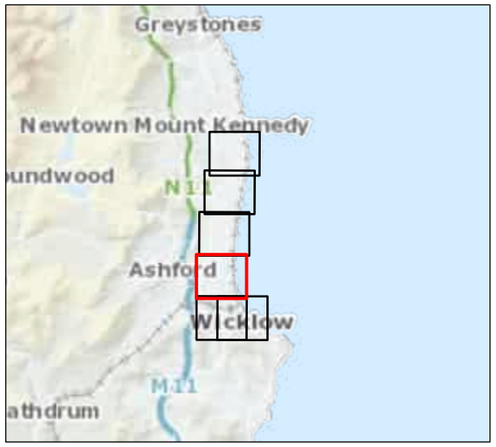
FIGURE 4.1

Legend

- CCA6.2 Study Area
- Railway Network Centreline

Coastal Mid-Range Present Flood Extents

- Low Propability
- Medium Propability
- High Propability



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

Drawing Status: ISSUE FOR ACCEPTANCE

State Code	Phase 2		
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FIGURE 4.1

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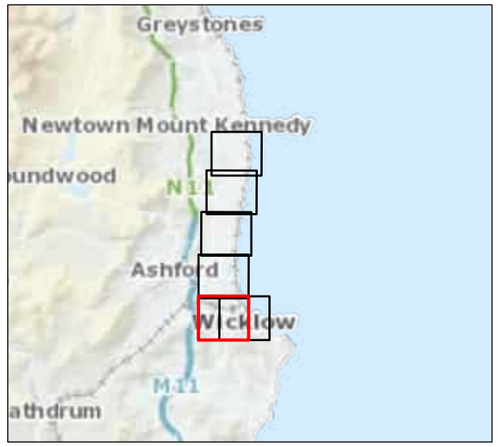
Legend

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

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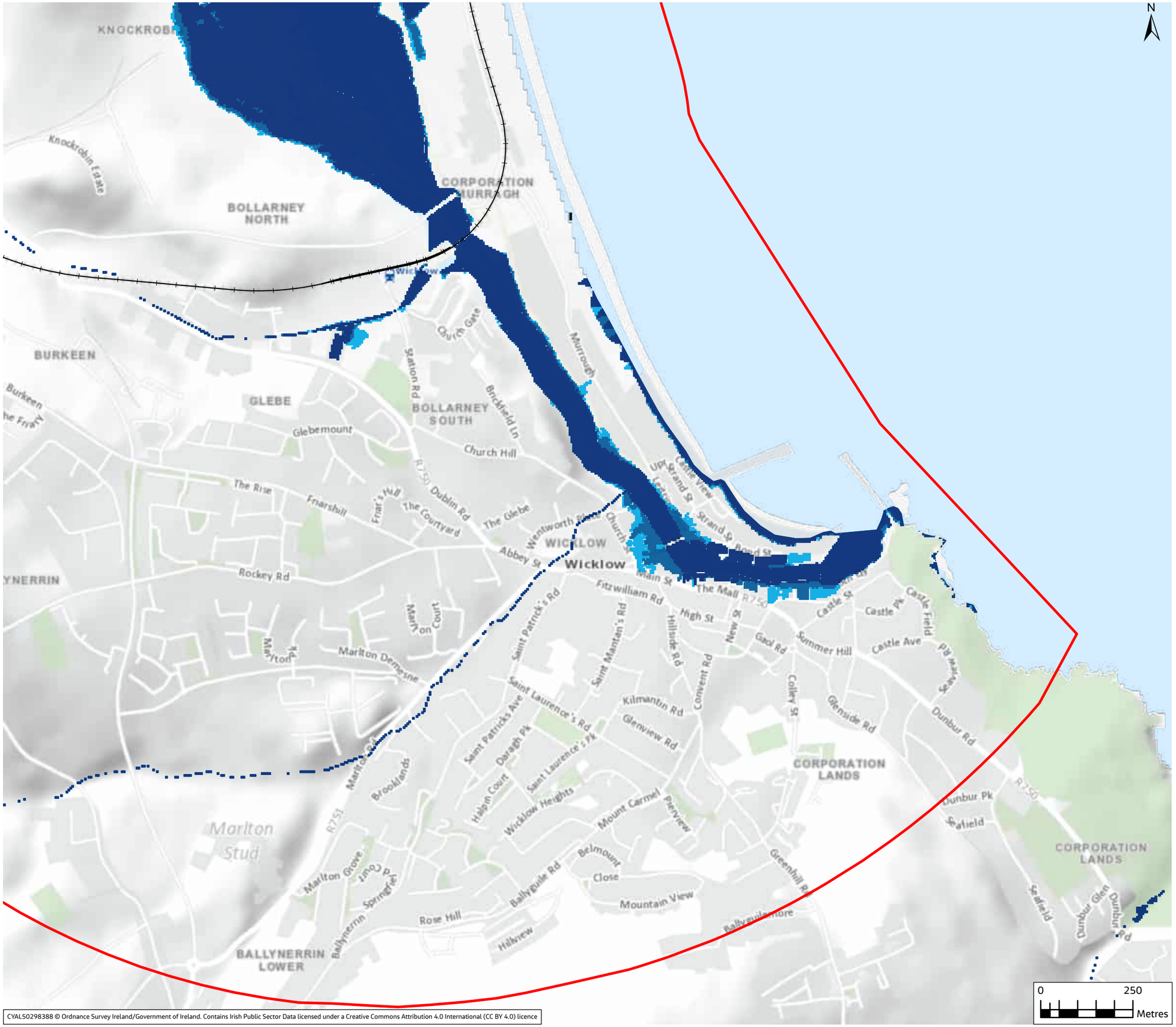

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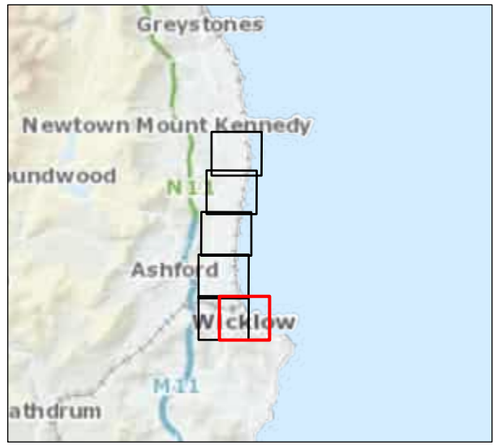
FIGURE 4.1

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)

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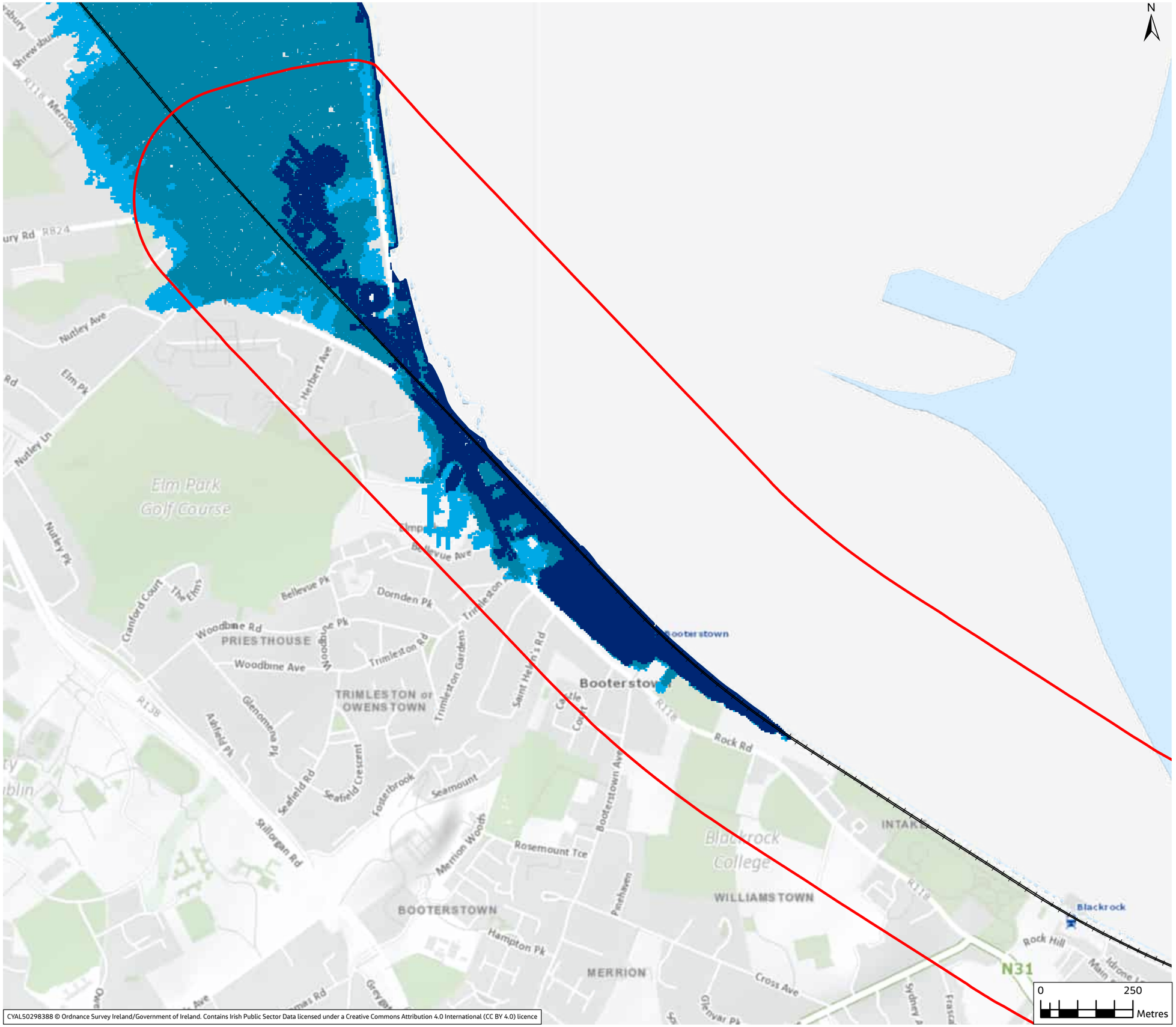

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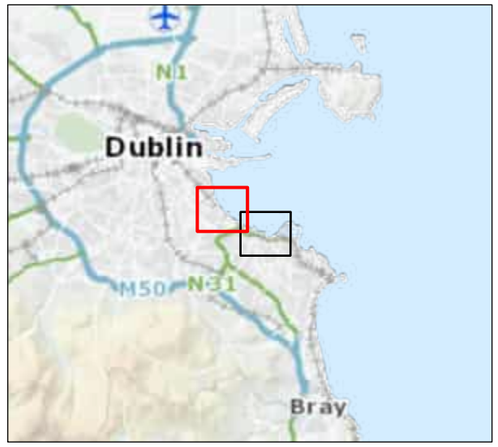
FIGURE 4.2

Legend

- CCA1 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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V01	Mar 2024	FOR REVIEW	MS	PR	JD	DK

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Iarnród Éireann Infrastructure

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www.jacobs.com

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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 4.2
CCA1- Environmental Constraints
Coastal Mid-Range Future Flood Extents
(Page 1 of 2)

Drawing Status	ISSUE FOR ACCEPTANCE		
State Code	Phase 2		
Scale @ A3	1:10,000	DO NOT SCALE	
Jacobs No.	D3658301	Rev	V01
Client No.	8093		
Drawing No.	7964-CCA1-P2-DWG-EV-JAC-4005		

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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

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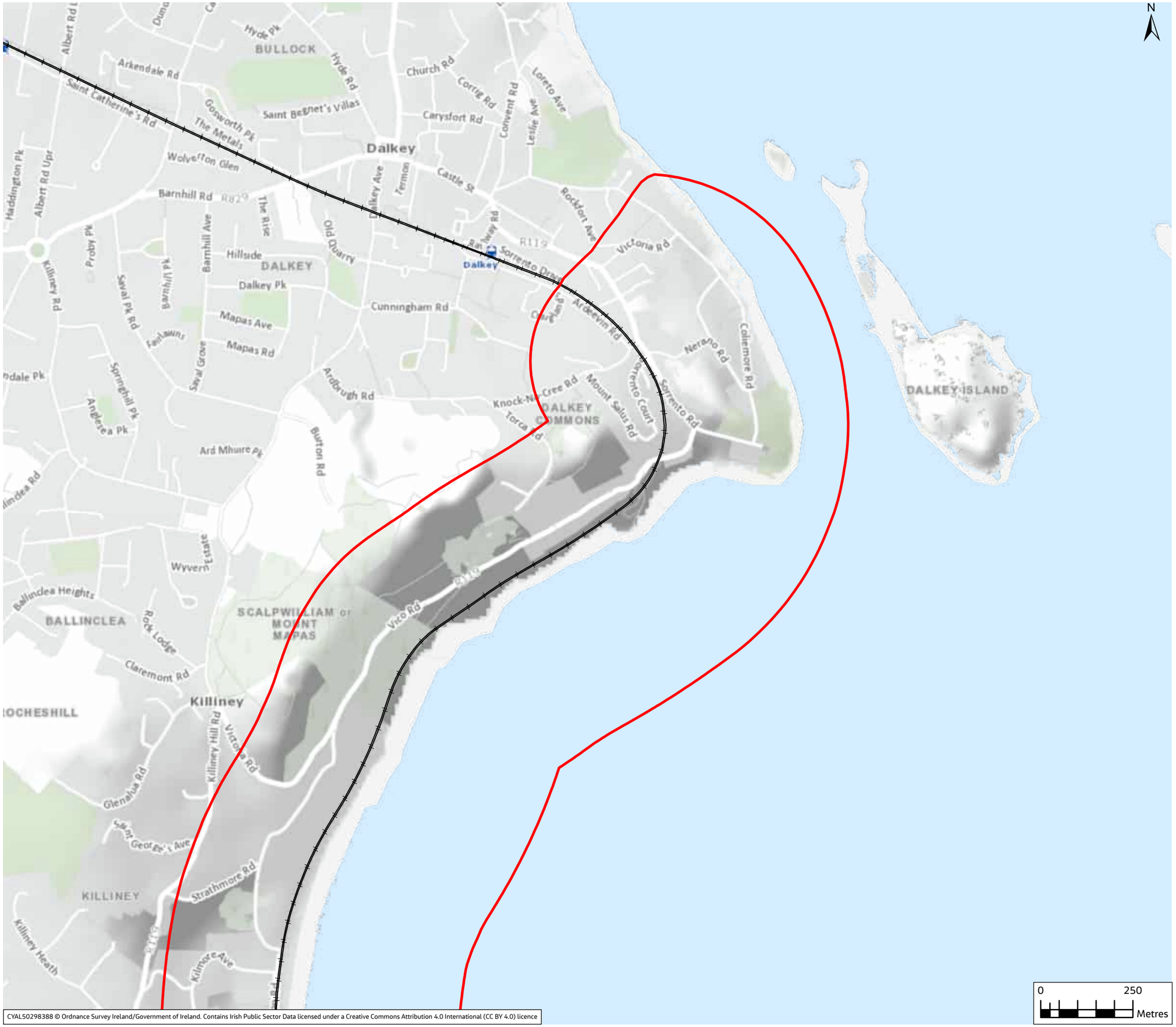

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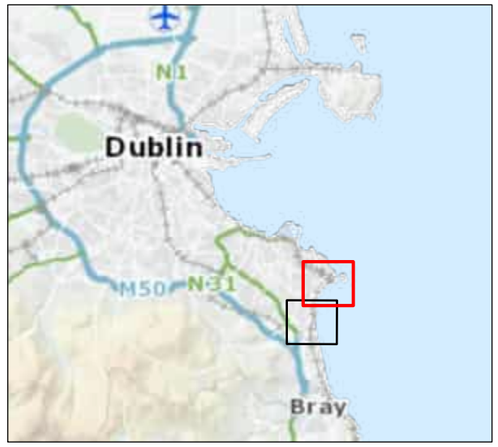
FIGURE 4.2

Legend

- CCA2-3 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

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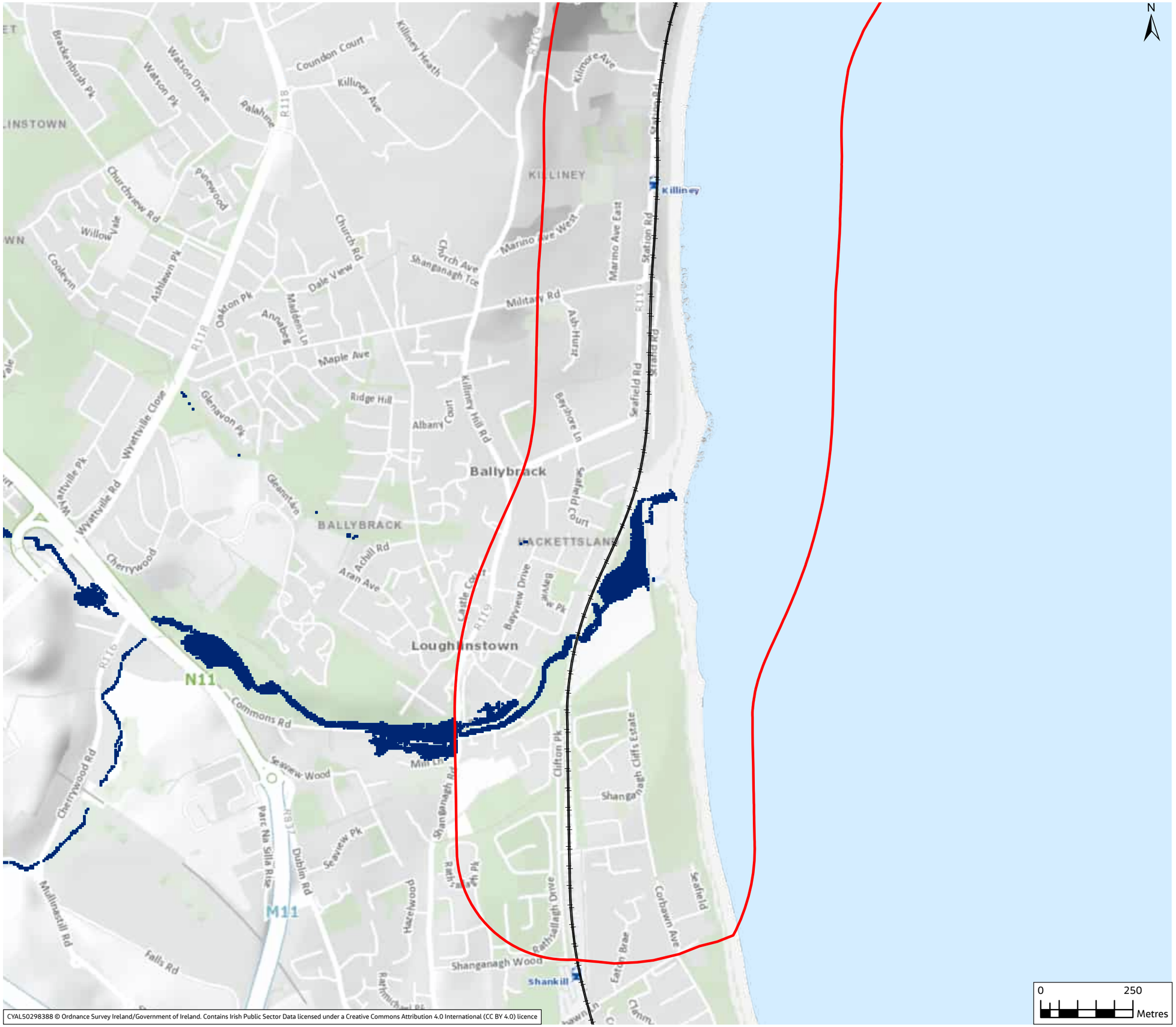

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FIGURE 4.2

Legend

- CCA2-3 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability

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Drawing Title

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

Drawing Status	ISSUE FOR ACCEPTANCE		
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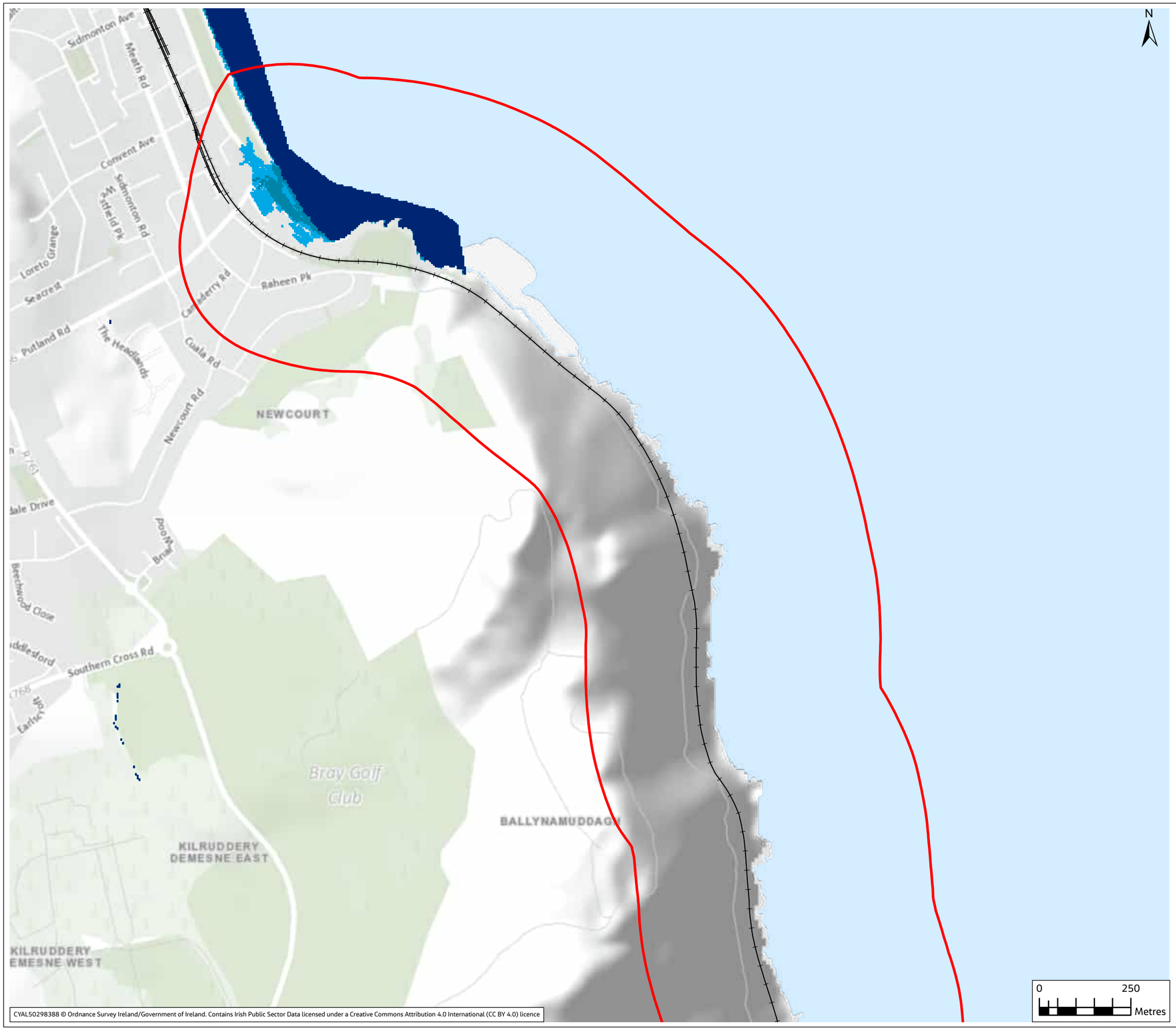

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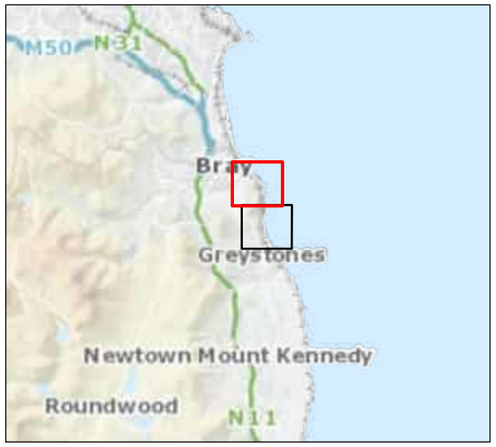
FIGURE 4.2

Legend

- CCA5 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

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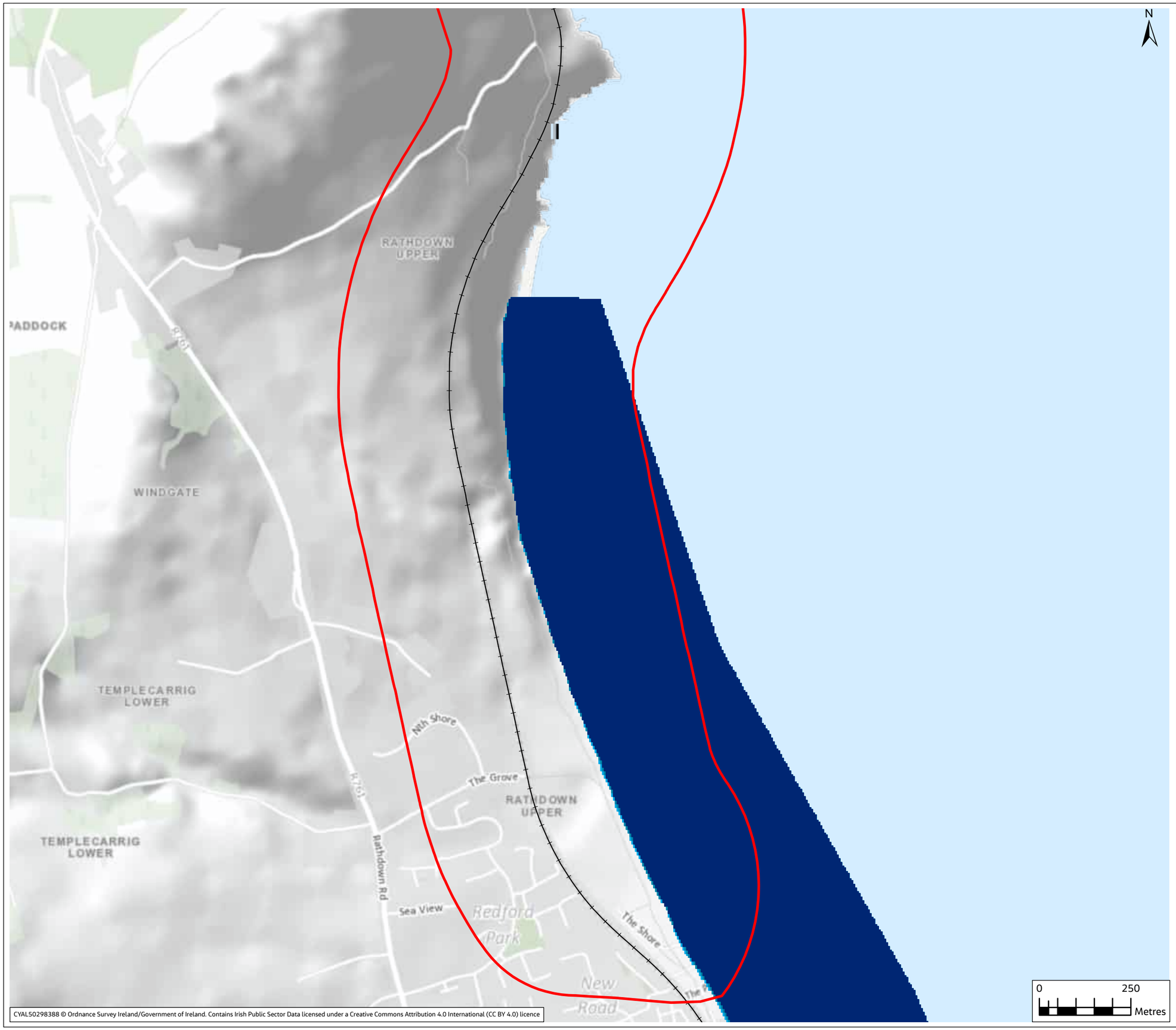

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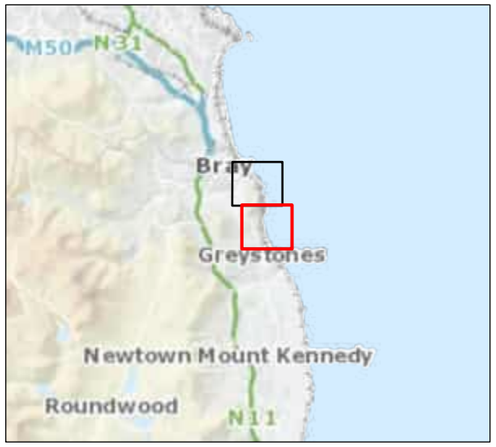
FIGURE 4.2

Legend

- CCA5 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

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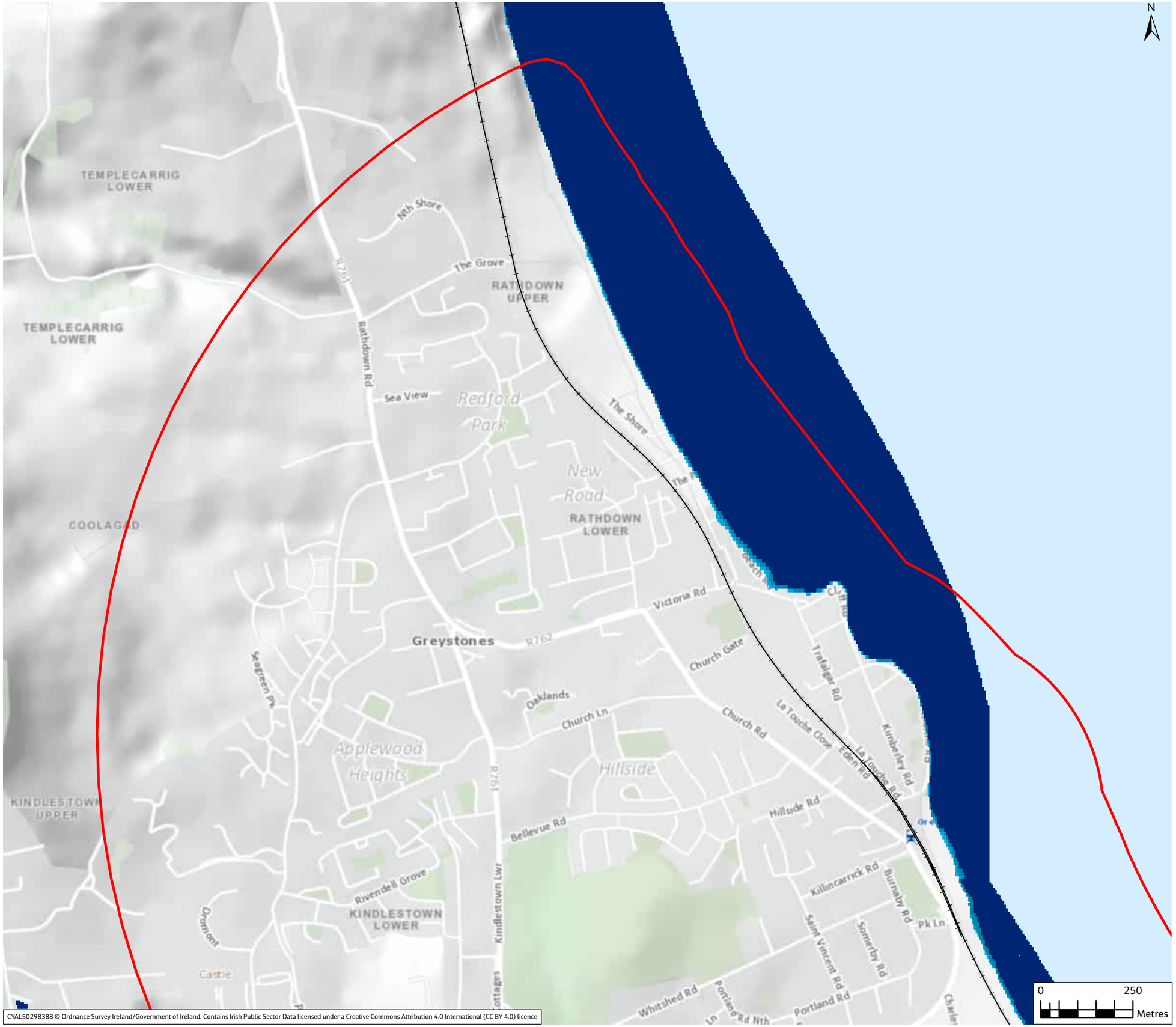

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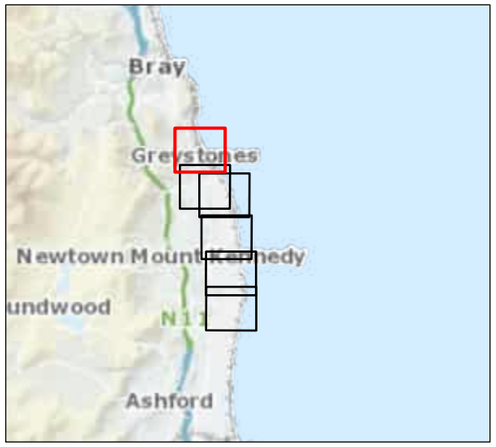
FIGURE 4.2

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

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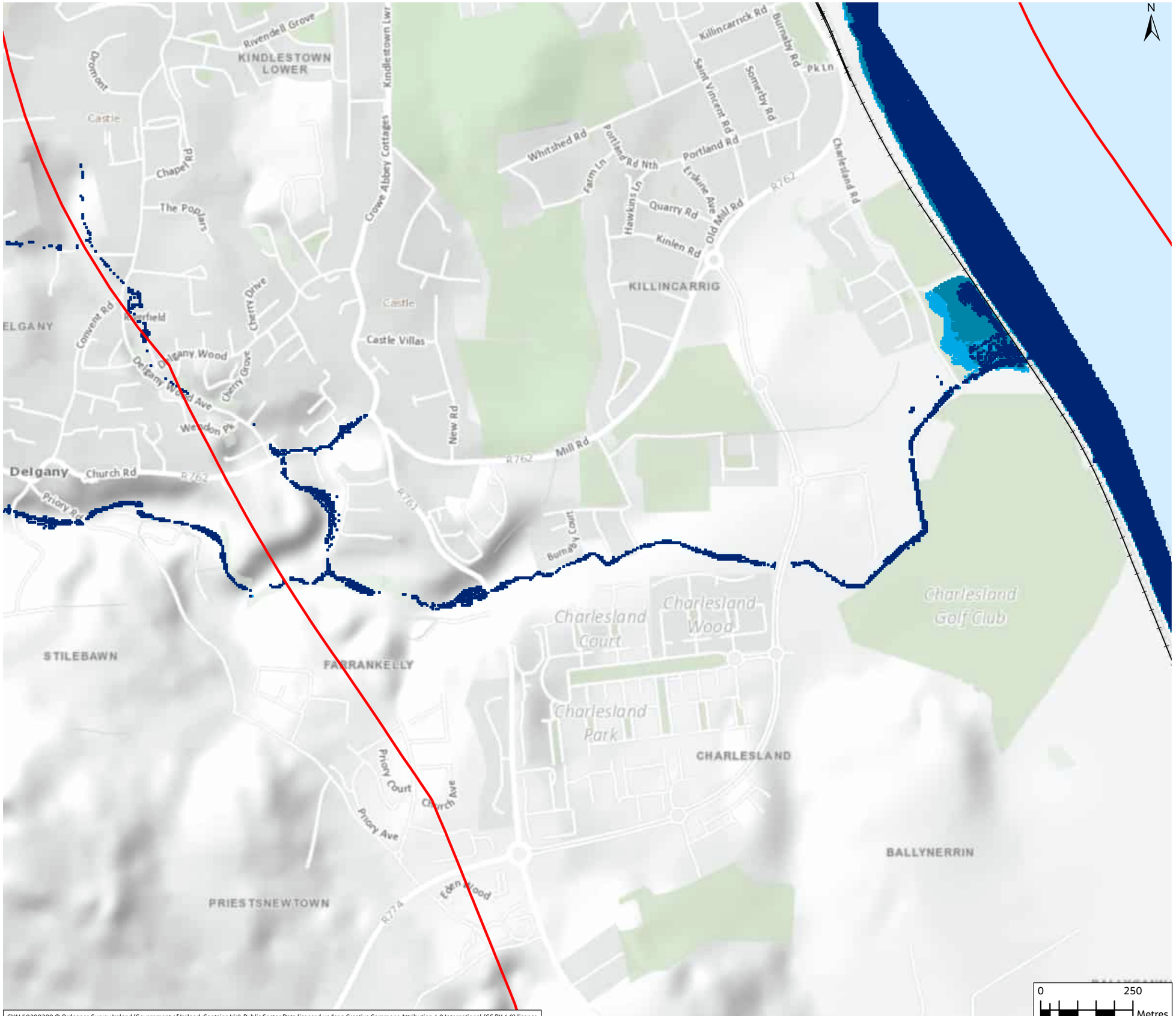

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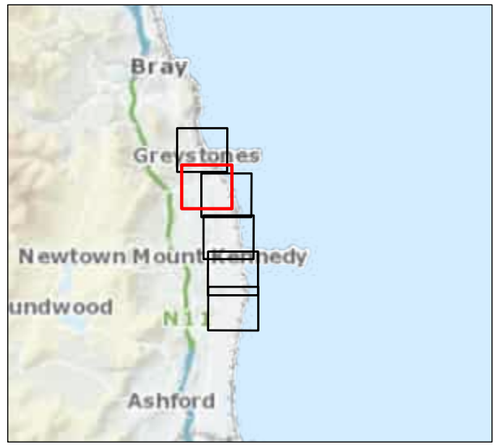
FIGURE 4.2

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

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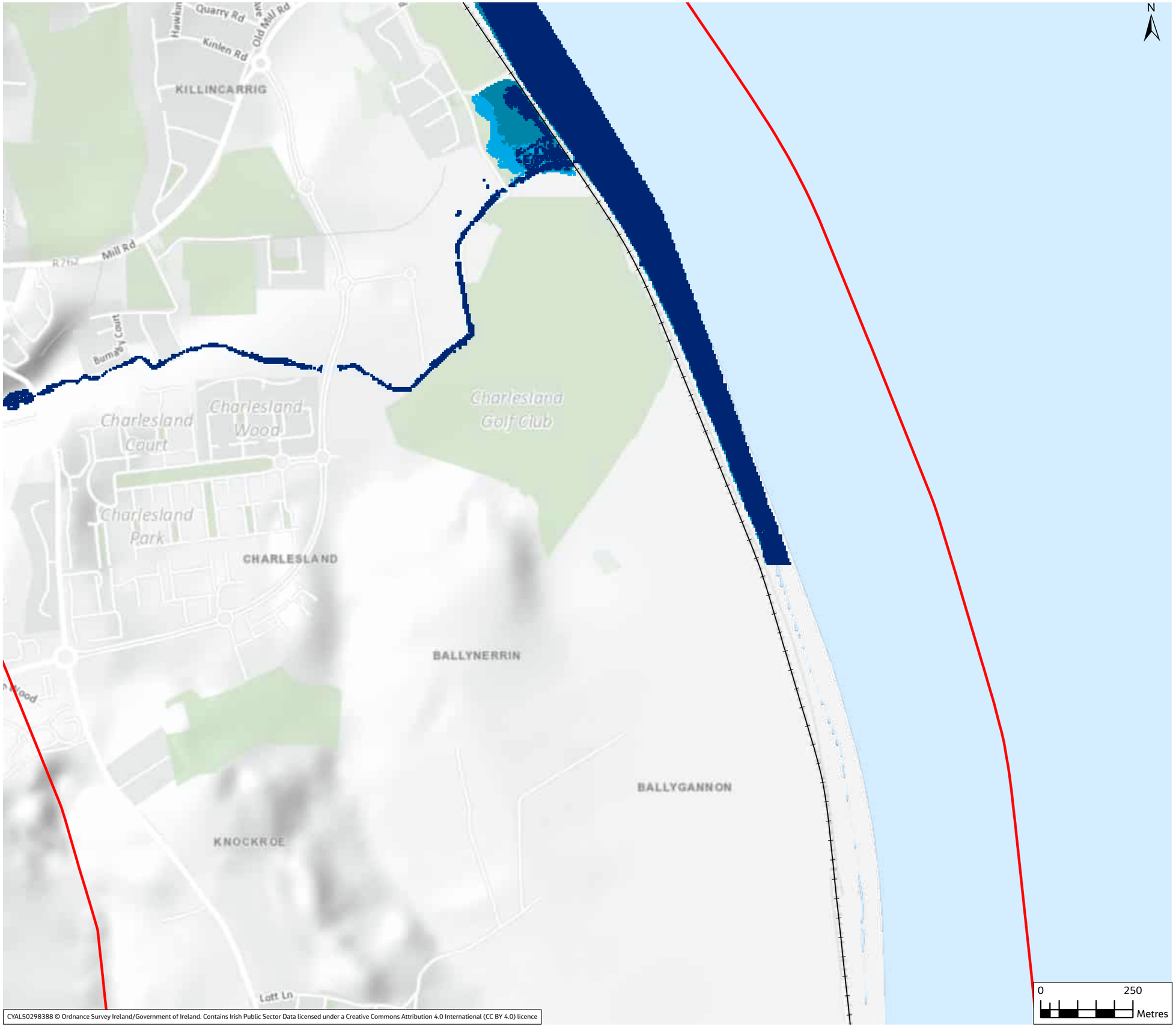

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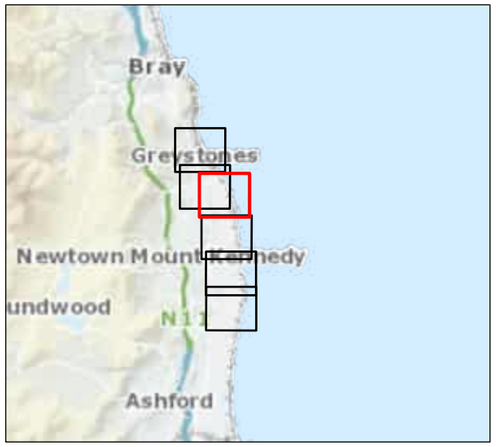
FIGURE 4.2

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 4.2
CCA6.1- Environmental Constraints
Coastal Mid-Range Future Flood Extents
(Page 3 of 6)

Drawing Status

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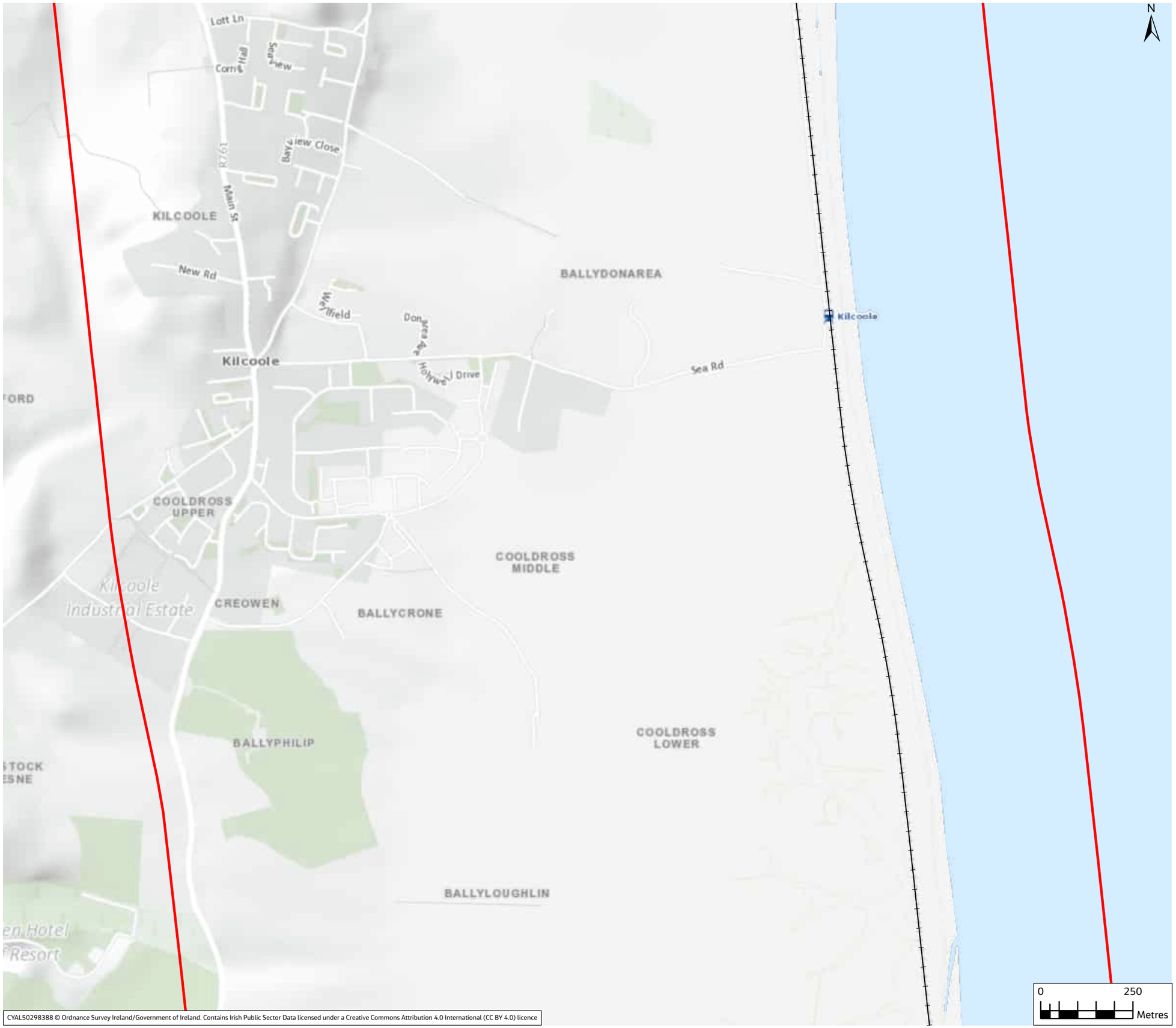

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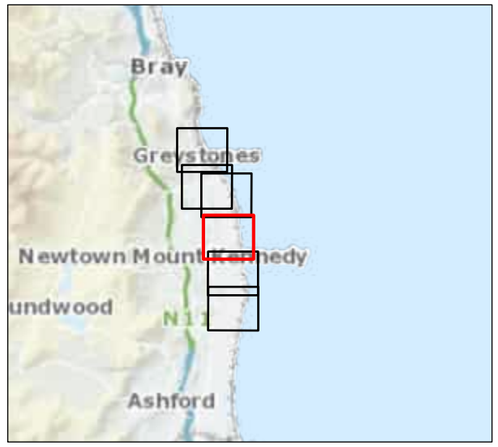
FIGURE 4.2

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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INFRASTRUCTURE PROTECTION PROJECTS

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Figure 4.2
CCA6.1- Environmental Constraints
Coastal Mid-Range Future Flood Extents
(Page 4 of 6)

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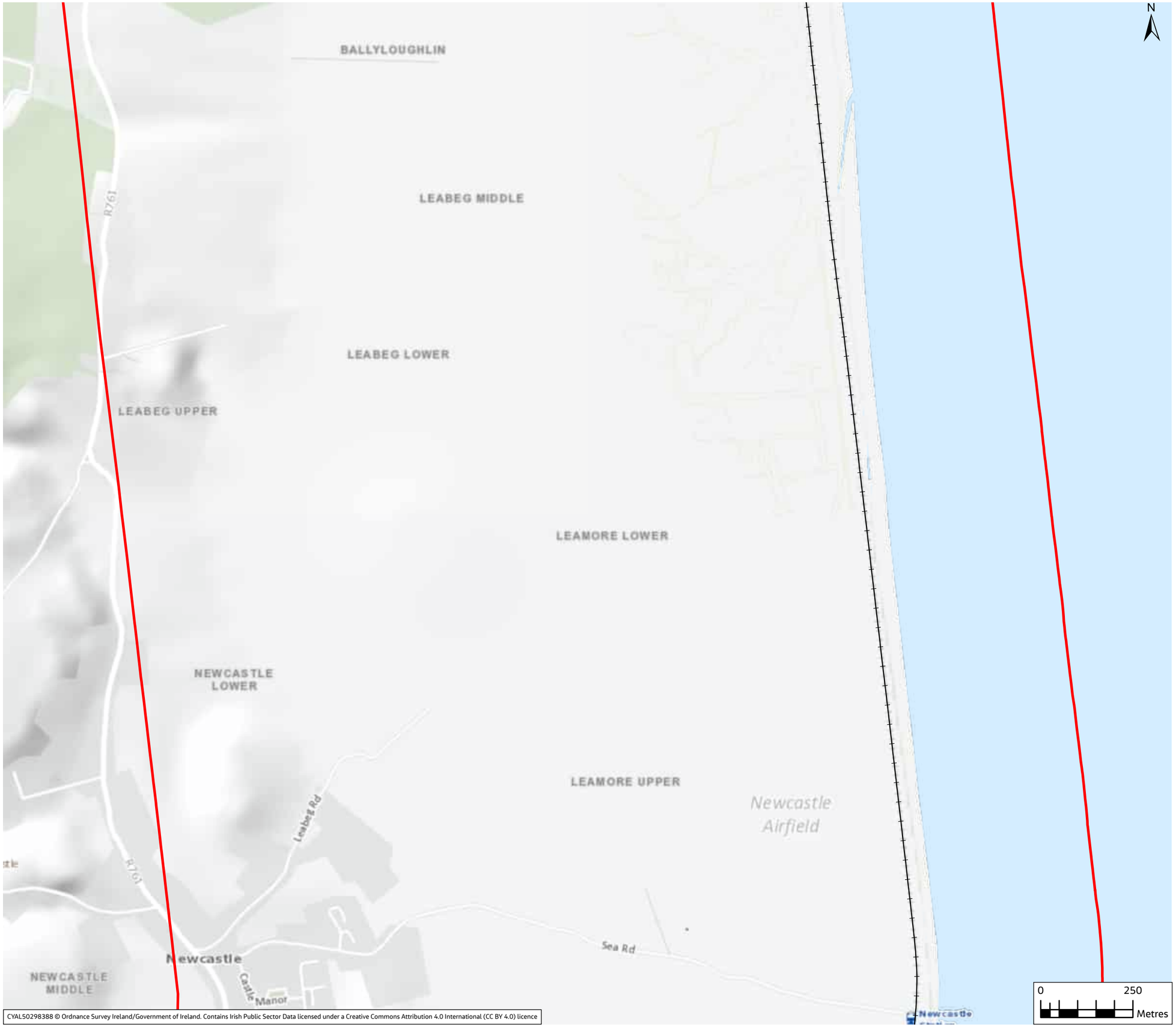

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FIGURE 4.2

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability

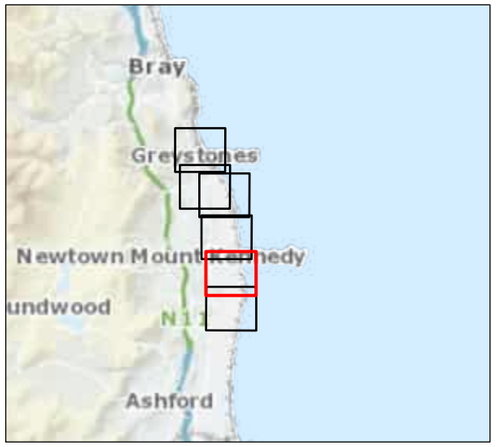

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Figure 4.2
CCA6.1- Environmental Constraints
Coastal Mid-Range Future Flood Extents
(Page 5 of 6)

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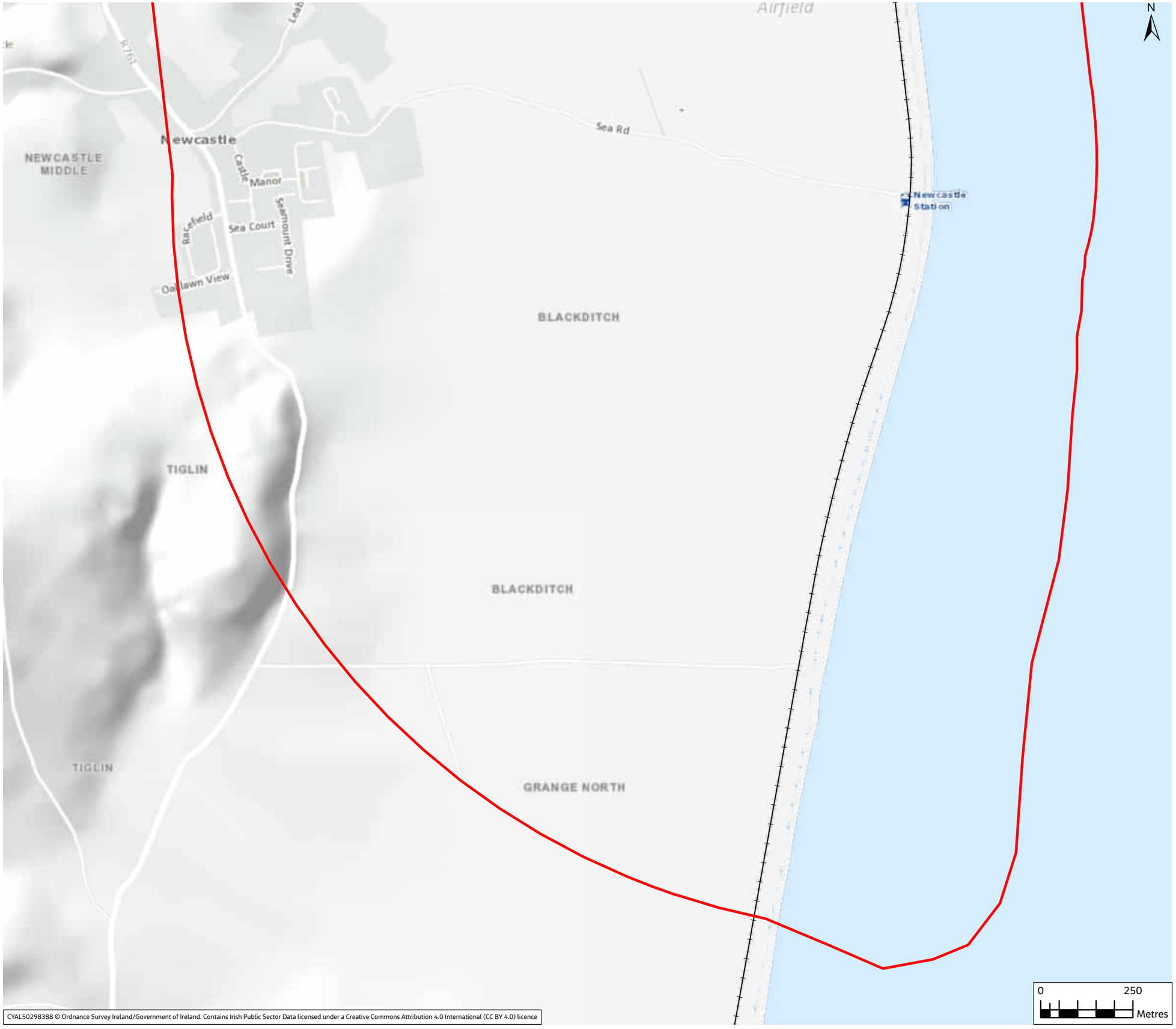

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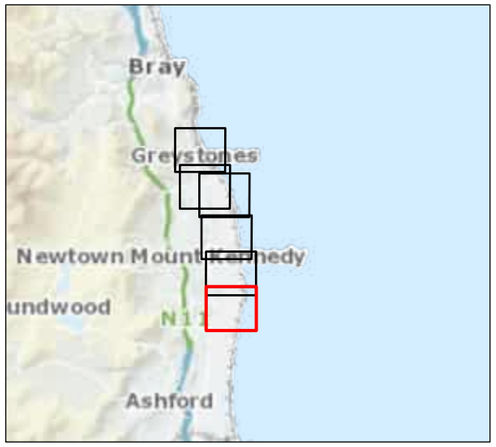
FIGURE 4.2

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Coastal Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

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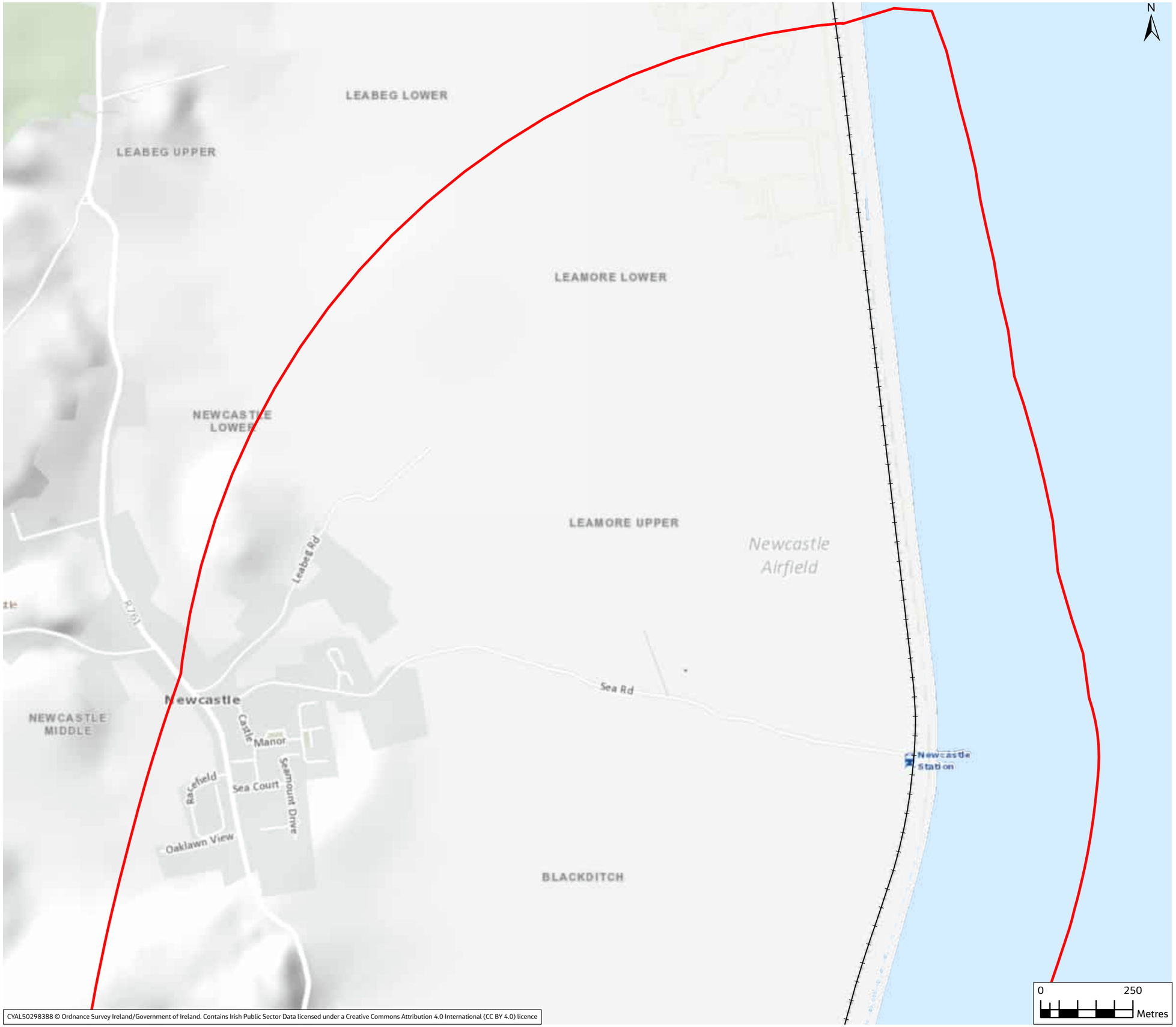

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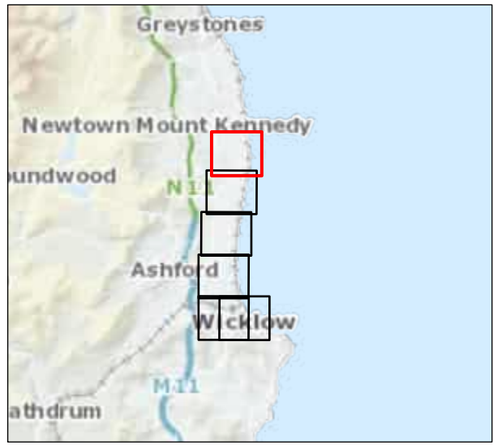
FIGURE 4.2

Legend

- CCA6.2 Study Area
- Railway Network Centreline



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Drawing Title

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

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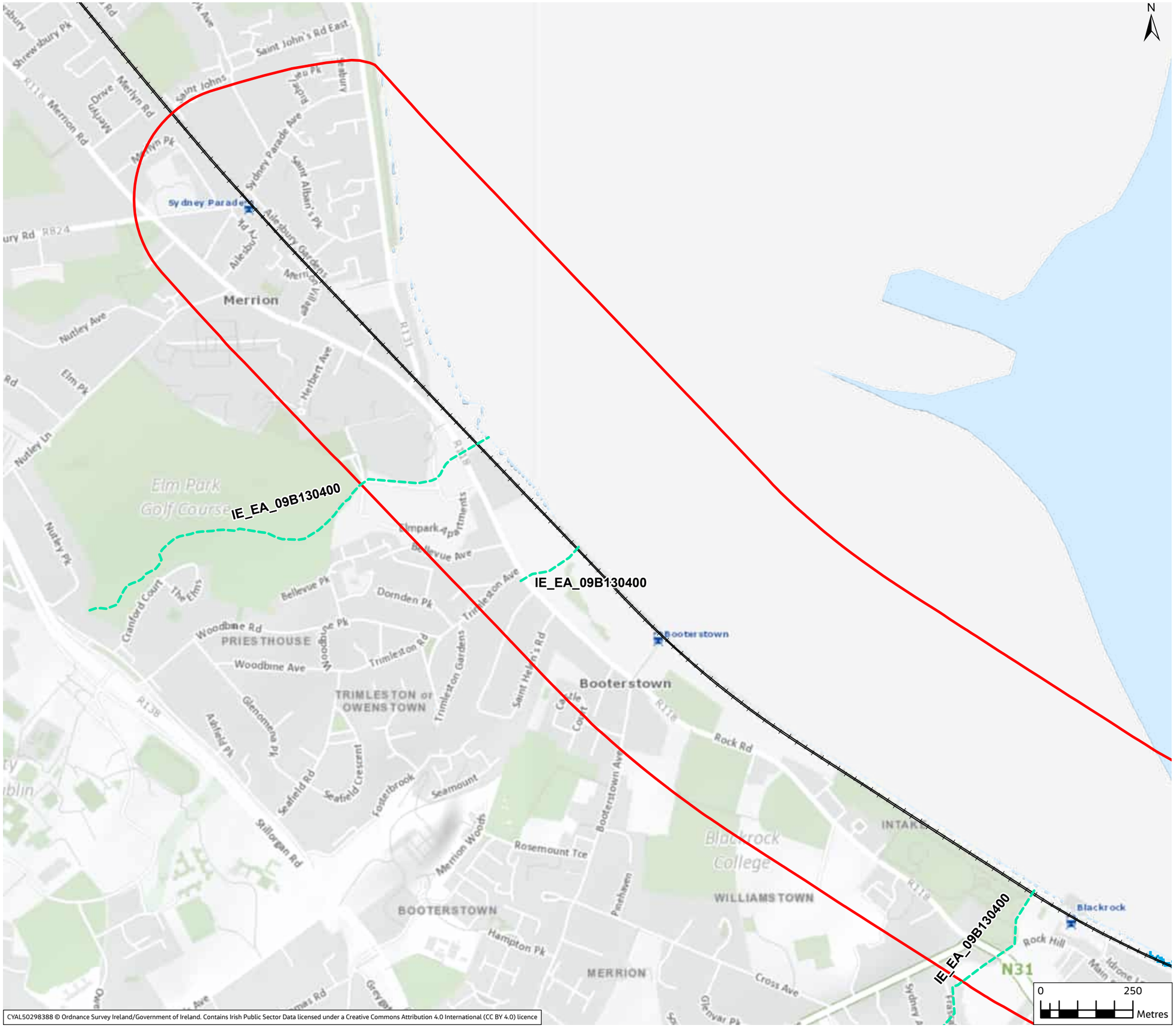

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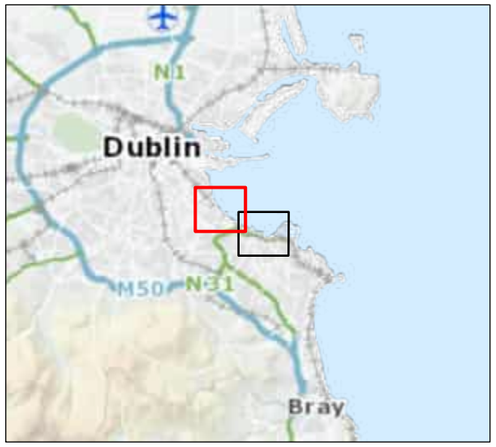
FIGURE 4.4

Legend

- CCA1 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

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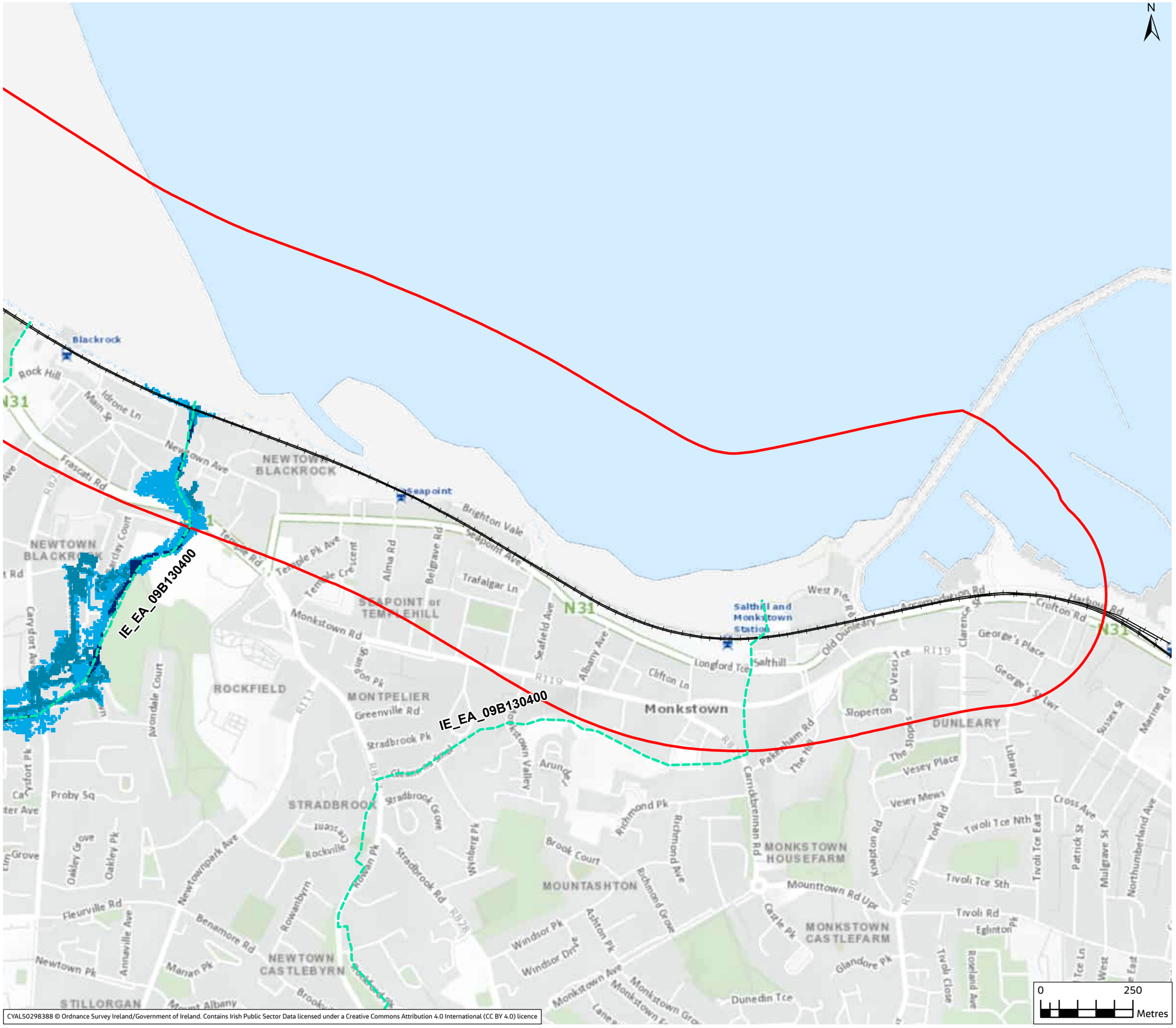
FIGURE 4.4



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Legend

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

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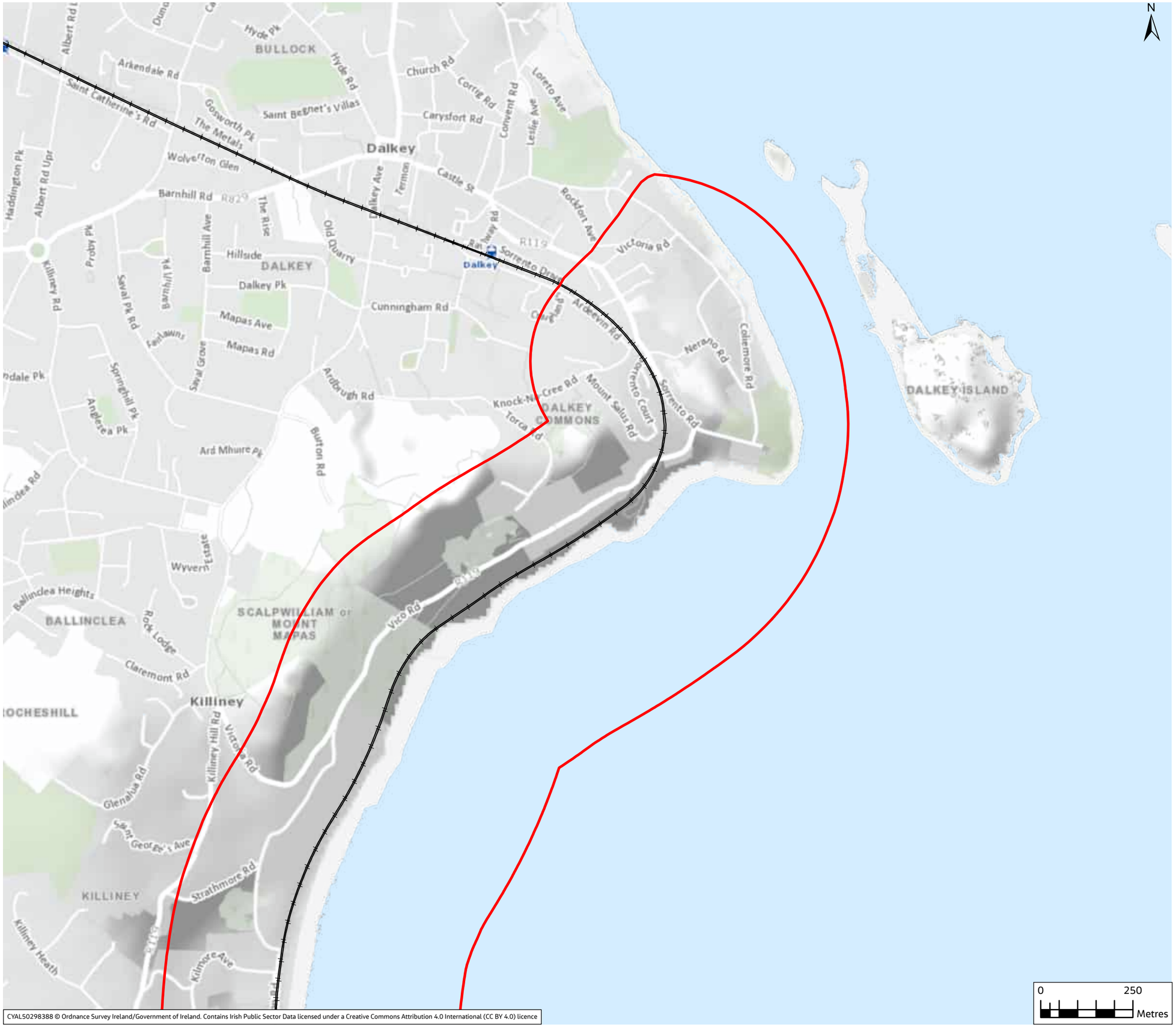

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FIGURE 4.4

Legend

- CCA2-3 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability

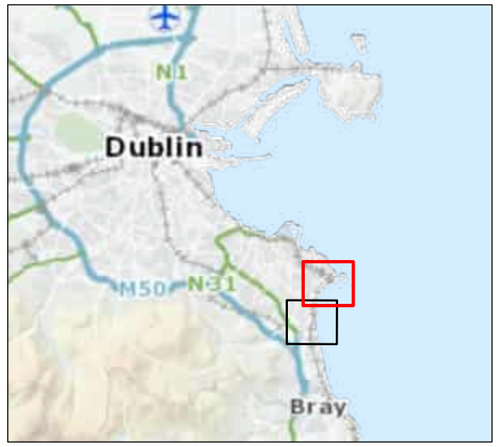

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Figure 4.4
CCA2-3- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 1 of 2)

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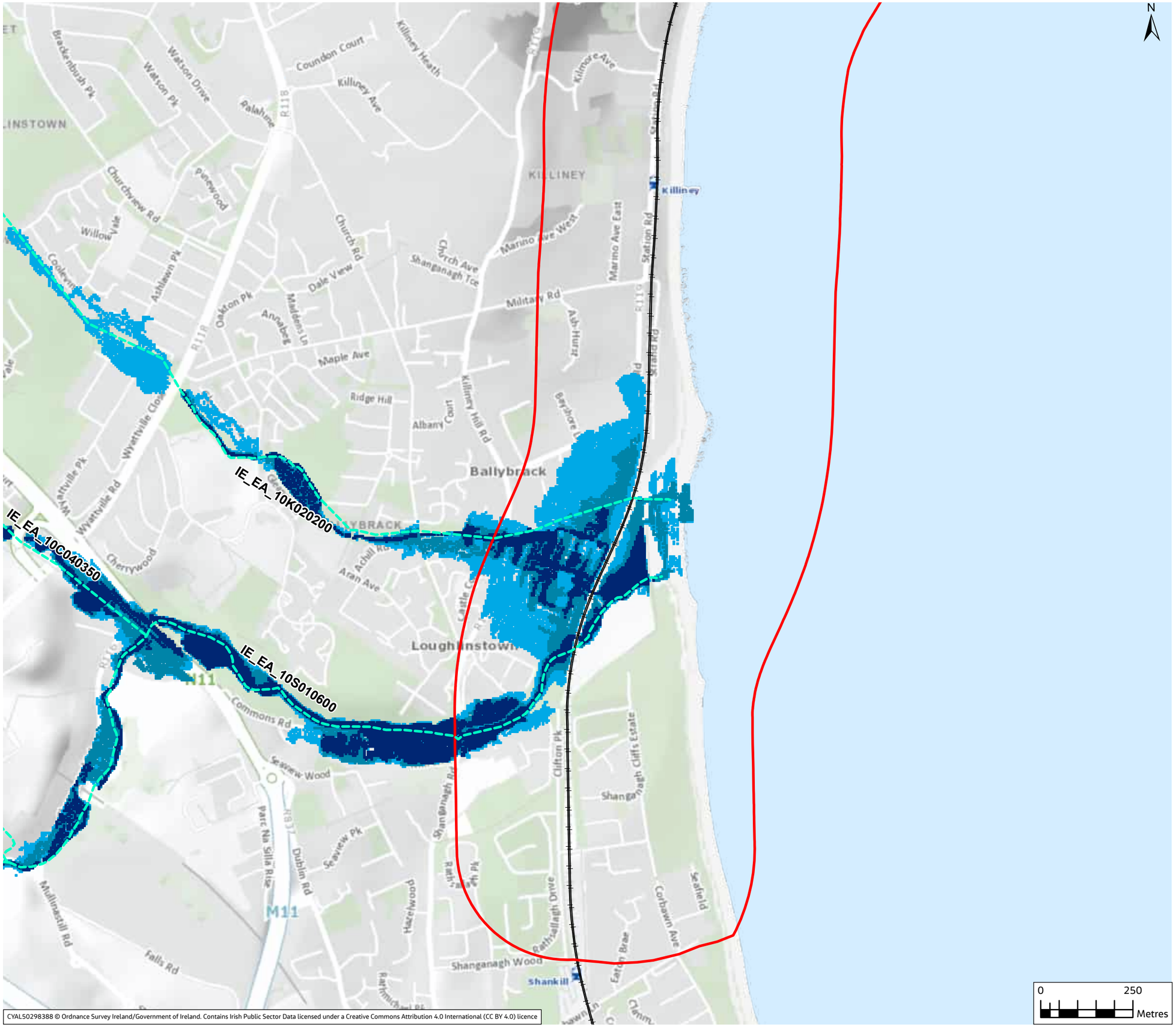

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FIGURE 4.4

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 2 of 2)

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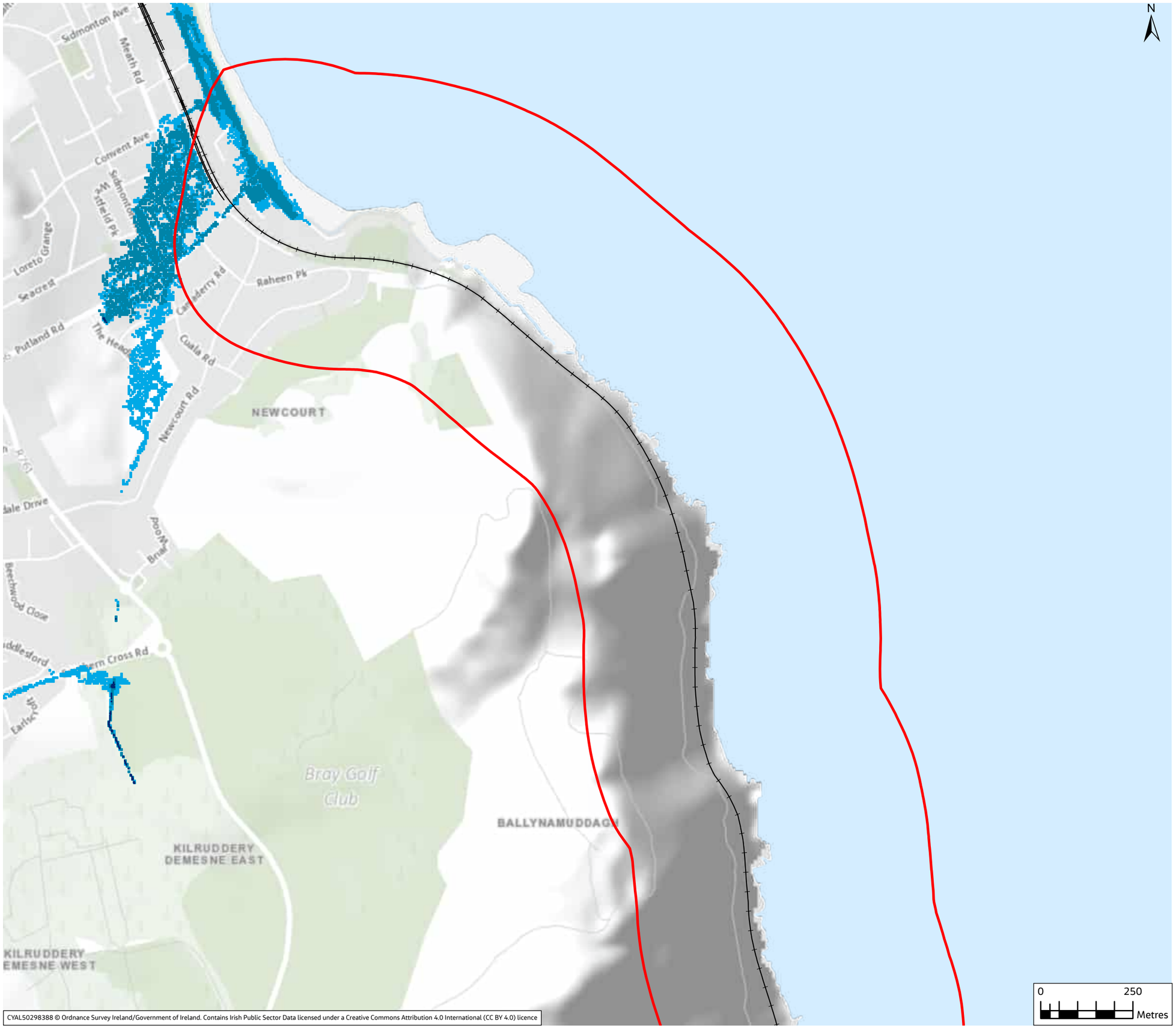

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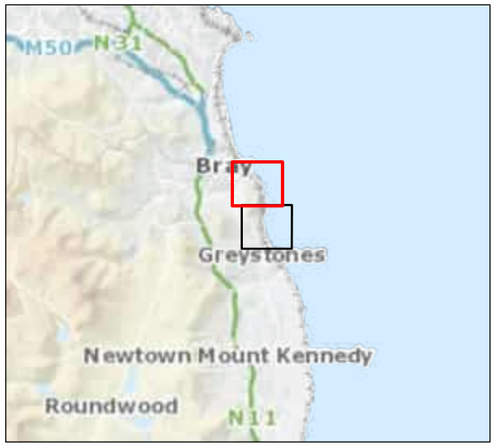
FIGURE 4.4

Legend

- CCA5 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

Figure 4.4
CCA5- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 1 of 2)

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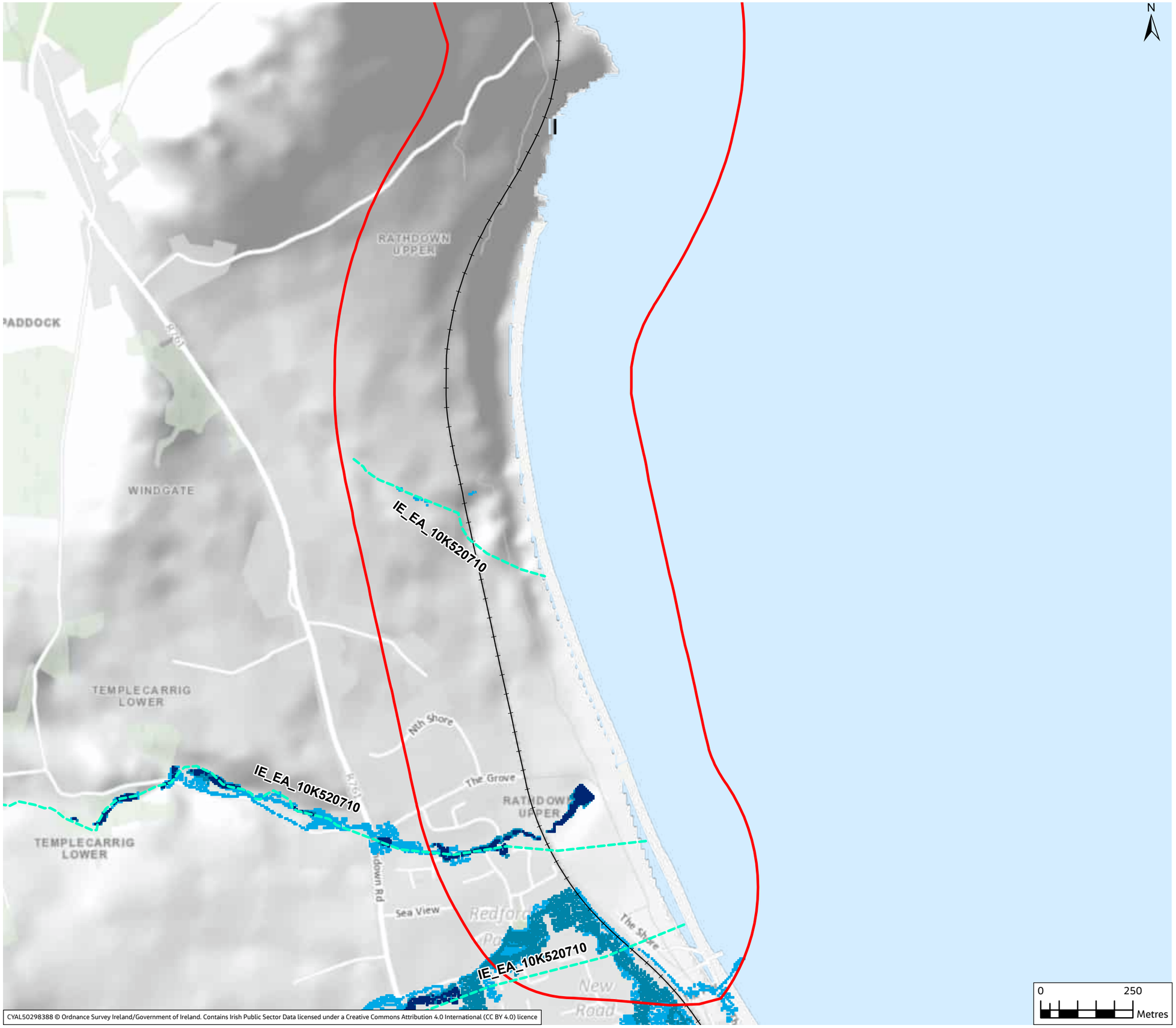

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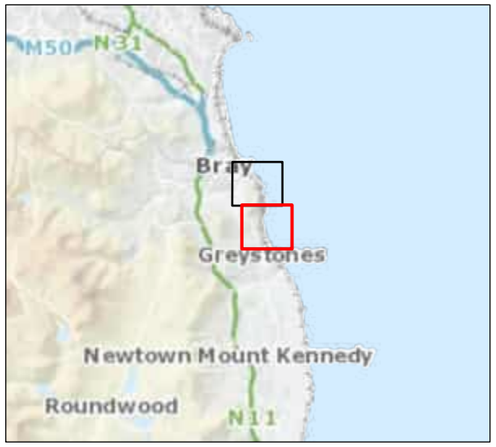
FIGURE 4.4

Legend

- CCA5 Study Area
- Railway Network Centreline
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

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

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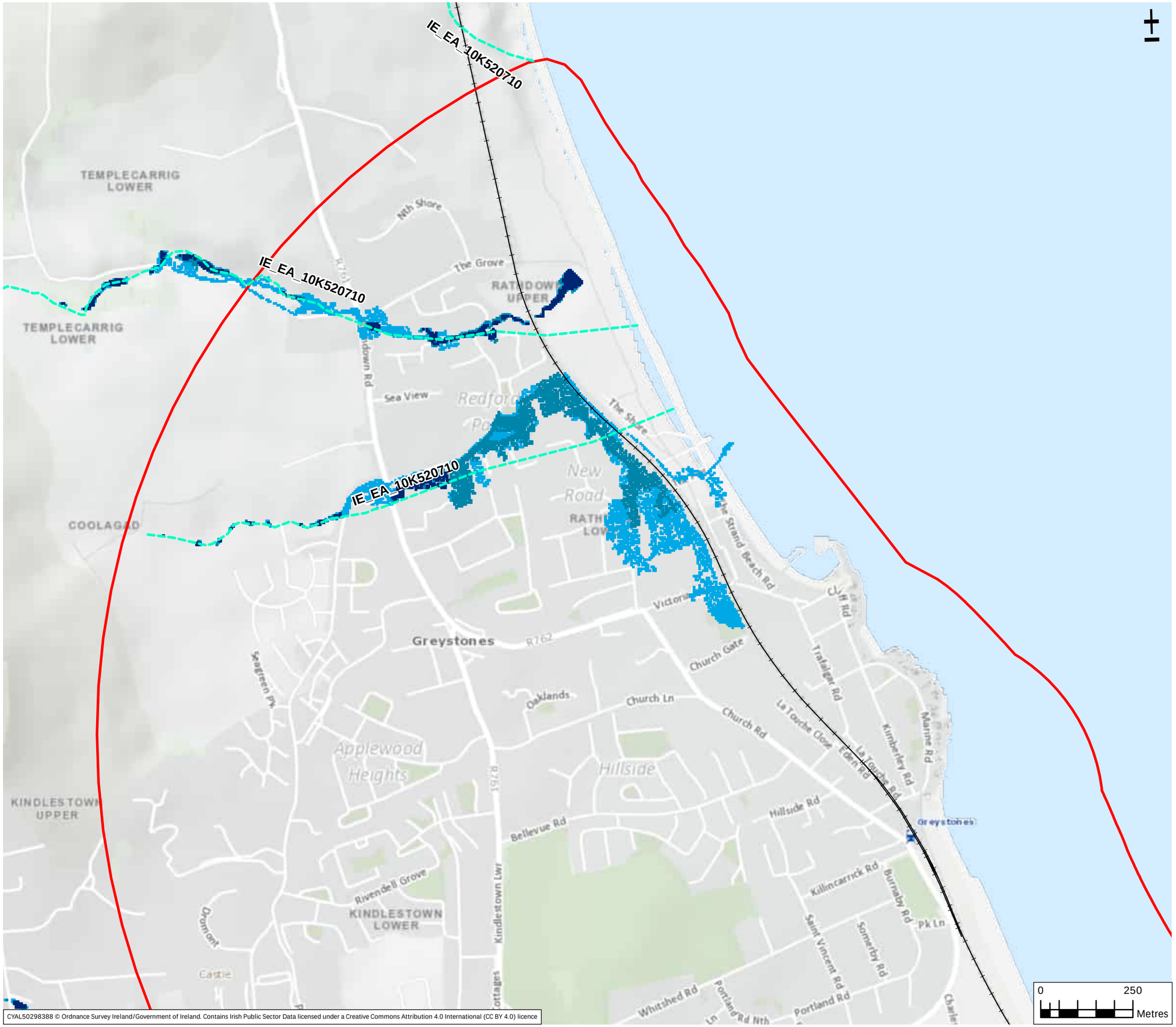

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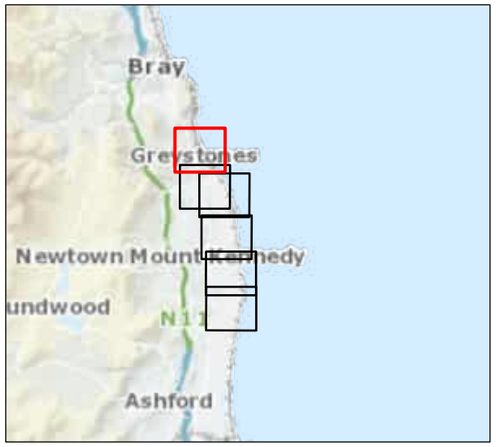
FIGURE 4.4

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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INFRASTRUCTURE PROTECTION PROJECTS

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

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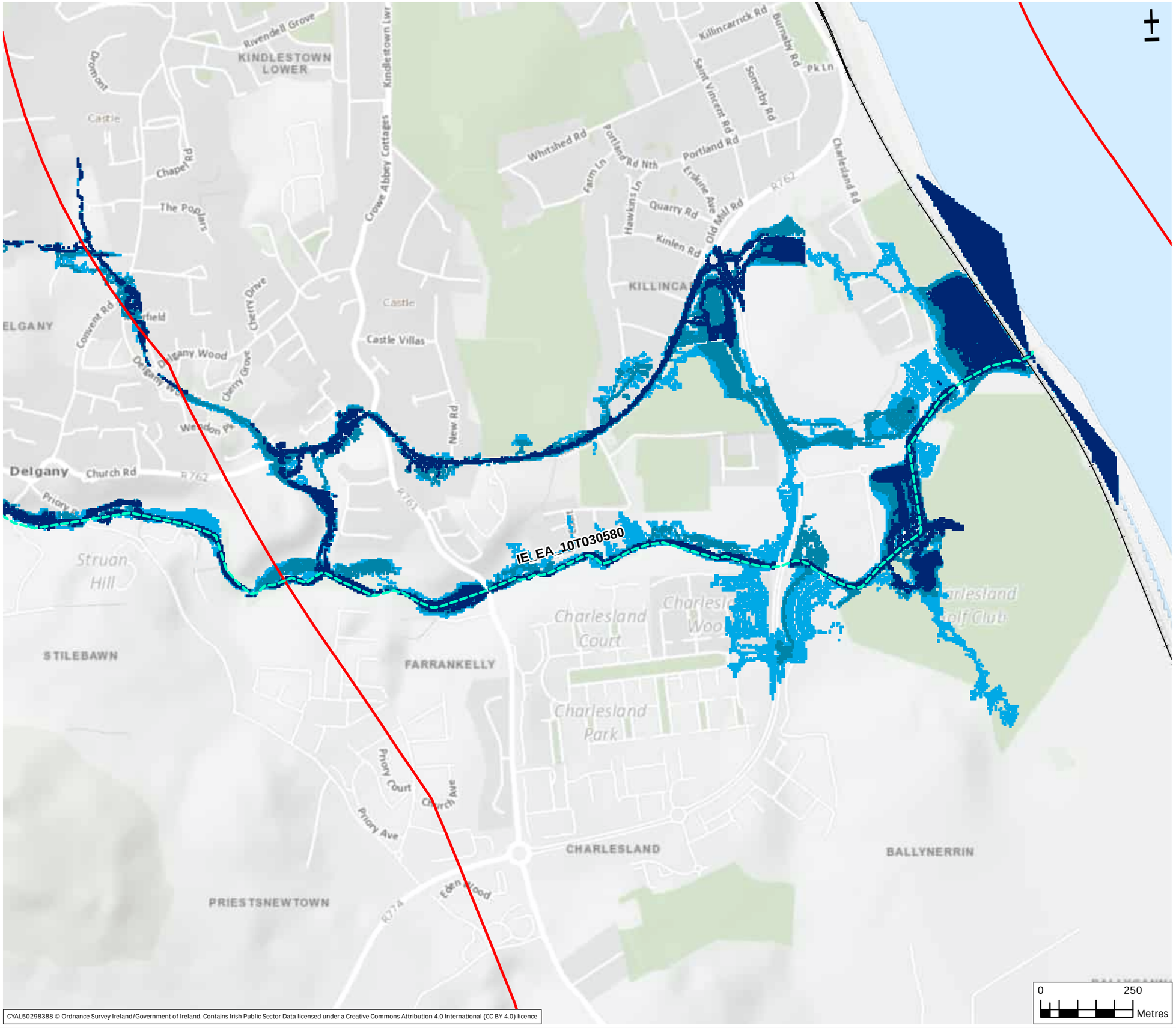

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FIGURE 4.4

Legend

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

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability

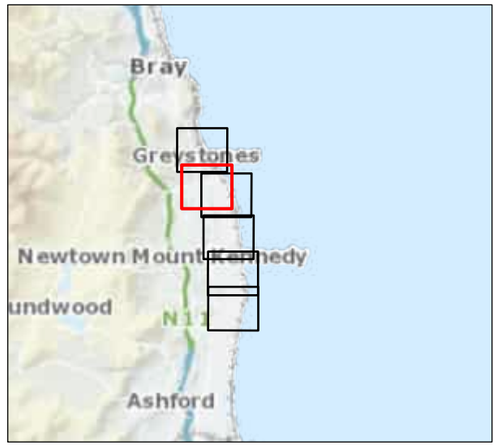

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Figure 4.4
CCA6.1- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 2 of 6)

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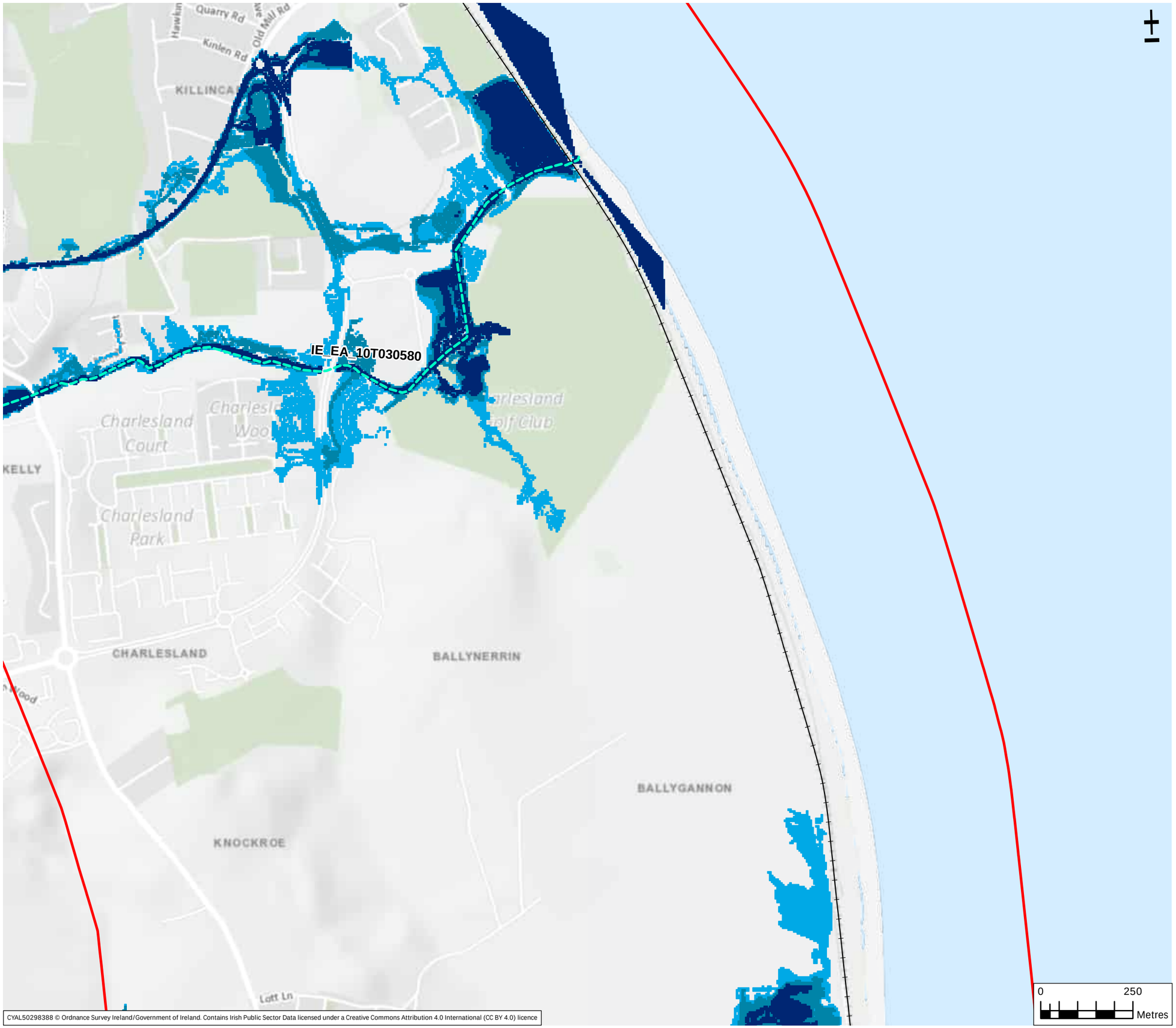

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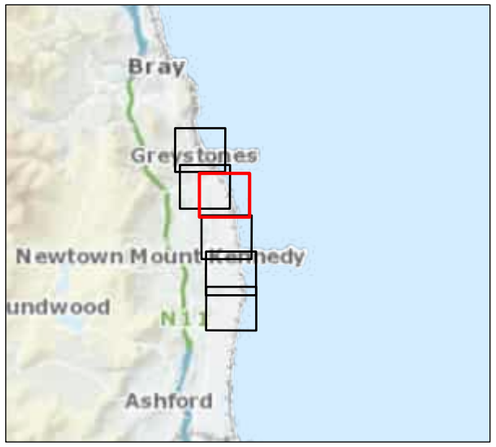
FIGURE 4.4

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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www.jacobs.com

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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

Drawing Status

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State Code	Phase 2		
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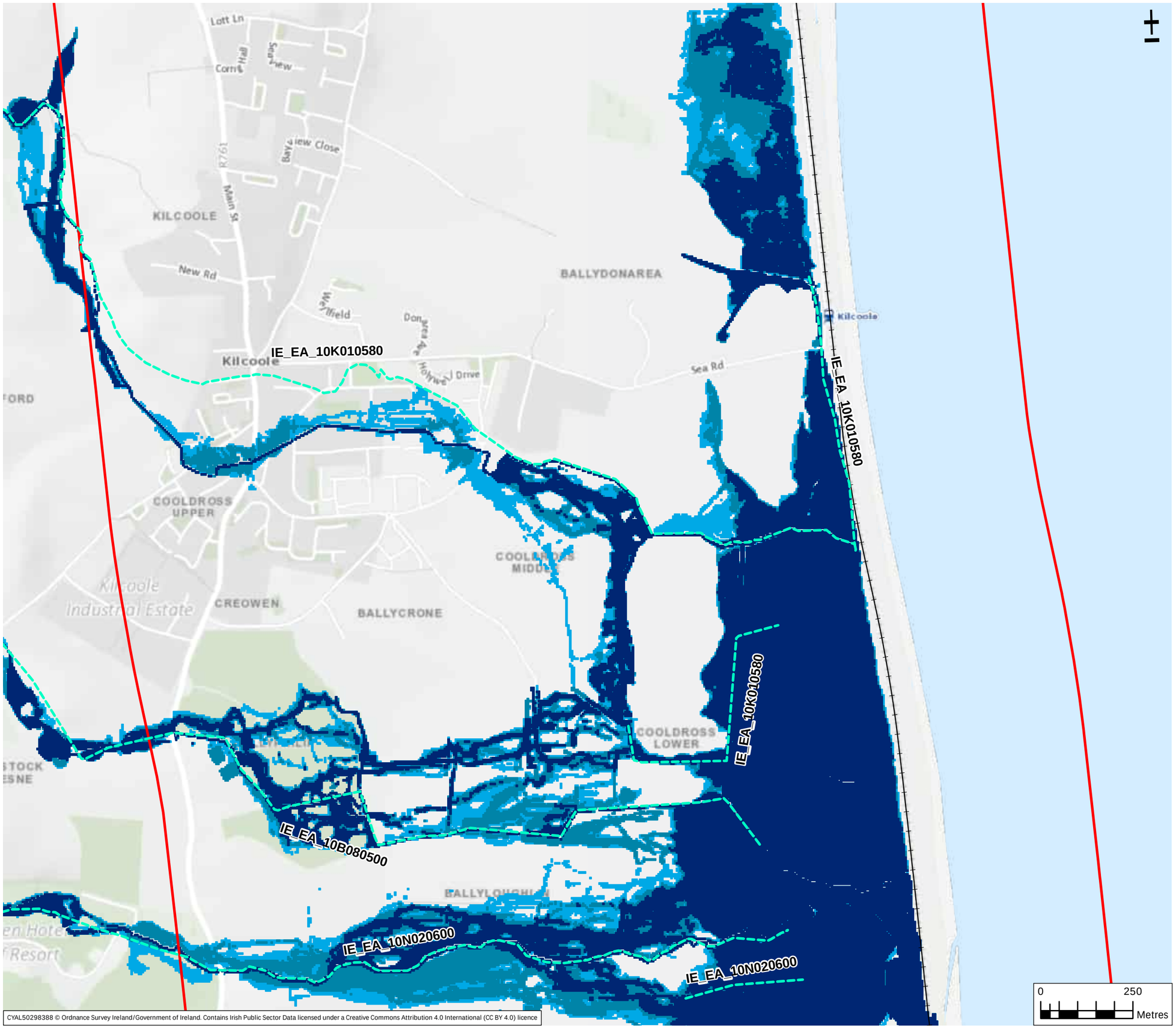

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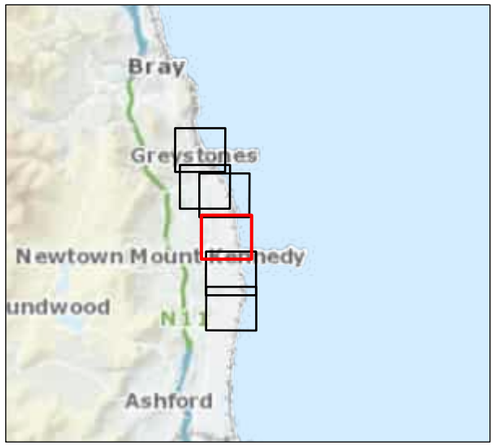
FIGURE 4.4

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 4 of 6)

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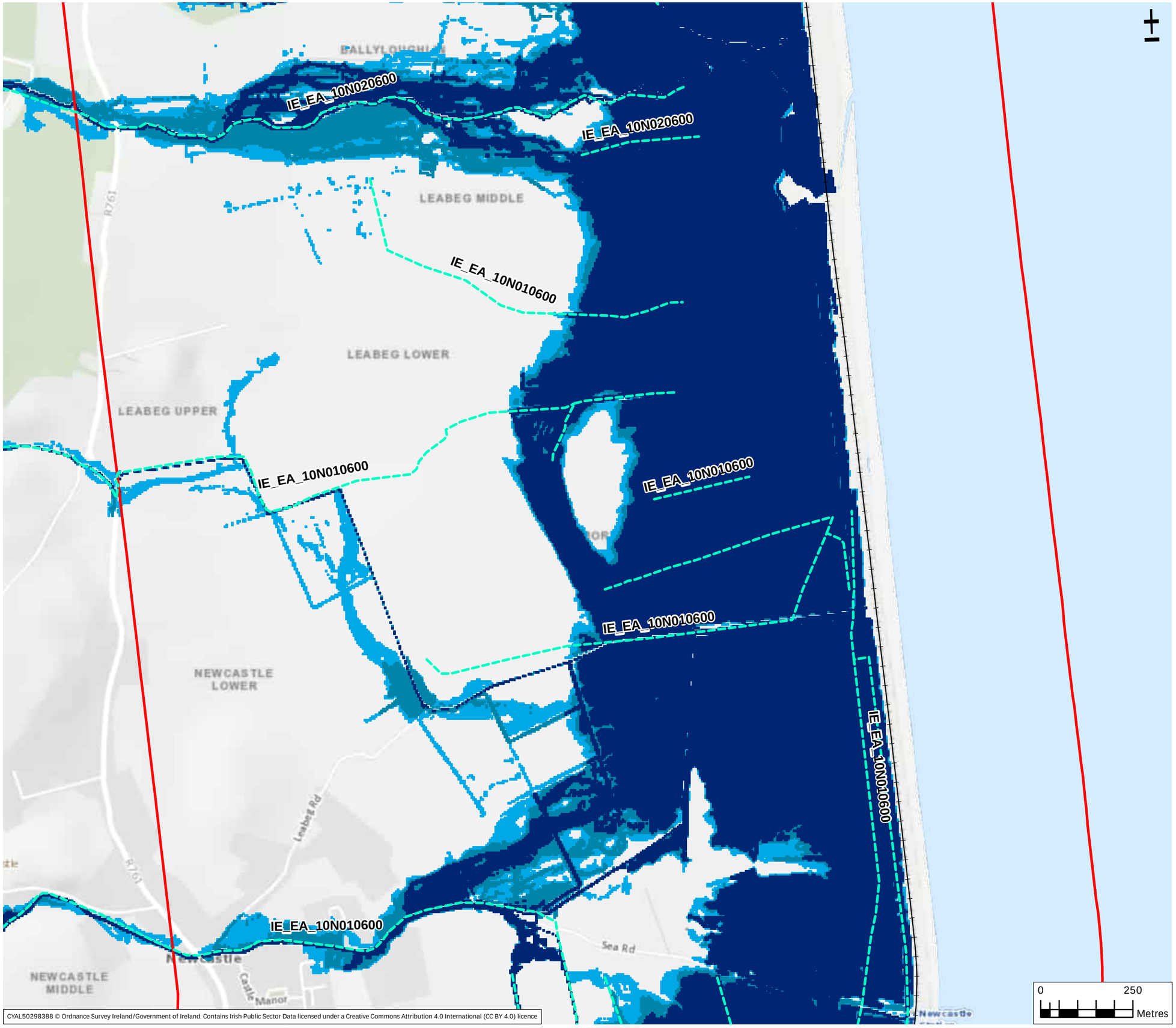

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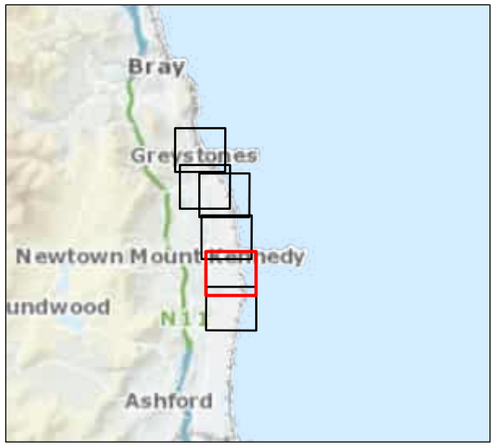
FIGURE 4.4

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 5 of 6)

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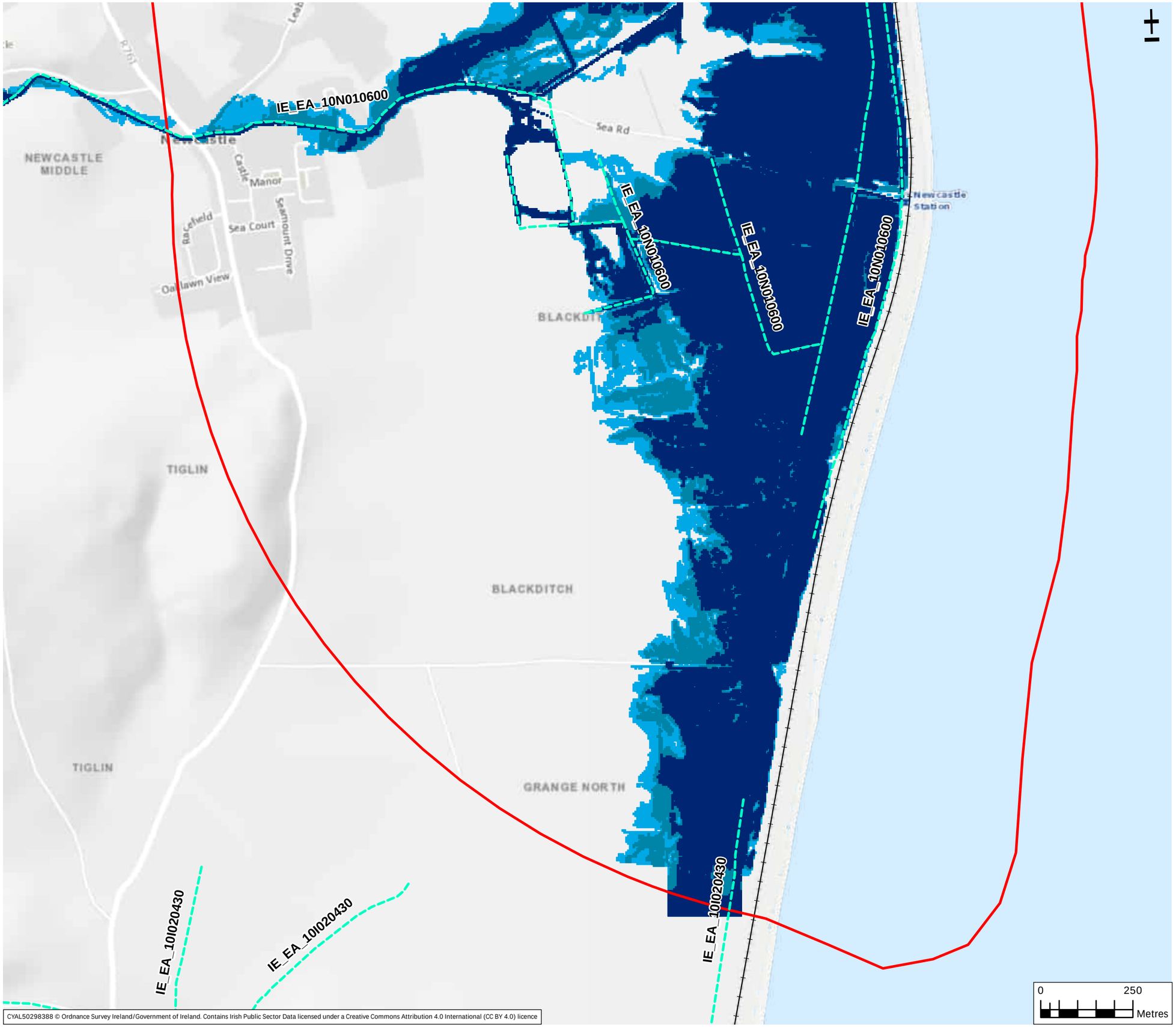

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FIGURE 4.4

Legend

- CCA6.1 Study Area
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- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability

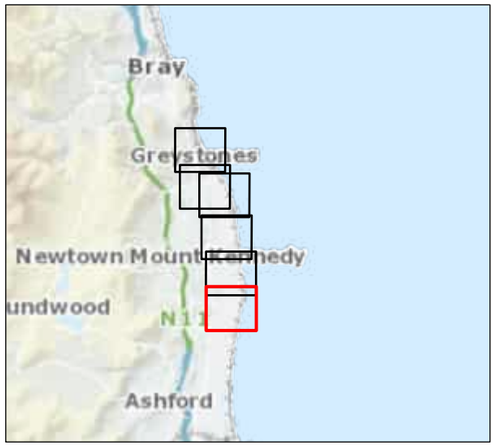

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Figure 4.4
CCA6.1- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 6 of 6)

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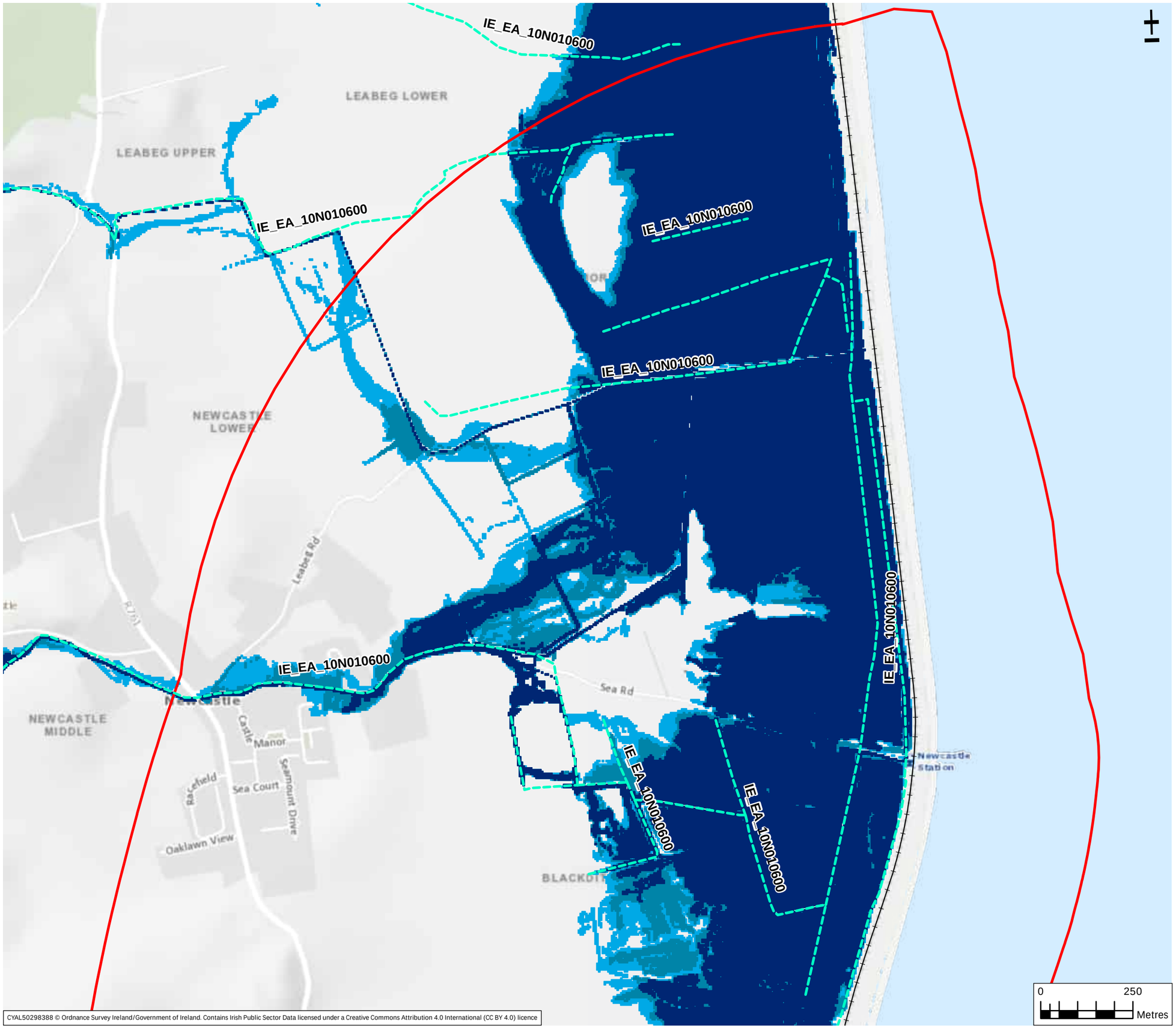

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FIGURE 4.4

Legend

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

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability

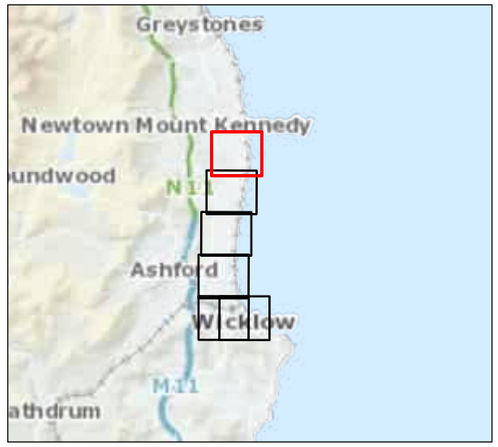

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Figure 4.4
CCA6.2- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 1 of 6)

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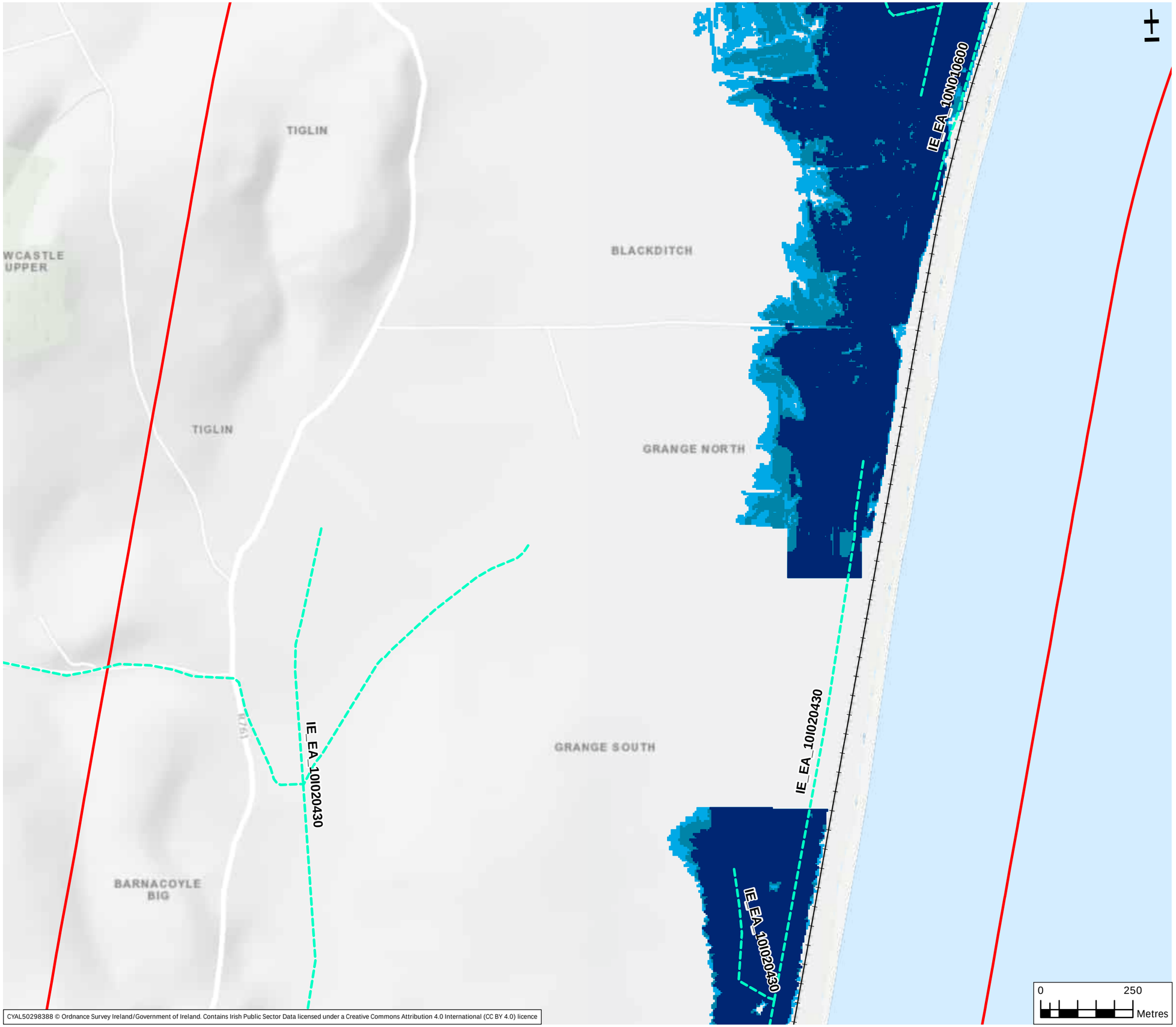

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FIGURE 4.4

Legend

- CCA6.2 Study Area
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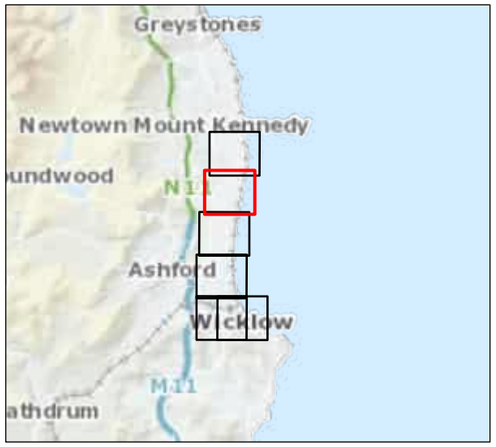
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

Figure 4.4
CCA6.2- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 2 of 6)

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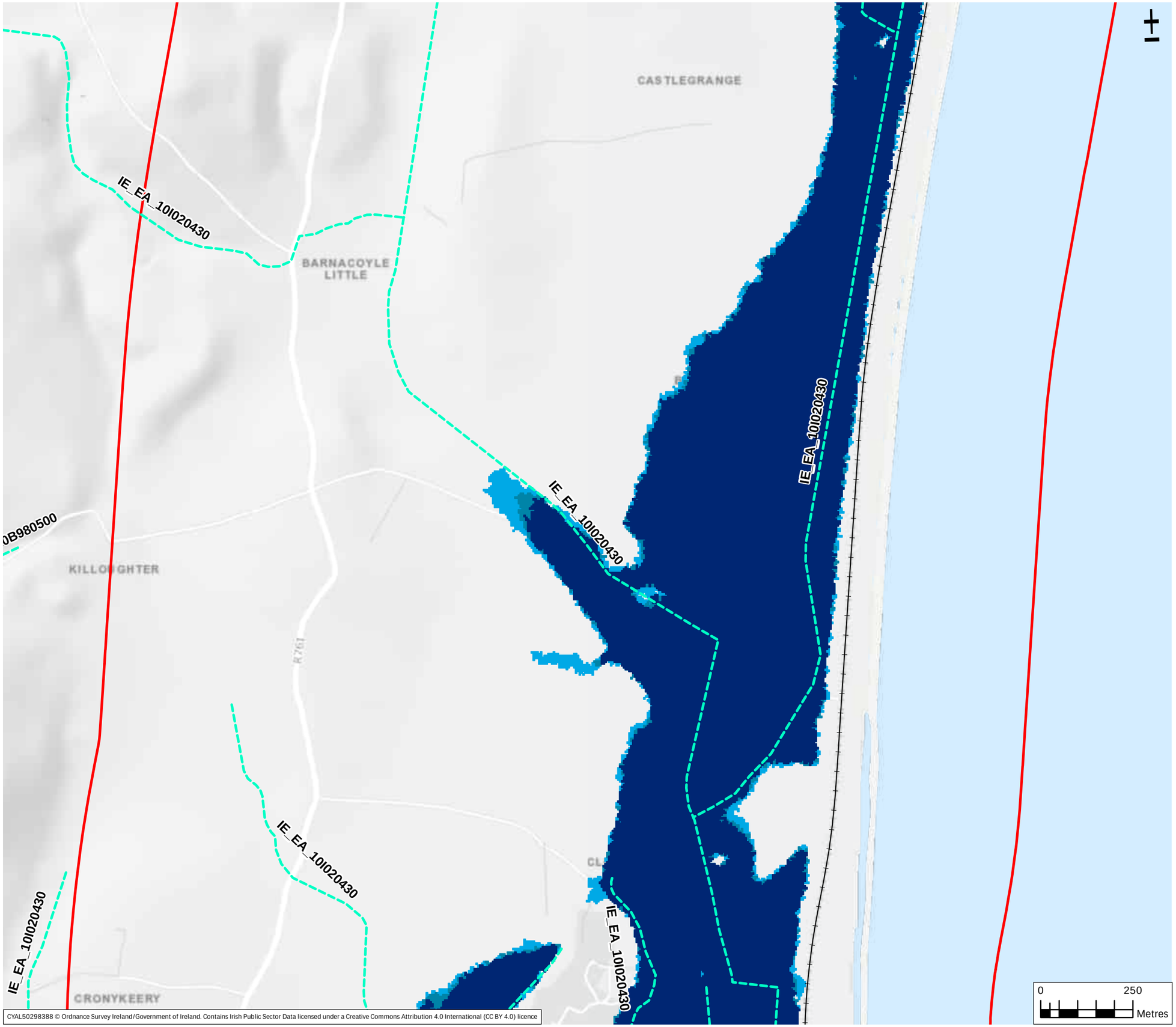

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FIGURE 4.4

Legend

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

Fluvial Mid-Range Future Flood Extents

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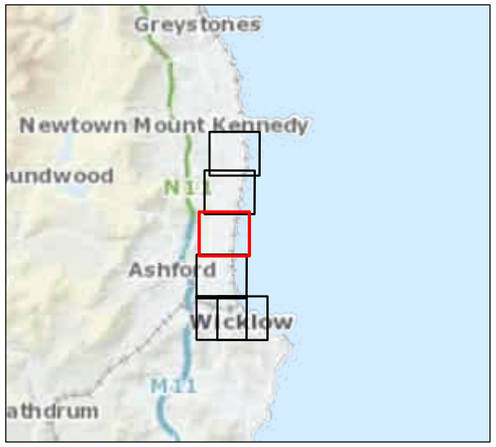
- High Propability



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Drawing Title

Figure 4.4
CCA6.2- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 3 of 6)

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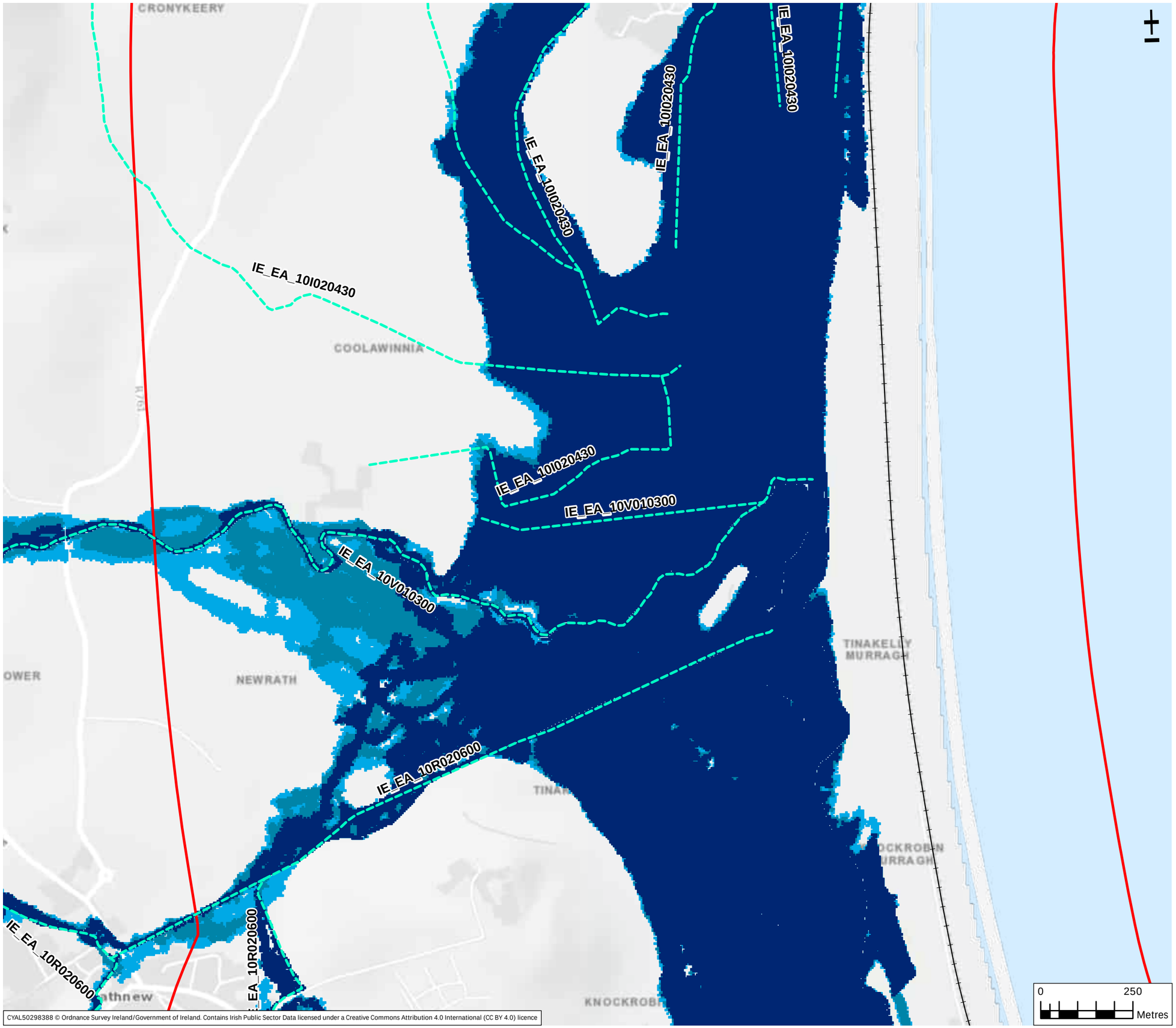

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FIGURE 4.4

Legend

- CCA6.2 Study Area
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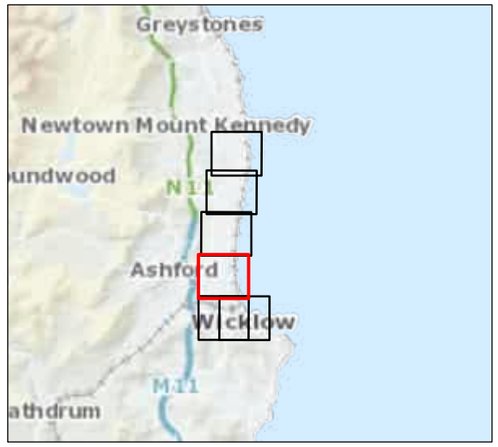
- Rivers

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability



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Drawing Title

Figure 4.4
CCA6.2- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 4 of 6)

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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

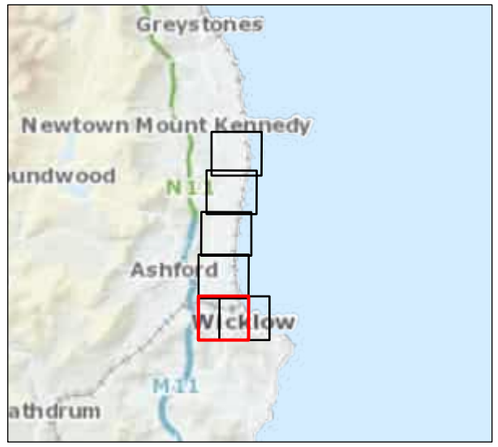

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Figure 4.4
CCA6.2- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 5 of 6)

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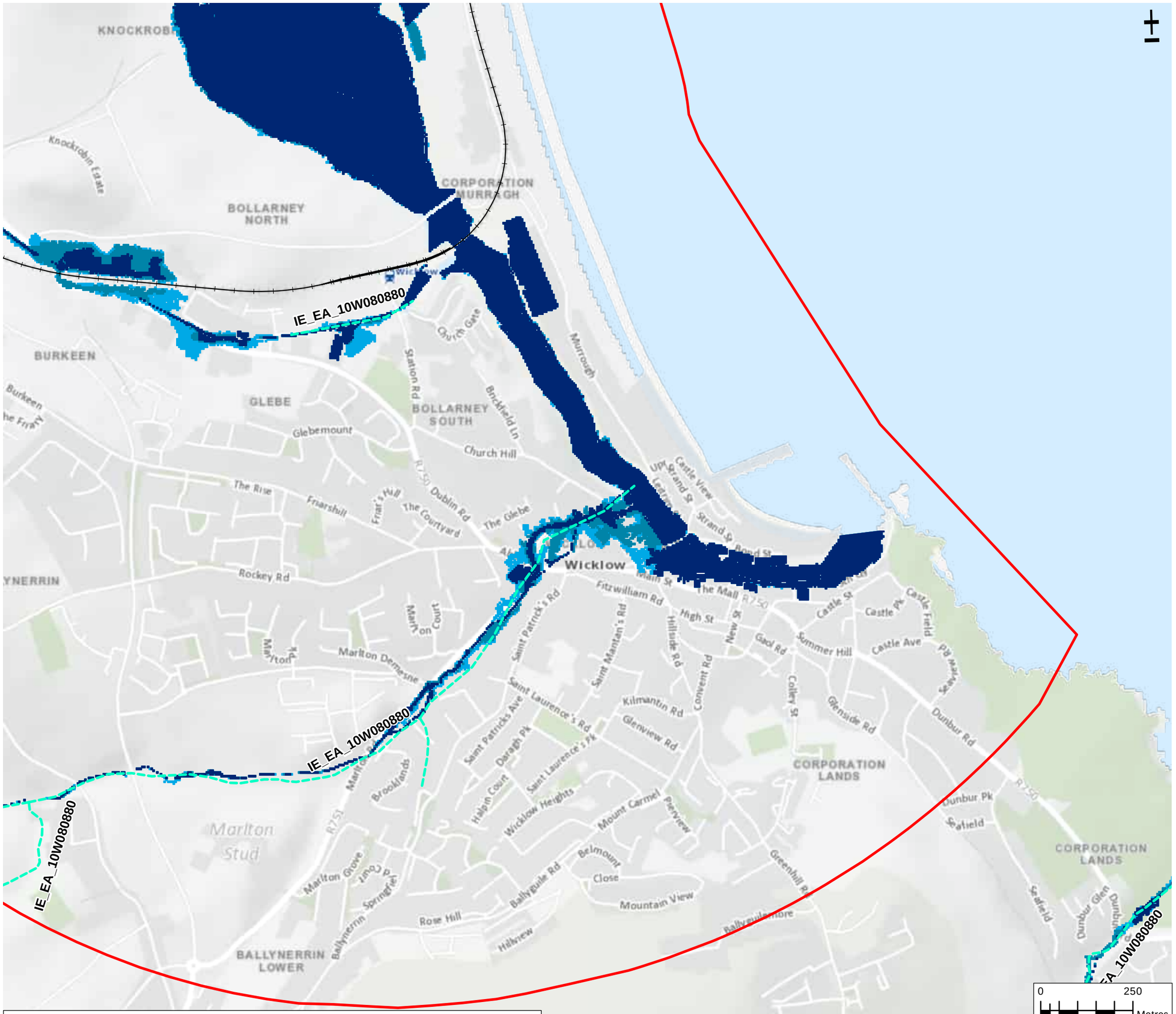

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FIGURE 4.4

Legend

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

Fluvial Mid-Range Future Flood Extents

- Low Propability
- Medium Propability
- High Propability

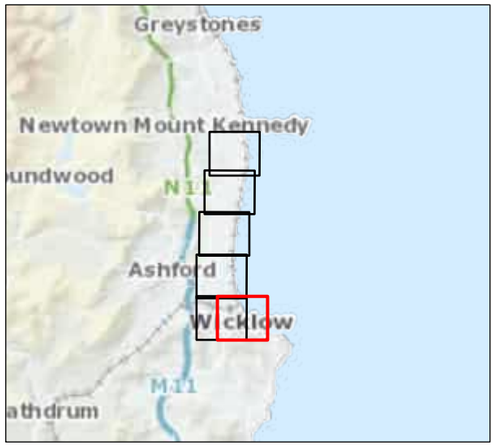

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Figure 4.4
CCA6.2- Environmental Constraints
Fluvial Mid-Range Future Flood Extents
(Page 6 of 6)

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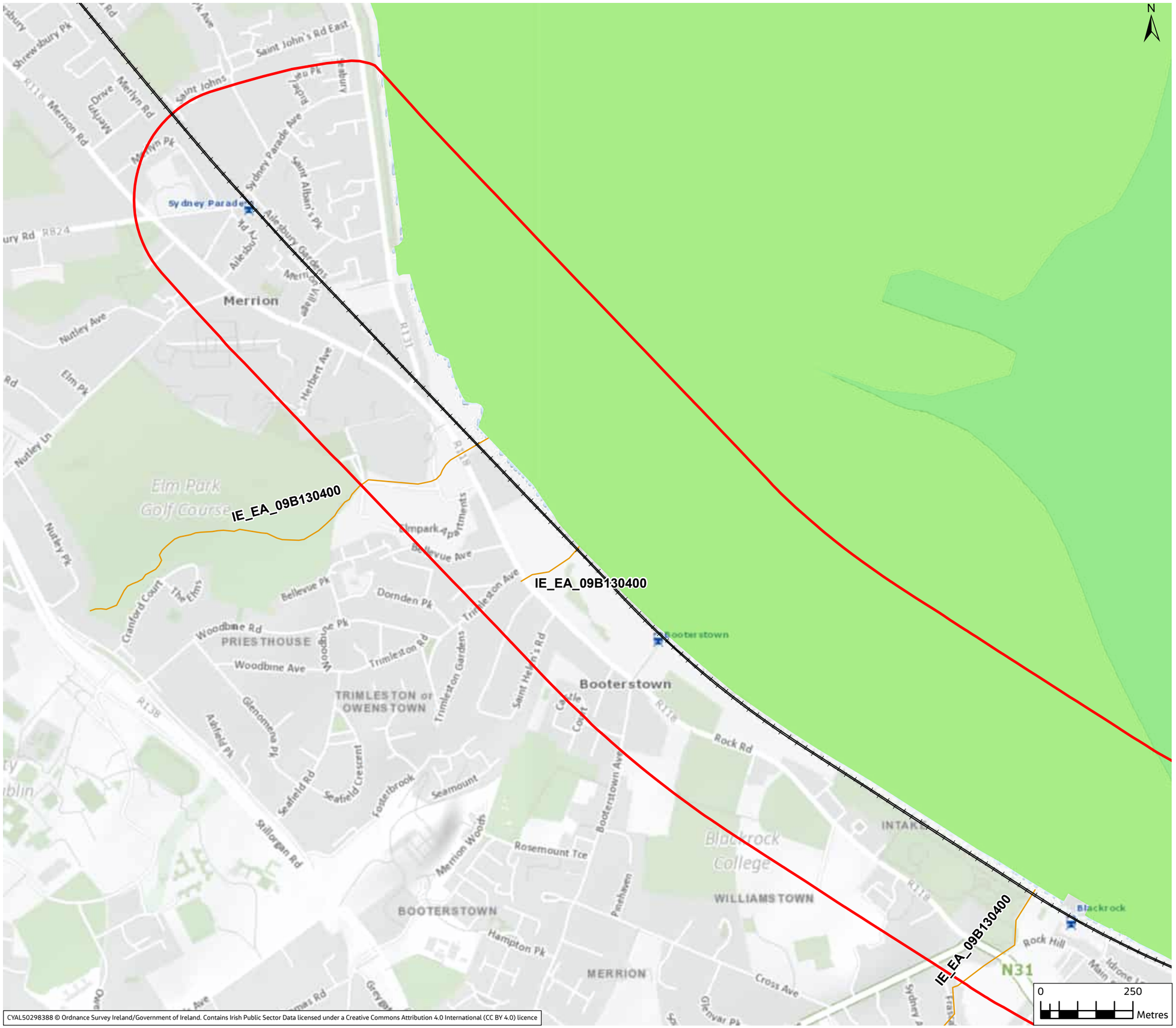
FIGURE 4.5



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Legend

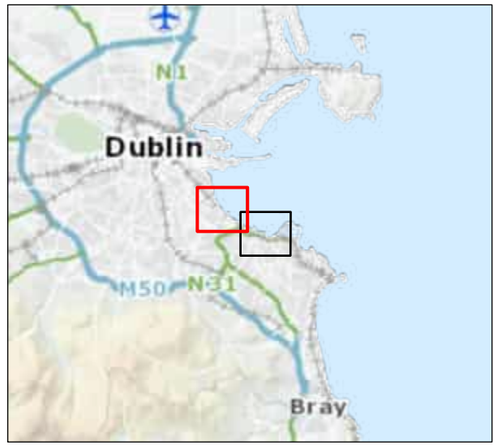
- CCA1 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Poor

Water Framework Directive Status - Coastal

- Good



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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

Drawing Status	ISSUE FOR ACCEPTANCE		
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Client No.	8093		
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FIGURE 4.5

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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 2 of 2)

Drawing Status

ISSUE FOR ACCEPTANCE

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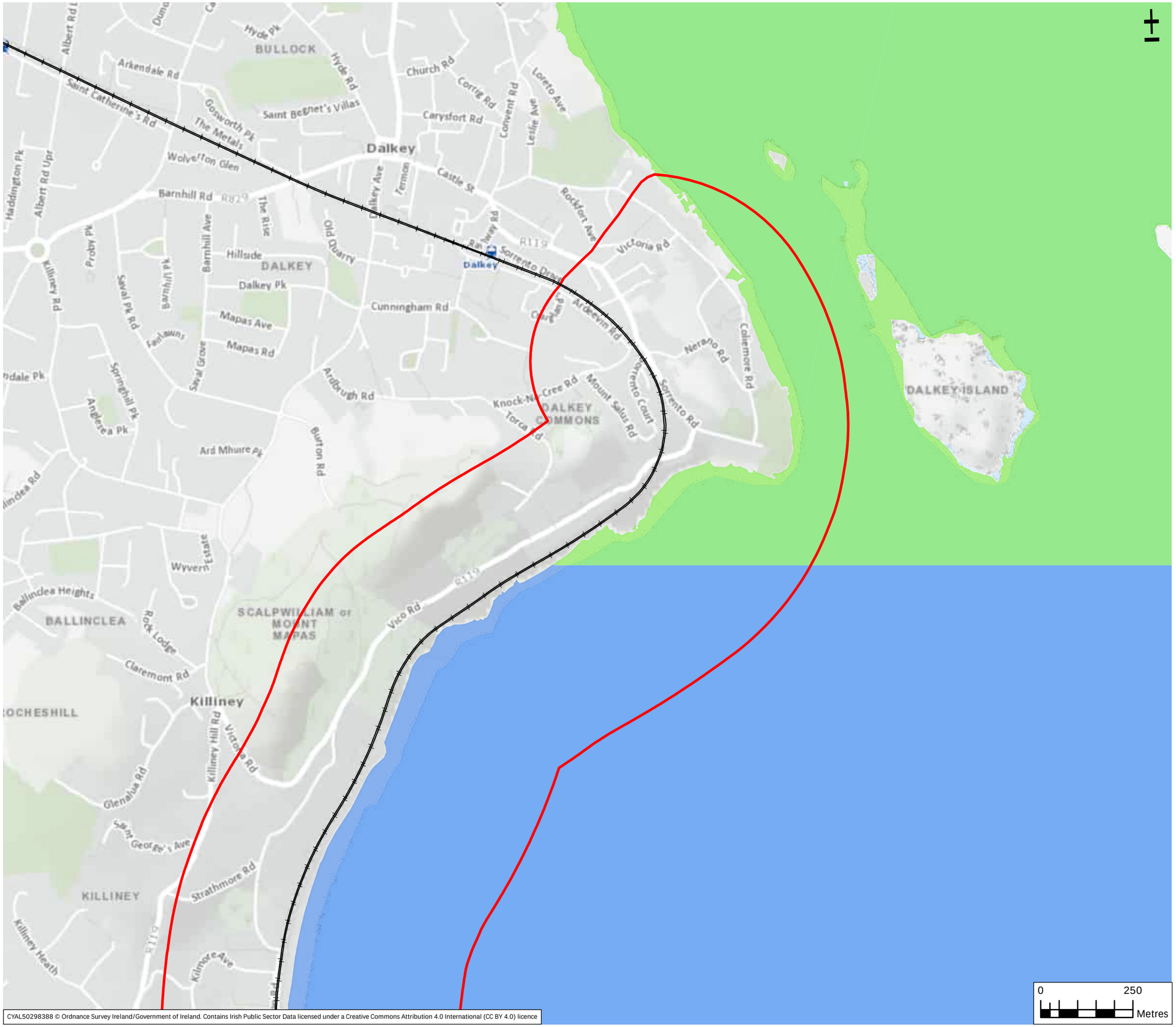

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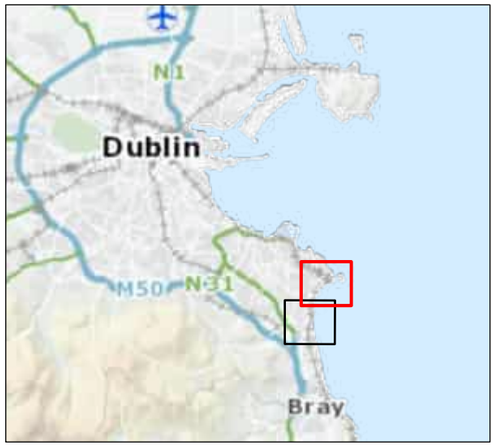
FIGURE 4.5

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)

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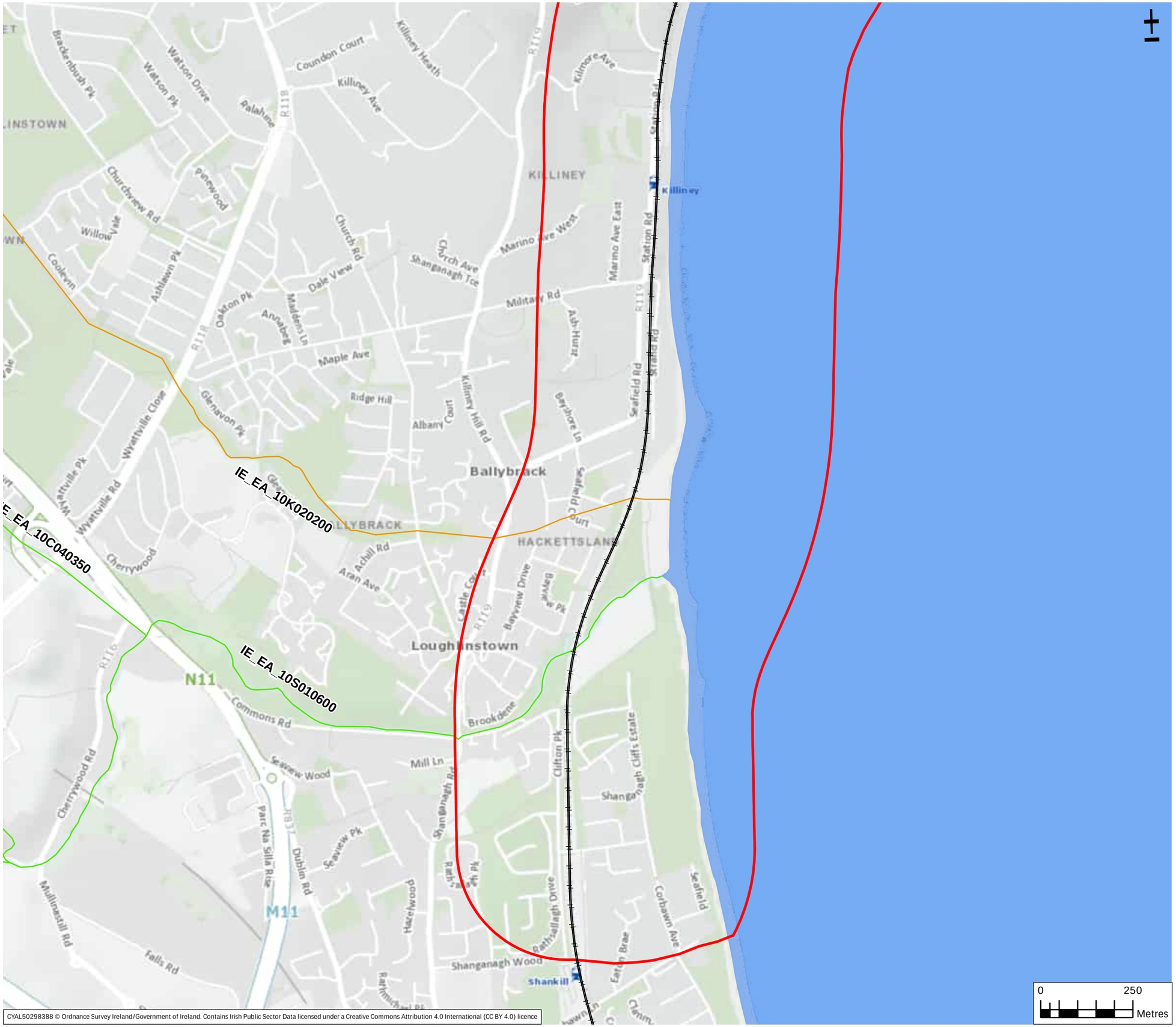

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FIGURE 4.5

Legend

- CCA2-3 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Good
- Poor

Water Framework Directive Status - Coastal

- High

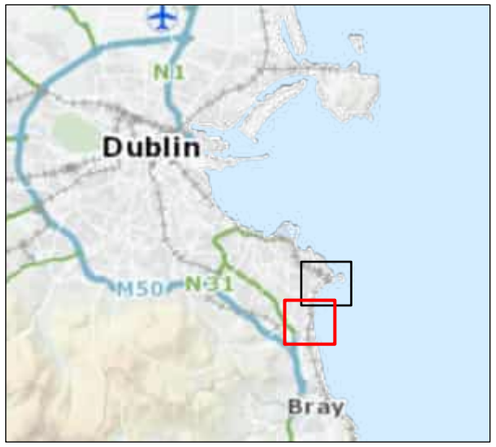

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Figure 4.5
CCA2-3- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 2 of 2)

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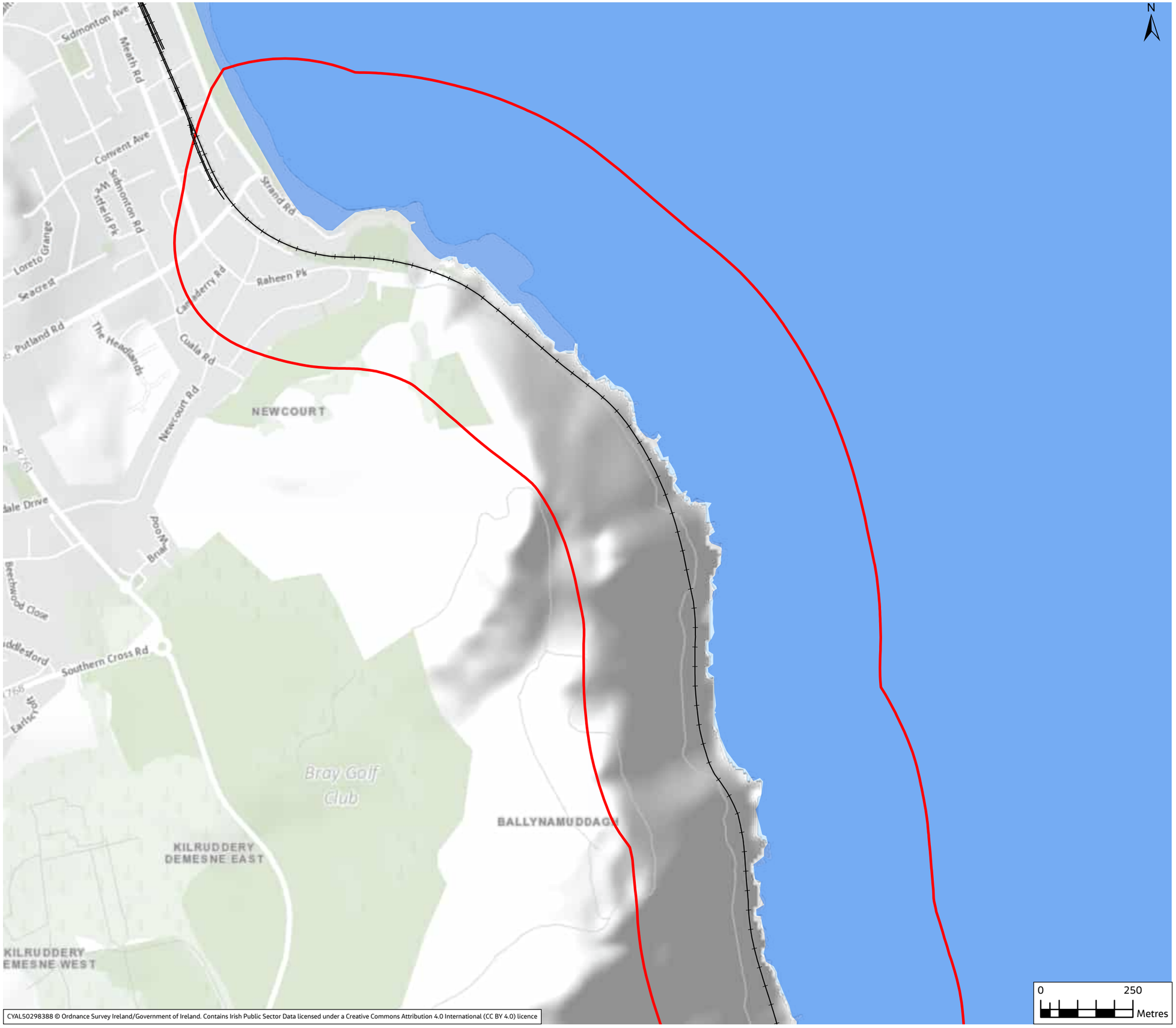

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FIGURE 4.5

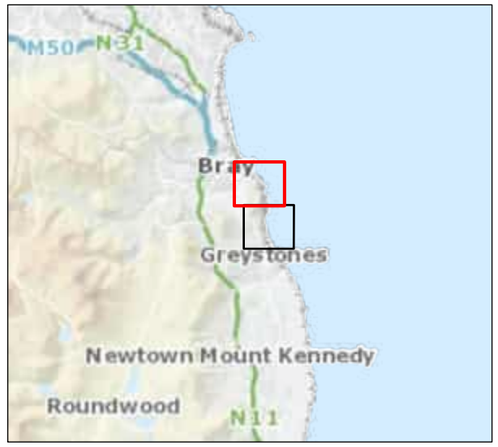
Legend

CCA5 Study Area

Railway Network Centreline

Water Framework Directive Status - Coastal

High



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Drawing Title

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

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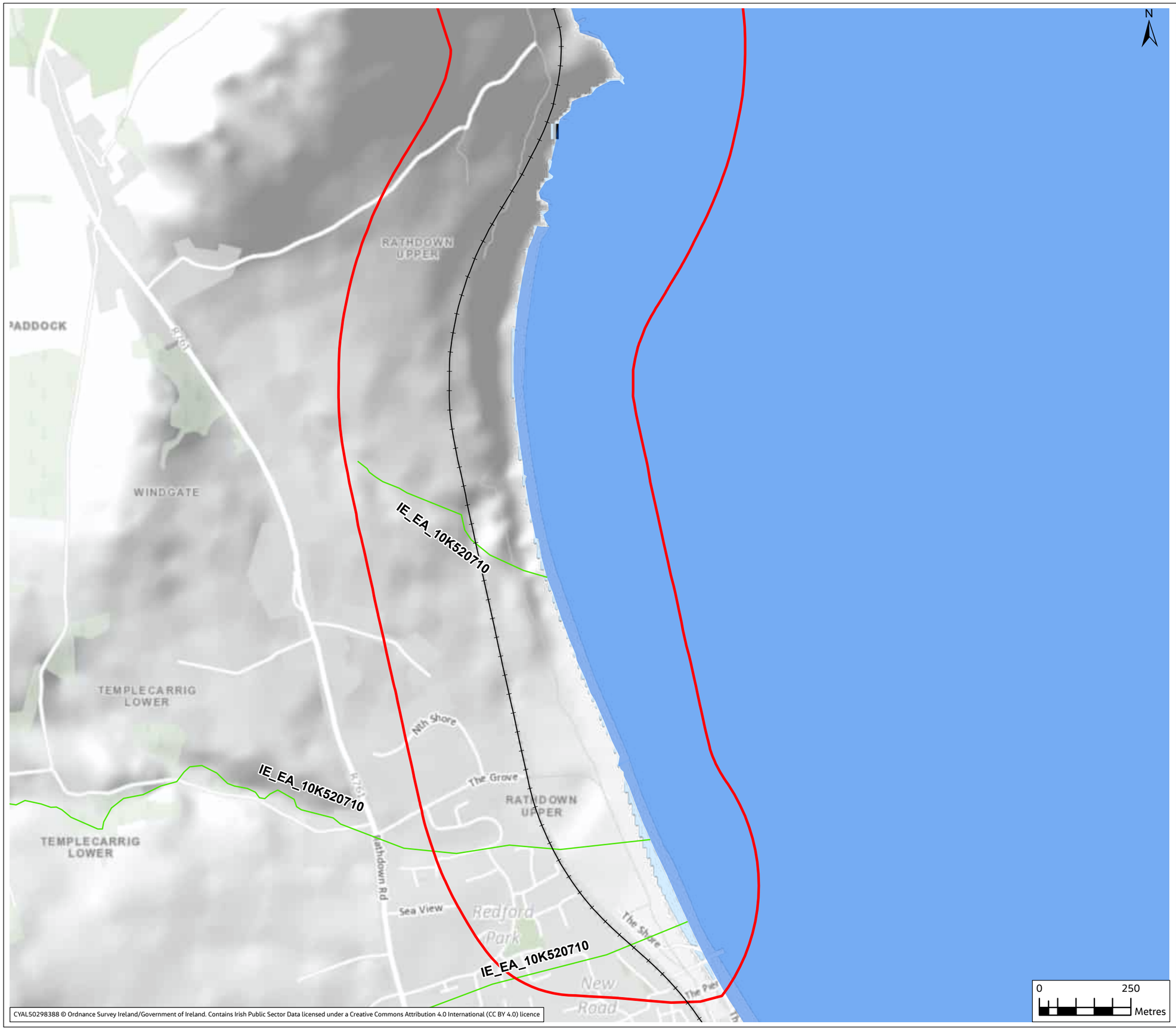

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FIGURE 4.5

Legend

- CCA5 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Good

Water Framework Directive Status - Coastal

- High

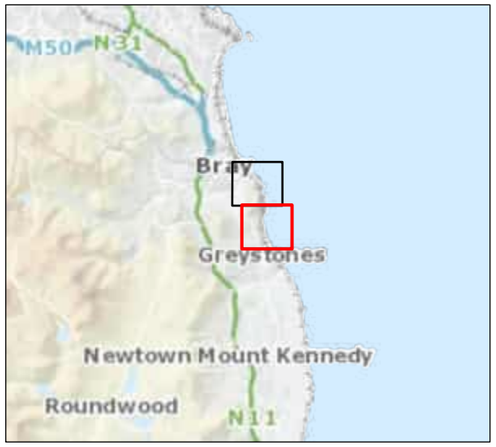

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Figure 4.5
CCA5- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 2 of 2)

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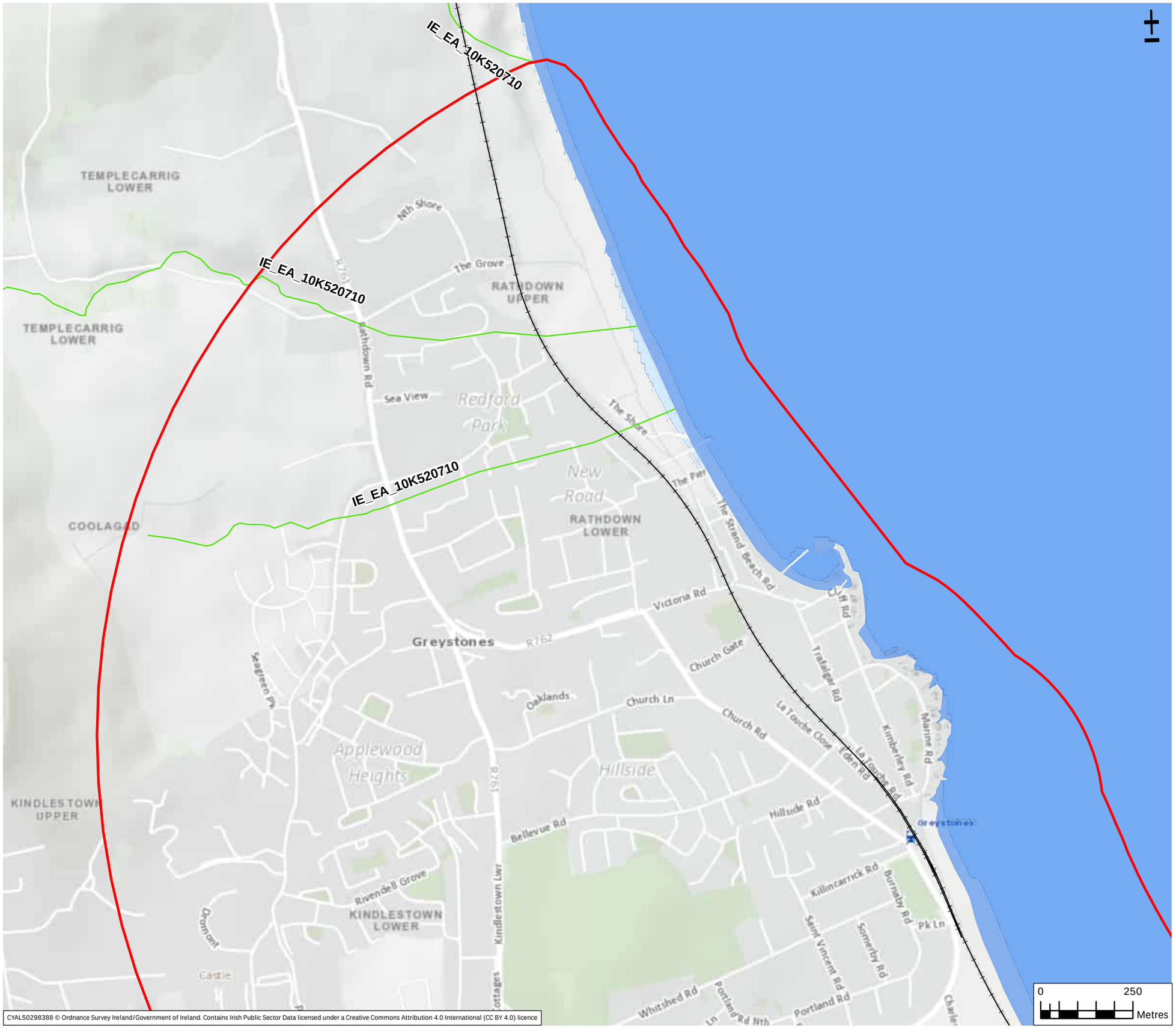

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FIGURE 4.5

Legend

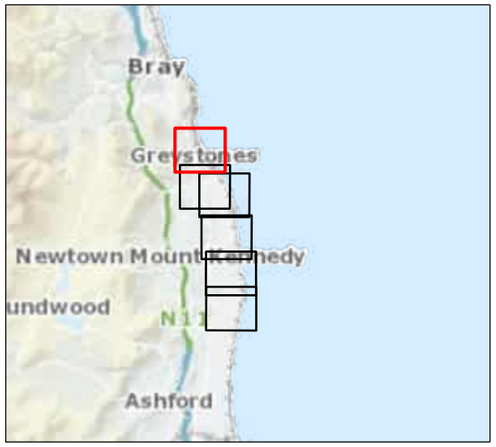
- CCA6.1 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Good

Water Framework Directive Status - Coastal

- High



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Drawing Title

Figure 4.5
CCA6.1- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 1 of 6)

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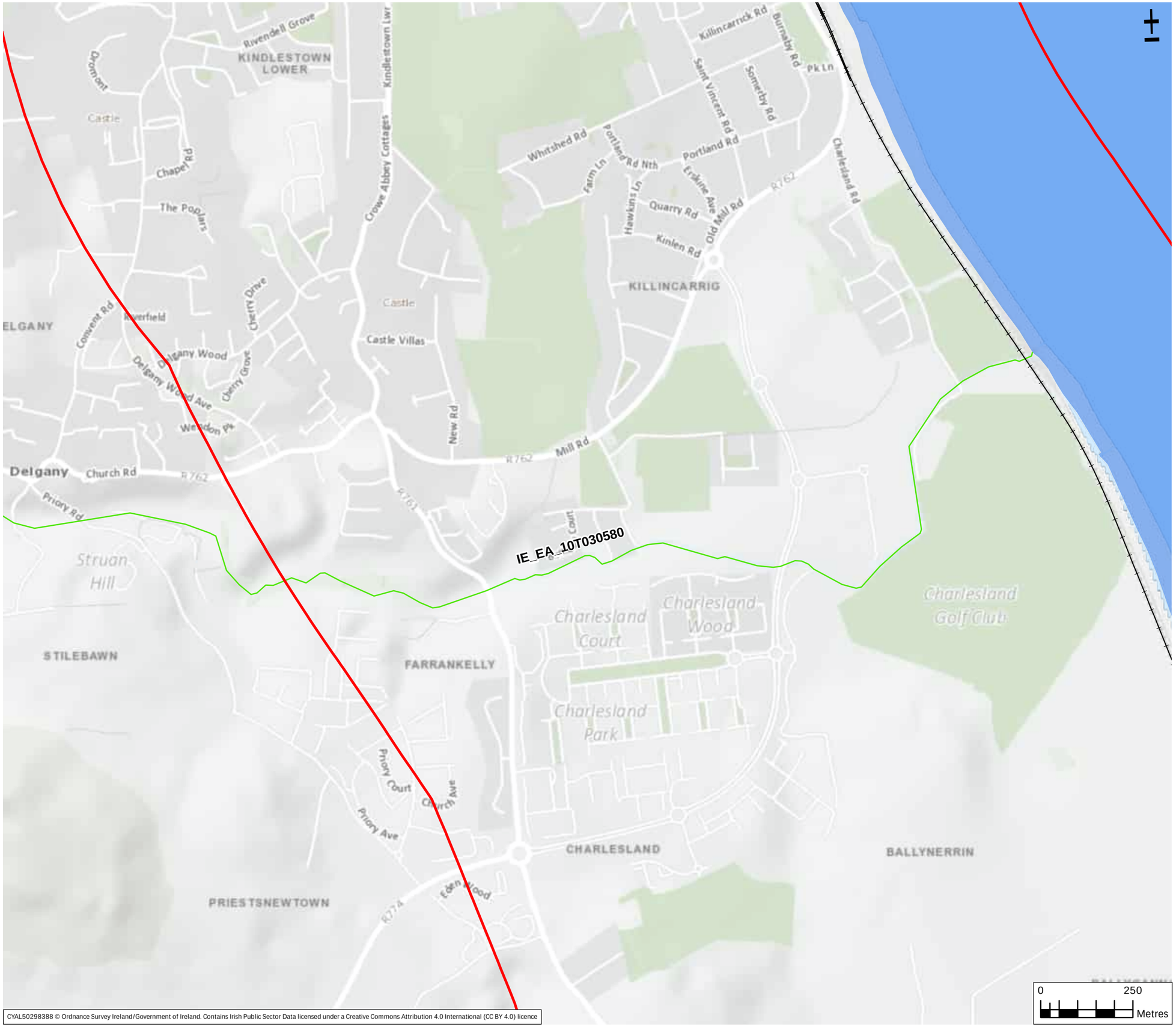

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FIGURE 4.5

Legend

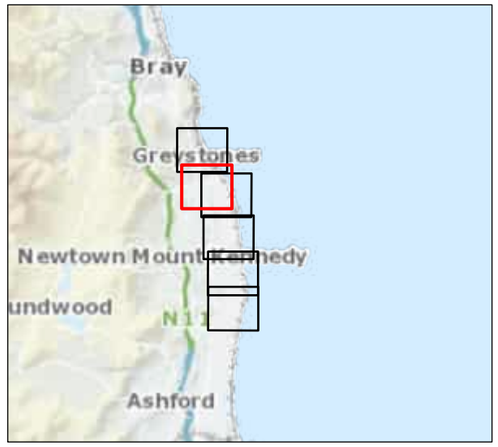
- CCA6.1 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Good

Water Framework Directive Status - Coastal

- High



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Drawing Title

Figure 4.5
CCA6.1- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 2 of 6)

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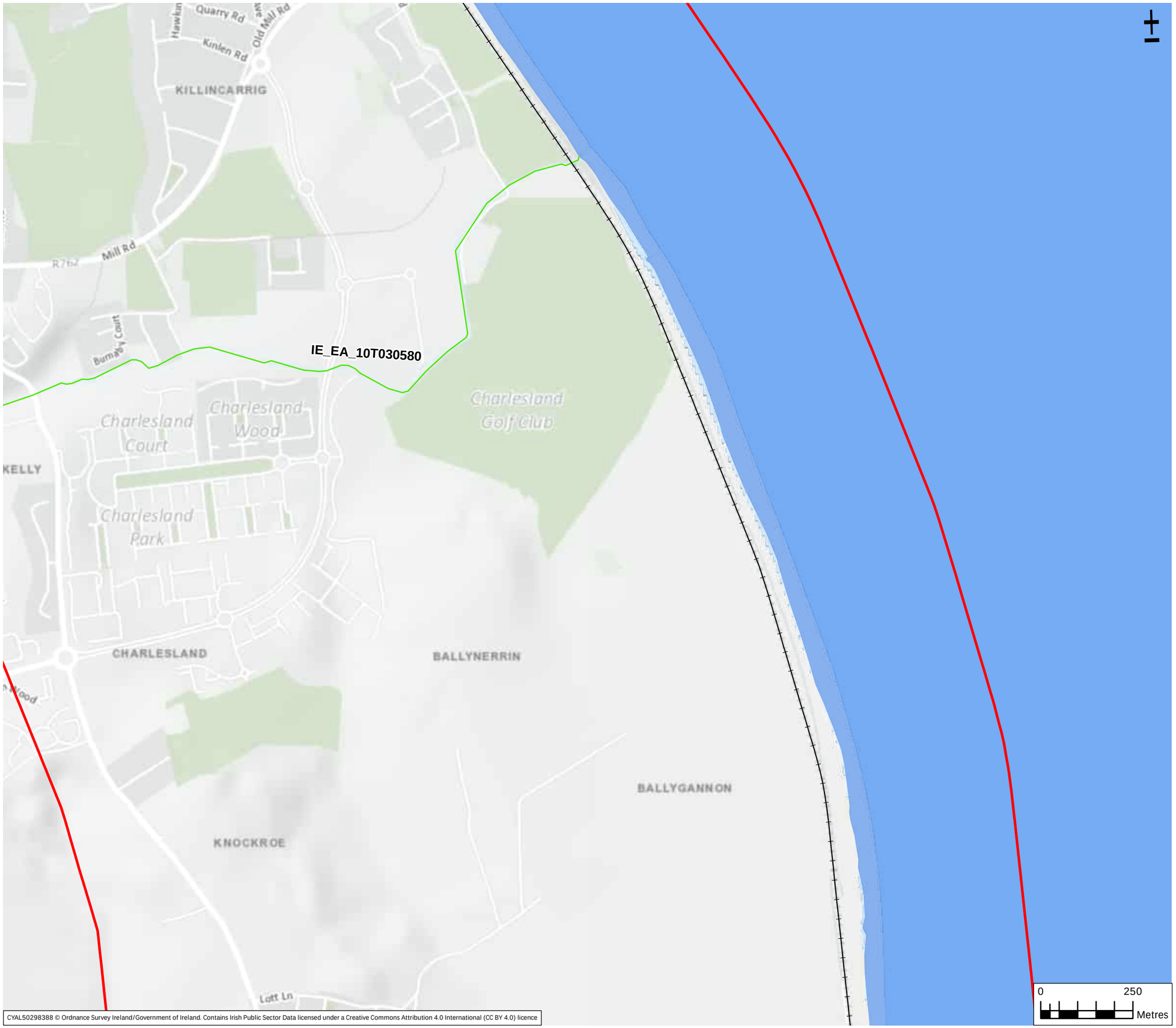

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FIGURE 4.5

Legend

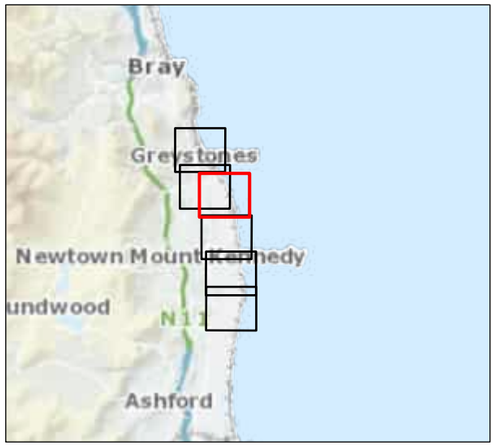
- CCA6.1 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Good

Water Framework Directive Status - Coastal

- High



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Drawing Title

Figure 4.5
CCA6.1- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 3 of 6)

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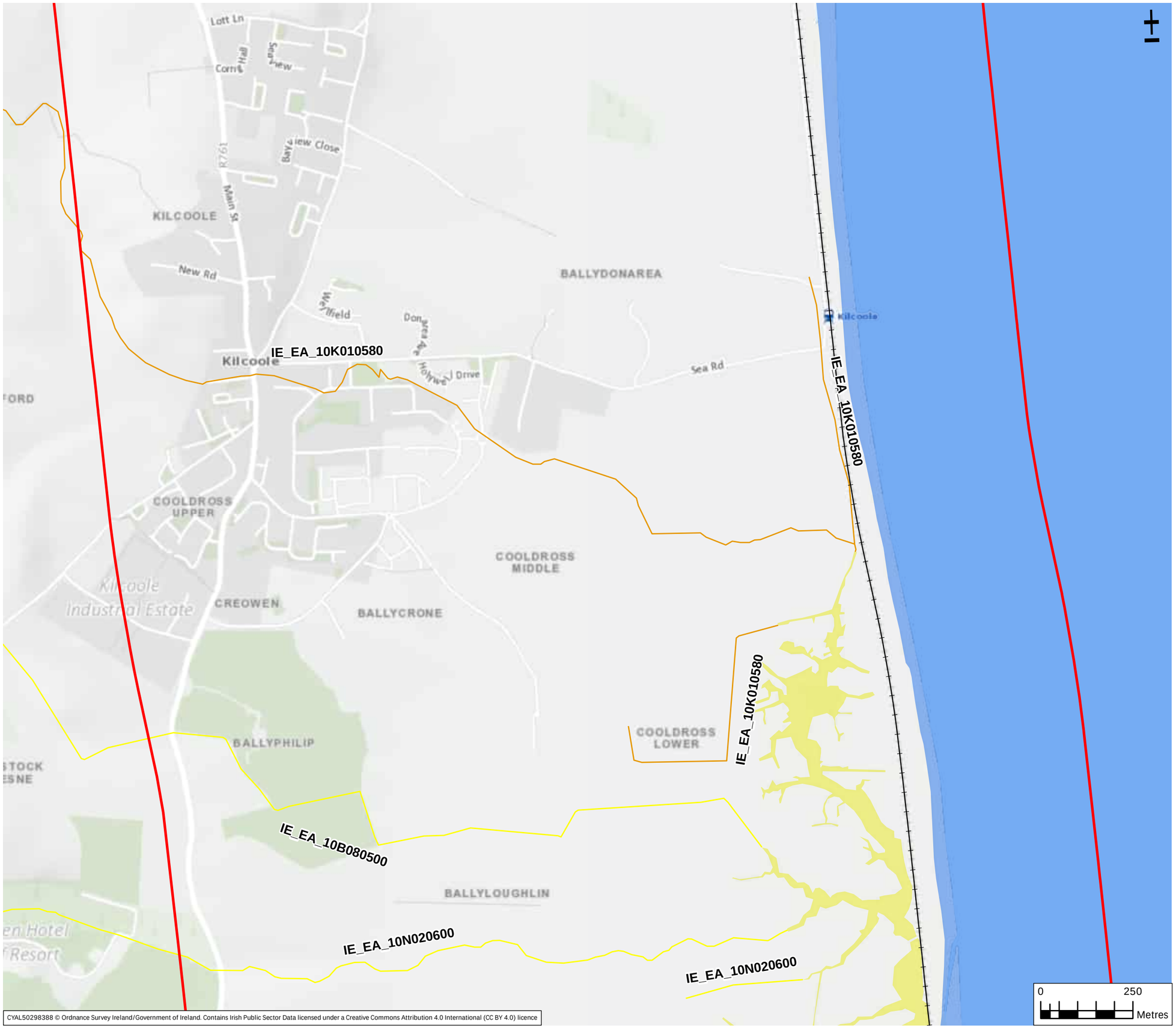

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FIGURE 4.5

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

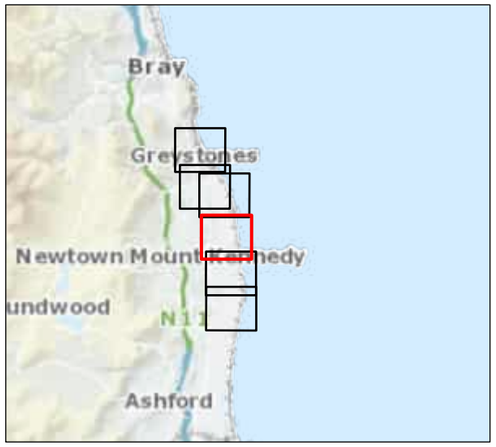

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Figure 4.5
CCA6.1- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 4 of 6)

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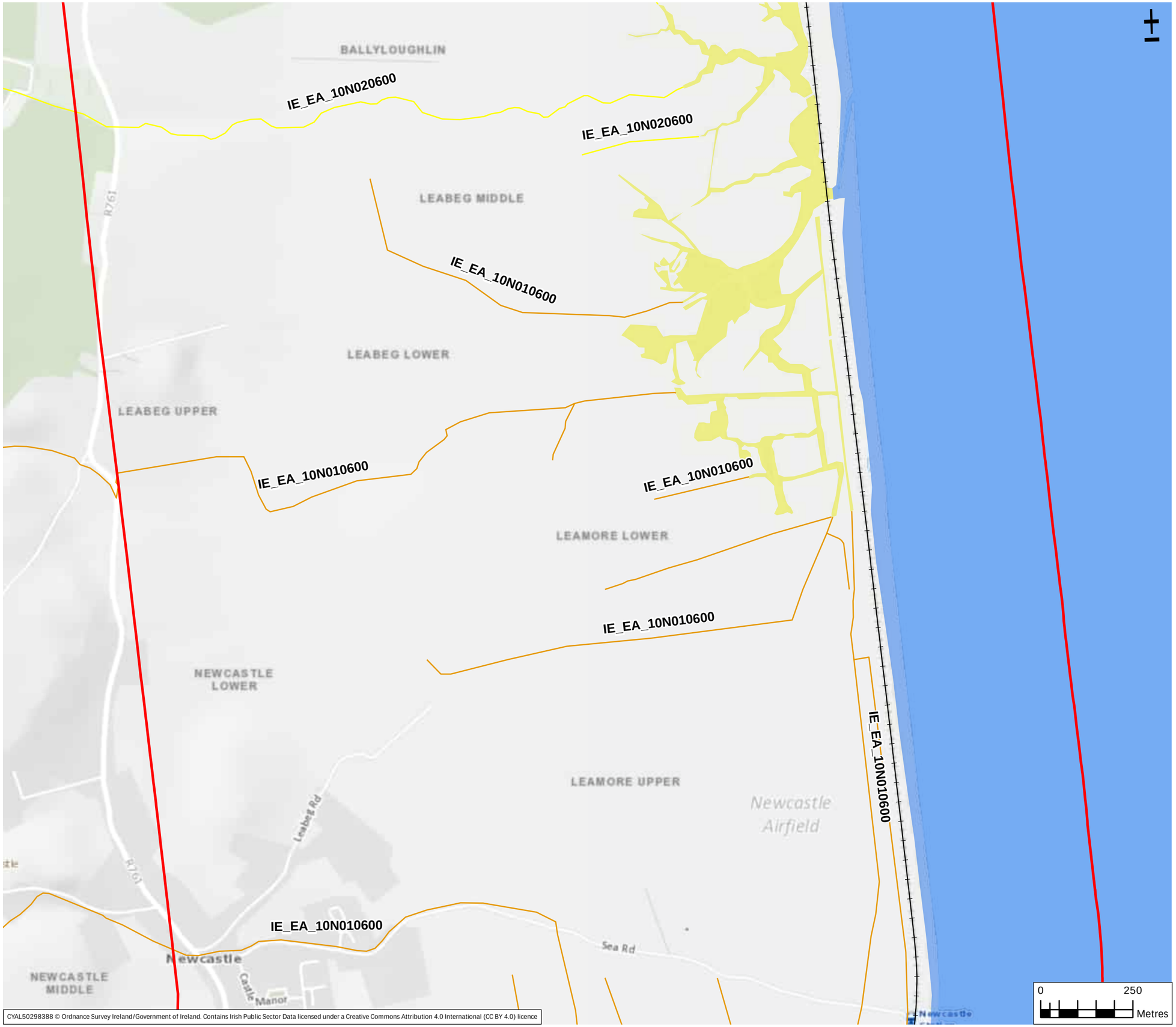

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FIGURE 4.5

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

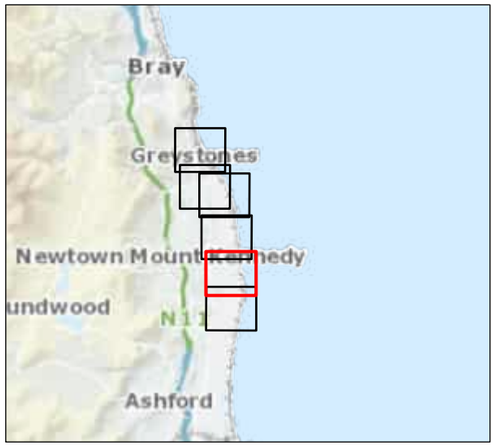
- Moderate
- Poor

Water Framework Directive Status - Coastal

- High

Water Framework Directive Status - Transitional

- Moderate



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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 4.5
CCA6.1- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 5 of 6)

Drawing Status: ISSUE FOR ACCEPTANCE

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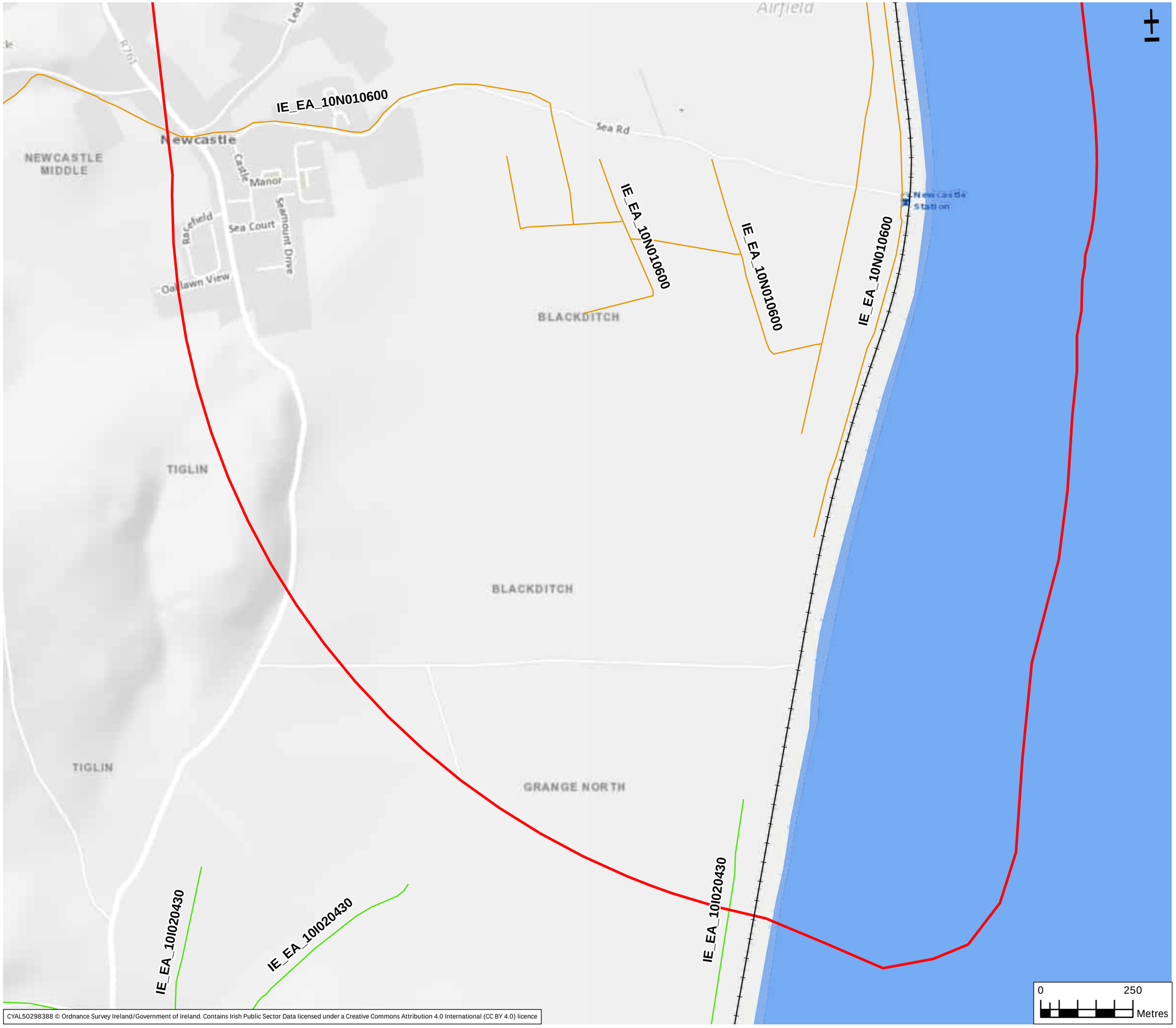

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FIGURE 4.5

Legend

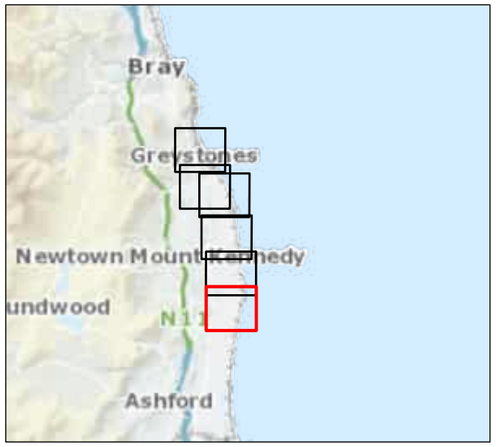
- CCA6.1 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Good
- Poor

Water Framework Directive Status - Coastal

- High



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Drawing Title

Figure 4.5
CCA6.1- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 6 of 6)

Drawing Status: ISSUE FOR ACCEPTANCE

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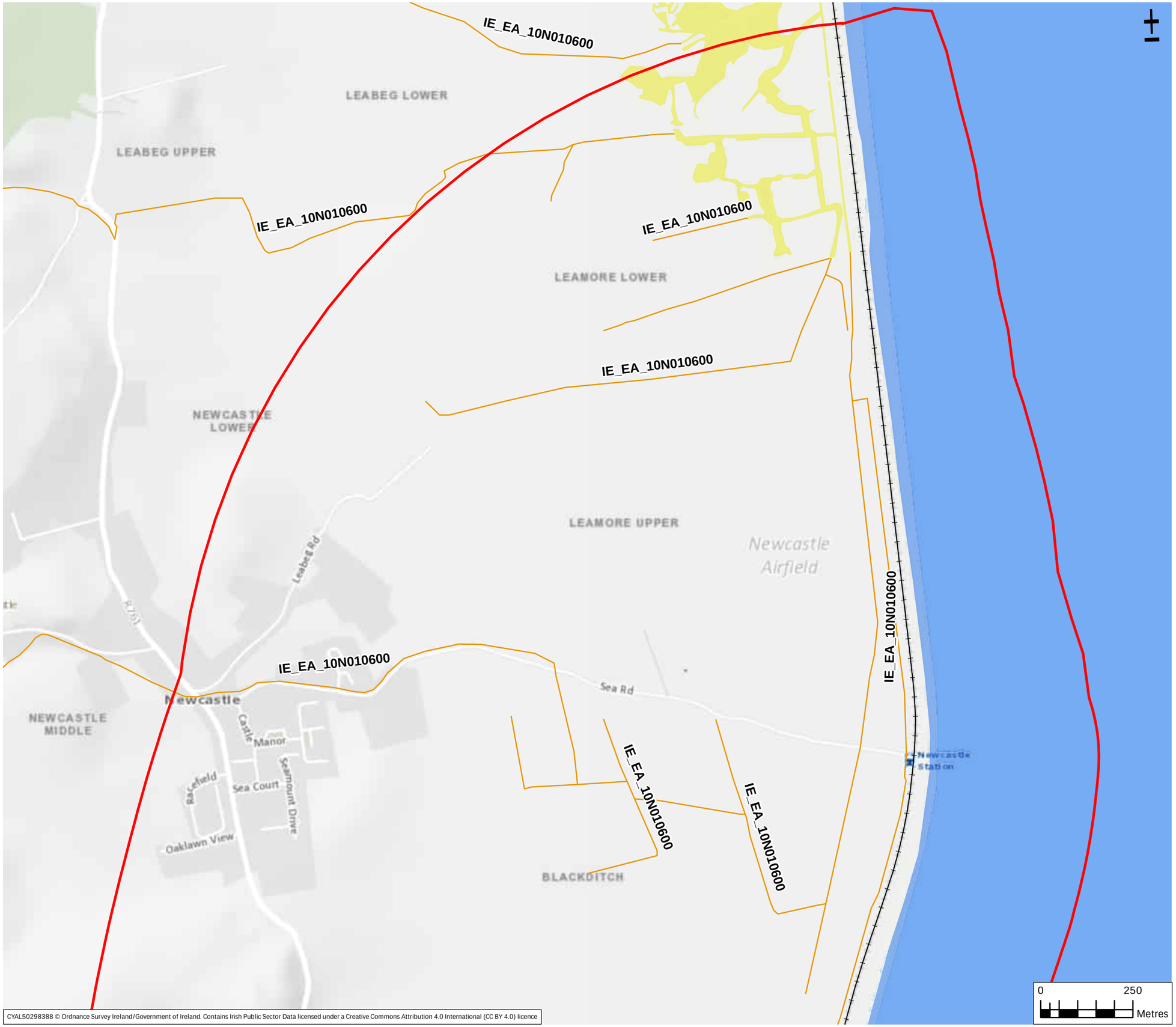

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FIGURE 4.5

Legend

- CCA6.2 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

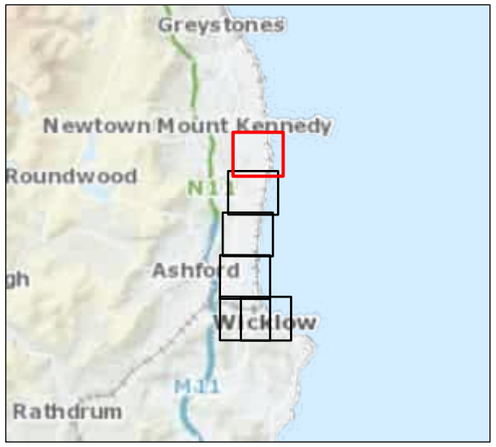
- Poor

Water Framework Directive Status - Coastal

- High

Water Framework Directive Status - Transitional

- Moderate



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Drawing Title

Figure 4.5
CCA6.2- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 1 of 6)

Drawing Status: ISSUE FOR ACCEPTANCE

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Client No.	8093		
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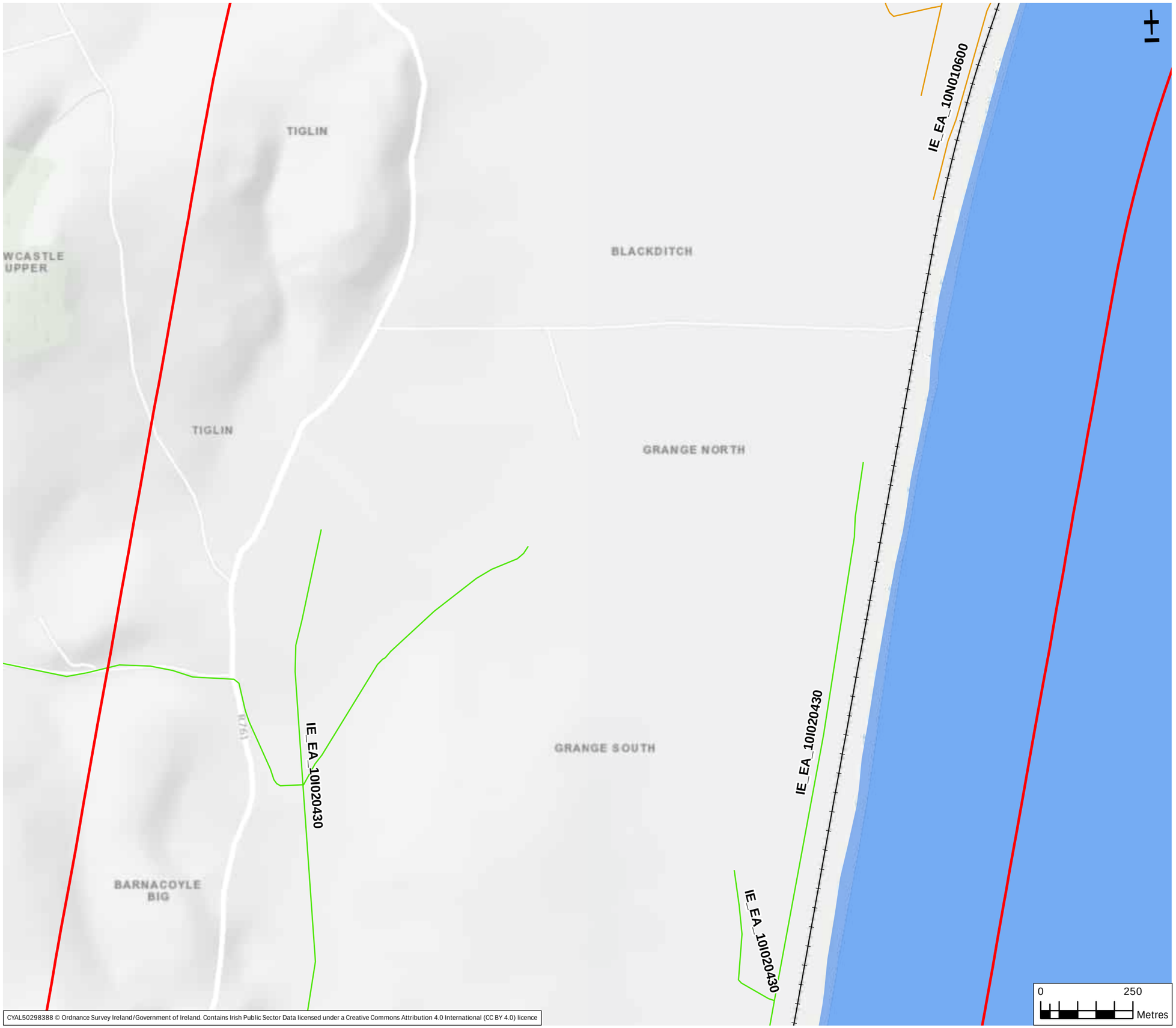

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FIGURE 4.5

Legend

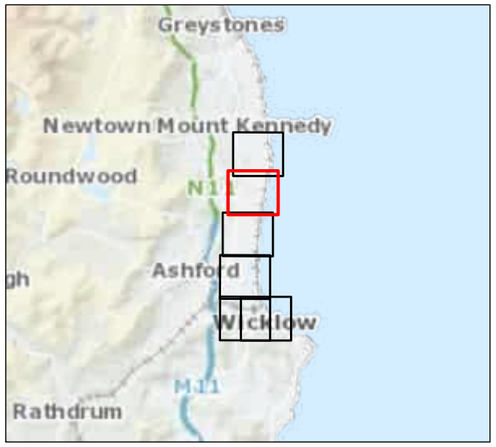
- CCA6.2 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Good
- Poor

Water Framework Directive Status - Coastal

- High



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Drawing Title

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

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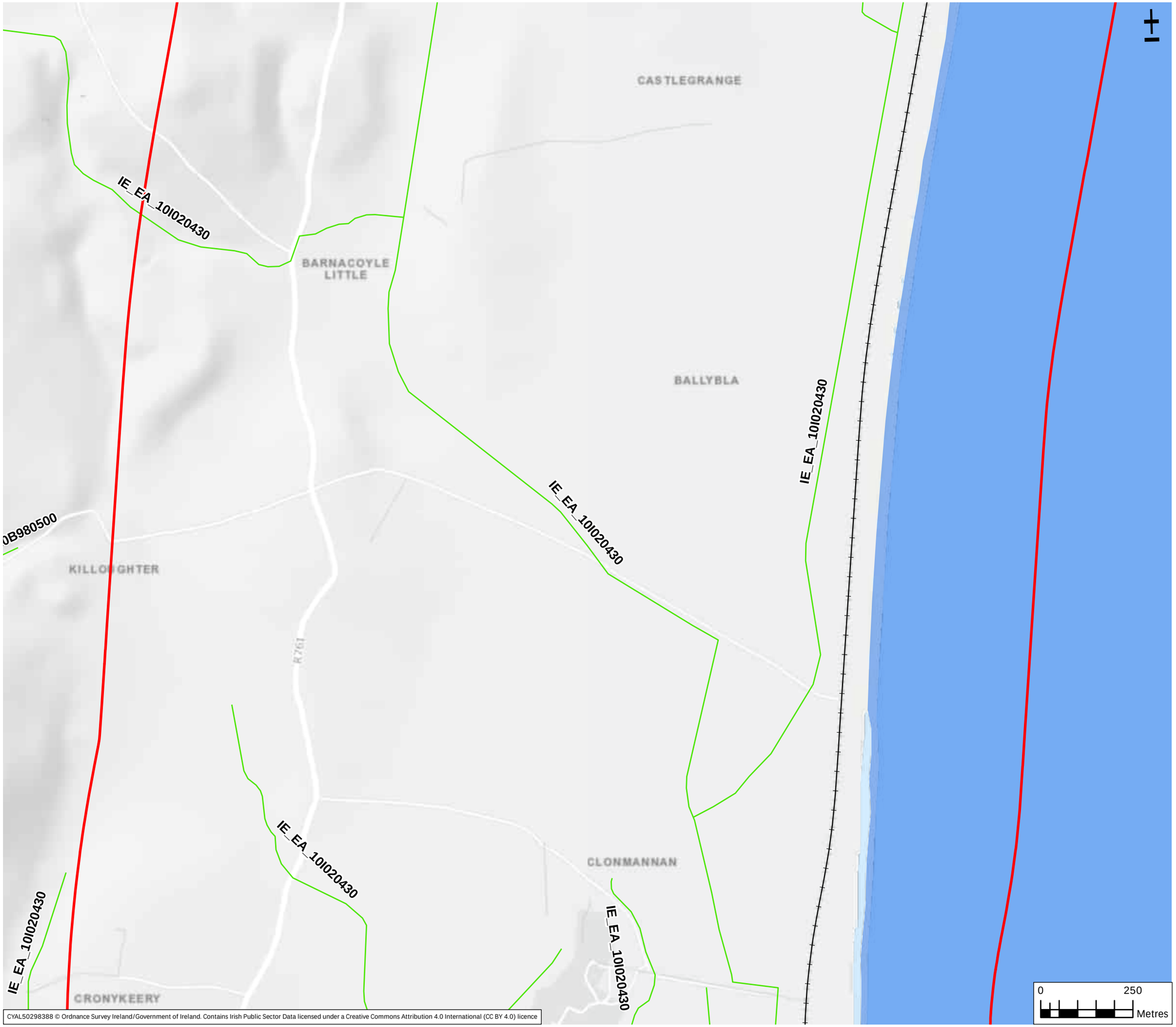

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FIGURE 4.5

Legend

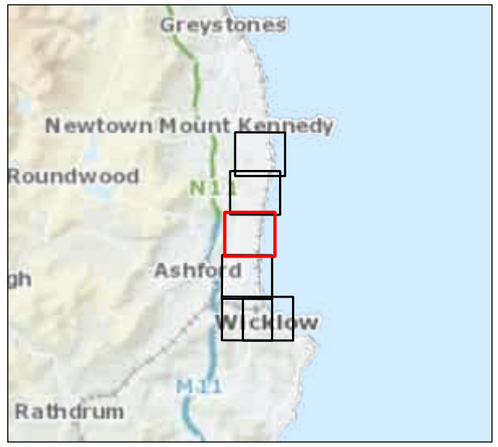
- CCA6.2 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

- Good

Water Framework Directive Status - Coastal

- High



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Drawing Title

Figure 4.5
CCA6.2- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 3 of 6)

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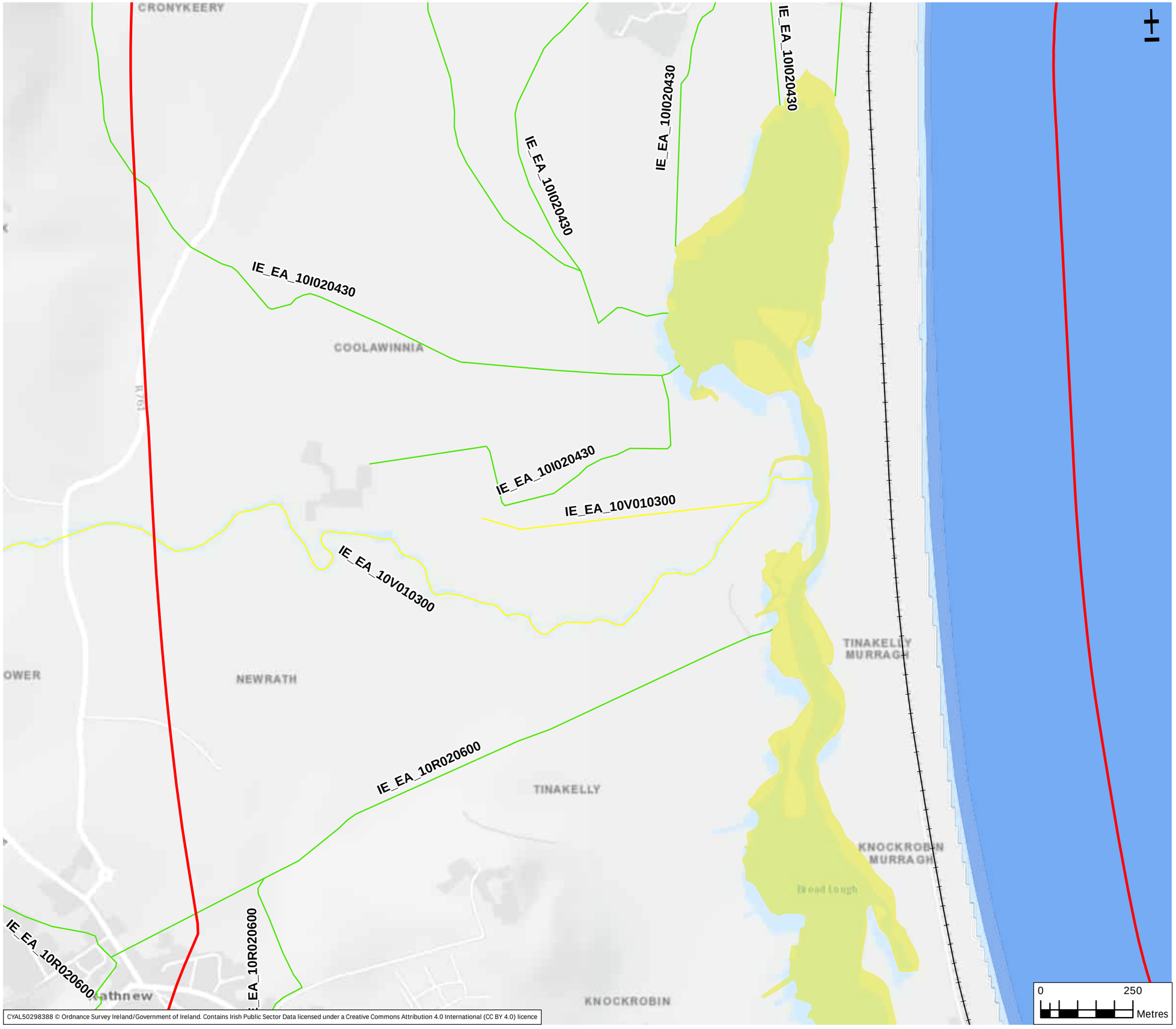

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FIGURE 4.5

Legend

- CCA6.2 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

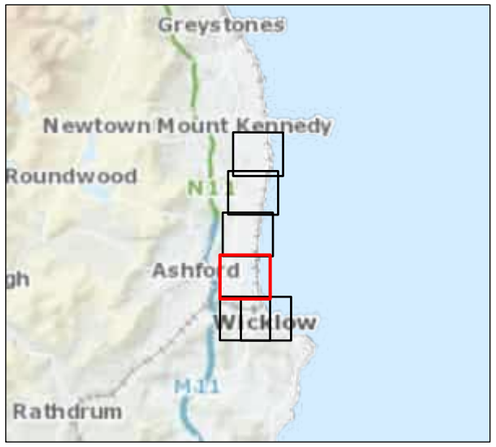
- Good
- Moderate

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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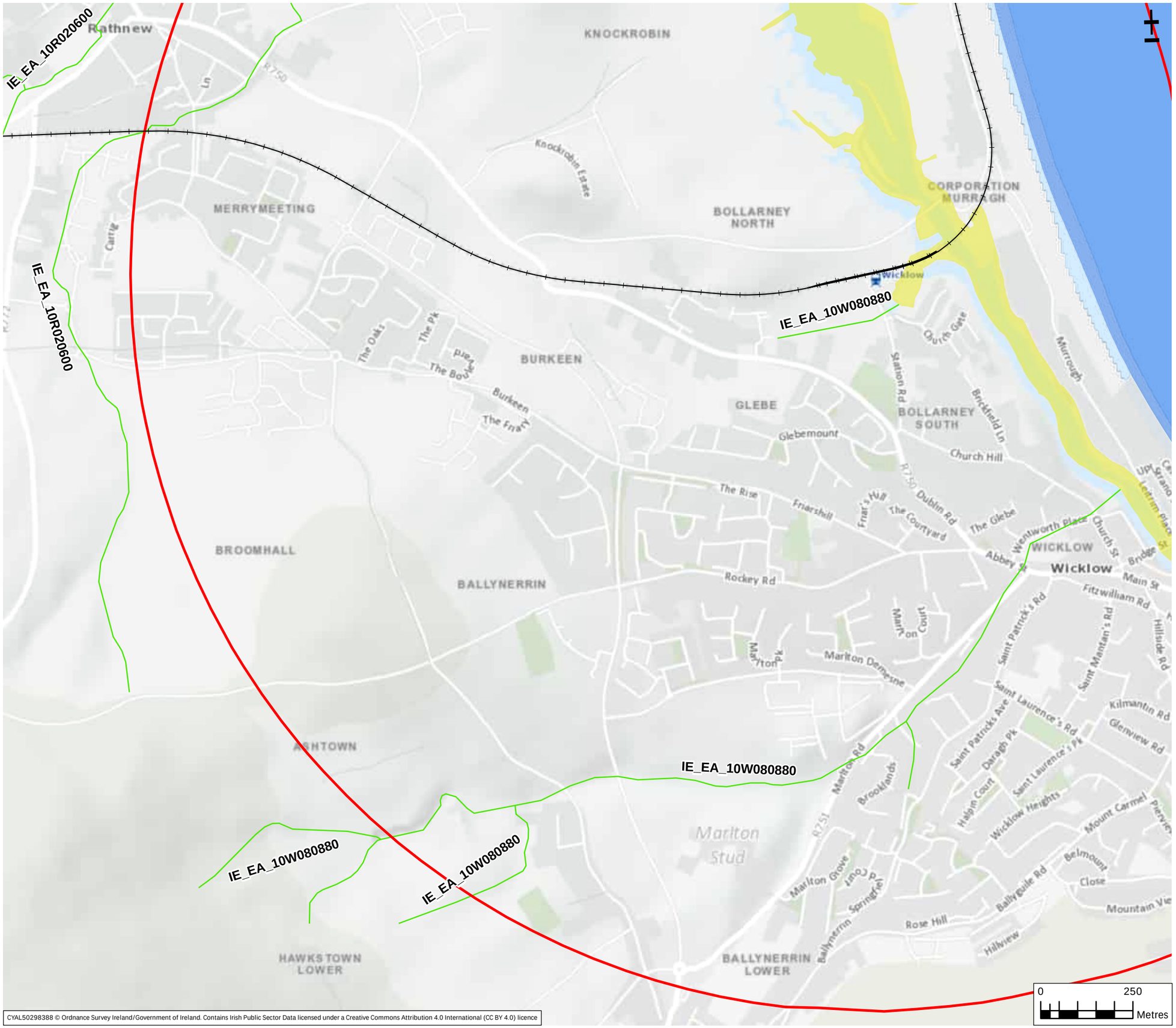

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FIGURE 4.5

Legend

- CCA6.2 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

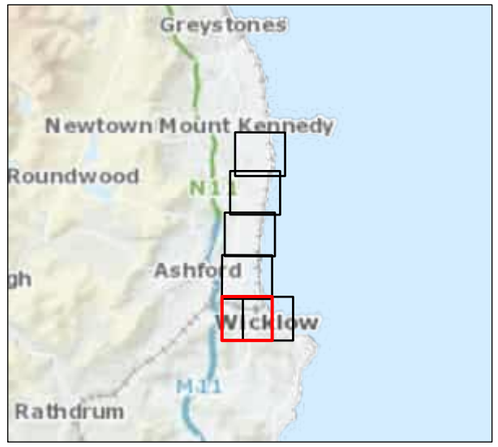
- Good

Water Framework Directive Status - Coastal

- High

Water Framework Directive Status - Transitional

- Moderate



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Drawing Title

Figure 4.5
CCA6.2- Environmental Constraints - Water Framework Directive Waterbody Status
(Page 5 of 6)

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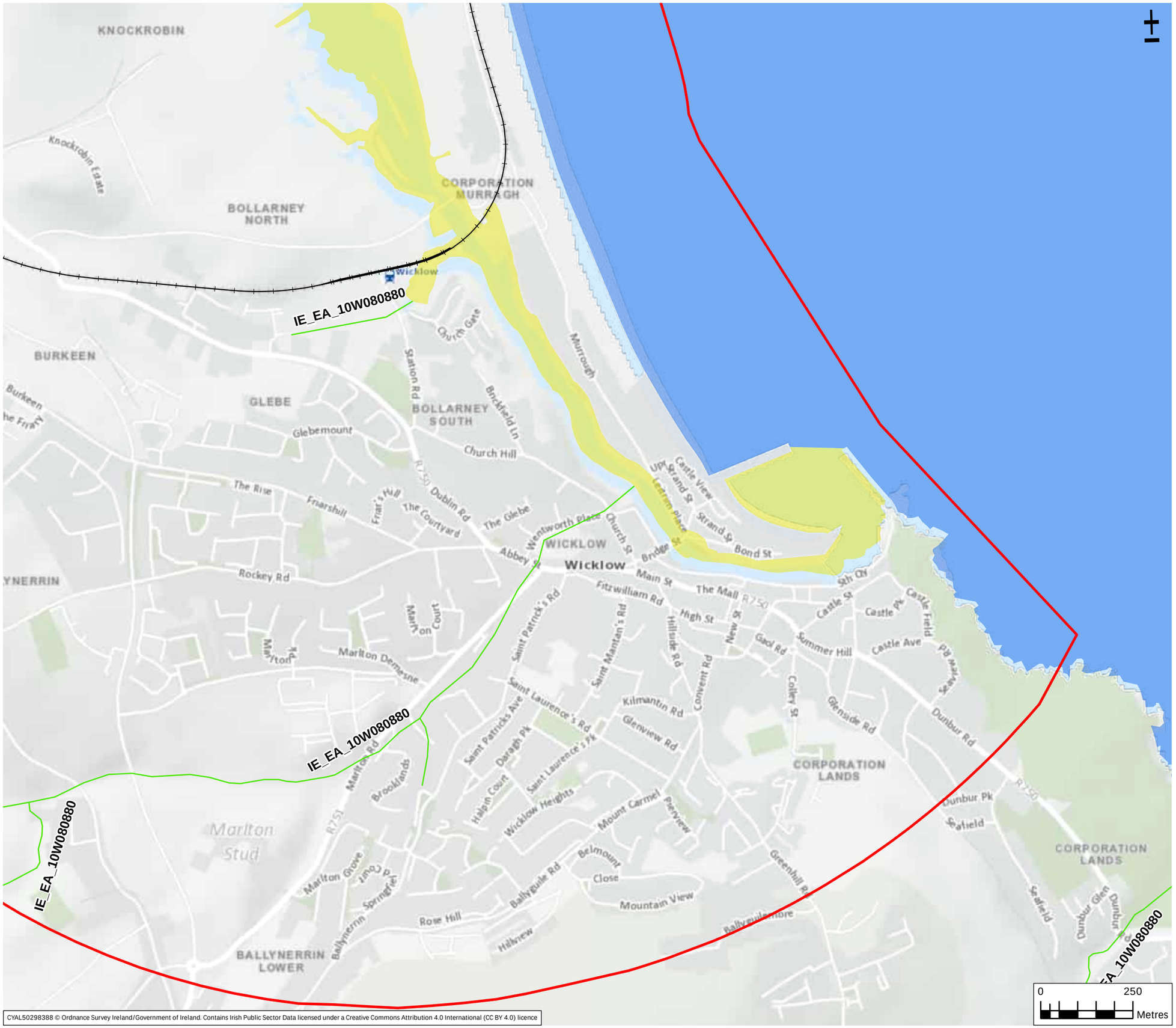

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FIGURE 4.5

Legend

- CCA6.2 Study Area
- Railway Network Centreline

Water Framework Directive Status - Rivers

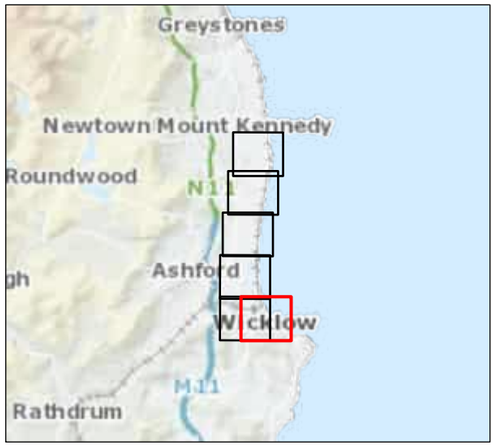
- Good

Water Framework Directive Status - Coastal

- High

Water Framework Directive Status - Transitional

- Moderate



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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

Drawing Status

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State Code	Phase 2		
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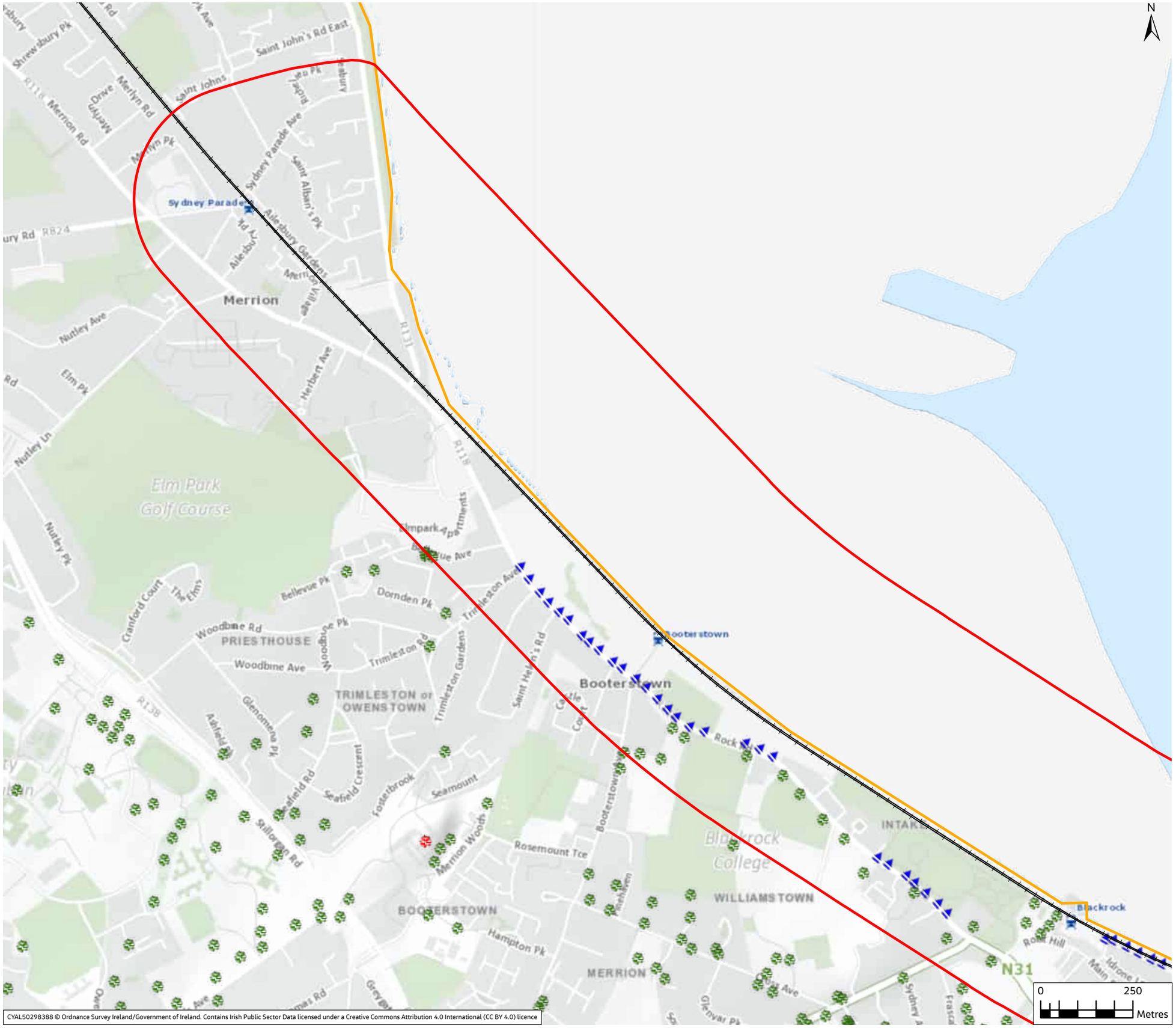

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FIGURE 5.1

Legend

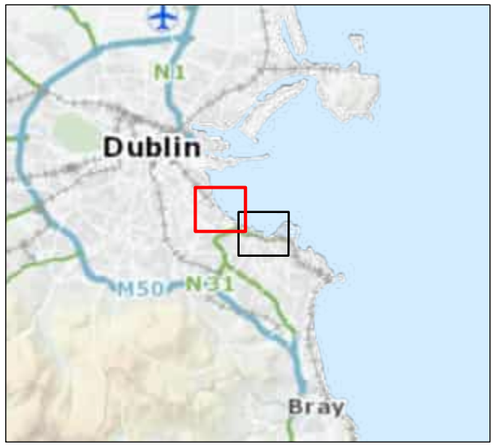
- CCA1 - Merrion Gates to Dun Laoghaire
- Railway Network Centreline
- Tree Preservation Orders
- To protect and preserve Trees And Woodlands

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)

Drawing Status	ISSUE FOR ACCEPTANCE		
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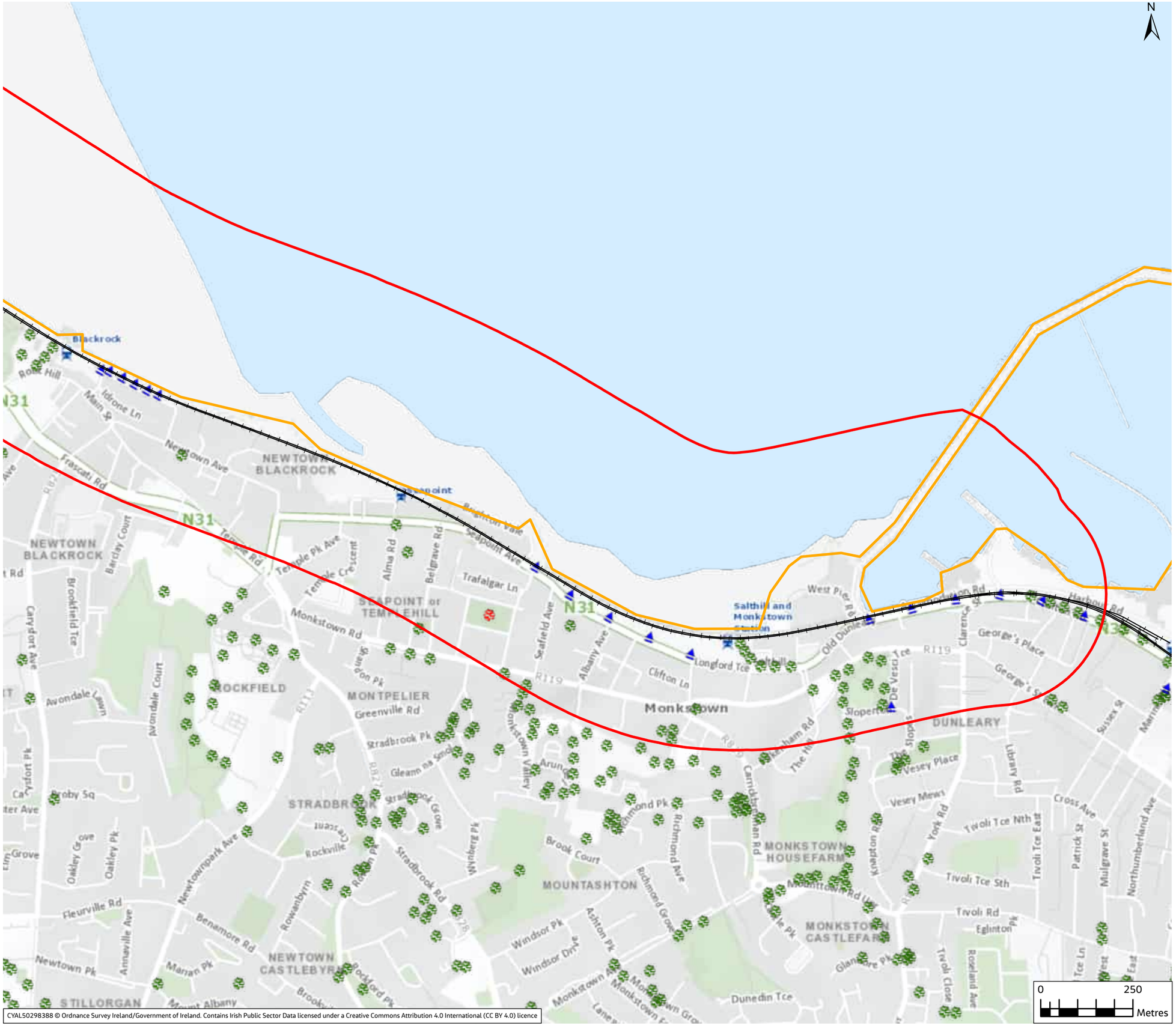

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FIGURE 5.1

Legend

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- 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 2 of 2)

Drawing Status	ISSUE FOR ACCEPTANCE		
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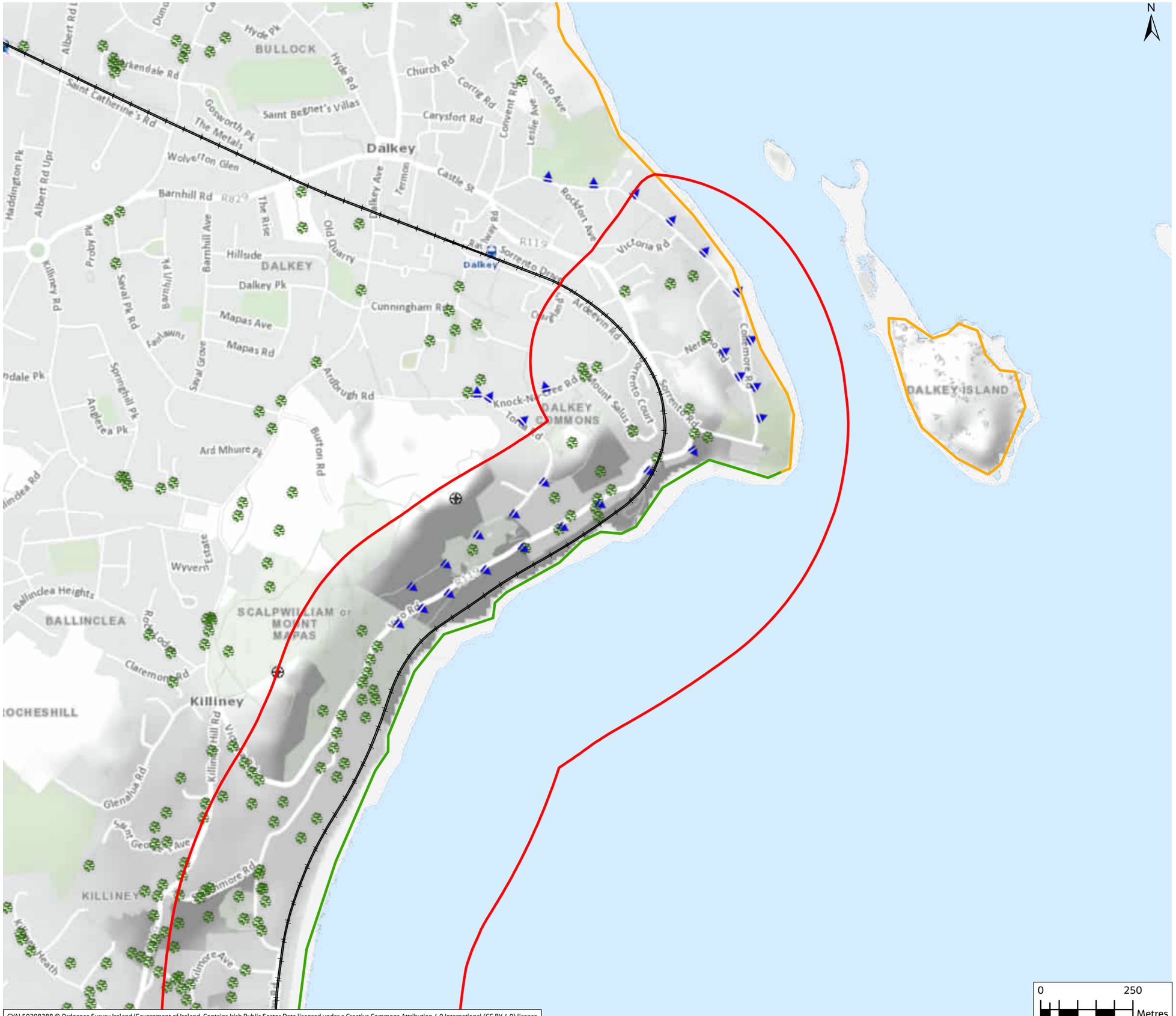
FIGURE 5.1



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Legend

- CCA2-3 Study Area
- Railway Network Centreline
- To protect and preserve Trees And Woodlands

Views and Prospects

- To preserve Prospects
- To preserve Views

Seascape Coastal Type

- Broad estuarine bays and complex low plateau and cliff coastline
- Modified Historic Urban Bay

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

Client

Iarnród Éireann Infrastructure

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www.jacobs.com

Project

7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 5.1
CCA2-3- Environmental Constraints - Landscape & Visual
(Page 1 of 2)

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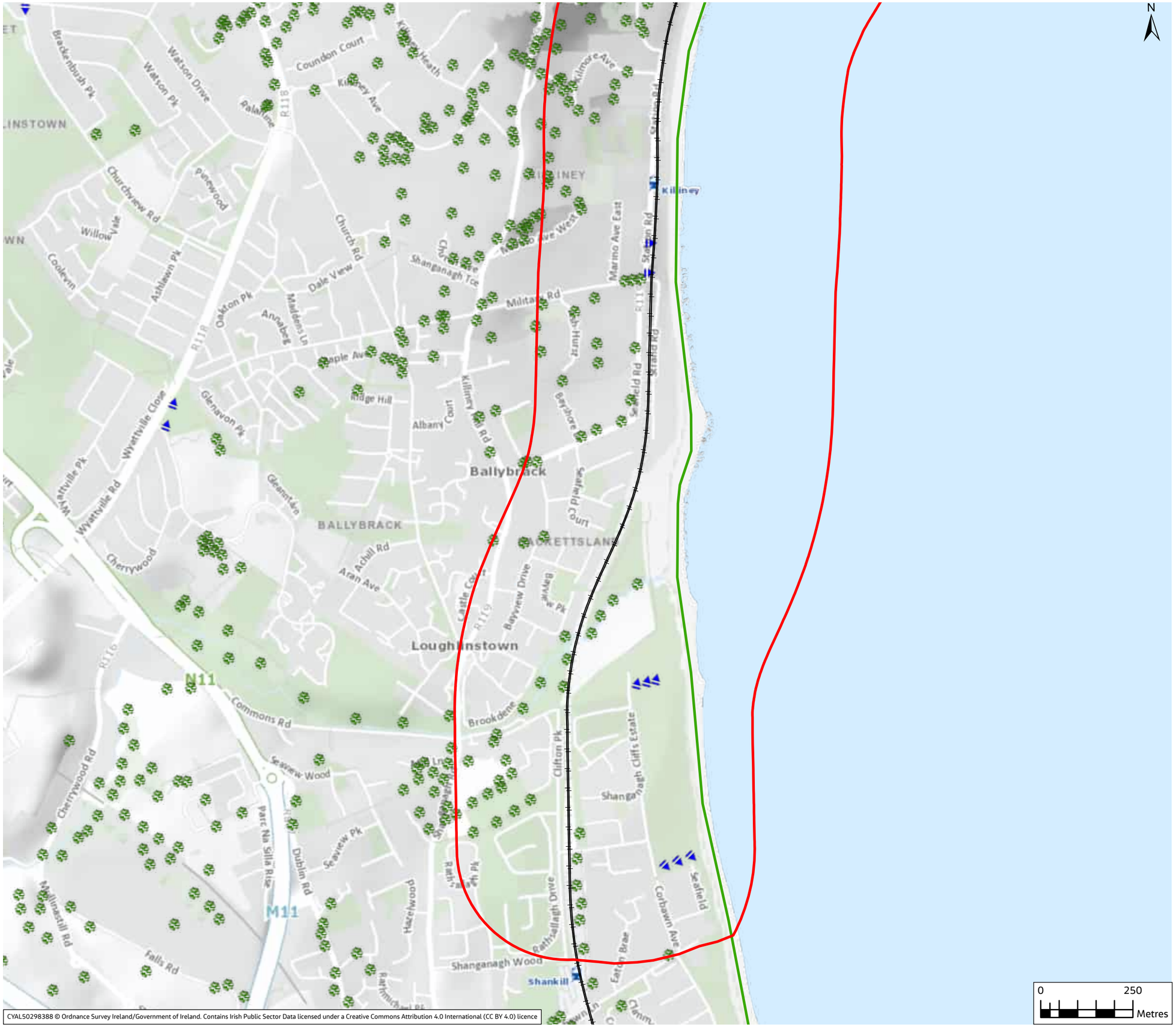

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FIGURE 5.1

Legend

- CCA2-3 Study Area
- Railway Network Centreline
- To protect and preserve Trees And Woodlands

Views and Prospects

- To preserve Views

Seascape Coastal Type

- Broad estuarine bays and complex low plateau and cliff coastline

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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 5.1
CCA2-3- Environmental Constraints - Landscape & Visual
(Page 2 of 2)

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Client No.	8093		
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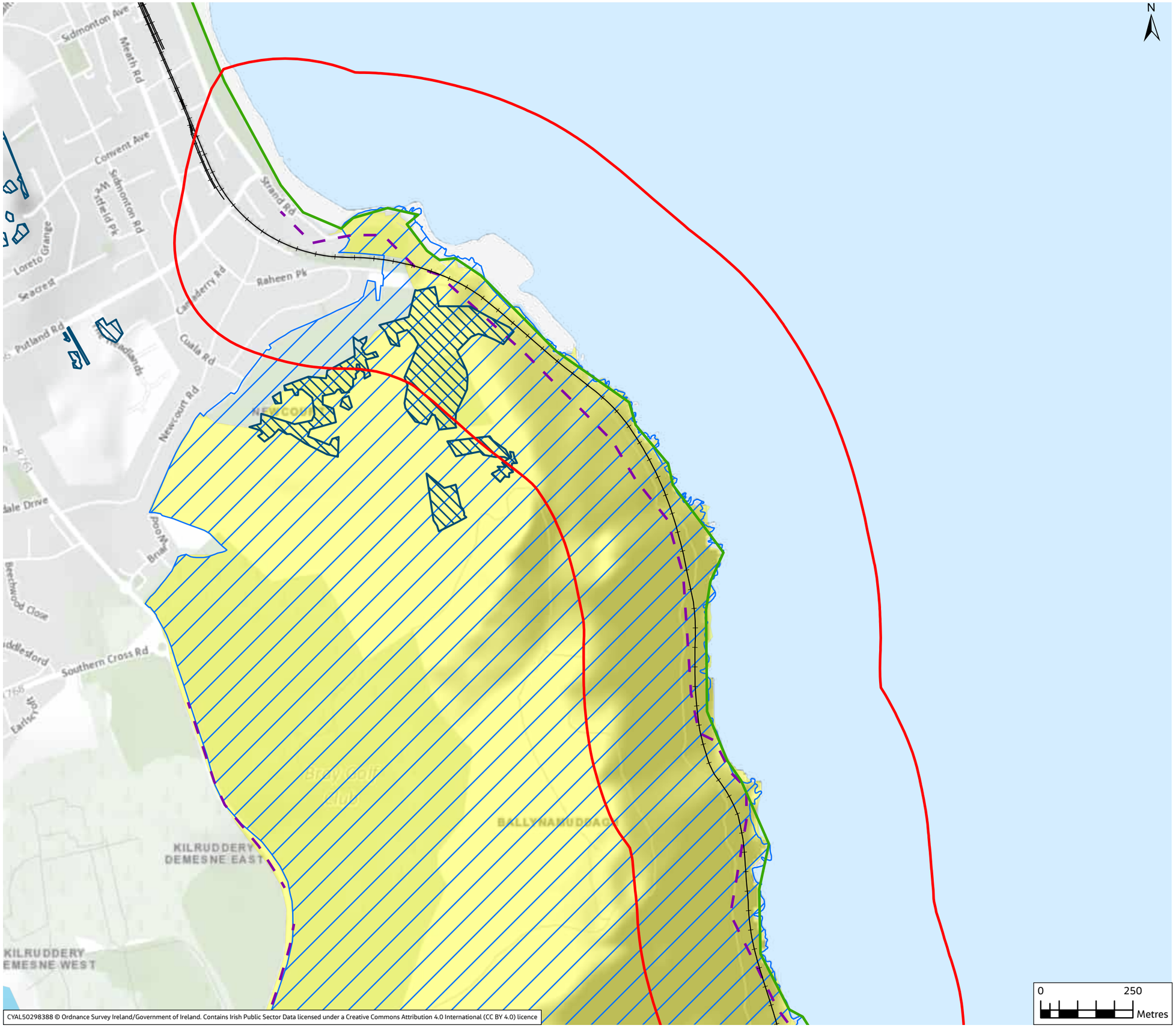

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FIGURE 5.1

Legend

- CCA5 Study Area
- Railway Network Centreline
- Special Amenity Area Order (SAAO)
- Tree Preservation Orders

Views & Prospects

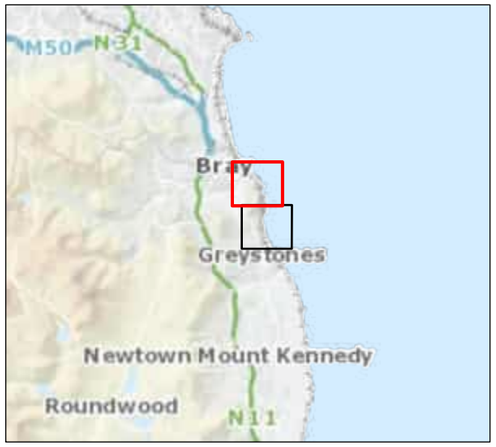
- Prospects

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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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 5.1
CCA5- Environmental Constraints - Landscape & Visual
(Page 1 of 2)

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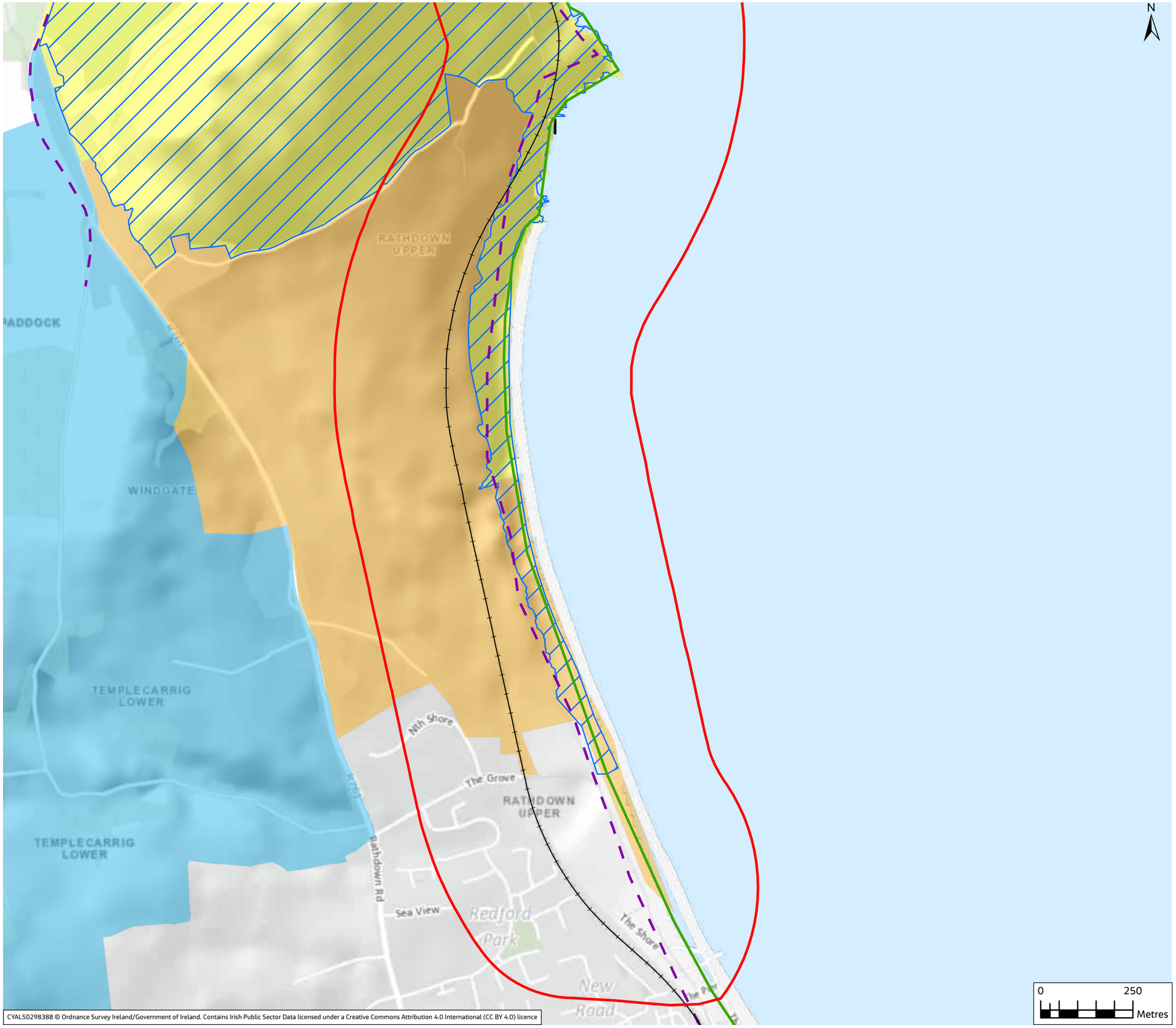

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FIGURE 5.1

Legend

- CCA5 Study Area
- Railway Network Centreline
- Special Amenity Area Order (SAAO)

Views & Prospects

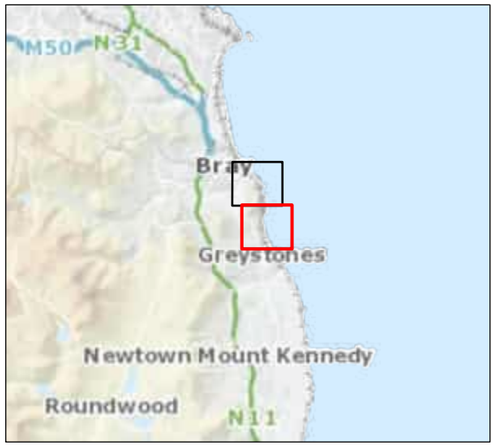
- Prospects

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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Drawing Title

Figure 5.1
CCA5- Environmental Constraints - Landscape & Visual
(Page 2 of 2)

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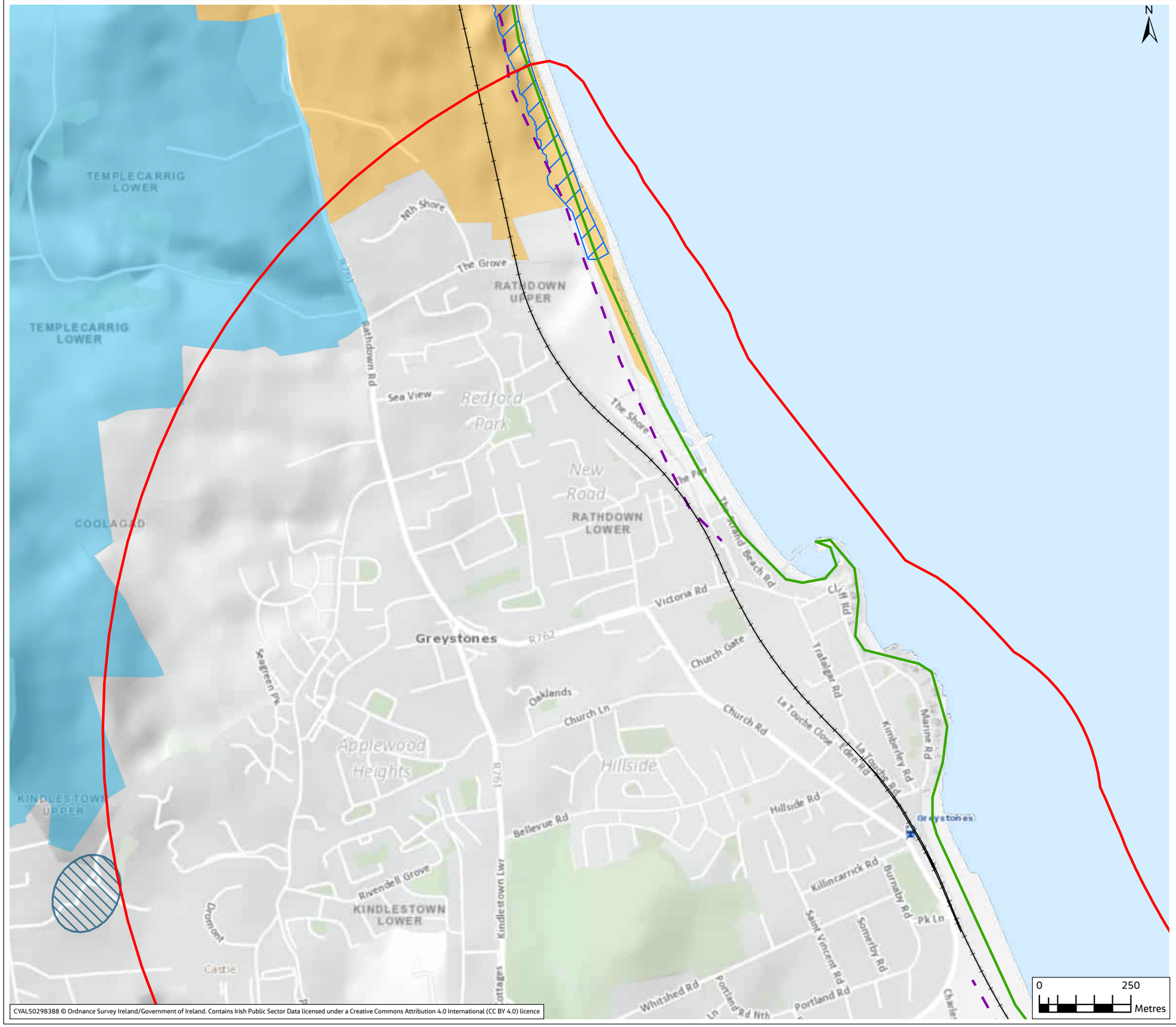
FIGURE 5.1



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Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Special Amenity Area Order (SAAO)
- Tree Preservation Orders

Views & Prospects

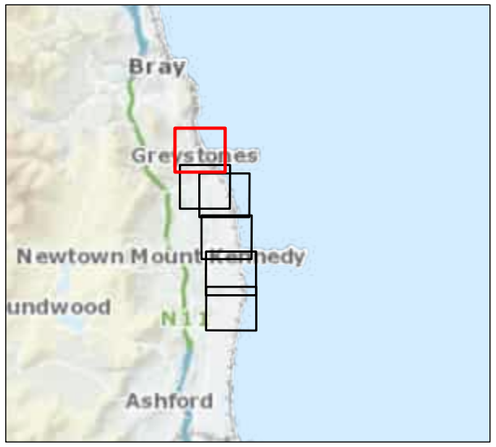
- Prospects

Seascape Coastal Type

- Broad estuarine bays and complex low plateau and cliff coastline

Landscape Character Areas

- Eastern Corridor
- Coastal Areas



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

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

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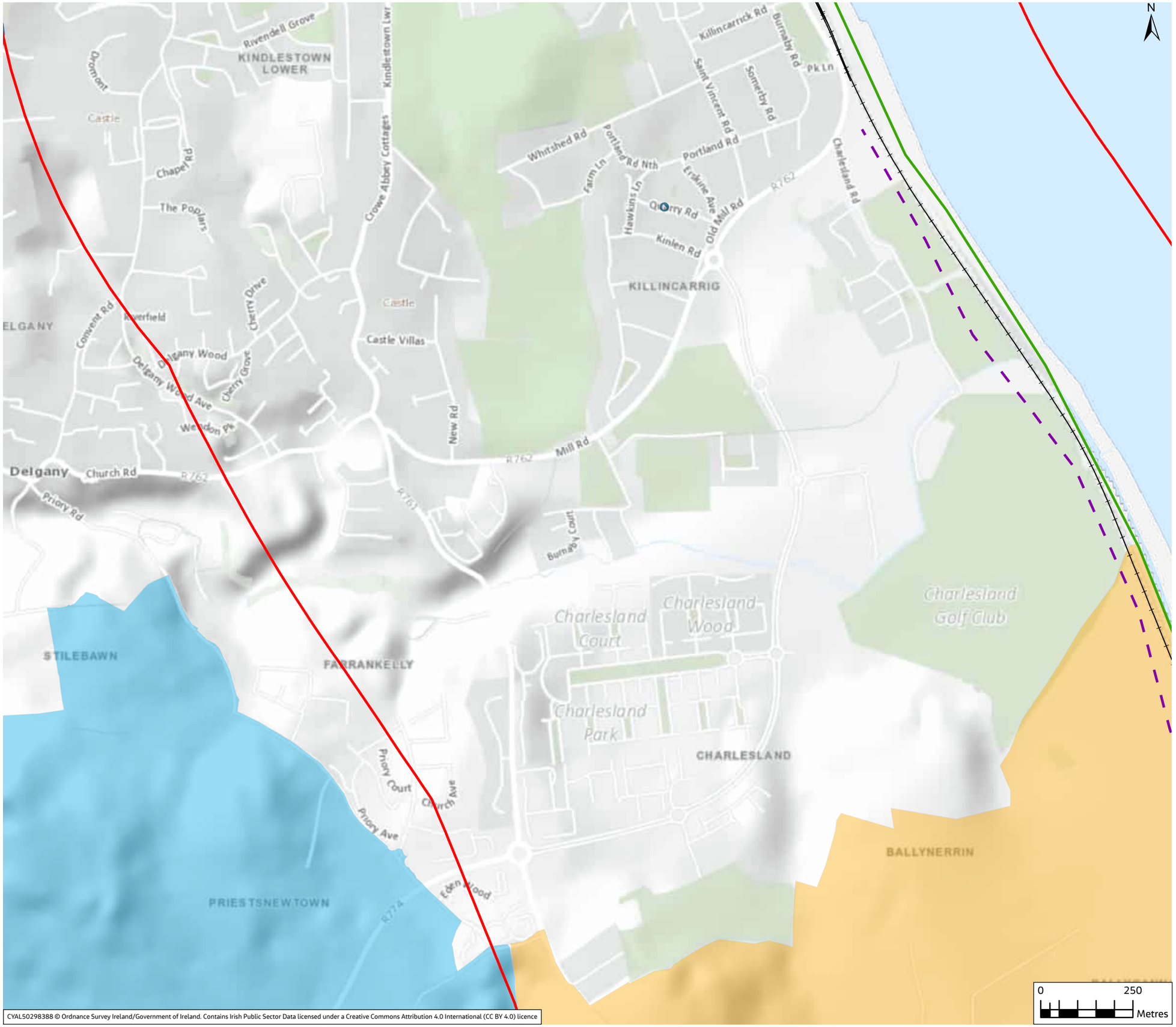

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FIGURE 5.1

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Tree Preservation Orders

Views & Prospects

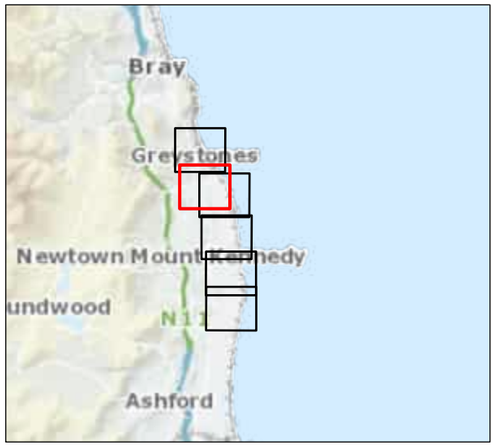
- Prospects

Seascape Coastal Type

- Broad estuarine bays and complex low plateau and cliff coastline

Landscape Character Areas

- Eastern Corridor
- Coastal Areas



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 5.1
CCA6.1- Environmental Constraints - Landscape & Visual
(Page 2 of 6)

Drawing Status	ISSUE FOR ACCEPTANCE		
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Jacobs No.	D3658301	Rev	V01
Client No.	8093		
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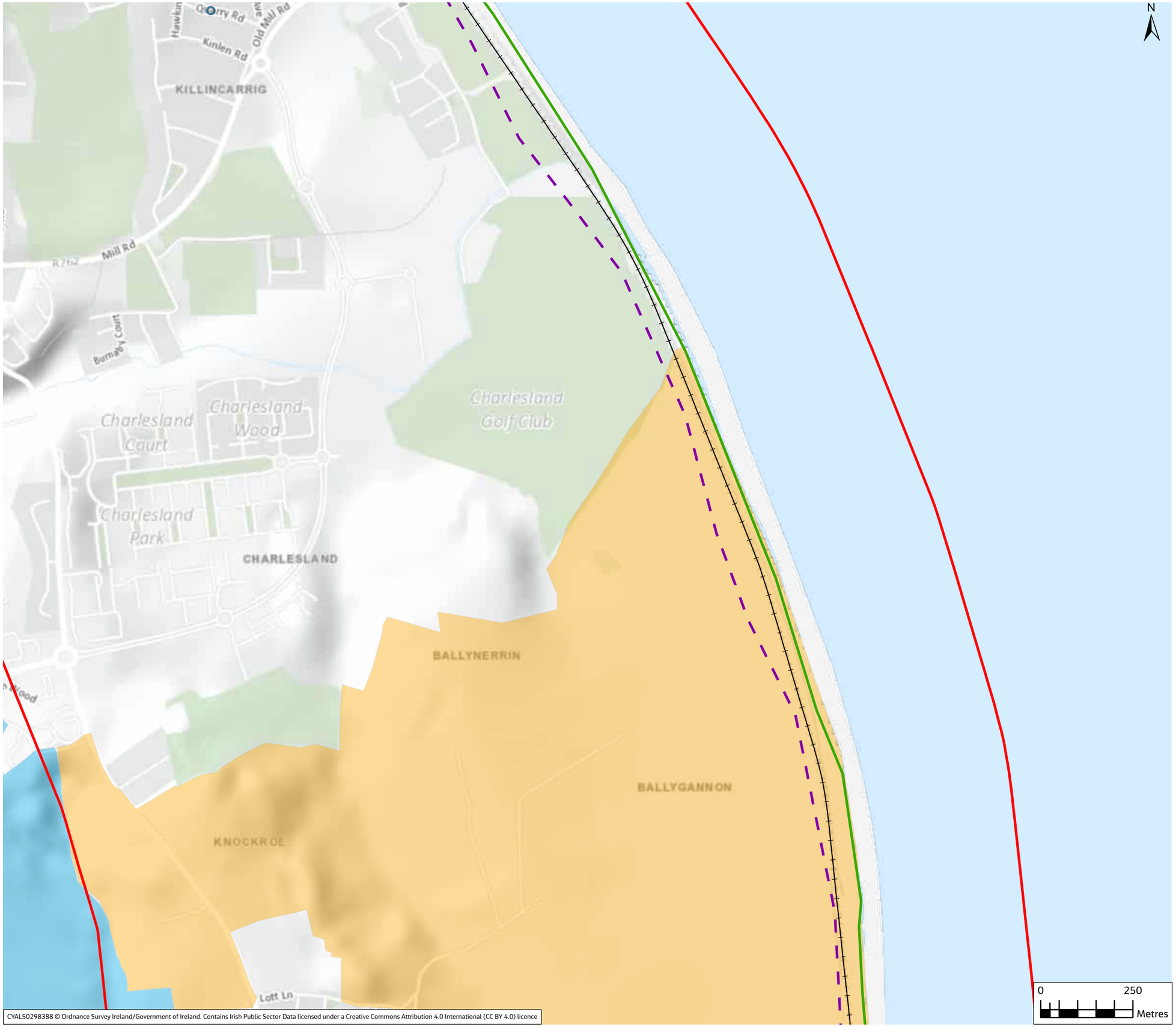

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FIGURE 5.1

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Tree Preservation Orders

Views & Prospects

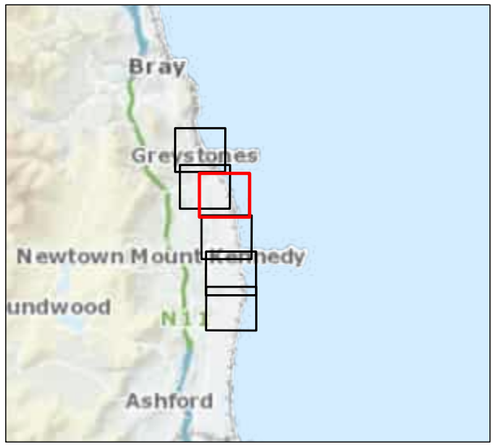
- Prospects

Seascape Coastal Type

- Broad estuarine bays and complex low plateau and cliff coastline

Landscape Character Areas

- Eastern Corridor
- Coastal Areas



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INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 5.1
CCA6.1- Environmental Constraints - Landscape & Visual
(Page 3 of 6)

Drawing Status	ISSUE FOR ACCEPTANCE		
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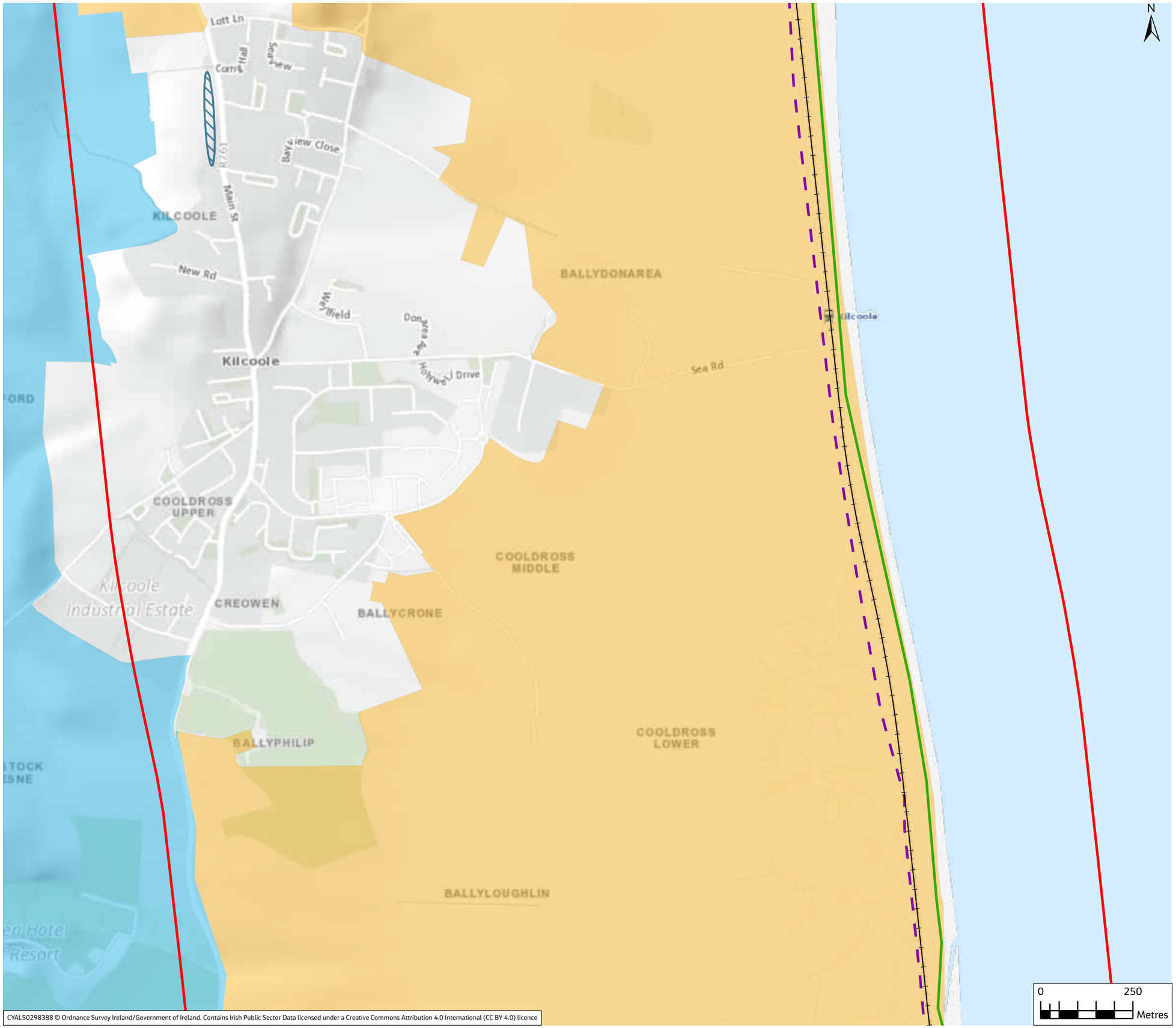

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FIGURE 5.1

Legend

- CCA6.1 Study Area
- Railway Network Centreline
- Tree Preservation Orders

Views & Prospects

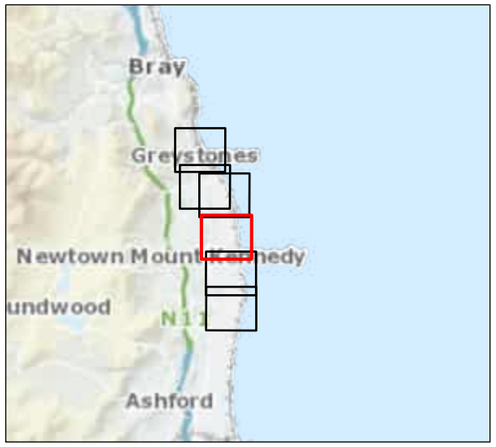
- Prospects

Seascape Coastal Type

- Broad estuarine bays and complex low plateau and cliff coastline

Landscape Character Areas

- Eastern Corridor
- Coastal Areas



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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		
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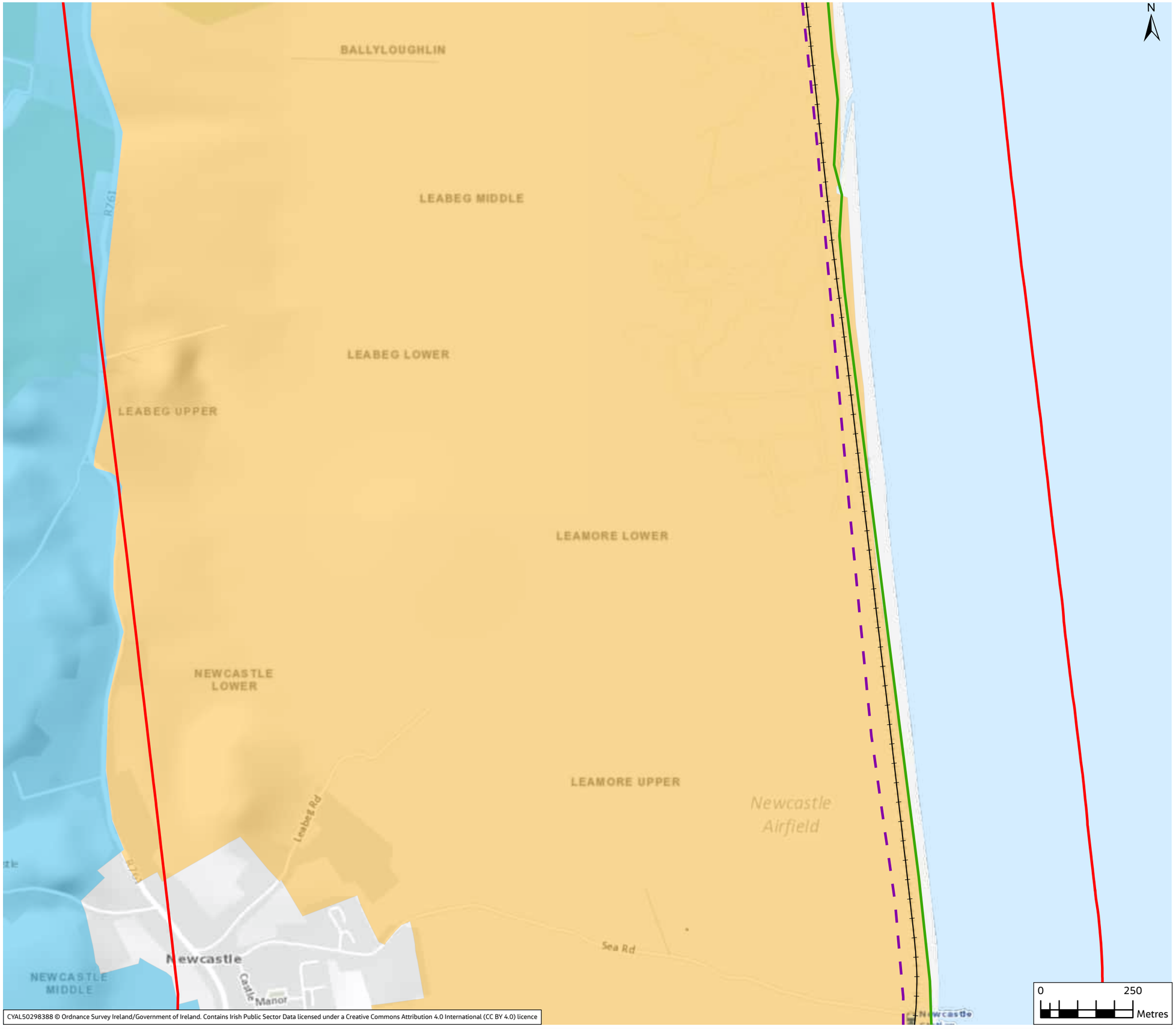

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FIGURE 5.1

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Views & Prospects

- Prospects

Seascape Coastal Type

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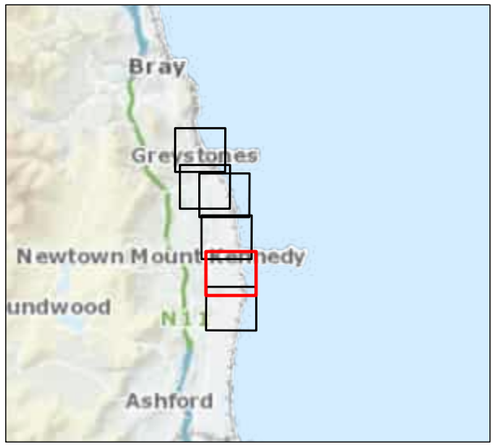
Landscape Character Areas

- Eastern Corridor
- Coastal Areas



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Drawing Title

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

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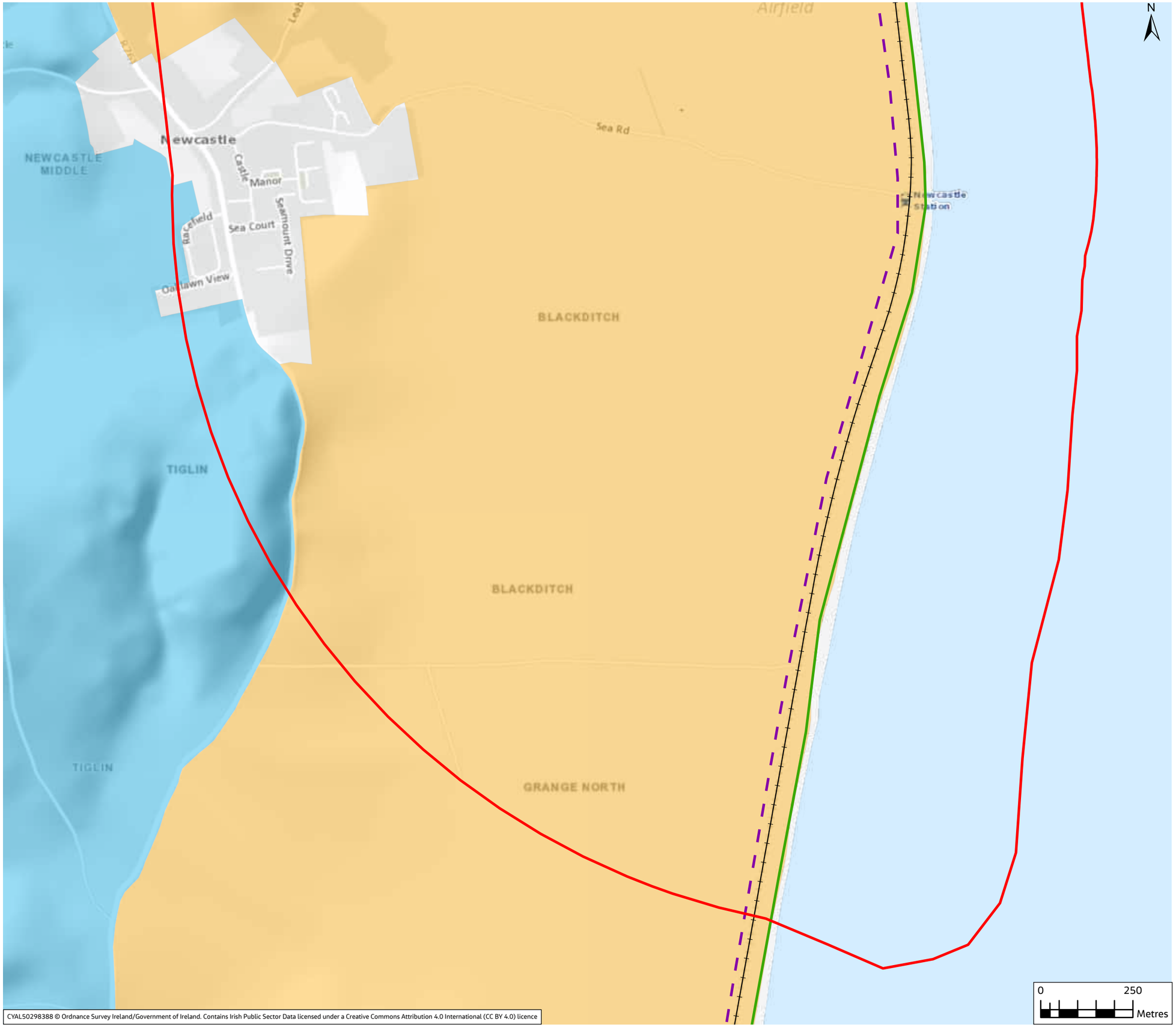

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FIGURE 5.1

Legend

- CCA6.1 Study Area
- Railway Network Centreline

Views & Prospects

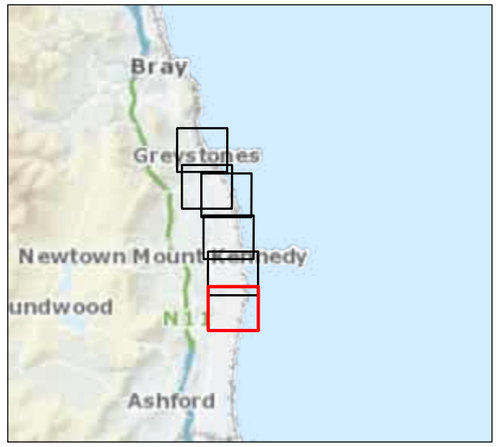
- Prospects

Seascape Coastal Type

- Broad estuarine bays and complex low plateau and cliff coastline

Landscape Character Areas

- Eastern Corridor
- Coastal Areas



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7694 EAST COAST RAILWAY
INFRASTRUCTURE PROTECTION PROJECTS

Drawing Title

Figure 5.1
CCA6.1- Environmental Constraints - Landscape & Visual
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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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