

# TECHNICAL REPORT

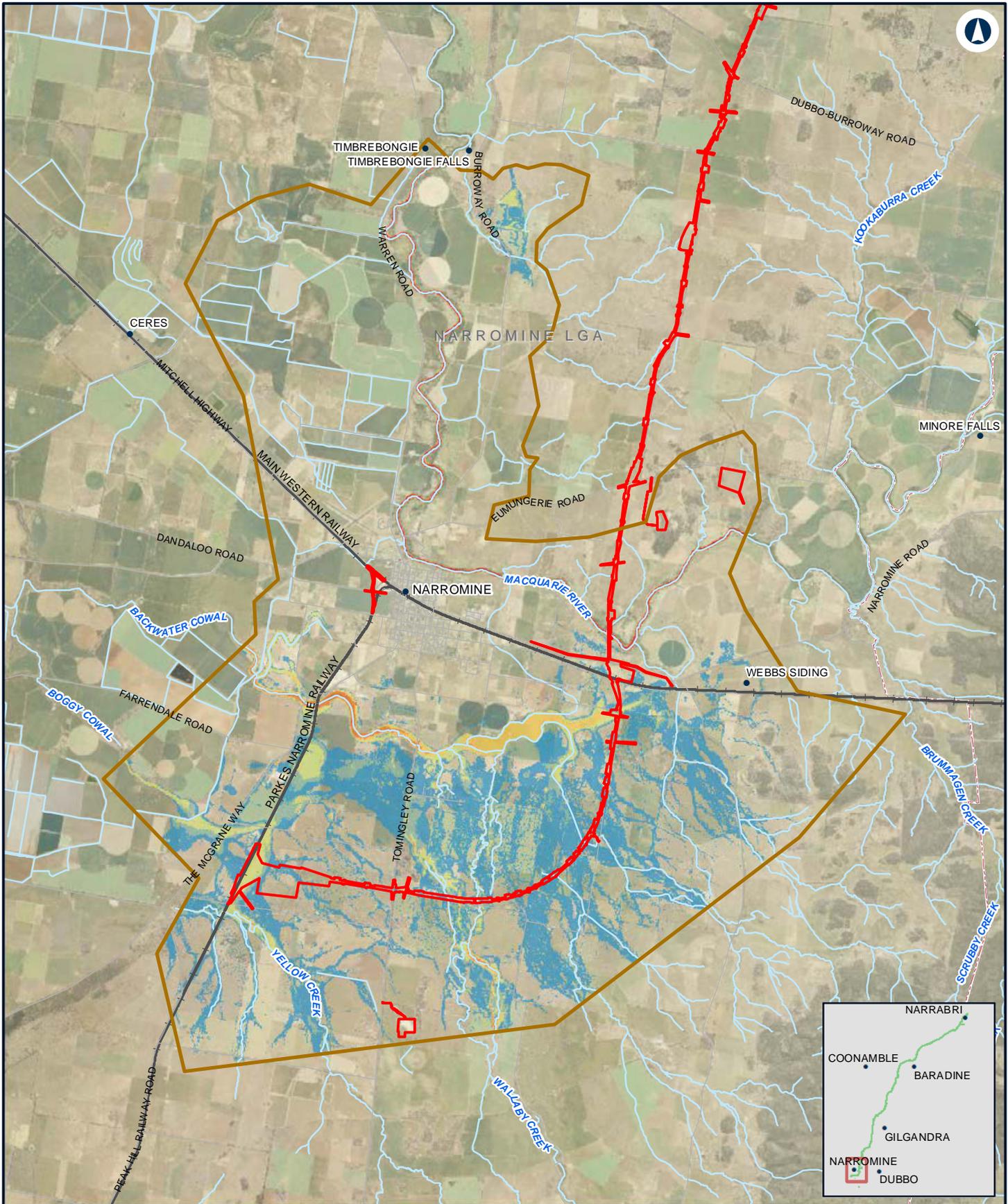
# 03

Updated flooding and hydrology assessment

## **Appendix D4** Existing maximum hazard

NARROMINE TO NARRABRI PROJECT

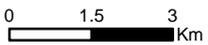




**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - NFM

Appendix D - Figure 4.1a



Coordinate System: GDA 1994 MGA Zone 55  
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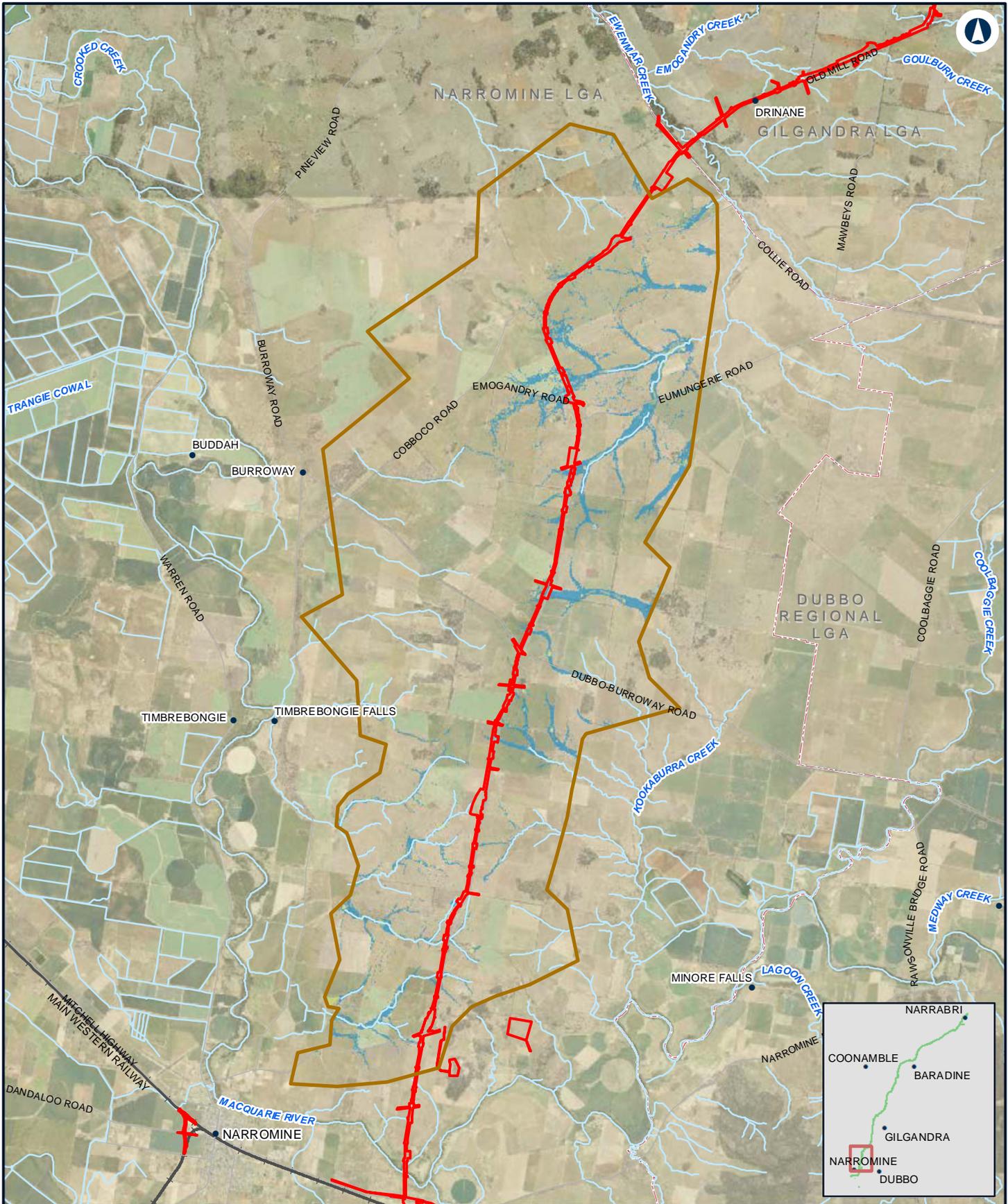
**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

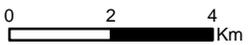


The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.



**NARROMINE TO NARRABRI** Existing flood hazard - 20% AEP - N2N14

Appendix D - Figure 4.1b



**LEGEND**

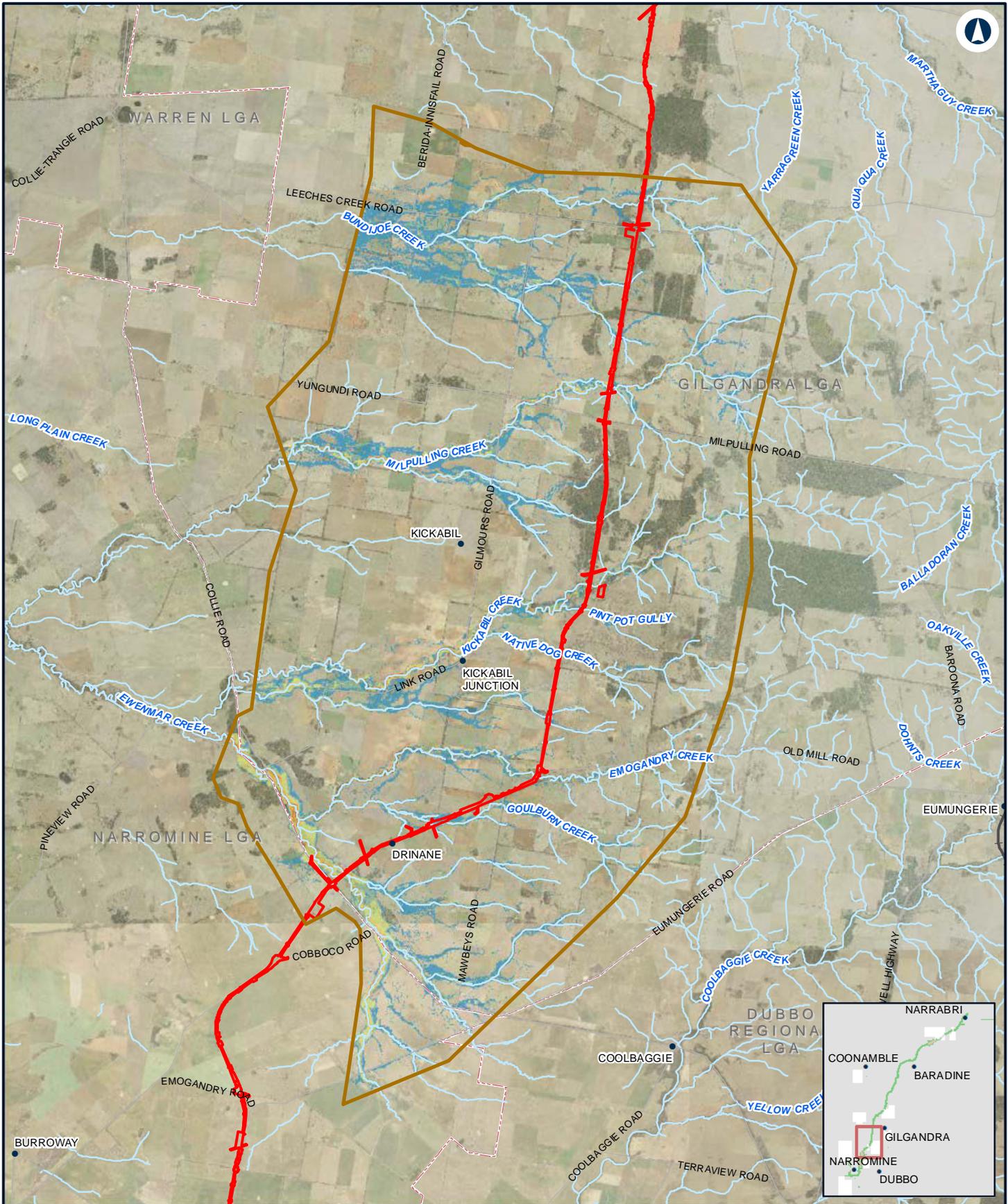
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 Author: JacobsGHD      Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



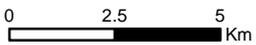
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 20% AEP - N2N13**

Appendix D - Figure 4.1c



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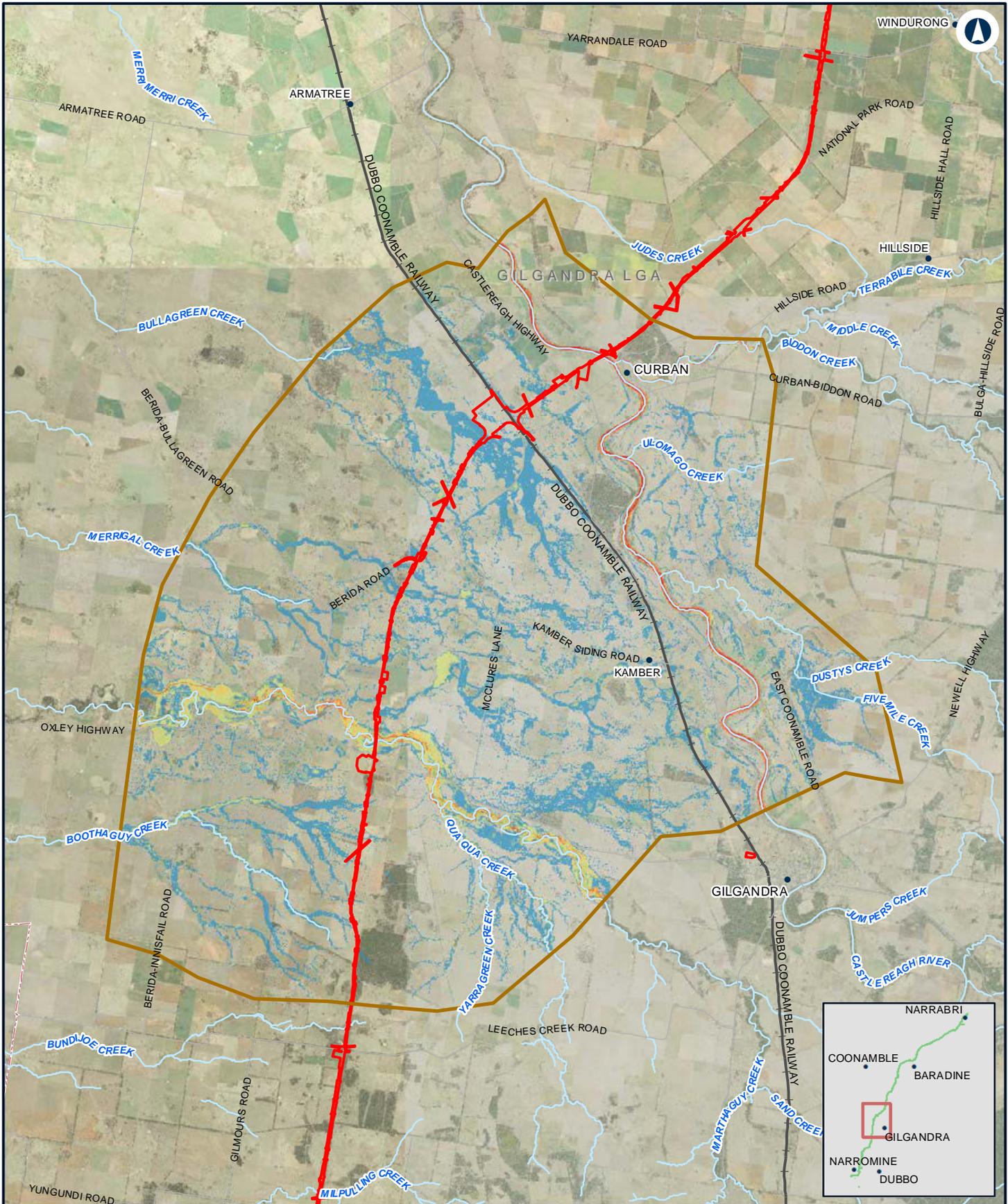
Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:180,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unconditionally dangerous



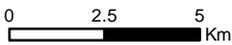
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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N11N12

Appendix D - Figure 4.1d



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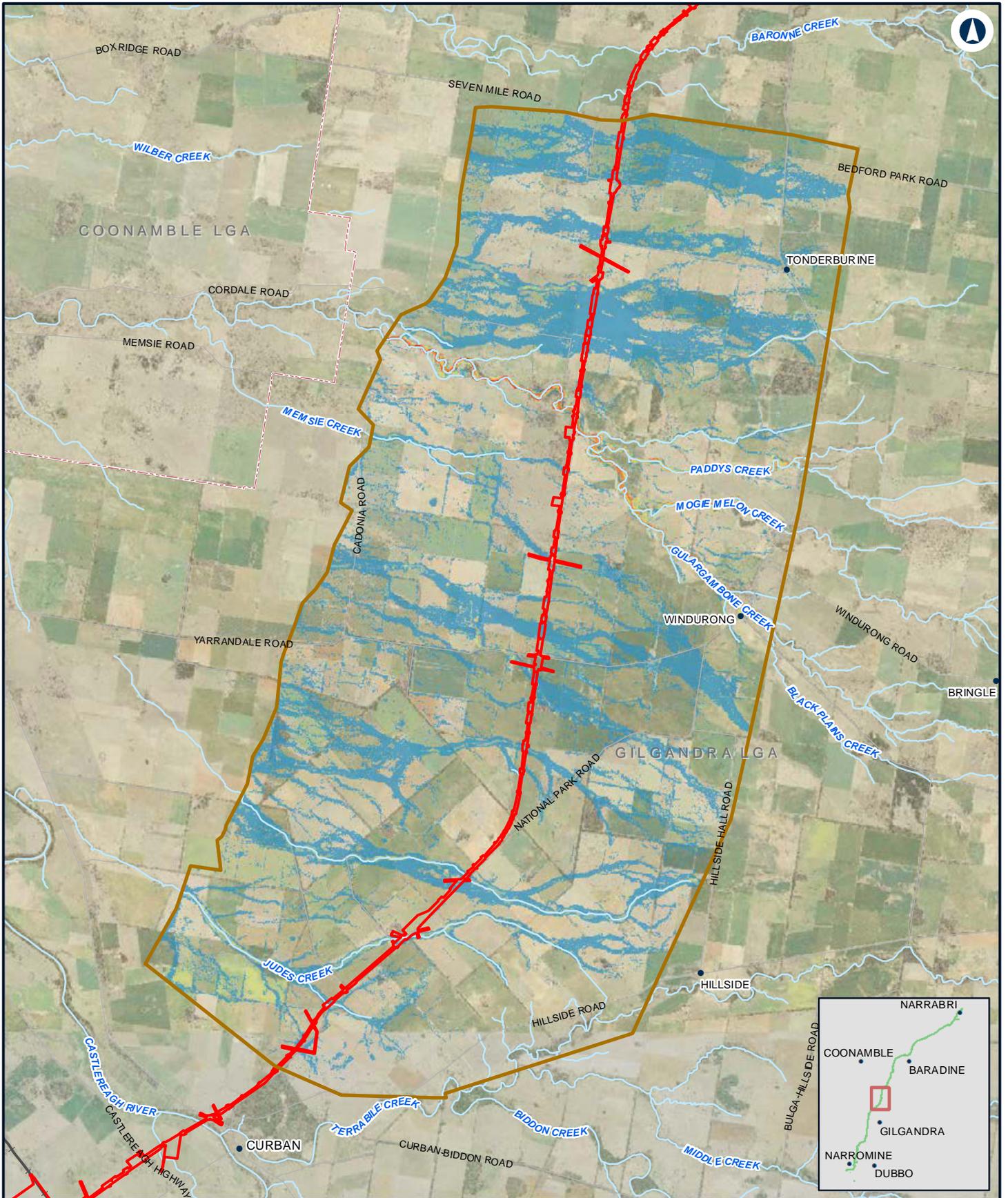
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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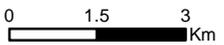
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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N10

Appendix D - Figure 4.1e



**LEGEND**

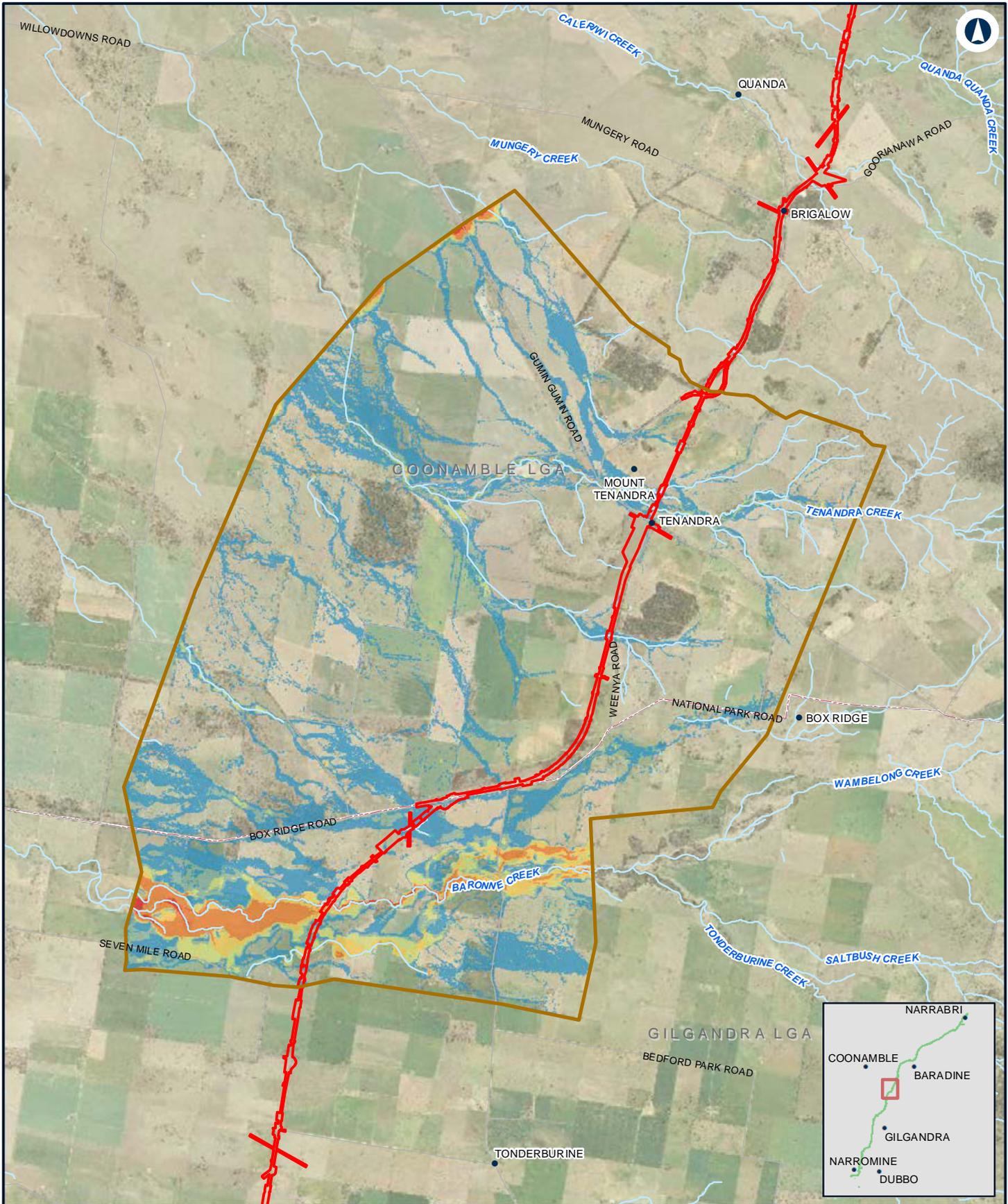
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Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:130,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



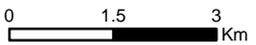
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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N9

Appendix D - Figure 4.1f



**LEGEND**

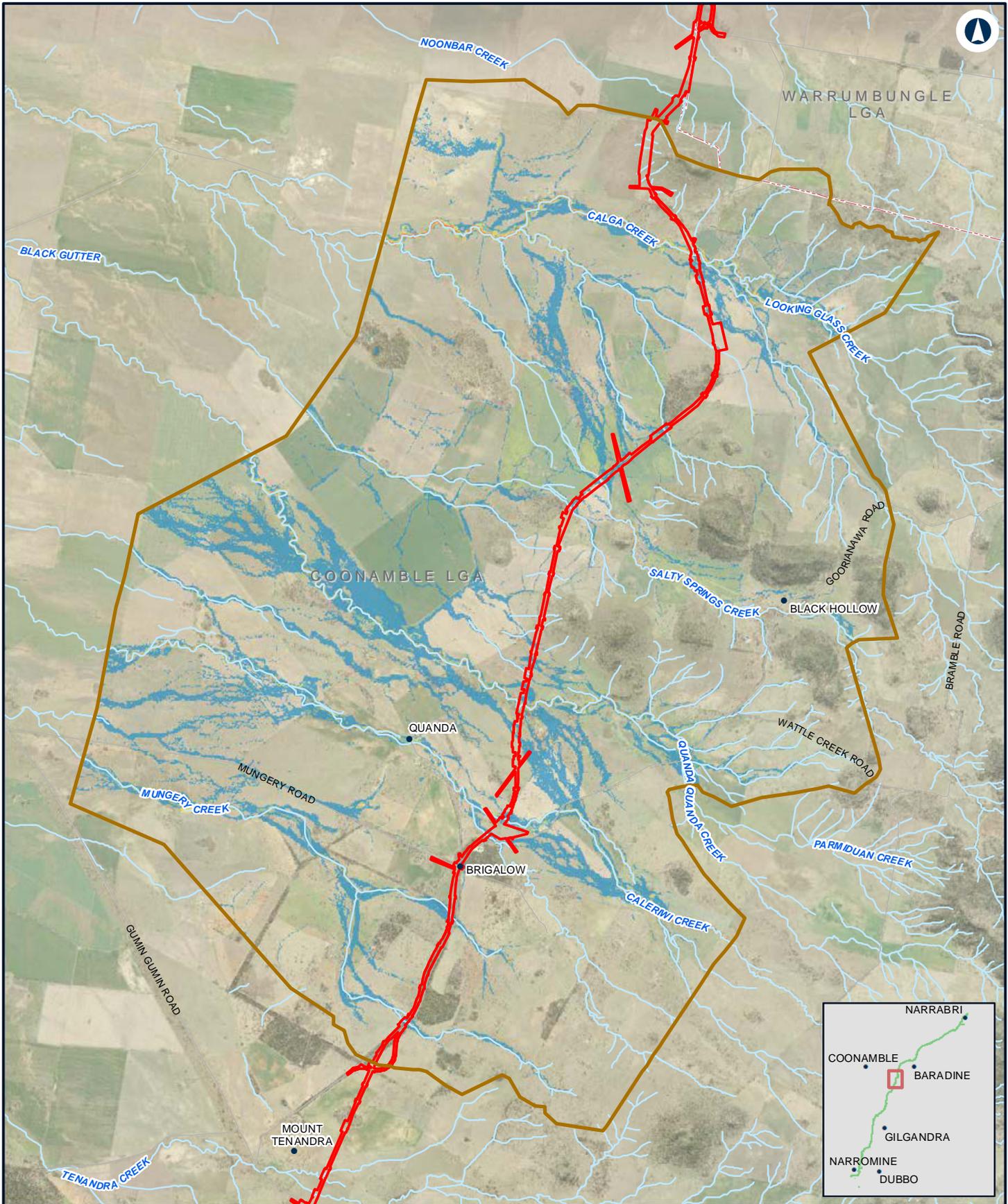
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Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:110,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



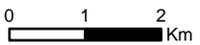
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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N8

Appendix D - Figure 4.1g



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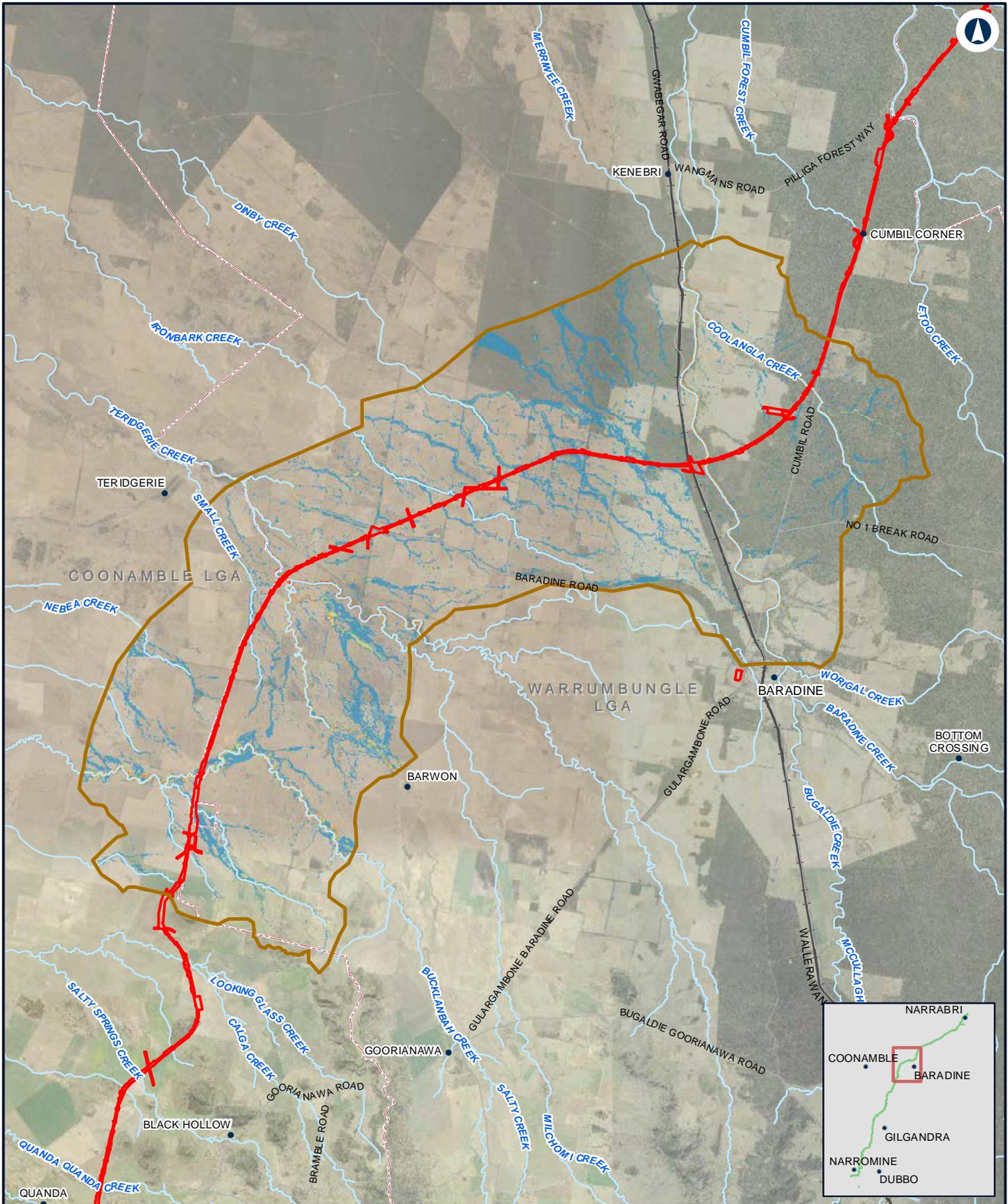
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:100,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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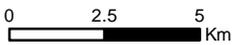
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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N7

Appendix D - Figure 4.1h



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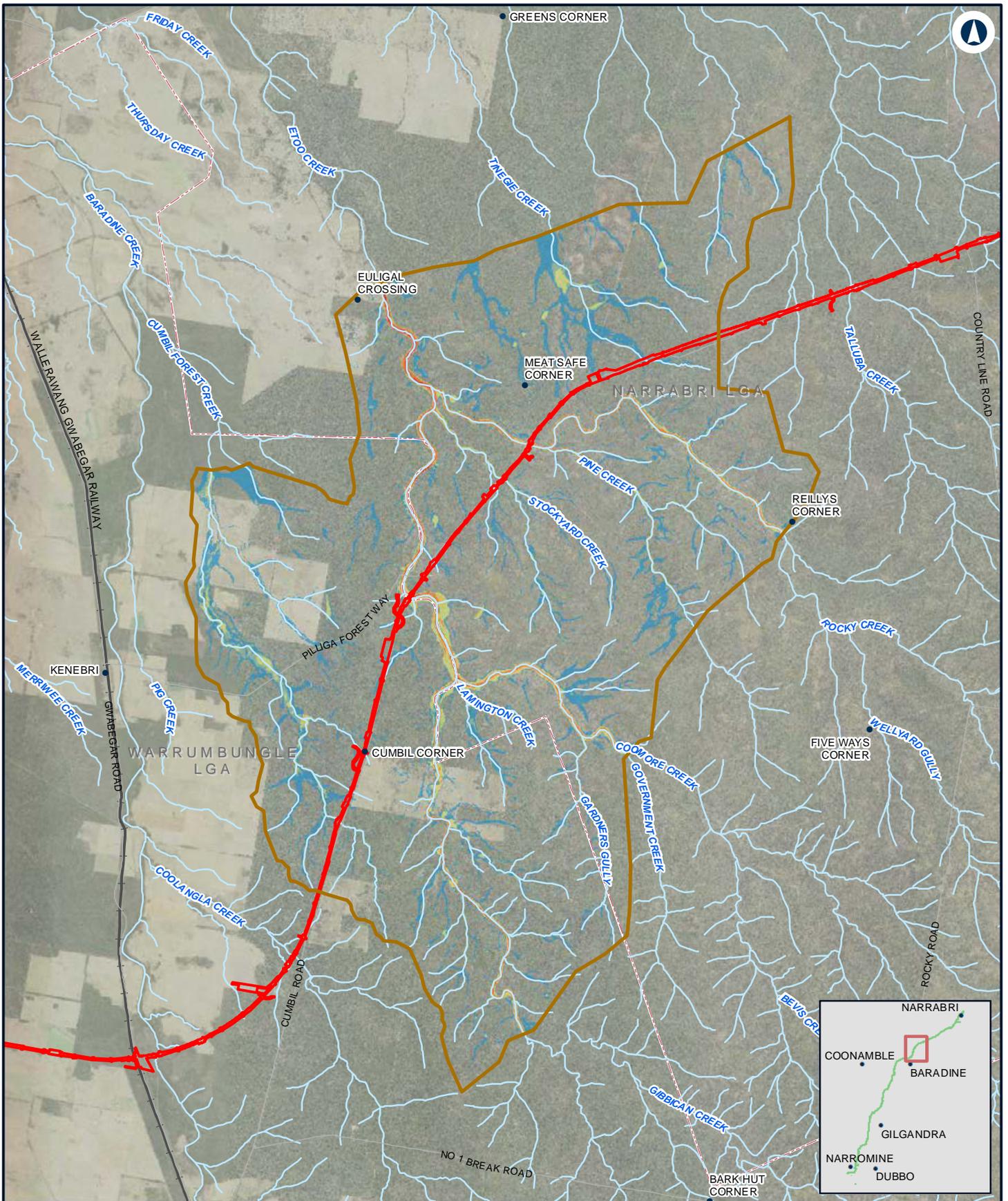
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:200,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N6

Appendix D - Figure 4.1i



Coordinate System: GDA 1994 MGA Zone 55

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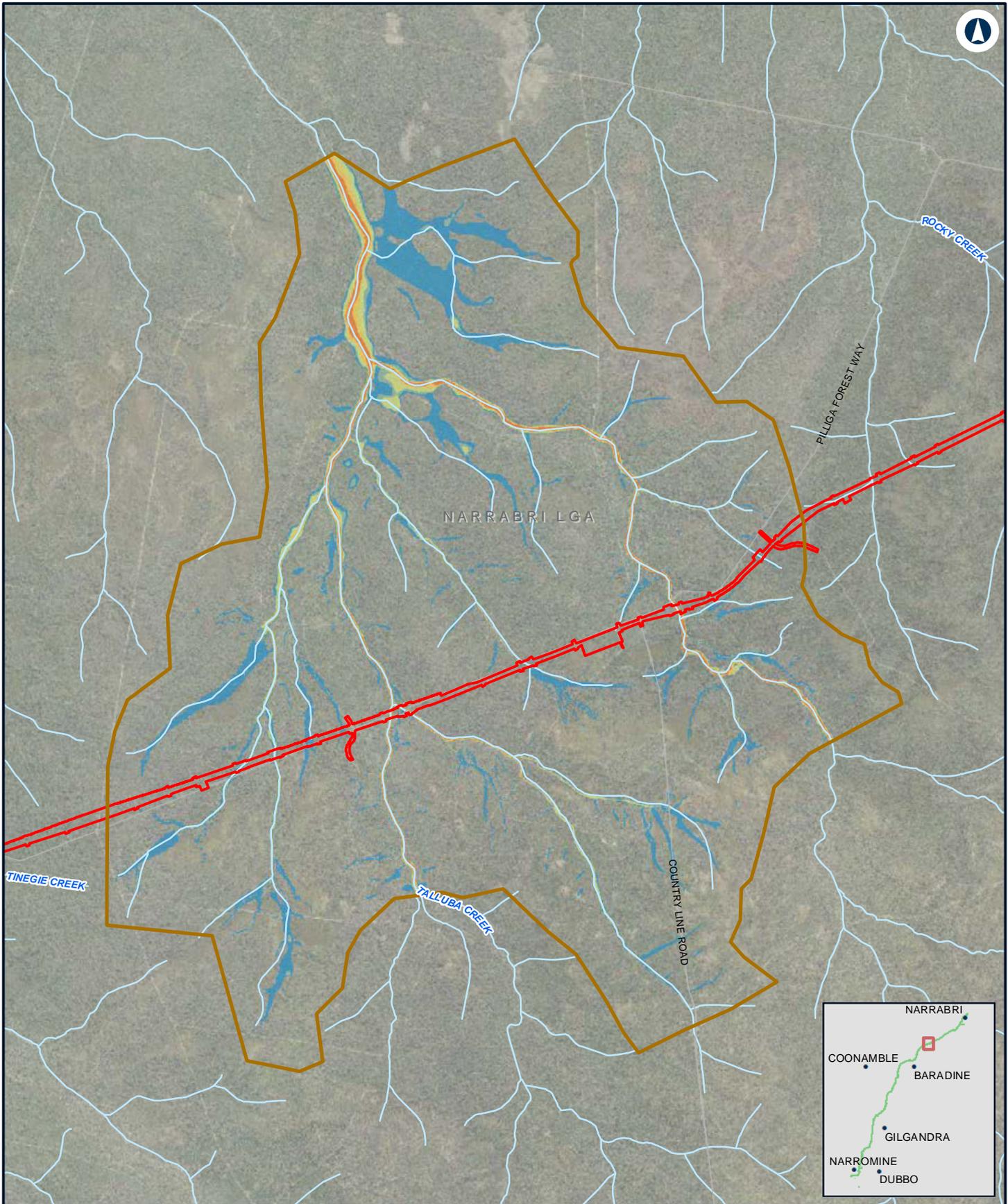
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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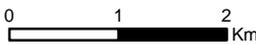
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 20% AEP - N2N5**

Appendix D - Figure 4.1j



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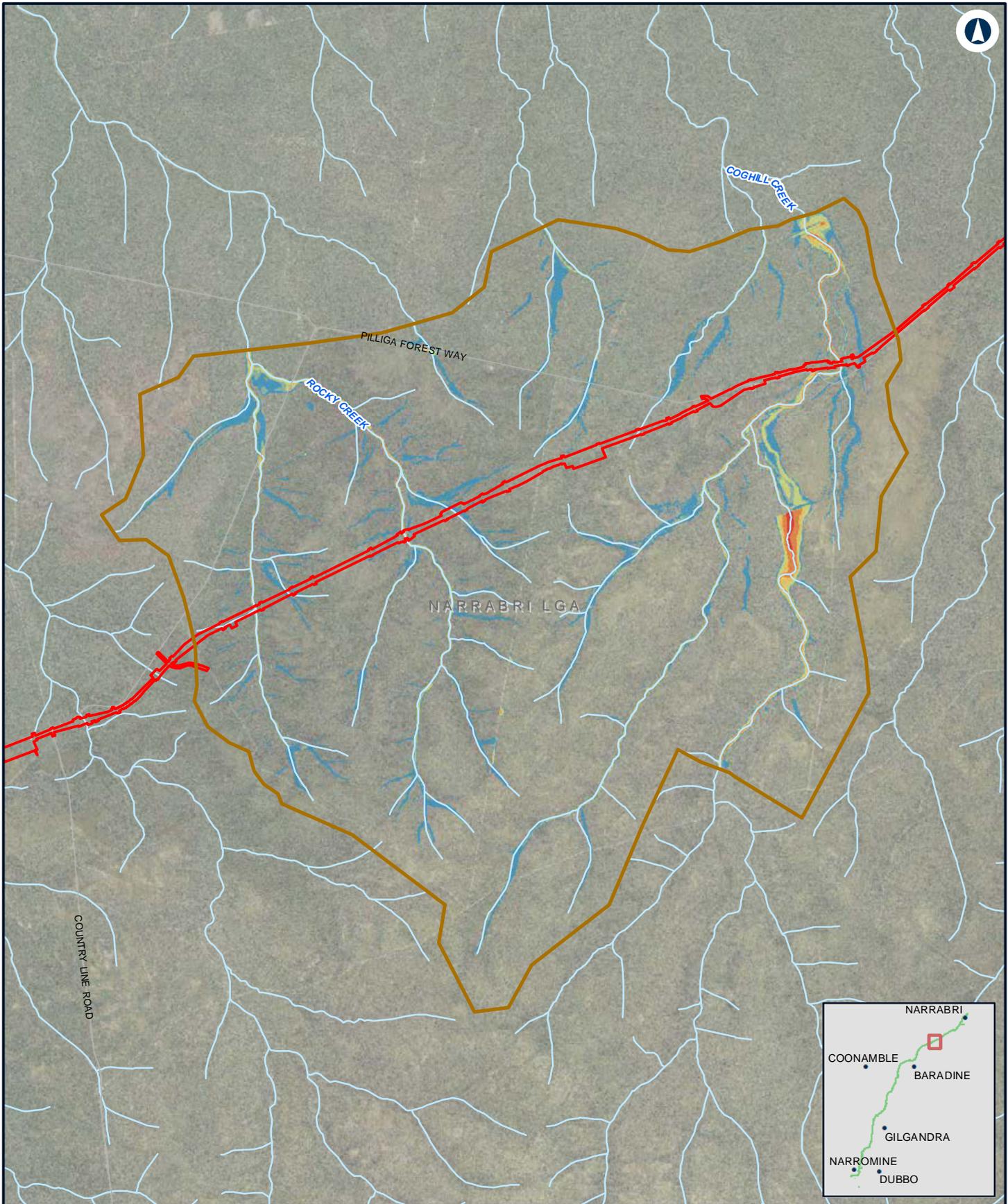
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Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:70,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N4

Appendix D - Figure 4.1k



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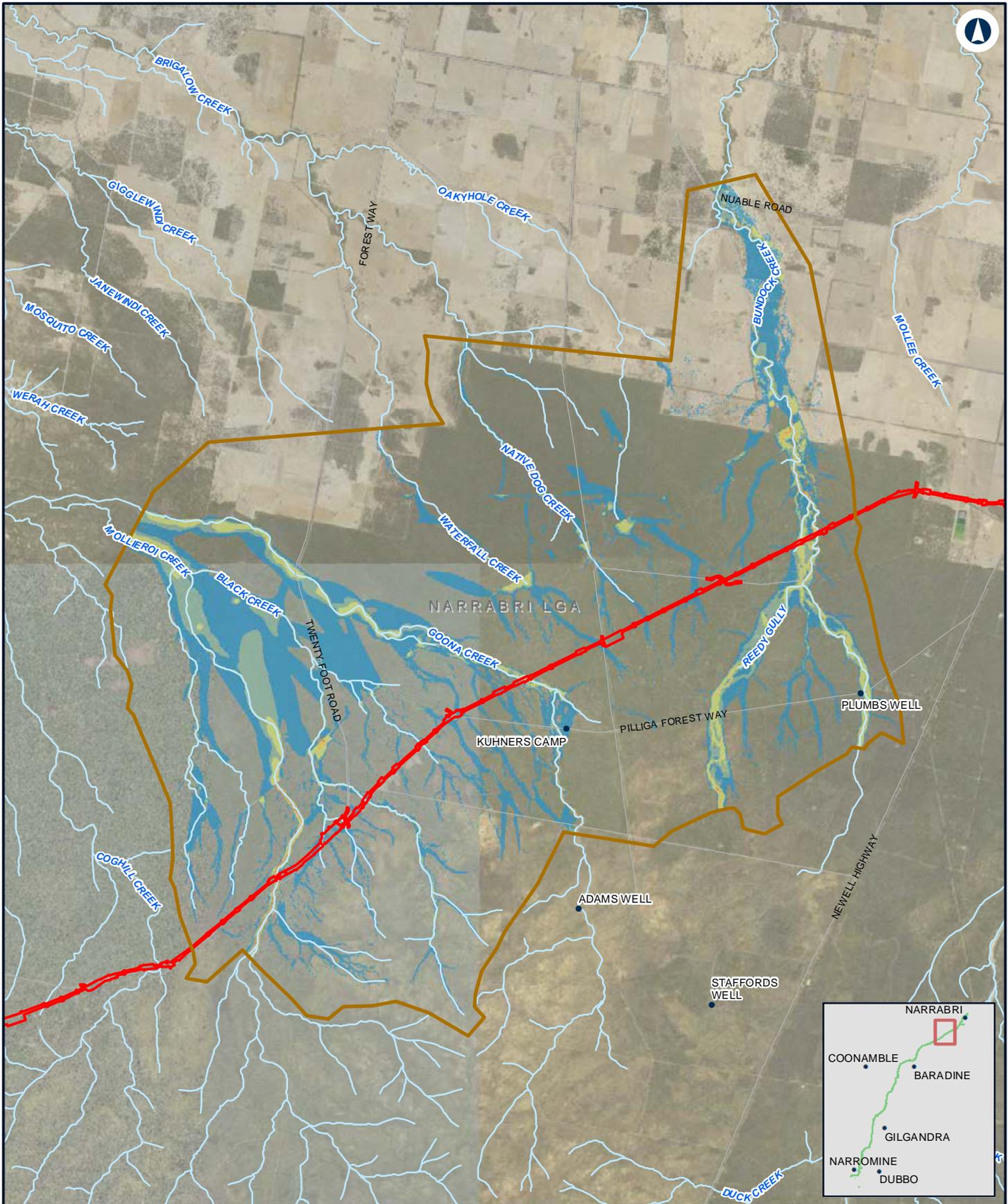
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Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:80,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



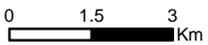
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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N23

Appendix D - Figure 4.11



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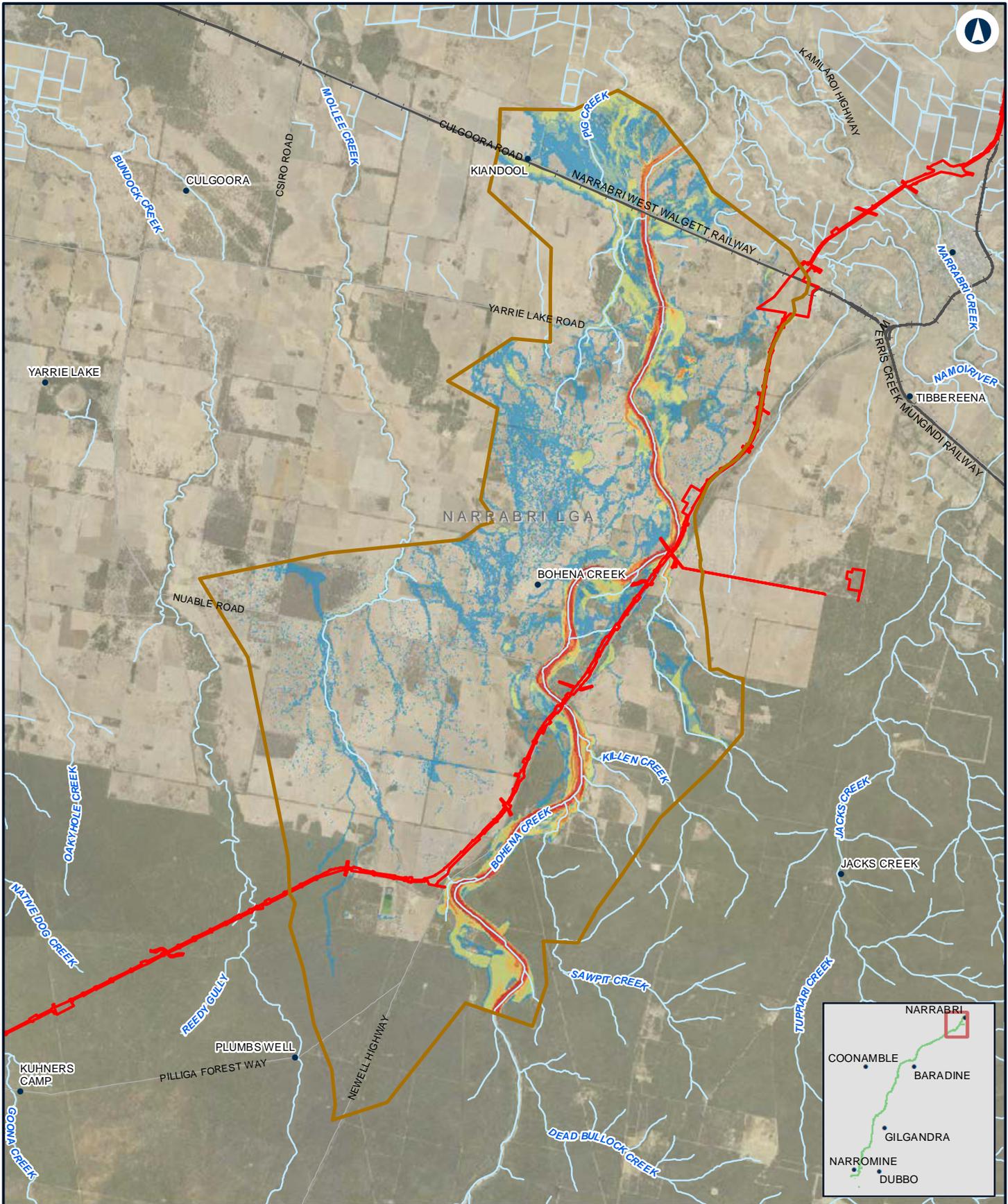
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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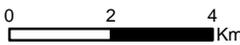
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**NARROMINE TO NARRABRI**

Existing flood hazard - 20% AEP - N2N1

Appendix D - Figure 4.1m



**LEGEND**

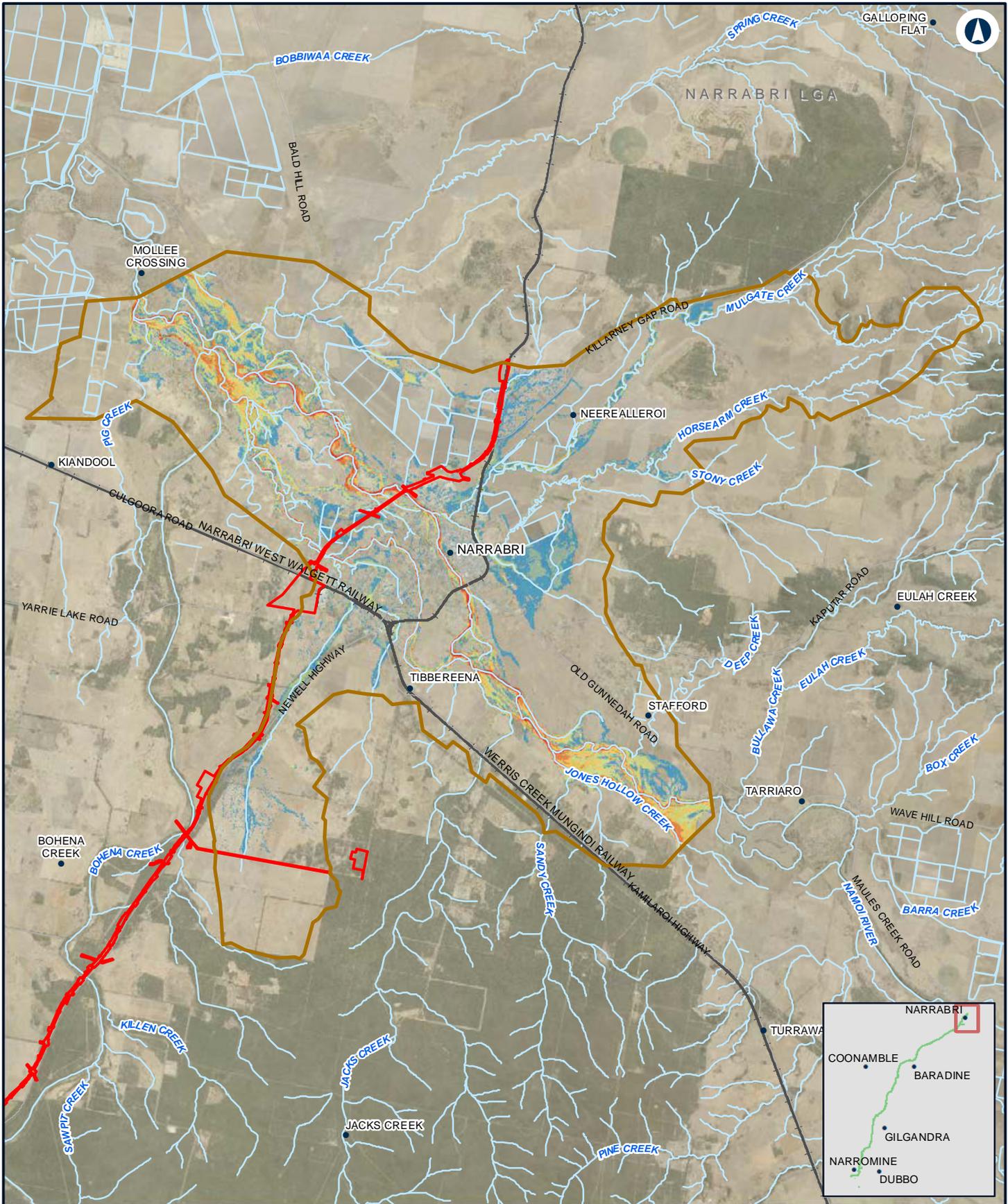
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 Author: JacobsGHD      Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



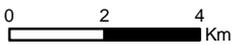
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 20% AEP - Narrabri**

Appendix D - Figure 4.1n



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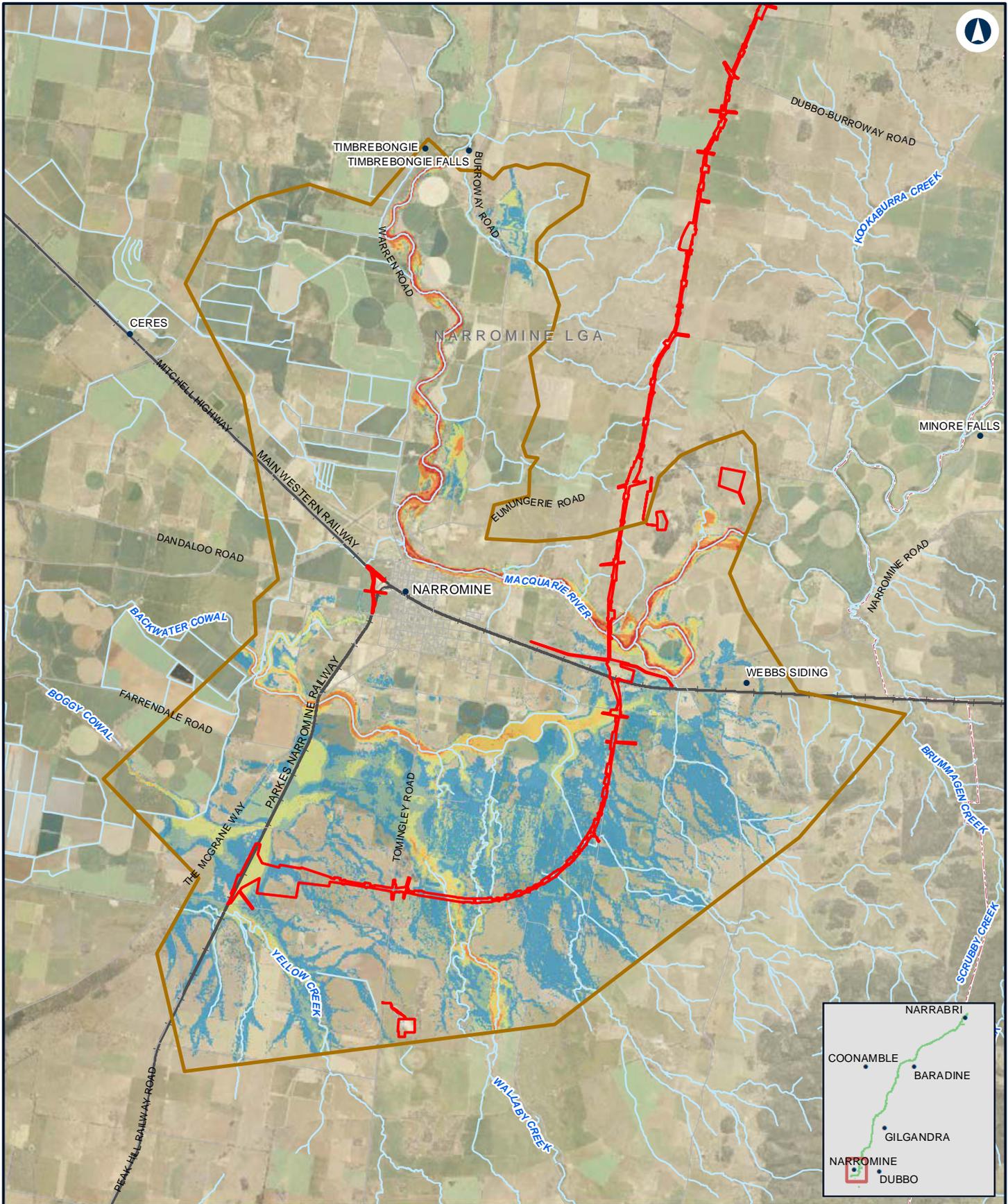
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:160,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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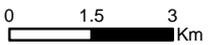
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**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - NFM

Appendix D - Figure 4.2a



Coordinate System: GDA 1994 MGA Zone 55

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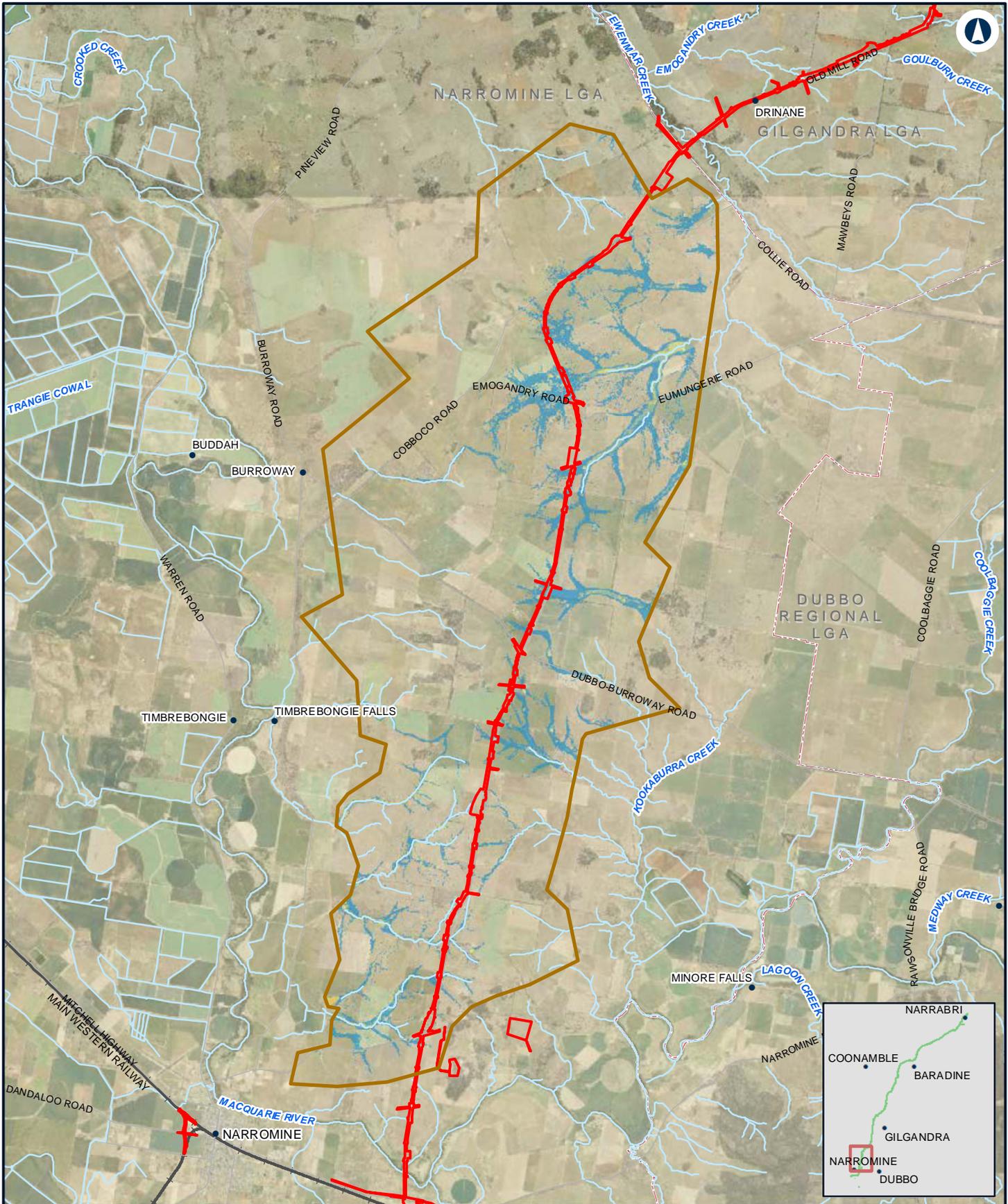
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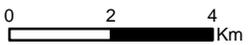
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**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N14

Appendix D - Figure 4.2b



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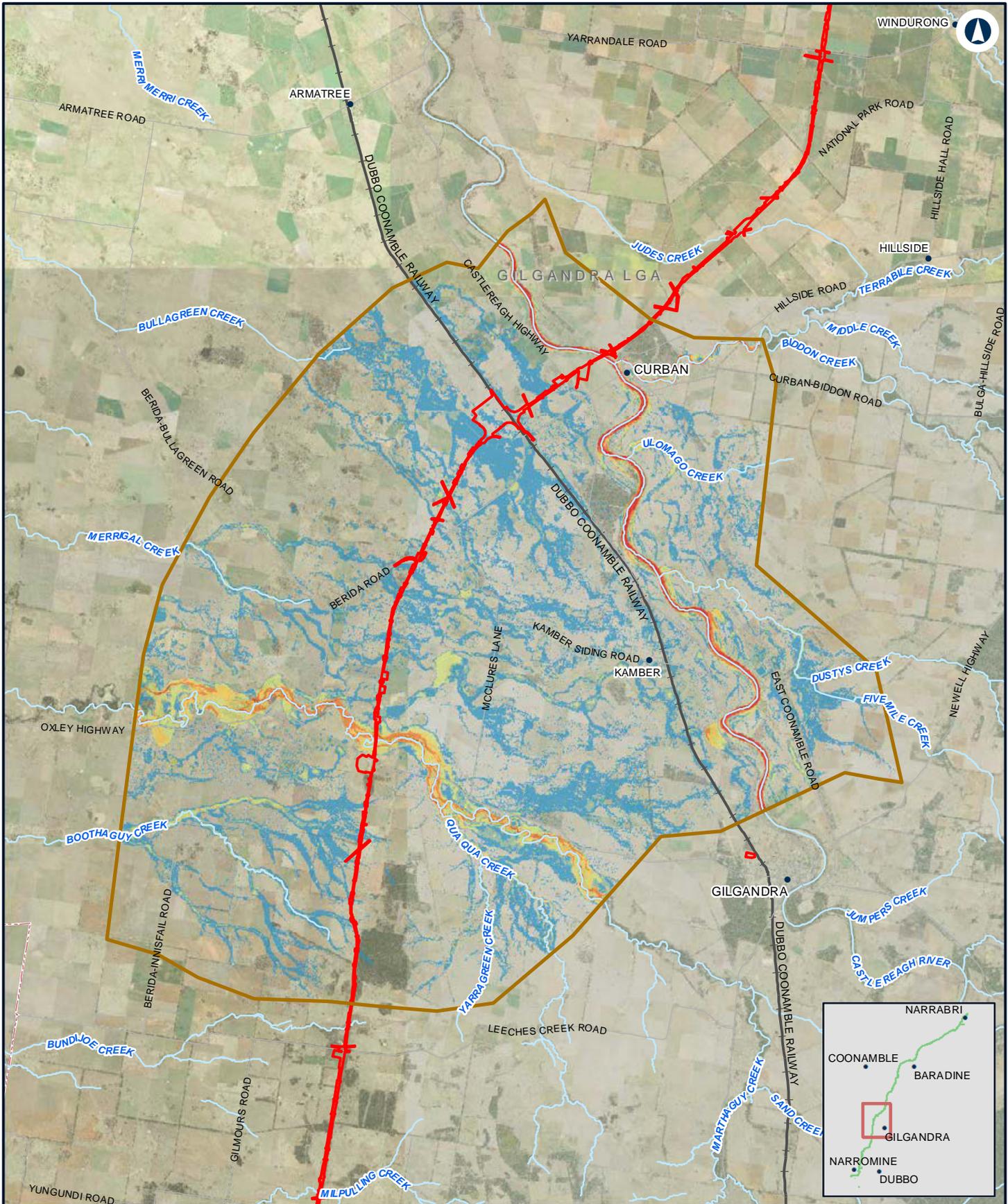
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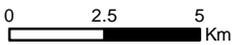




**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N11N12

Appendix D - Figure 4.2d



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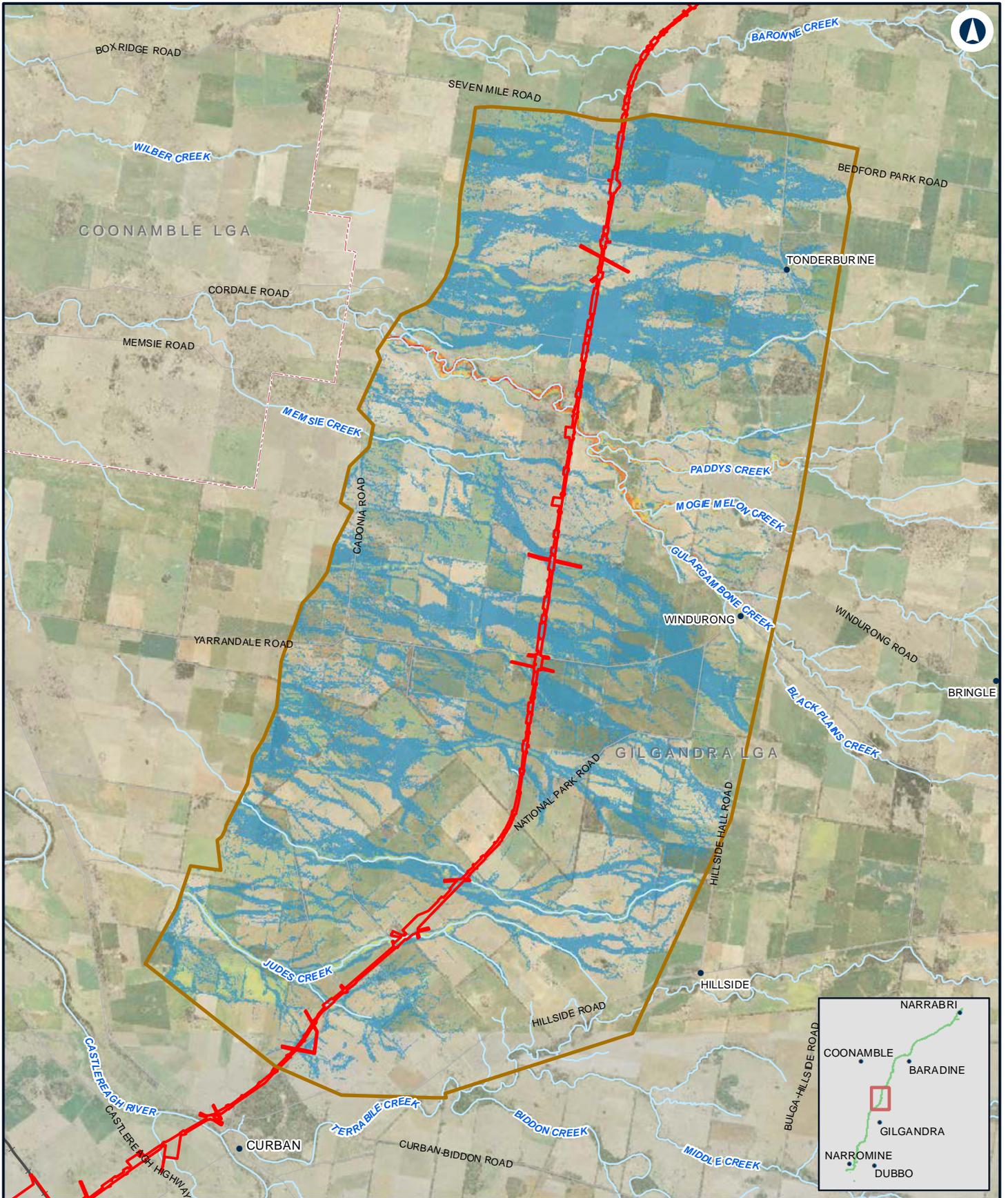
Date: 10/01/2022  
 Author: JacobsGHD  
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- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



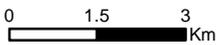
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**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N10

Appendix D - Figure 4.2e



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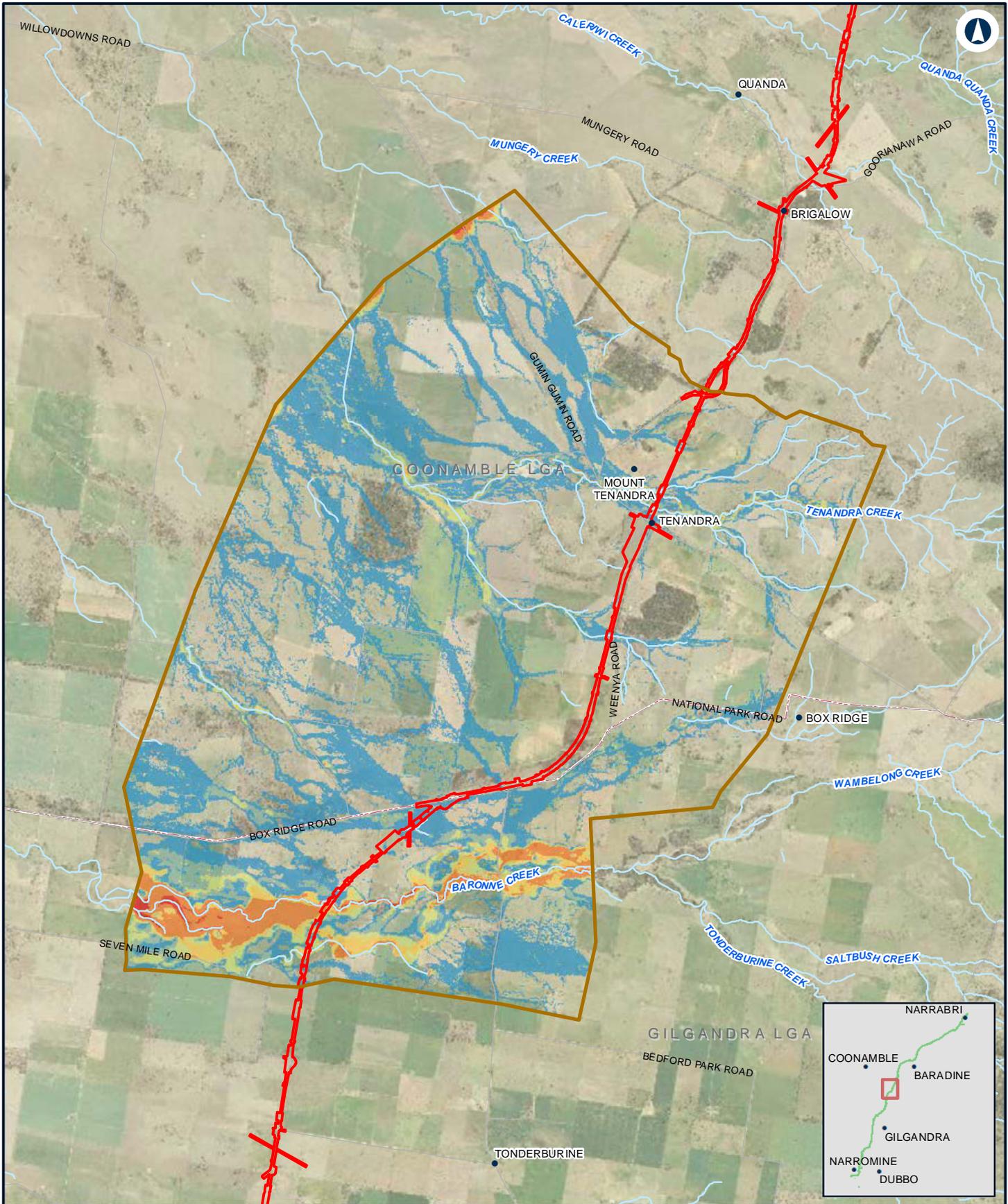
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



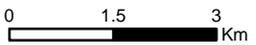
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**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N9

Appendix D - Figure 4.2f



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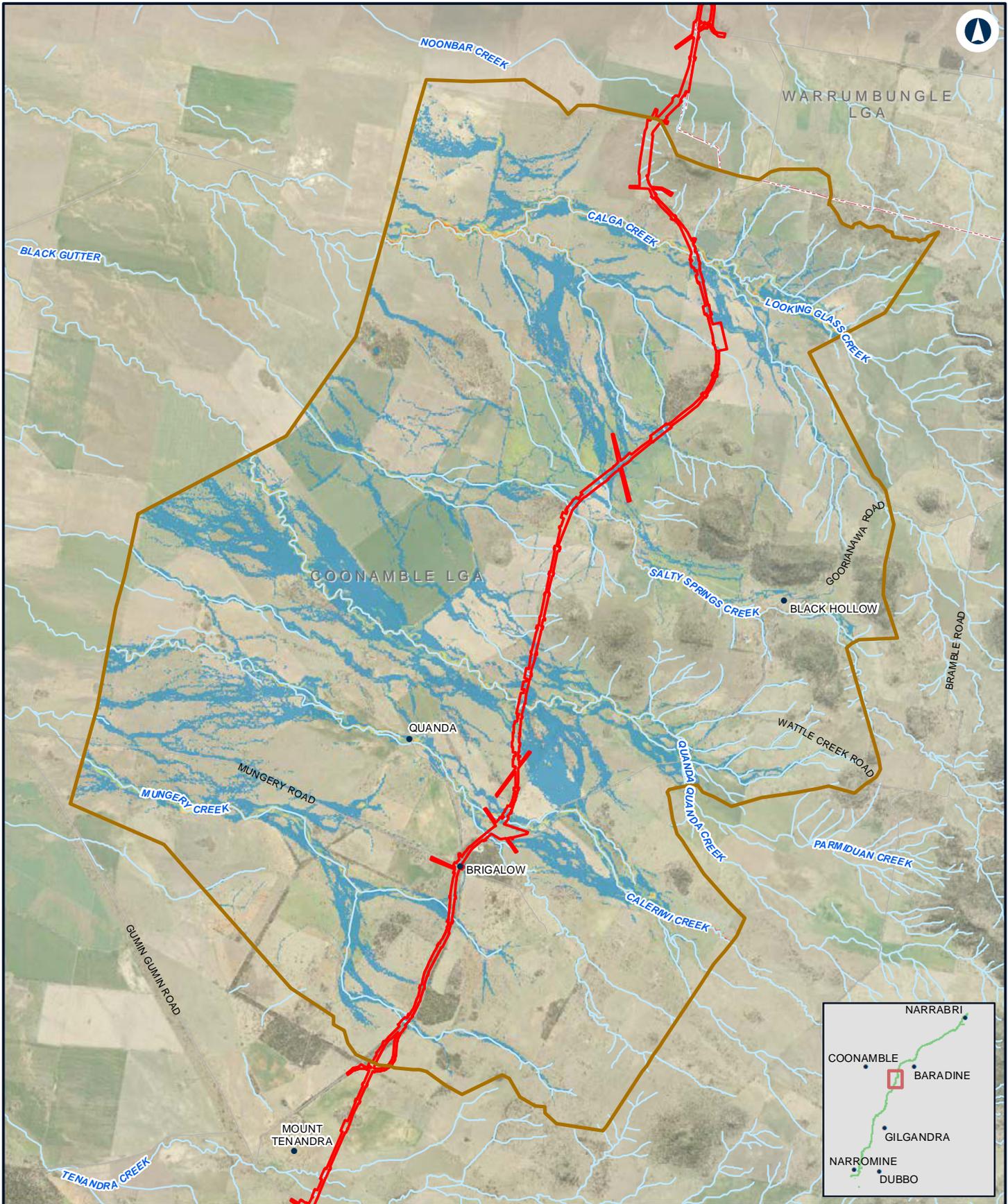
**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:110,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



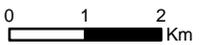
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**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N8

Appendix D - Figure 4.2g



Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

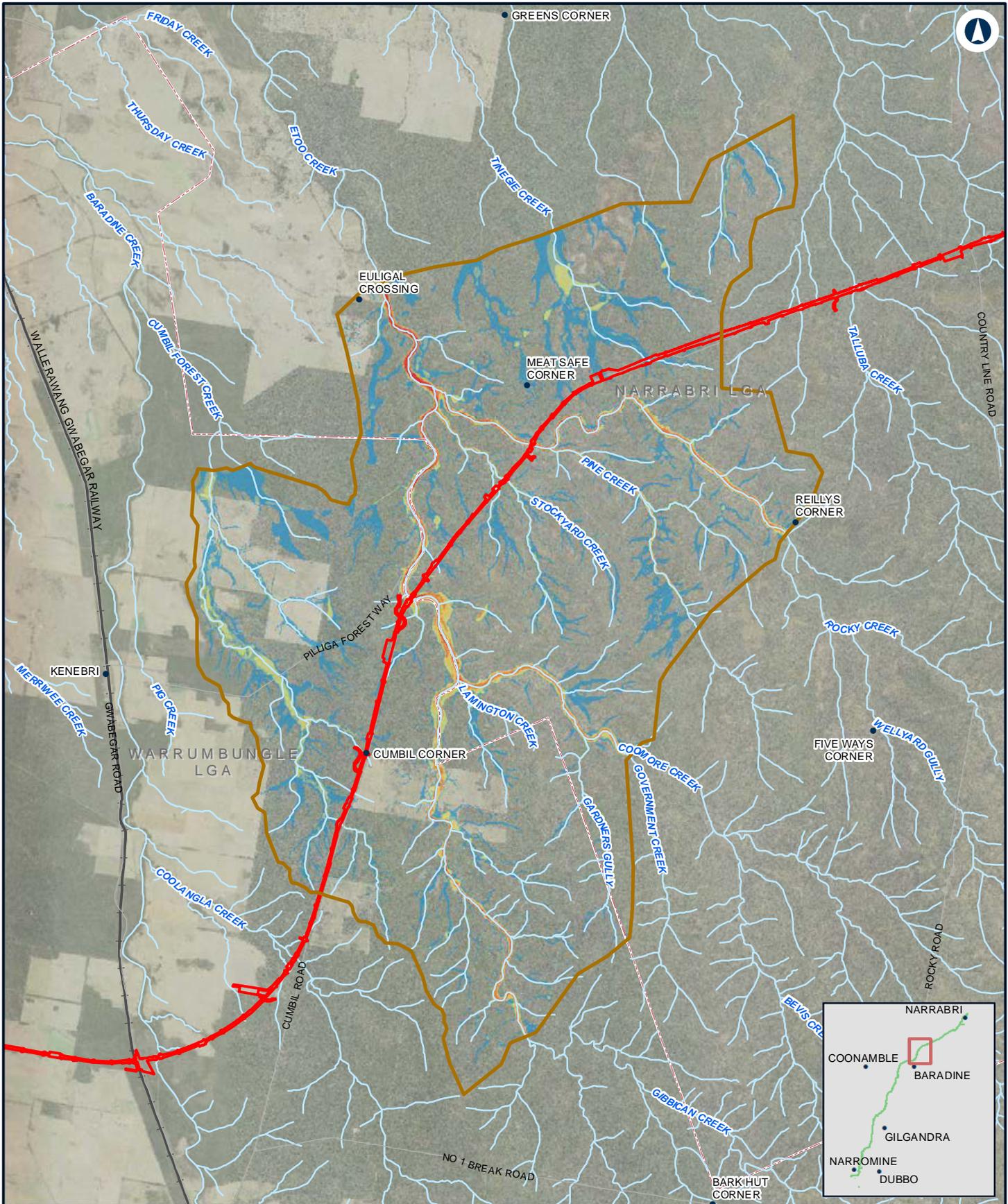
**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
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- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



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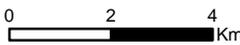




**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N6

Appendix D - Figure 4.2i



Coordinate System: GDA 1994 MGA Zone 55  
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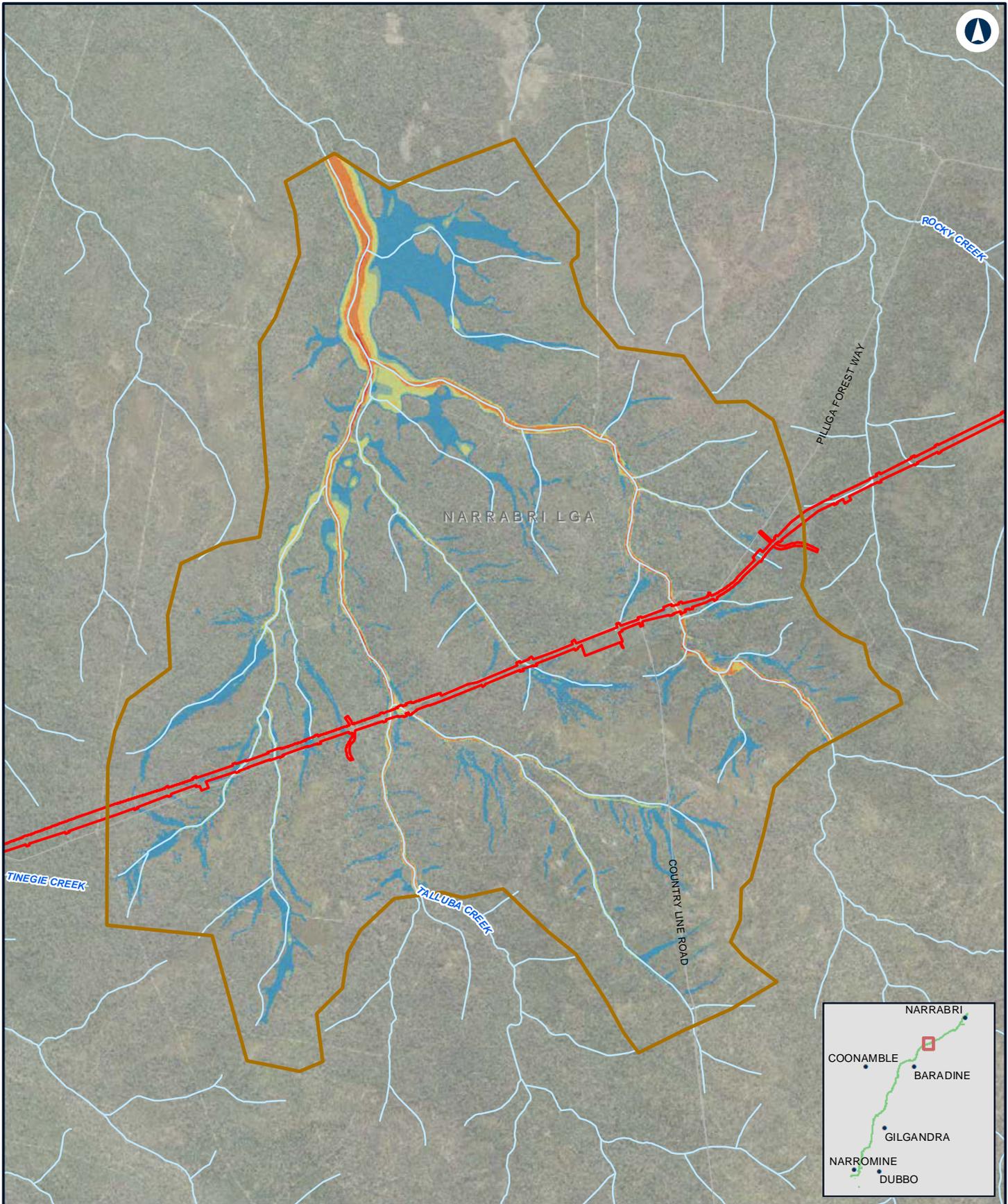
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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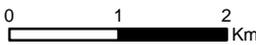
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 5% AEP - N2N5**

Appendix D - Figure 4.2j



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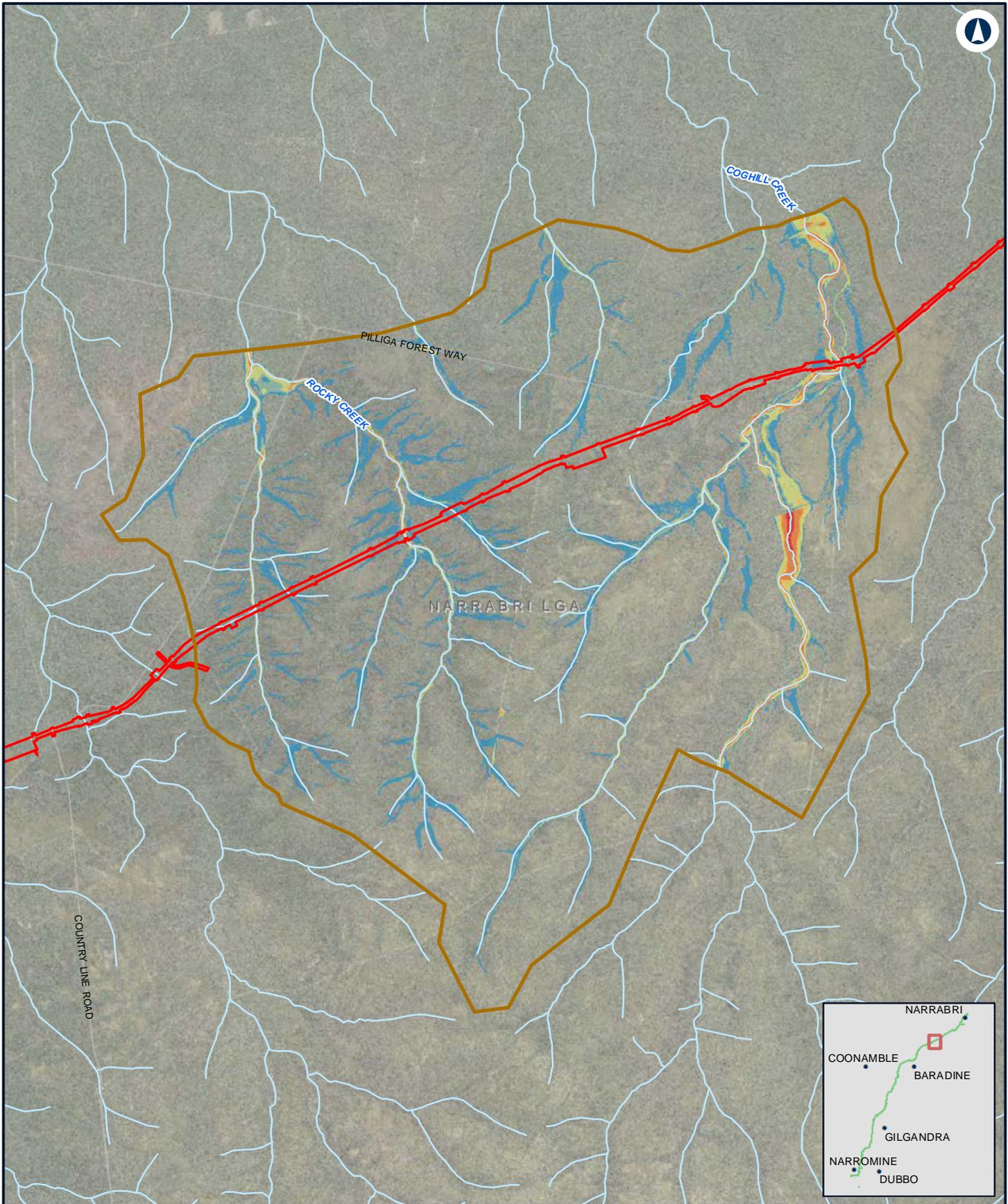
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:70,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



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**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N4

Appendix D - Figure 4.2k



Coordinate System: GDA 1994 MGA Zone 55  
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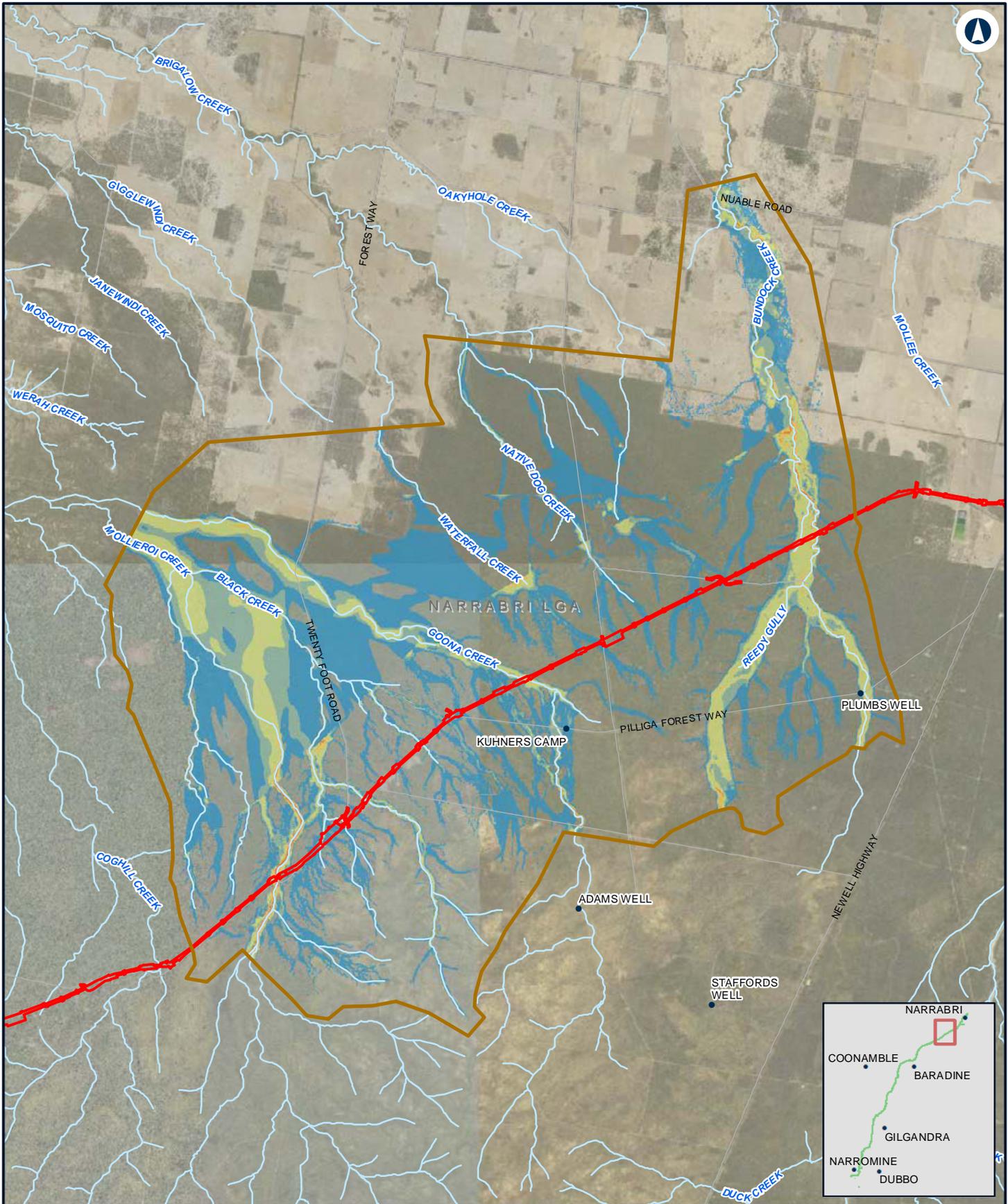
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:80,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
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- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



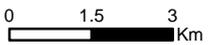
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**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N23

Appendix D - Figure 4.21



Coordinate System: GDA 1994 MGA Zone 55

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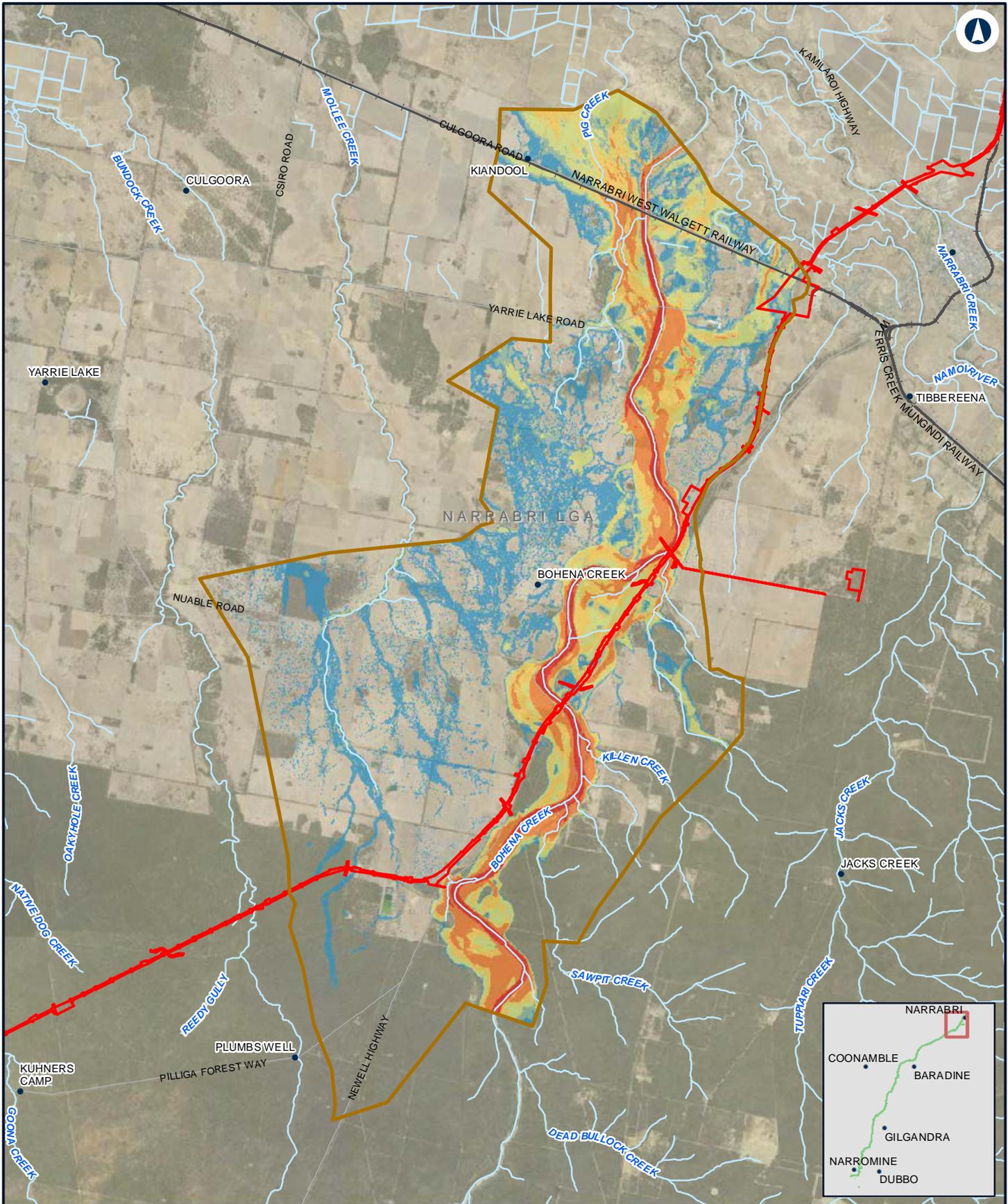
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



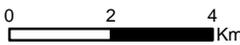
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**NARROMINE TO NARRABRI**

Existing flood hazard - 5% AEP - N2N1

Appendix D - Figure 4.2m



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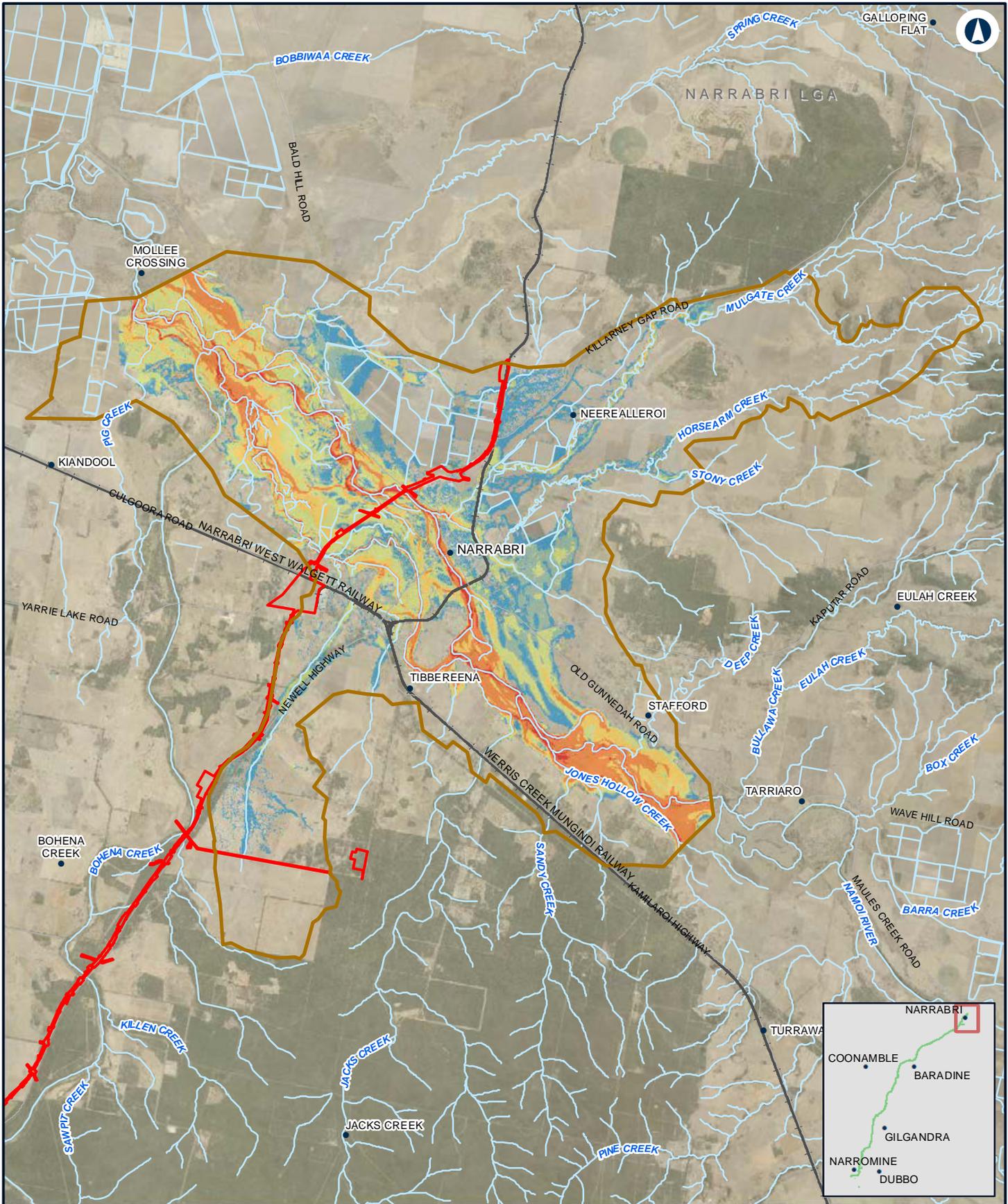
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



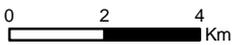
The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.



**NARROMINE TO NARRABRI**

**Existing flood hazard - 5% AEP - Narrabri**

Appendix D - Figure 4.2n



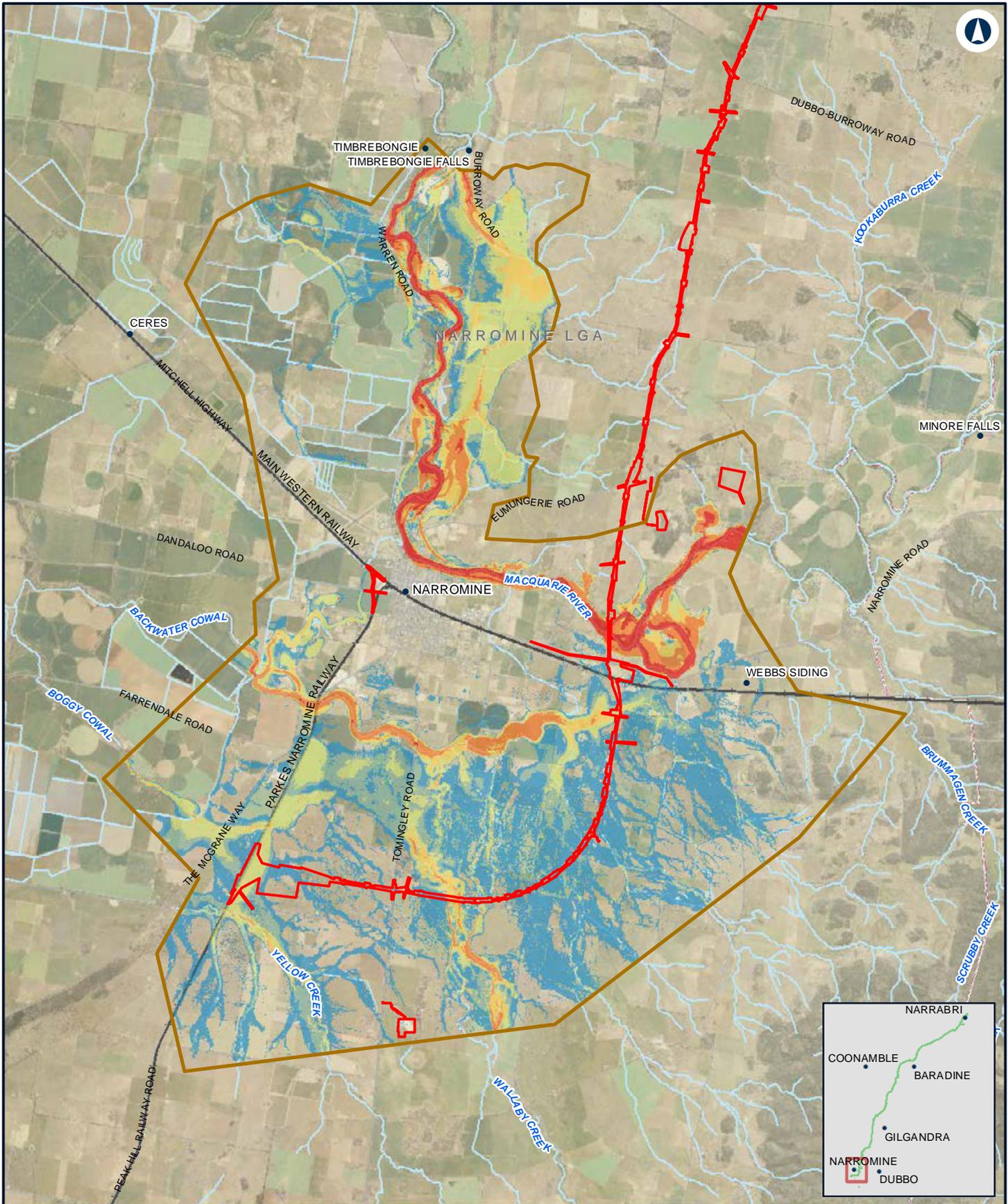
Coordinate System: GDA 1994 MGA Zone 55  
 ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.  
 Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:160,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



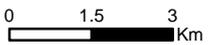
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - NFM

Appendix D - Figure 4.3a



Coordinate System: GDA 1994 MGA Zone 55  
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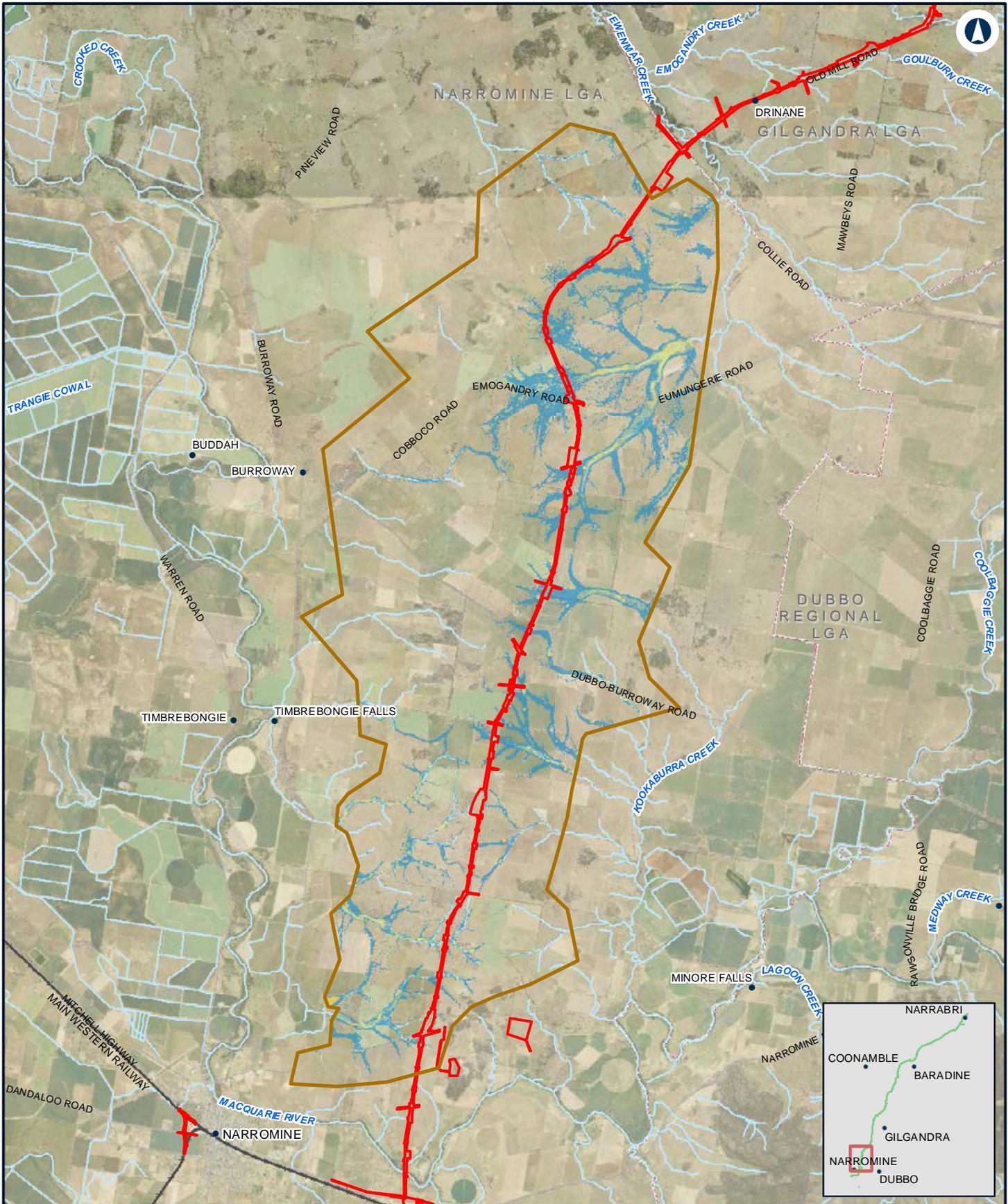
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
  - Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
  - Unsafe for small vehicles
  - Unsafe for vehicles, children and the elderly
  - Unsafe for vehicles and people
  - Unsafe for all people and all vehicles. Buildings require special engineering design and construction
  - Unconditionally dangerous



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**NARRROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N14

Appendix D - Figure 4.3b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary

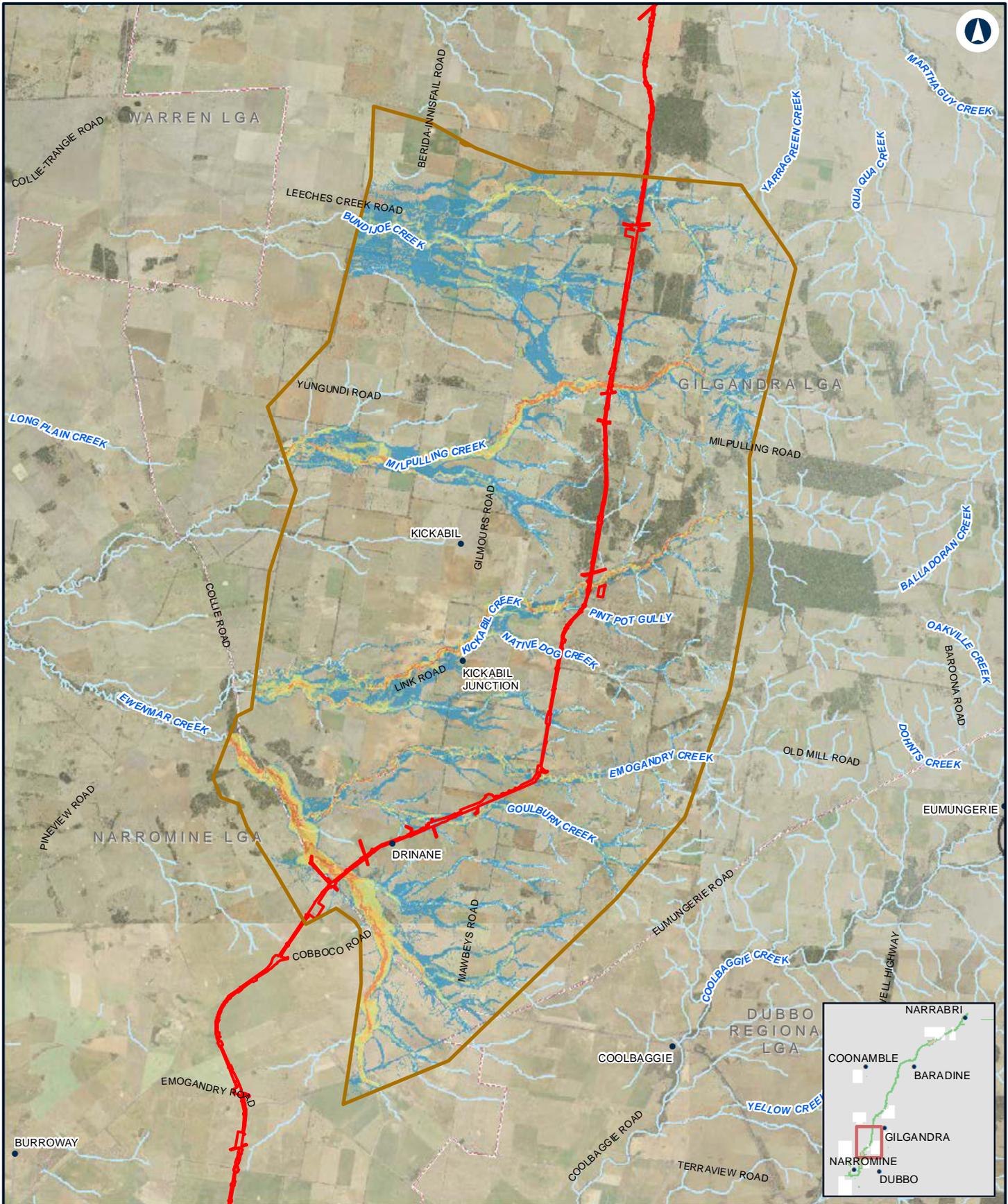
**Flood hazard**

- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

**INLAND RAIL**

**ARTC**

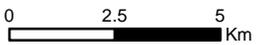
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N13

Appendix D - Figure 4.3c



Coordinate System: GDA 1994 MGA Zone 55  
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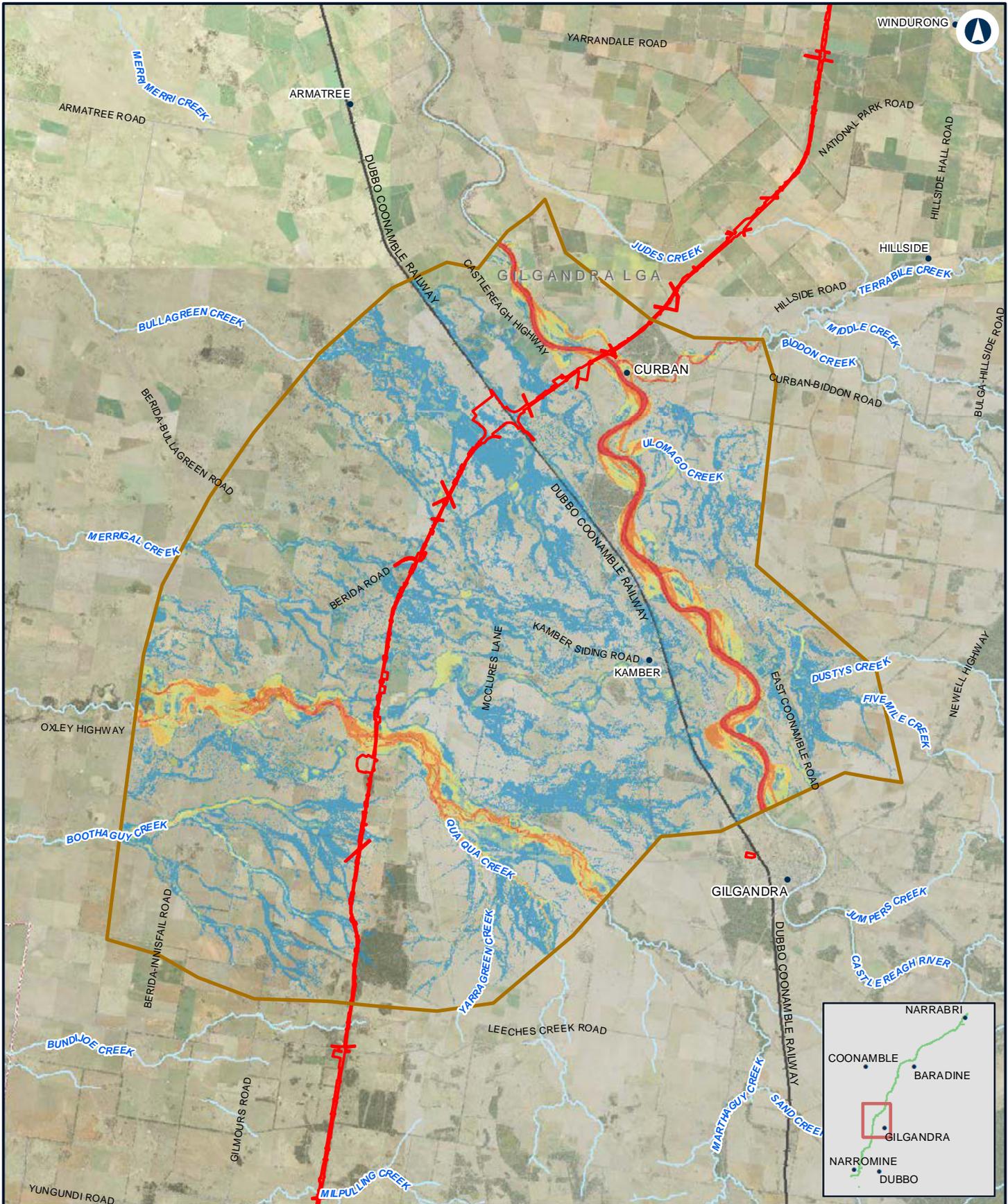
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:180,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



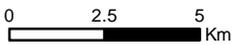
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N11N12

Appendix D - Figure 4.3d



Coordinate System: GDA 1994 MGA Zone 55  
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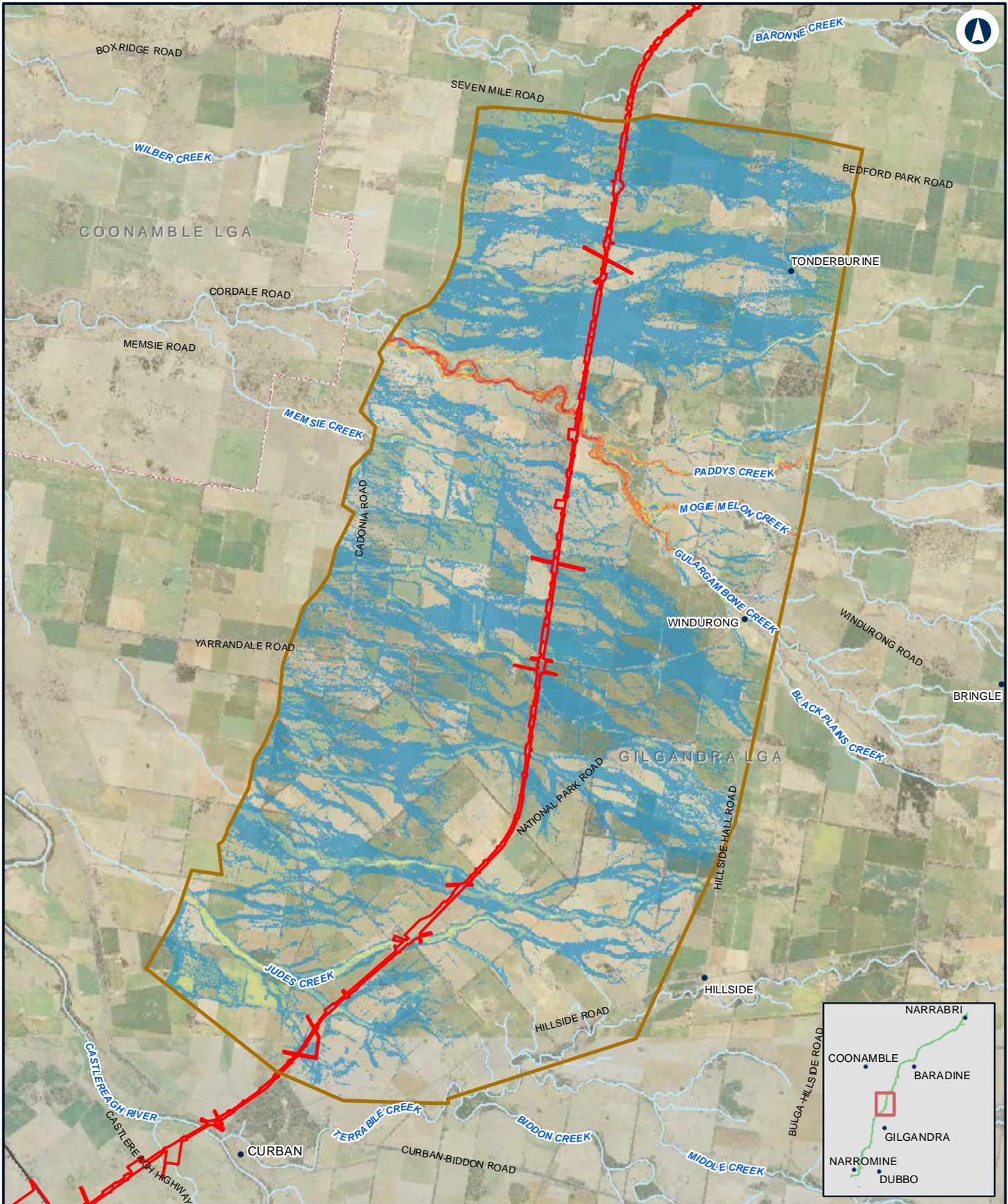
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:200,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N10

Appendix D - Figure 4.3e

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:130,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary

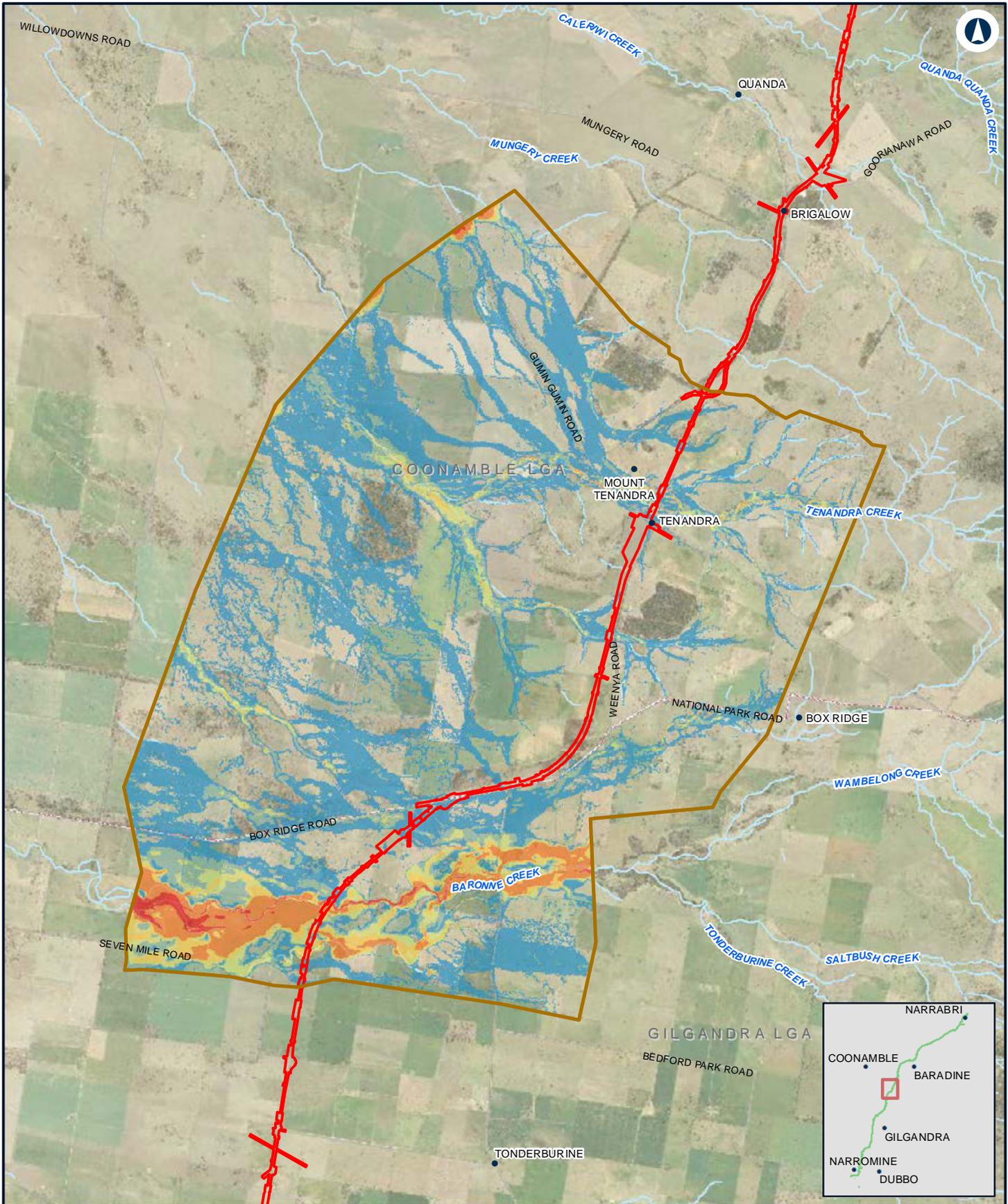
**Flood hazard**

- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

**INLAND RAIL**

**ARTC**

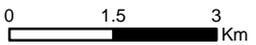
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N9

Appendix D - Figure 4.3f



Coordinate System: GDA 1994 MGA Zone 55  
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 Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:110,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

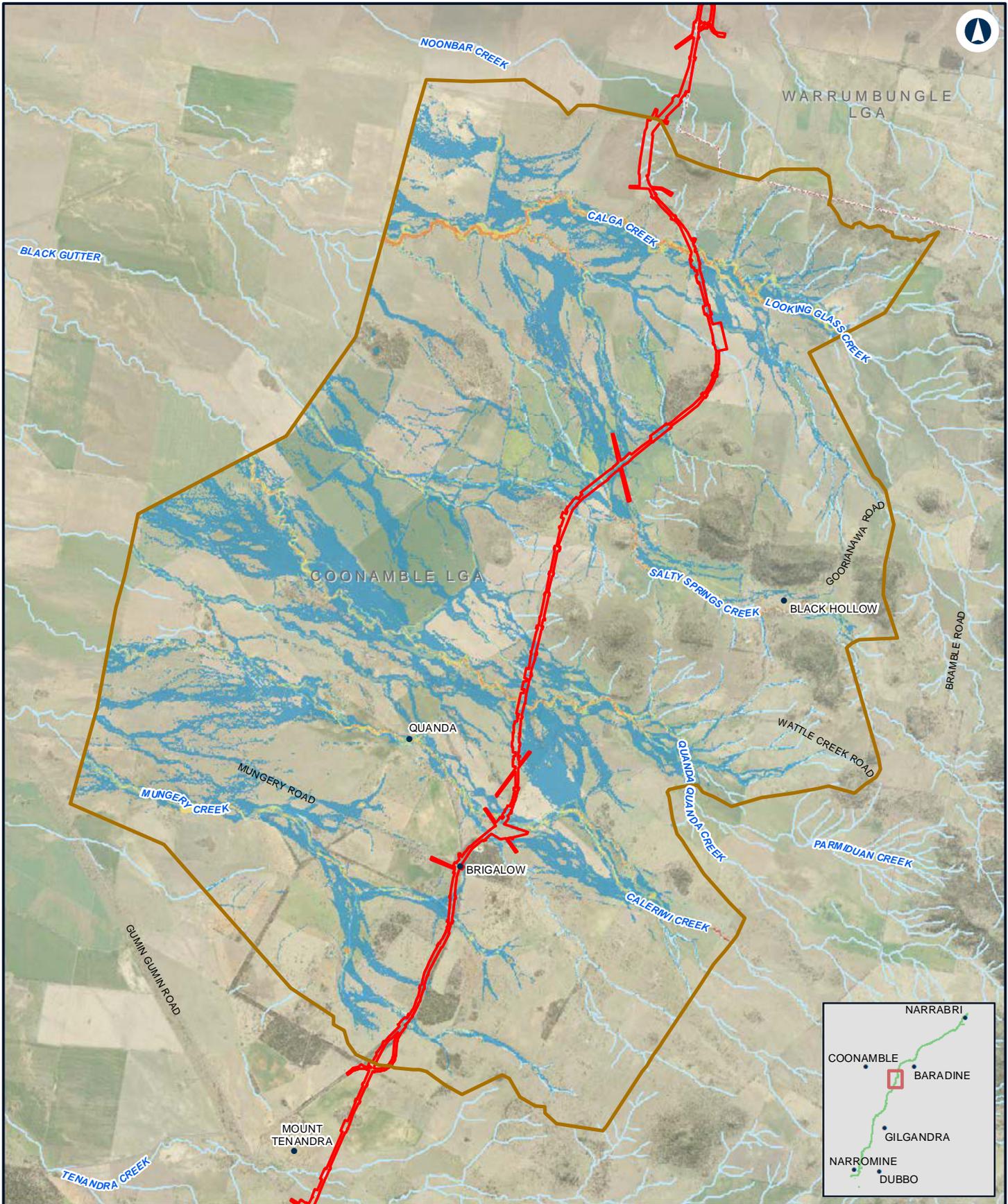
- The proposal site
- Model boundary

**Flood hazard**

- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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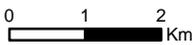
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N8

Appendix D - Figure 4.3g



Coordinate System: GDA 1994 MGA Zone 55  
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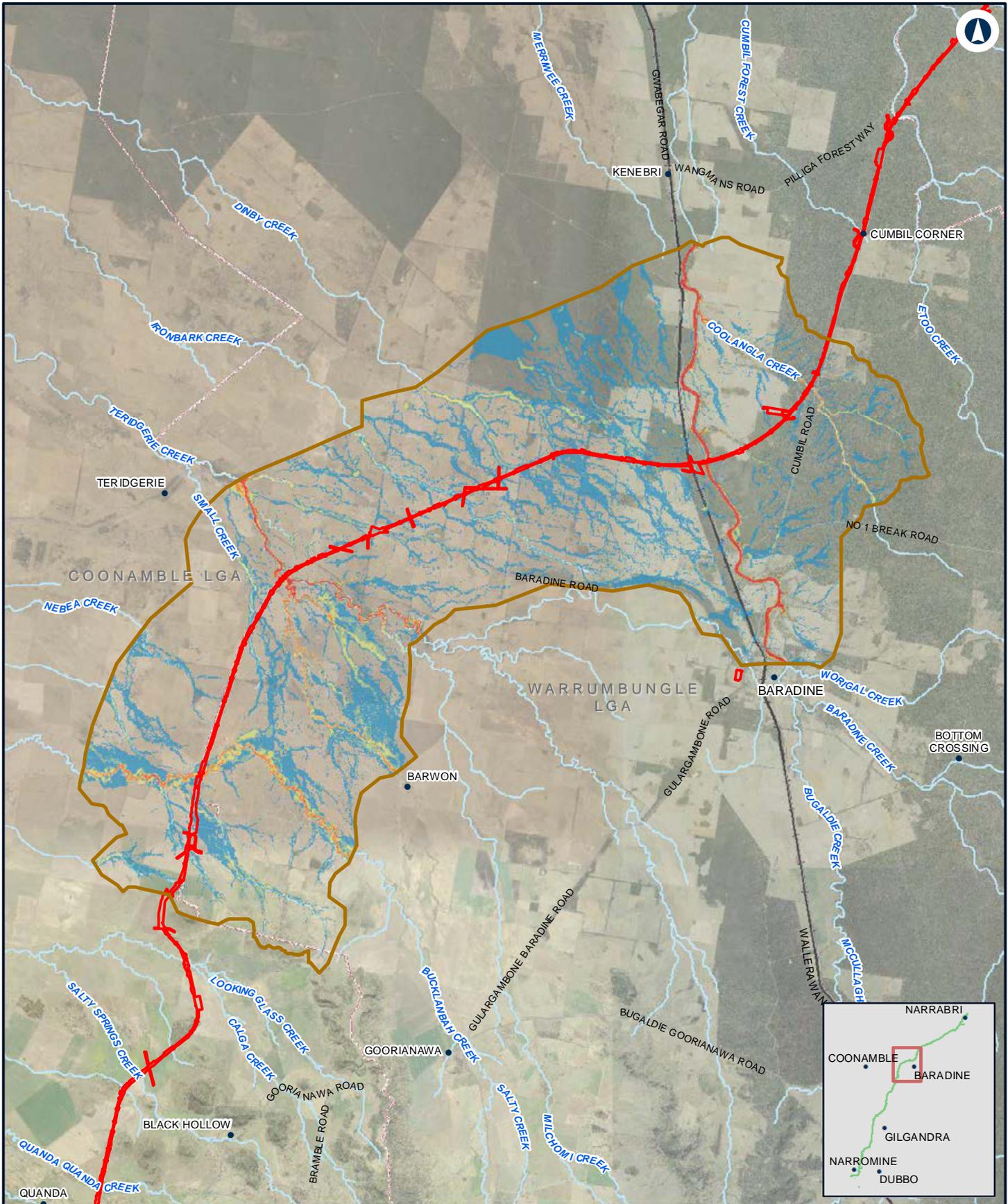
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:100,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



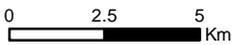
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N7

Appendix D - Figure 4.3h



Coordinate System: GDA 1994 MGA Zone 55  
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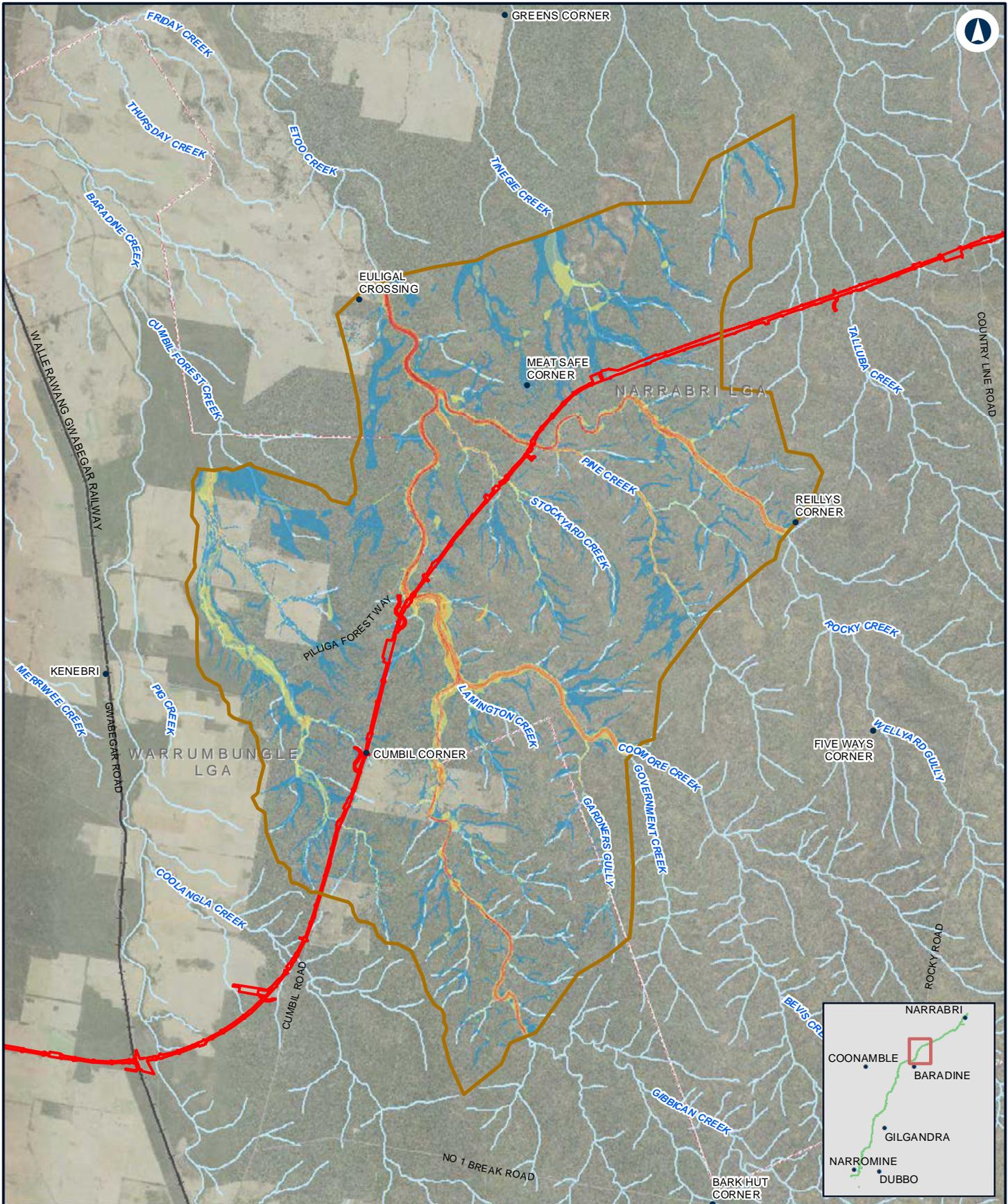
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:200,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N6

Appendix D - Figure 4.3i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary

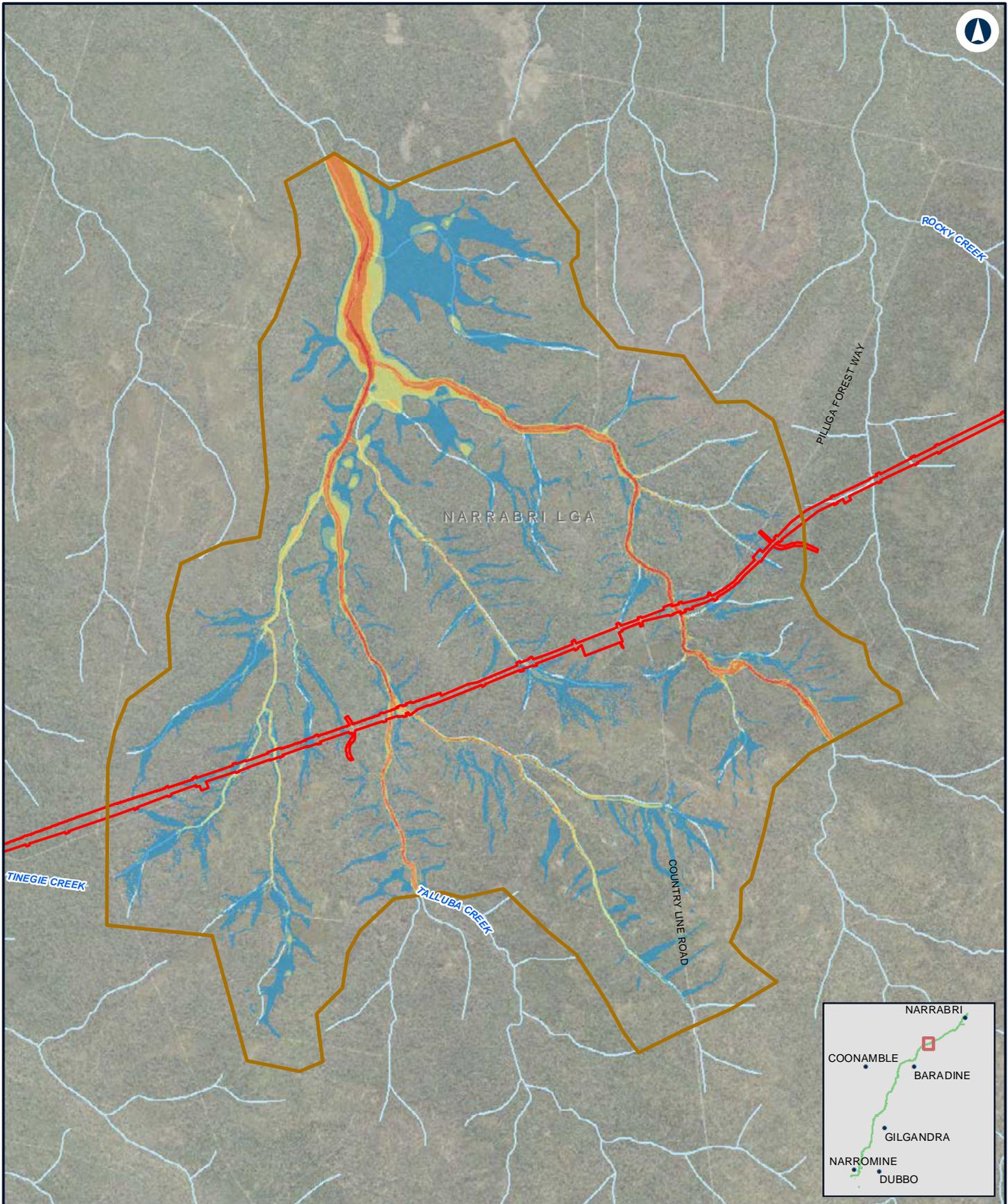
**Flood hazard**

- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

**INLAND RAIL**

**ARTC**

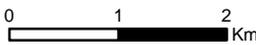
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N5

Appendix D - Figure 4.3j

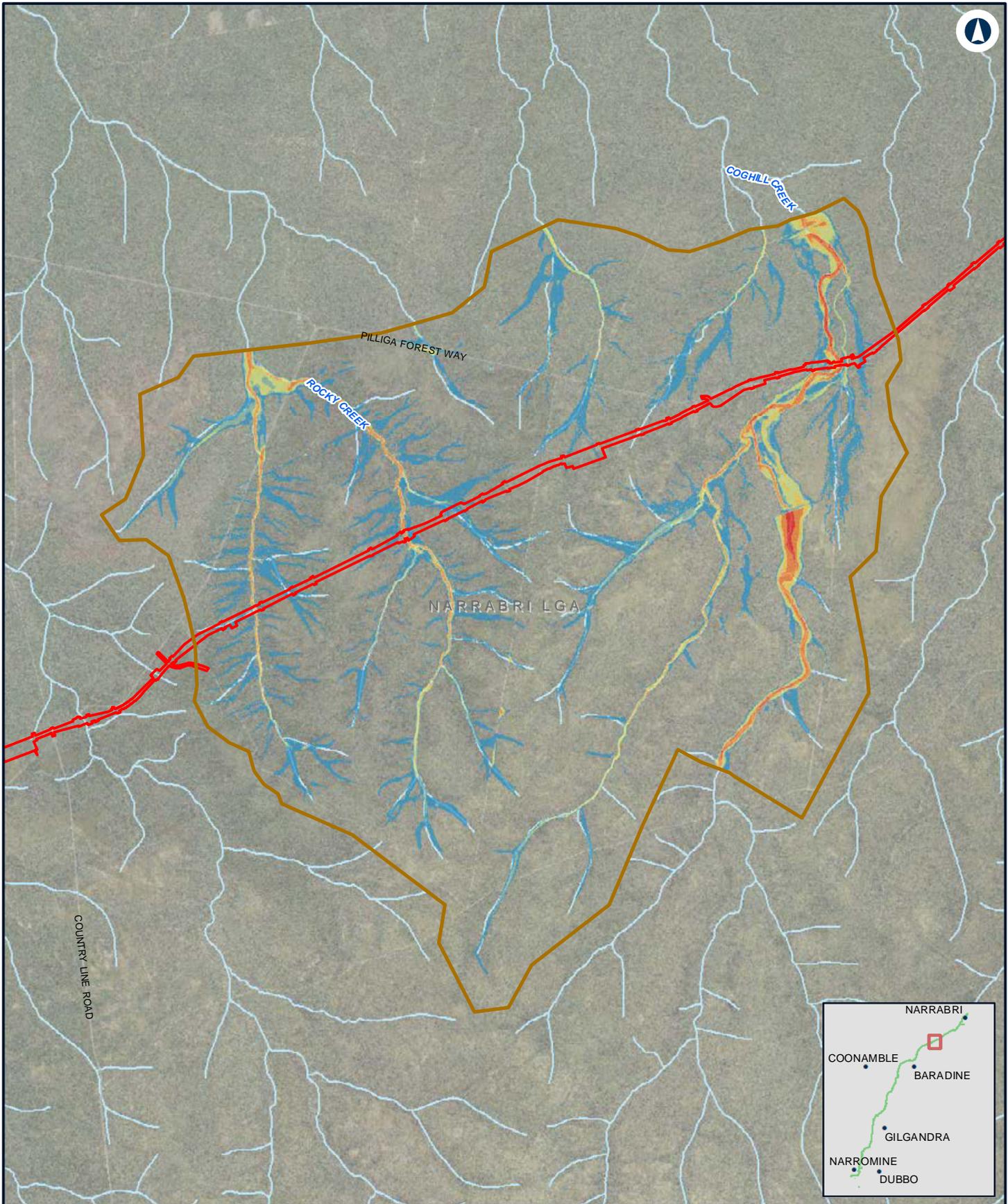


Coordinate System: GDA 1994 MGA Zone 55  
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 Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:70,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- LEGEND**
- The proposal site
  - Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
  - Unsafe for small vehicles
  - Unsafe for vehicles, children and the elderly
  - Unsafe for vehicles and people
  - Unsafe for all people and all vehicles. Buildings require special engineering design and construction
  - Unconditionally dangerous



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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N4

Appendix D - Figure 4.3k



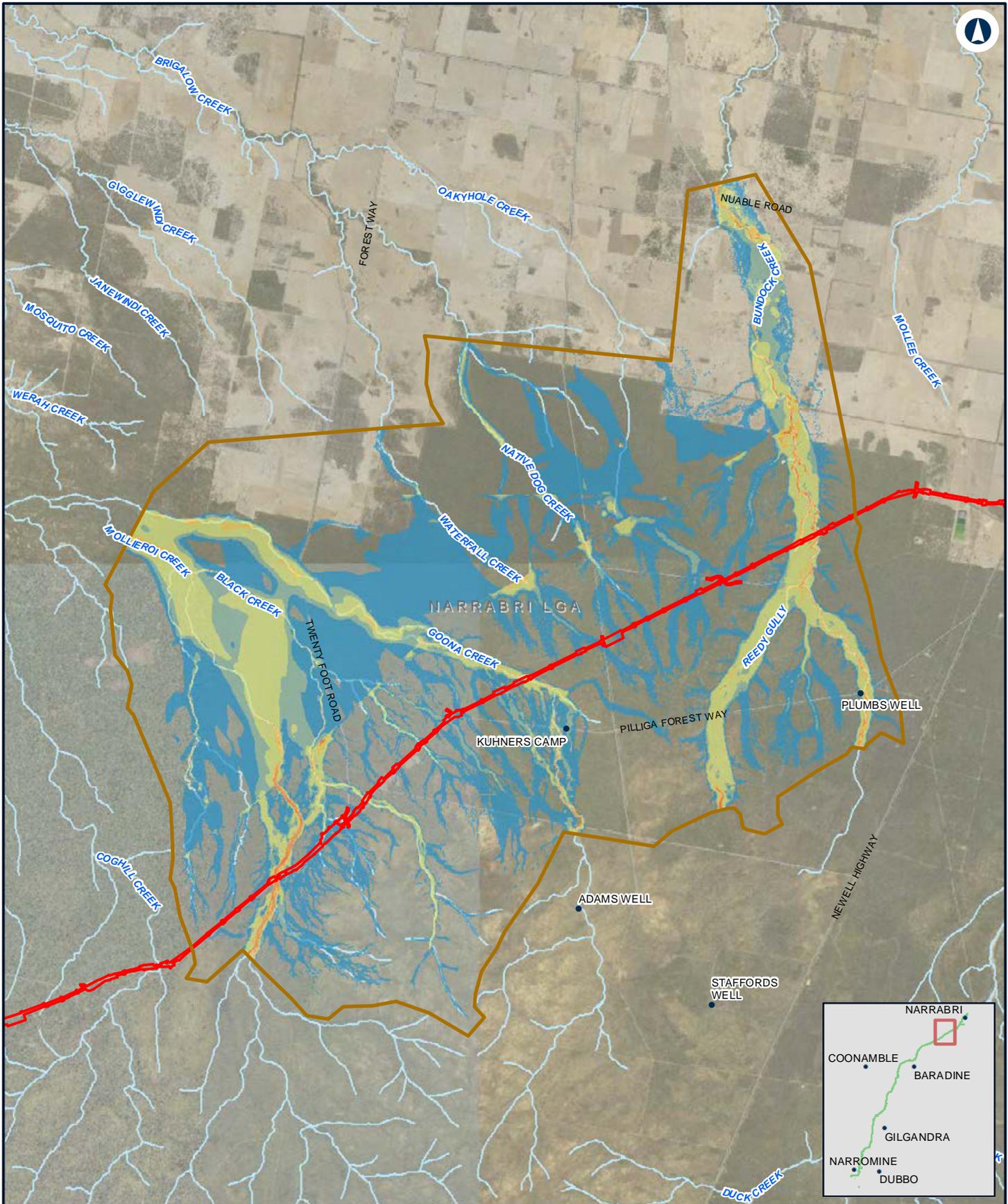
Coordinate System: GDA 1994 MGA Zone 55  
 ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.

Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:80,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- LEGEND**
- The proposal site
  - Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
  - Unsafe for small vehicles
  - Unsafe for vehicles, children and the elderly
  - Unsafe for vehicles and people
  - Unsafe for all people and all vehicles. Buildings require special engineering design and construction
  - Unconditionally dangerous



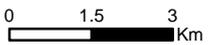
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N23

Appendix D - Figure 4.31



Coordinate System: GDA 1994 MGA Zone 55  
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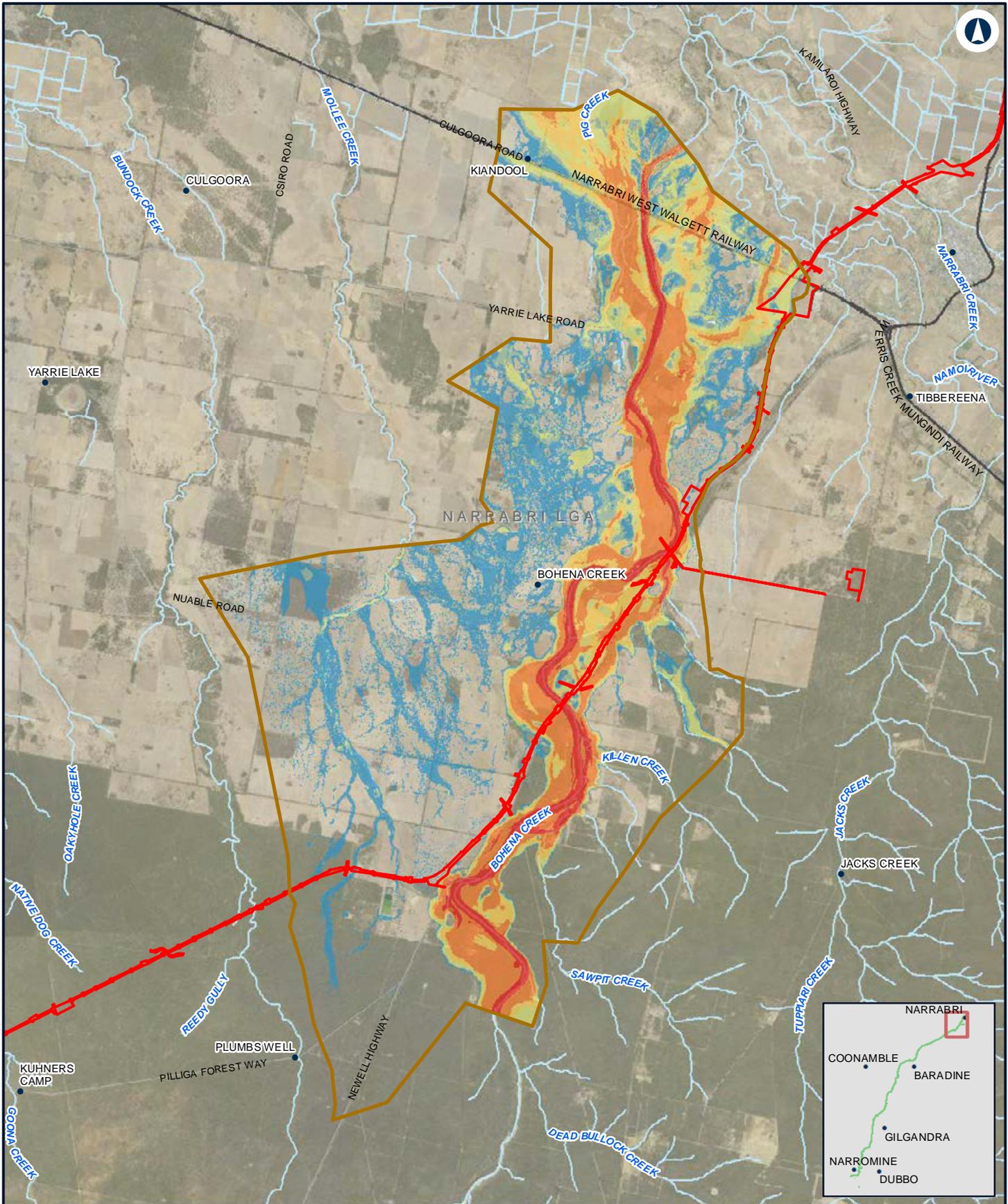
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



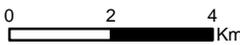
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**NARROMINE TO NARRABRI**

Existing flood hazard - 2% AEP - N2N1

Appendix D - Figure 4.3m



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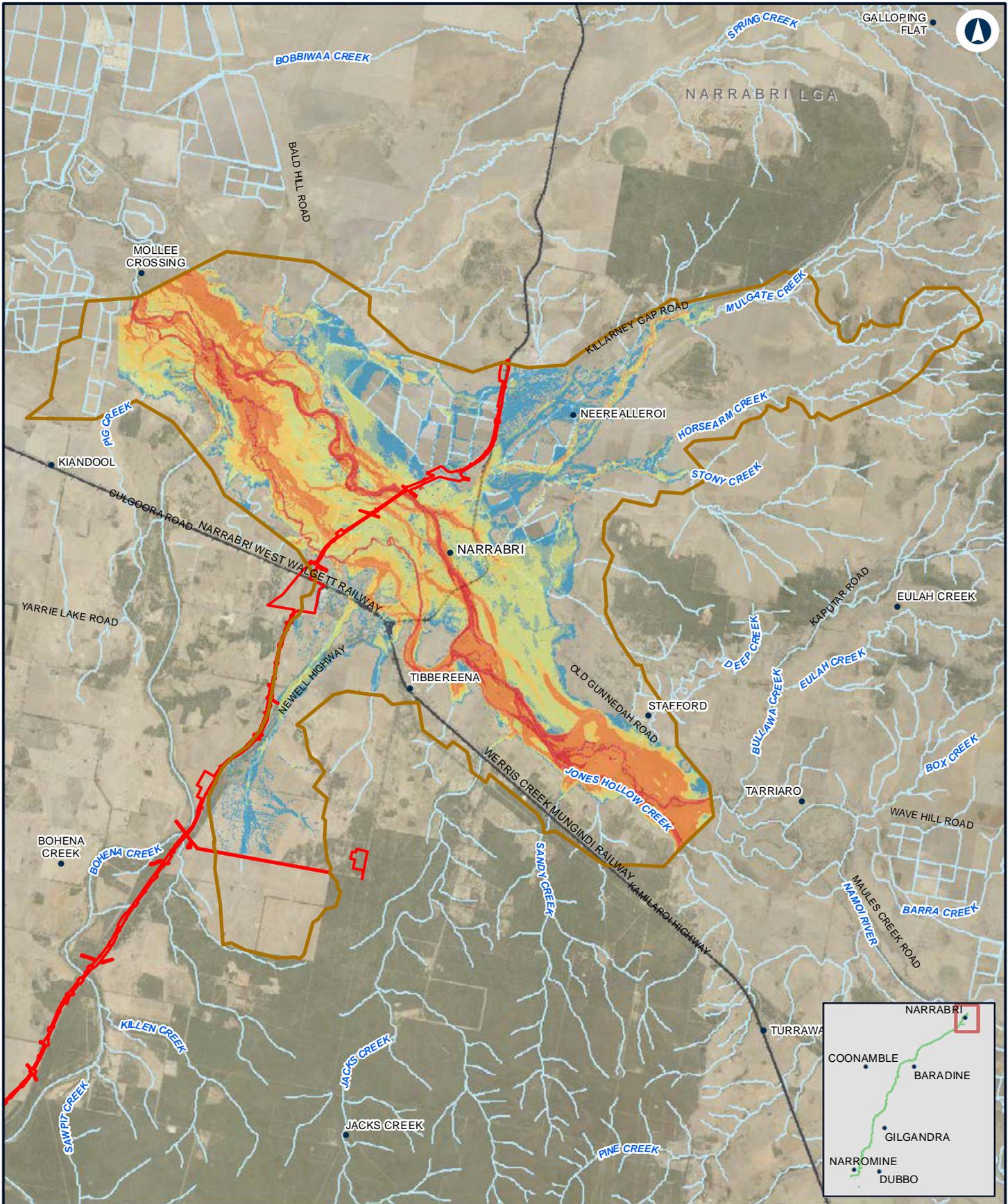
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



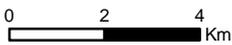
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 2% AEP - Narrabri**

Appendix D - Figure 4.3n



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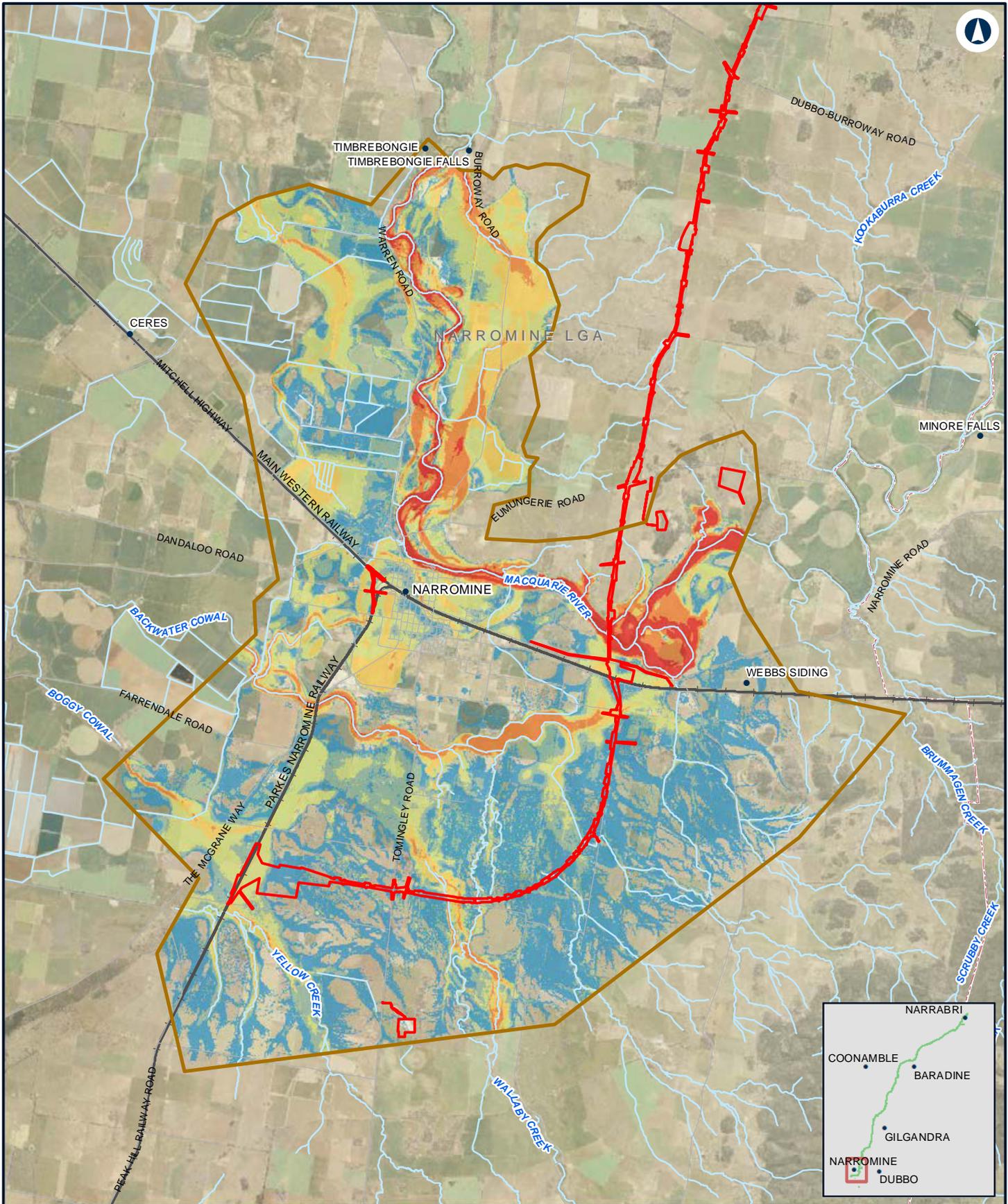
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:160,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Flood hazard**
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



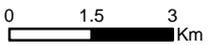
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - NFM

Appendix D - Figure 4.4a



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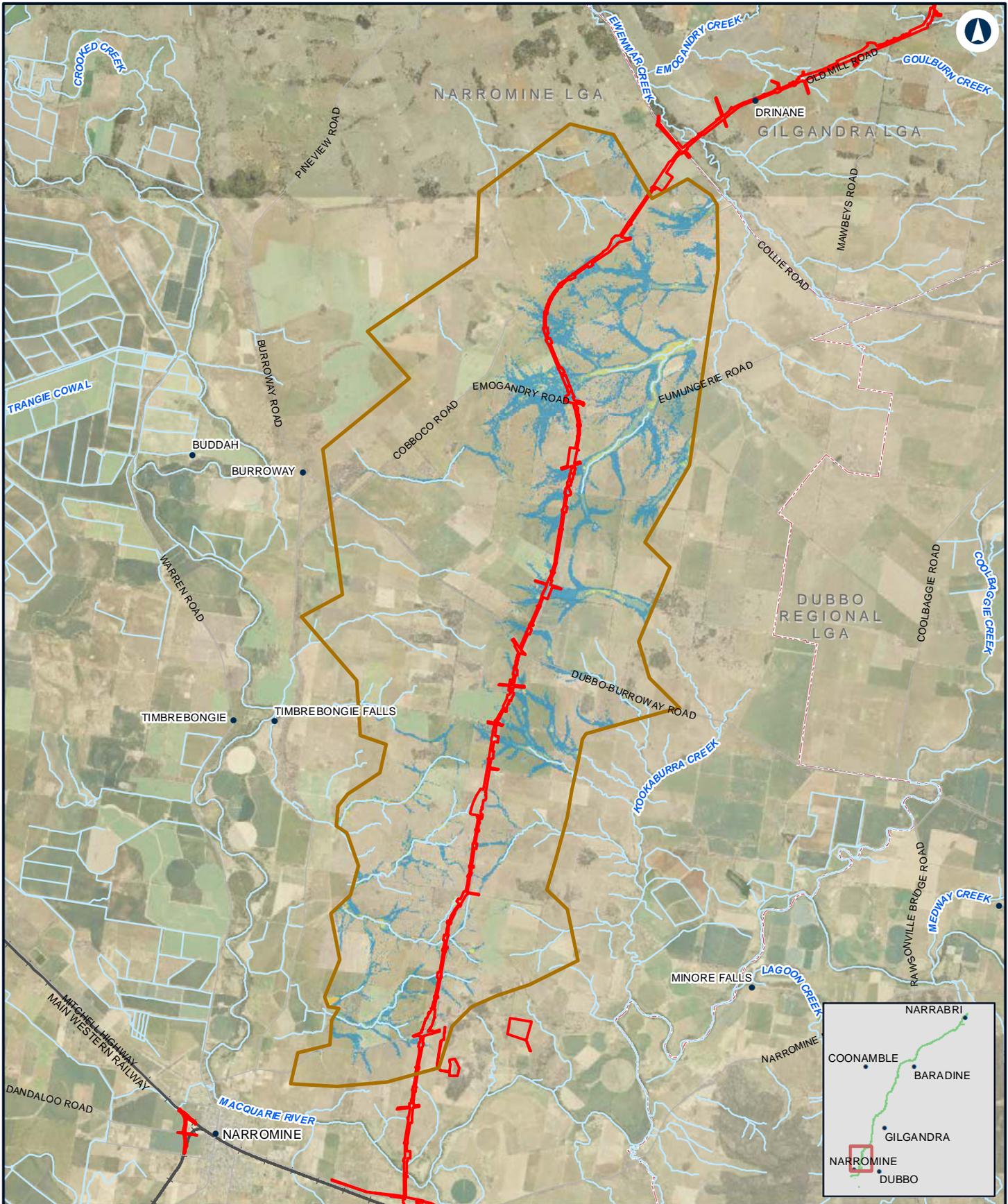
Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



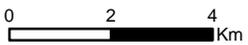
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N14

Appendix D - Figure 4.4b



Coordinate System: GDA 1994 MGA Zone 55  
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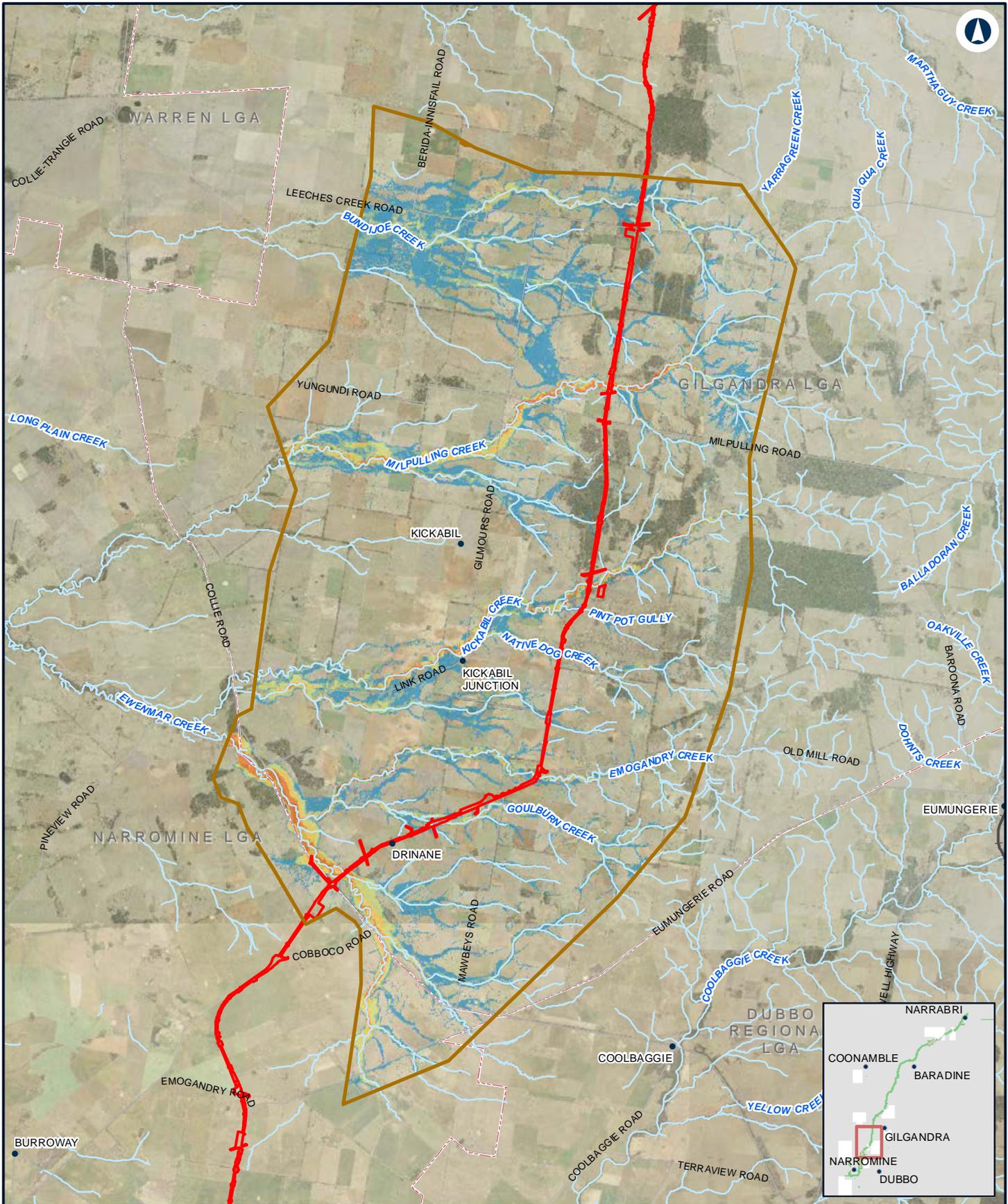
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



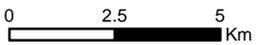
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N13

Appendix D - Figure 4.4c



Coordinate System: GDA 1994 MGA Zone 55  
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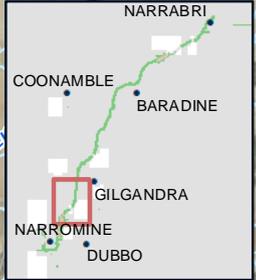
Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:180,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

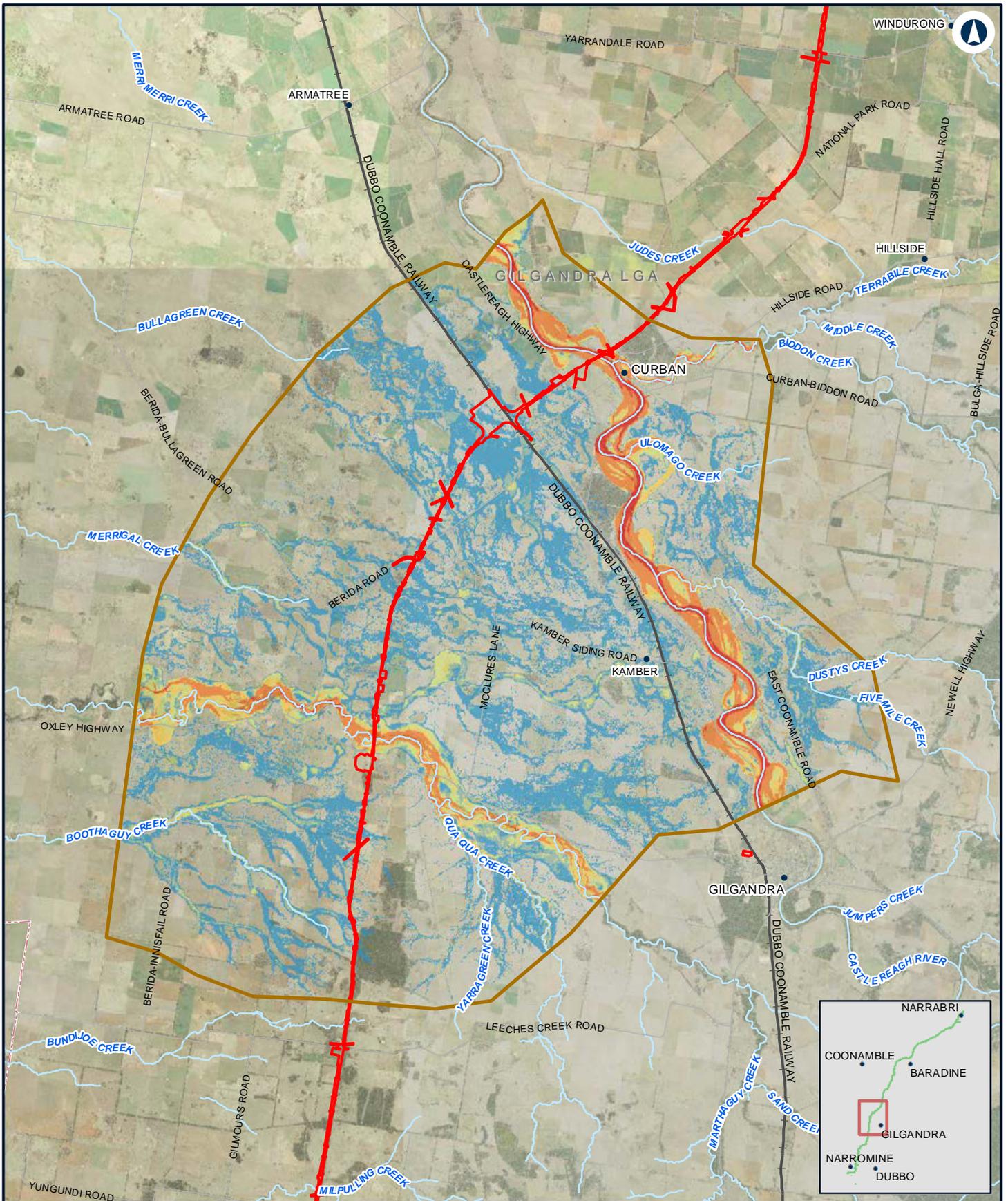
**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N11N12

Appendix D - Figure 4.4d



Coordinate System: GDA 1994 MGA Zone 55

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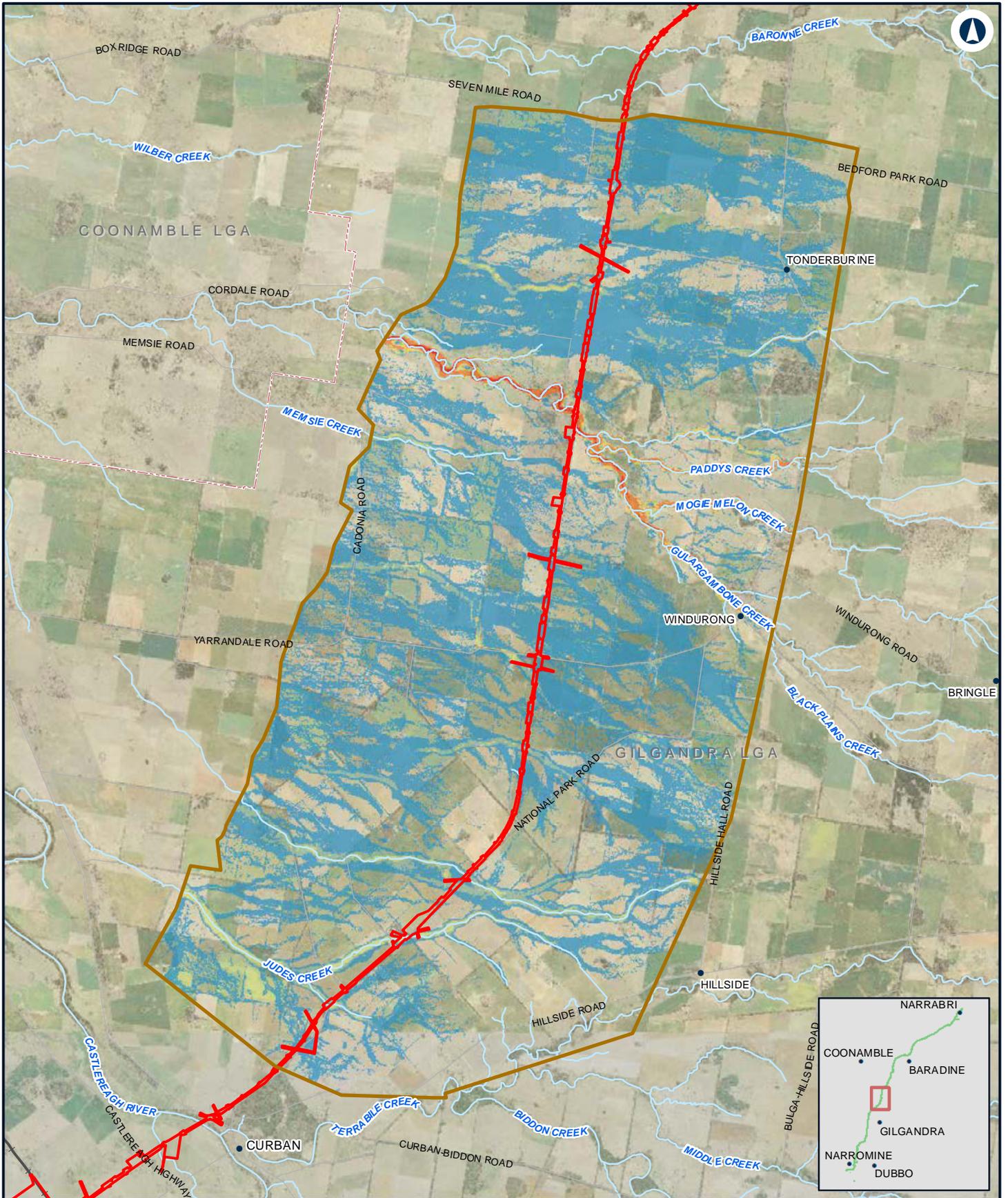
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N10

Appendix D - Figure 4.4e

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:130,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

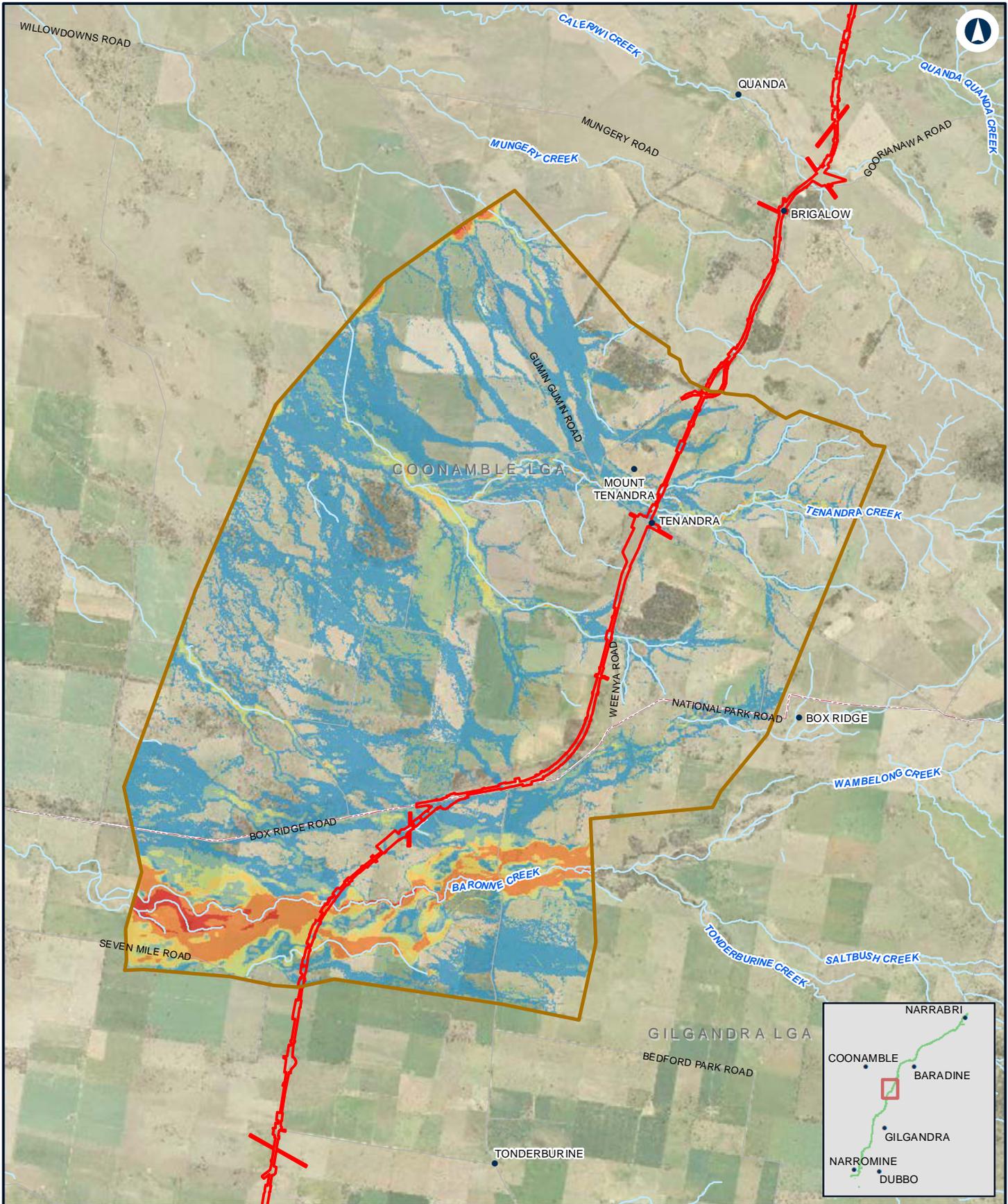
**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

**INLAND RAIL**

**ARTC**

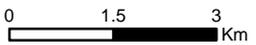
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N9

Appendix D - Figure 4.4f



**LEGEND**

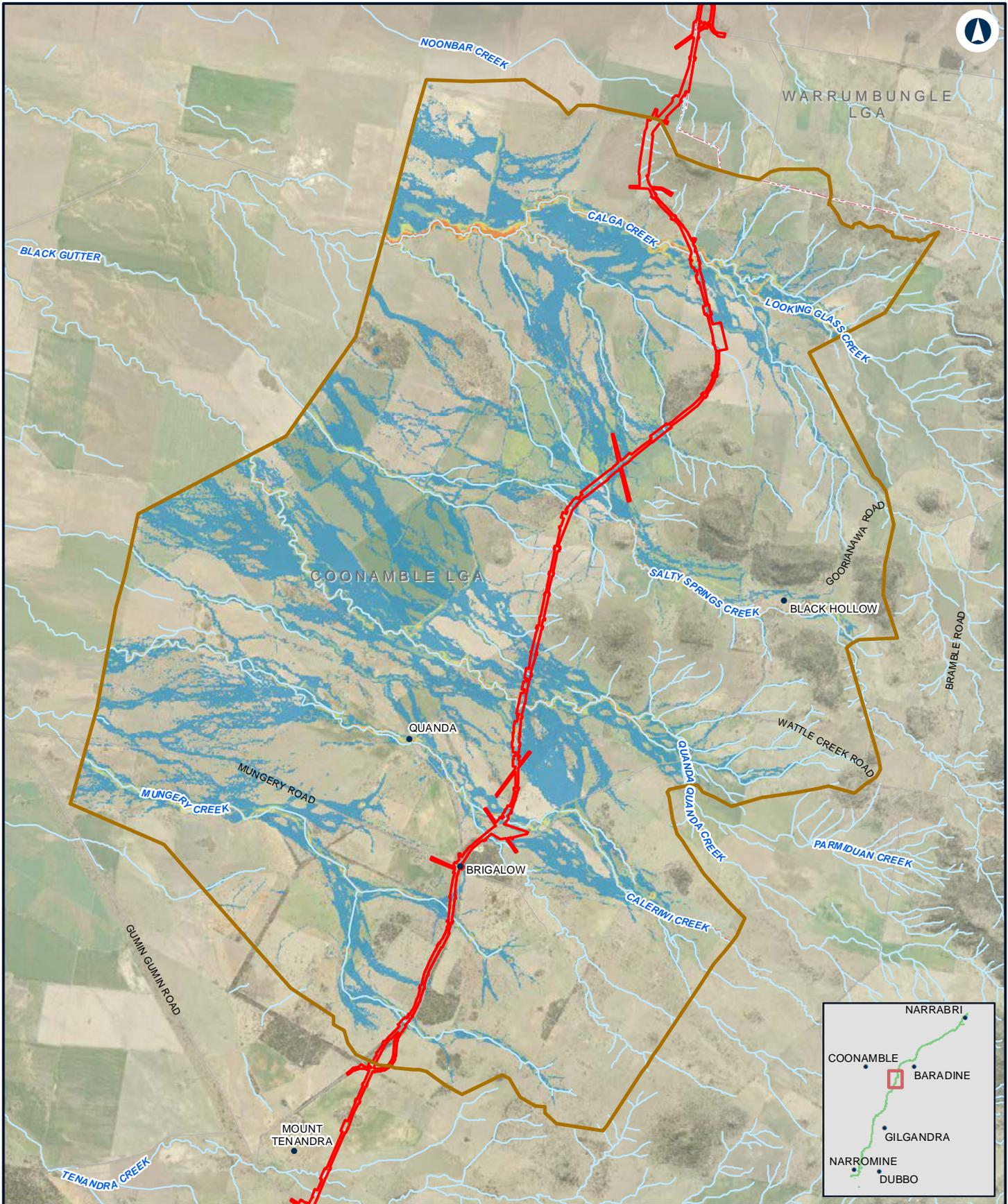
- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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Coordinate System: GDA 1994 MGA Zone 55  
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Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:110,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



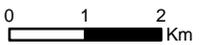
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N8

Appendix D - Figure 4.4g



Coordinate System: GDA 1994 MGA Zone 55  
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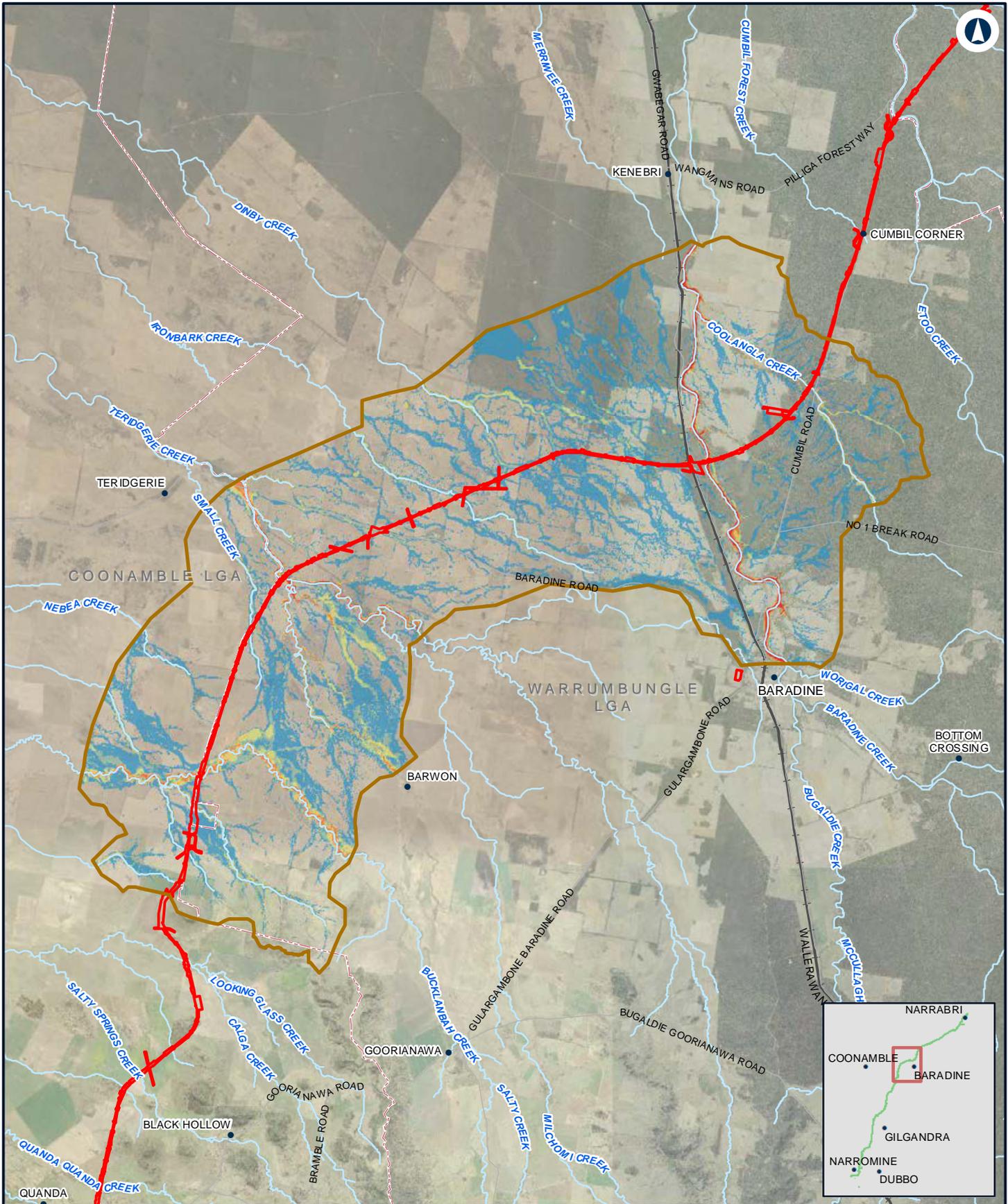
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



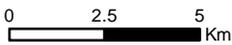
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N7

Appendix D - Figure 4.4h



Coordinate System: GDA 1994 MGA Zone 55  
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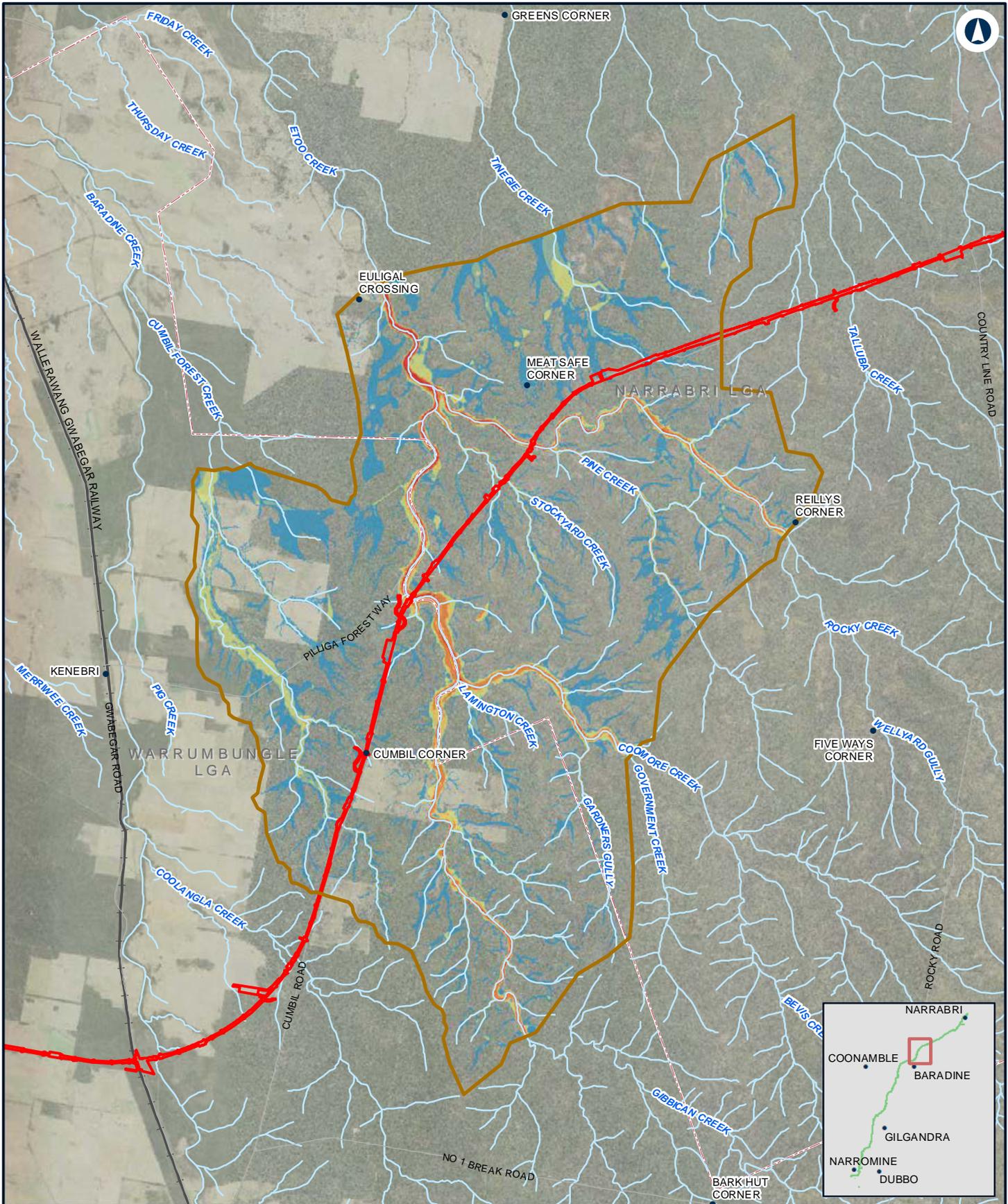
Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:200,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



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**NARROMINE TO NARRABRI**

**Existing flood hazard - 1% AEP - N2N6**

Appendix D - Figure 4.4i

0 2 4 Km  
 Coordinate System: GDA 1994 MGA Zone 55  
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 Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

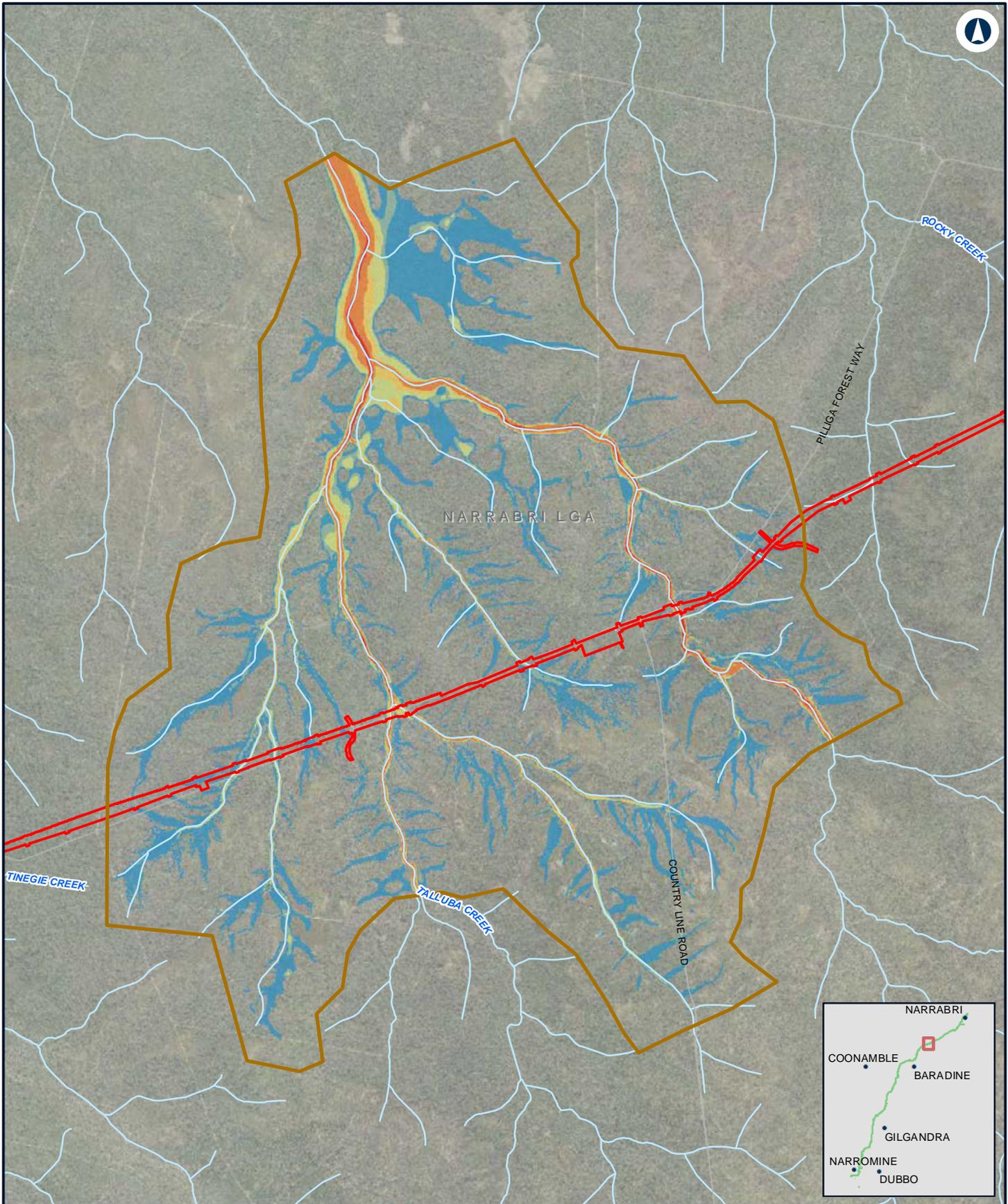
**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

**INLAND RAIL**

**ARTC**

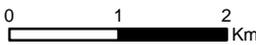
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 1% AEP - N2N5**

Appendix D - Figure 4.4j



Coordinate System: GDA 1994 MGA Zone 55  
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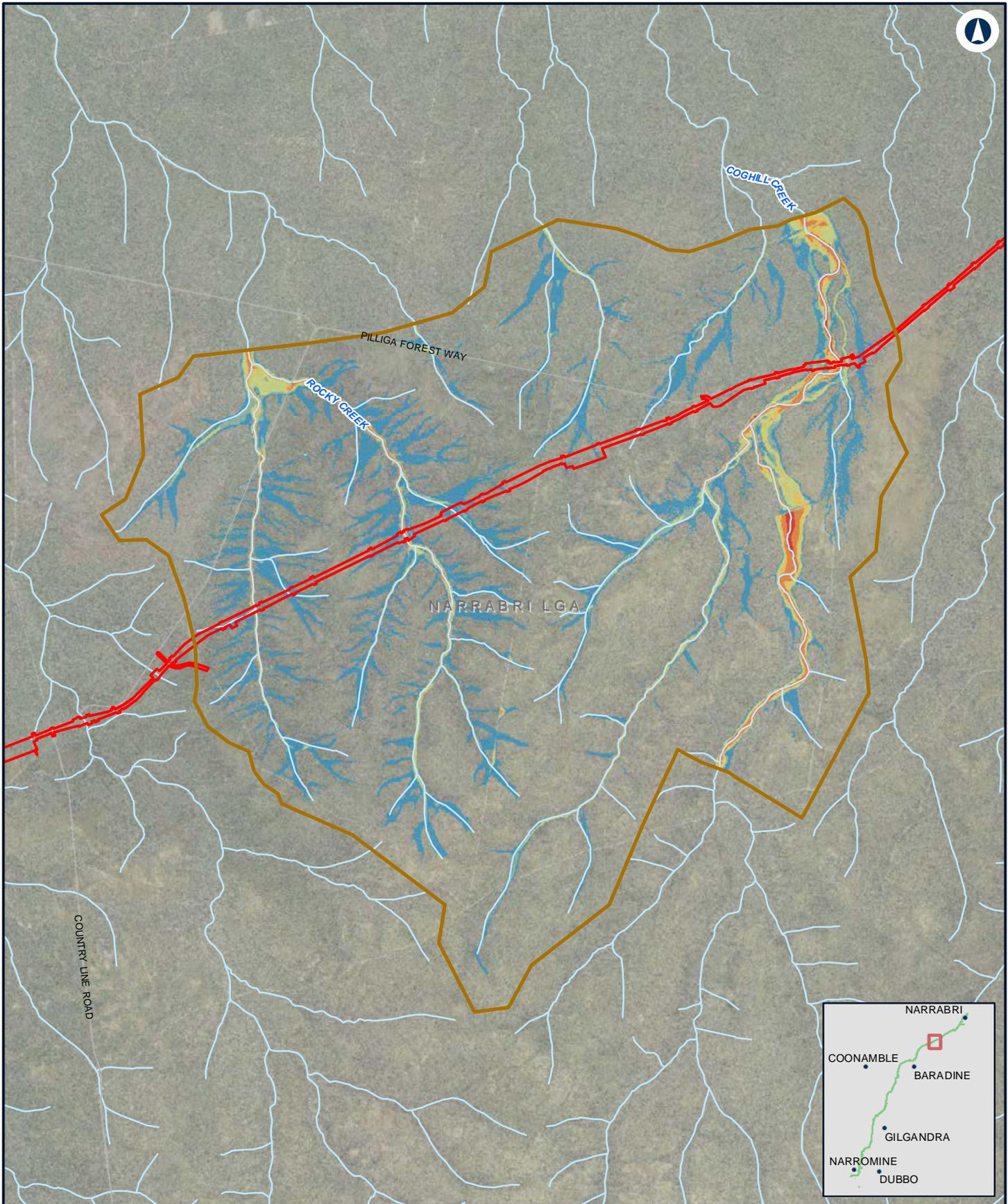
**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:70,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N4

Appendix D - Figure 4.4k



Coordinate System: GDA 1994 MGA Zone 55  
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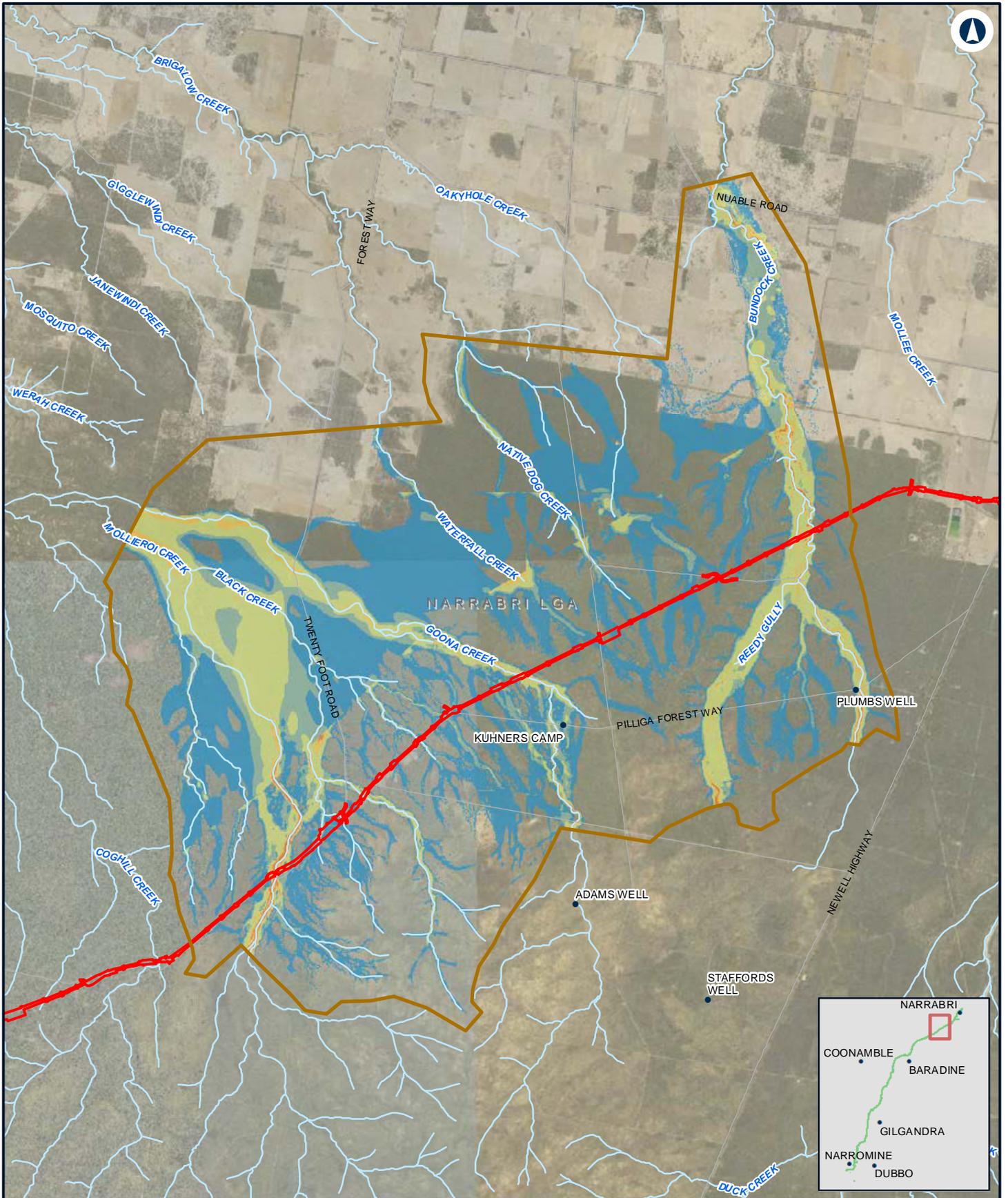
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:80,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
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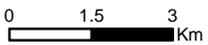
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N23

Appendix D - Figure 4.41



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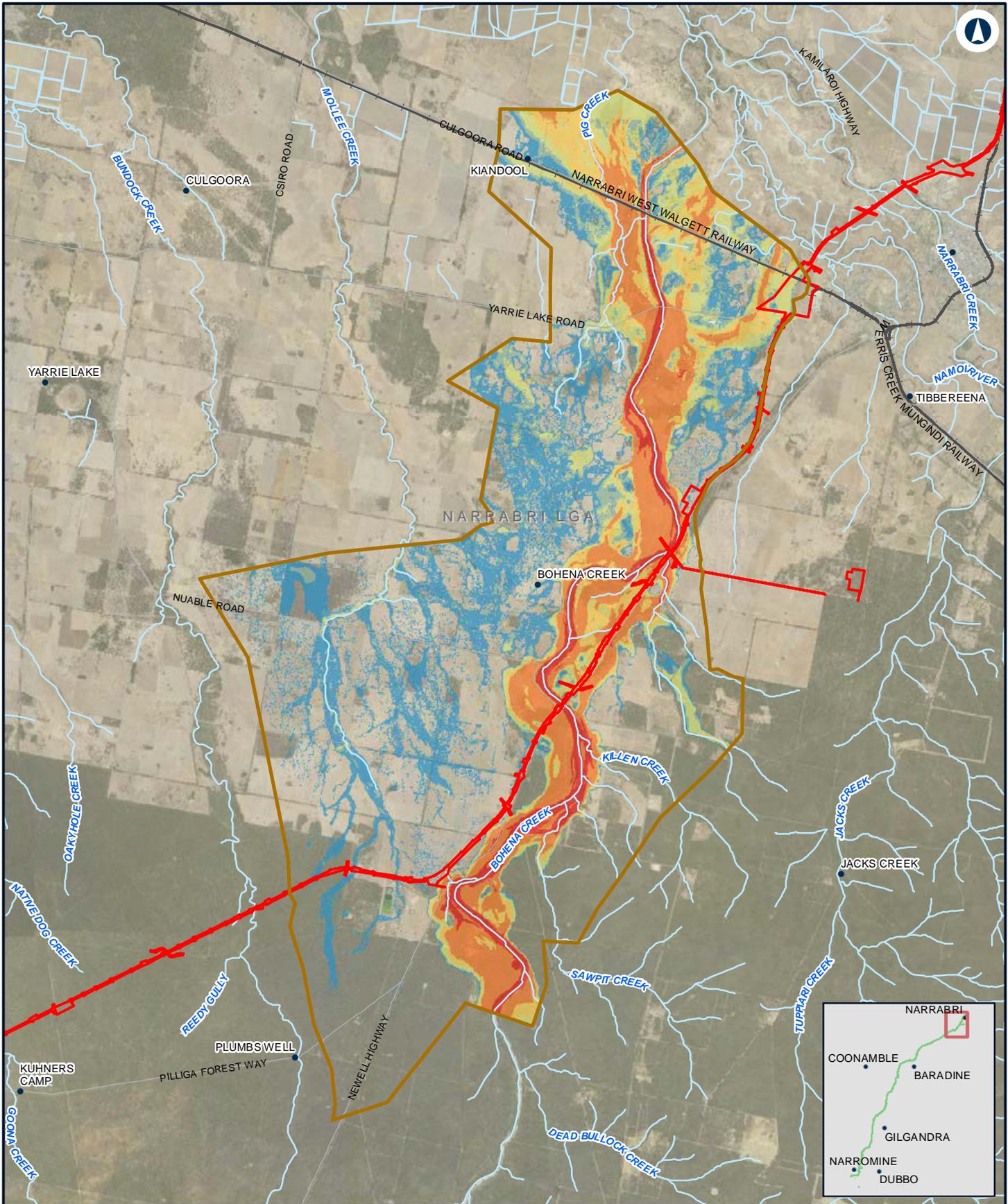
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
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- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP - N2N1

Appendix D - Figure 4.4m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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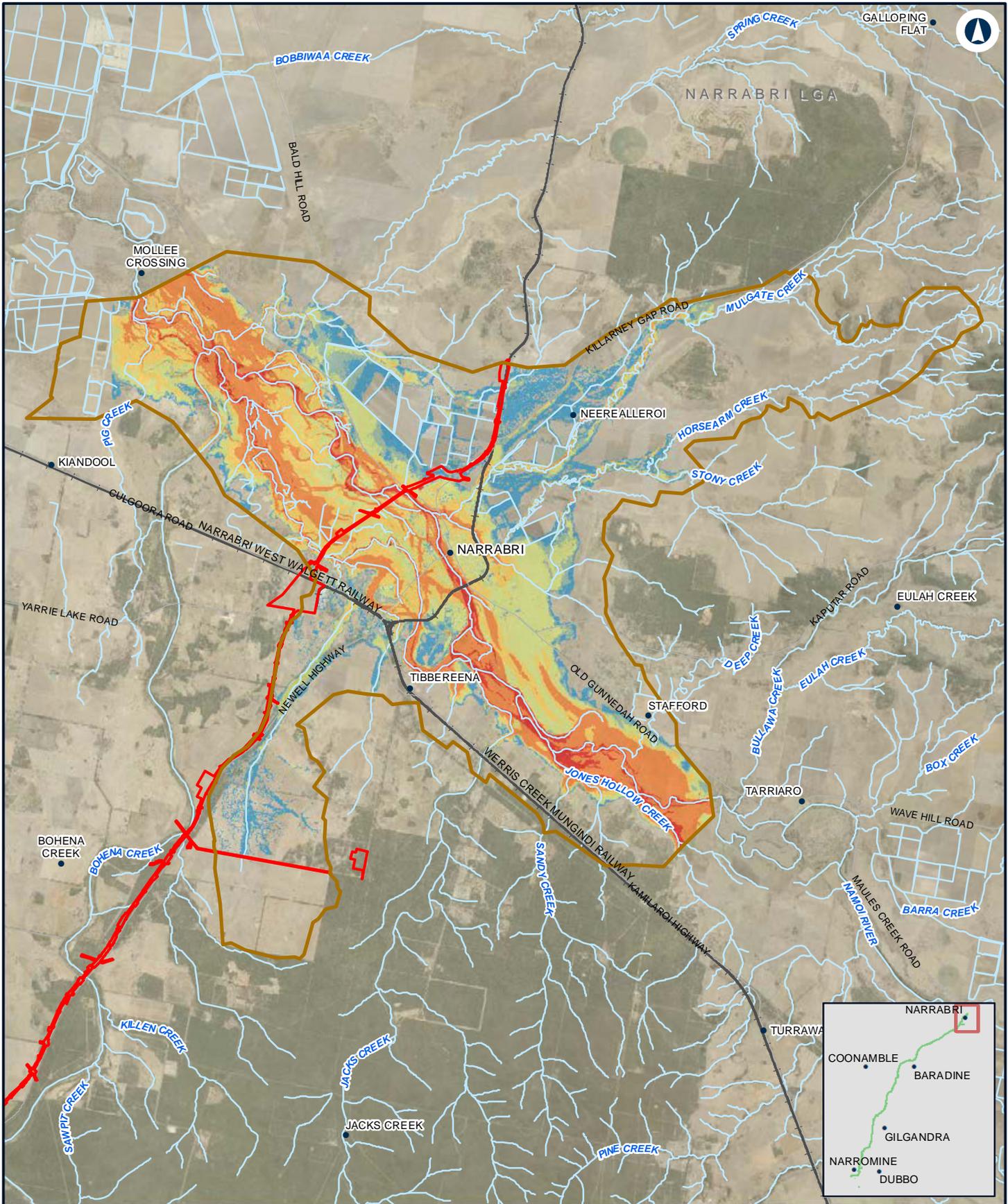
Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- LEGEND**
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**INLAND RAIL**

**ARTC**

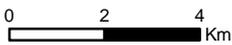
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 1% AEP - Narrabri**

Appendix D - Figure 4.4n



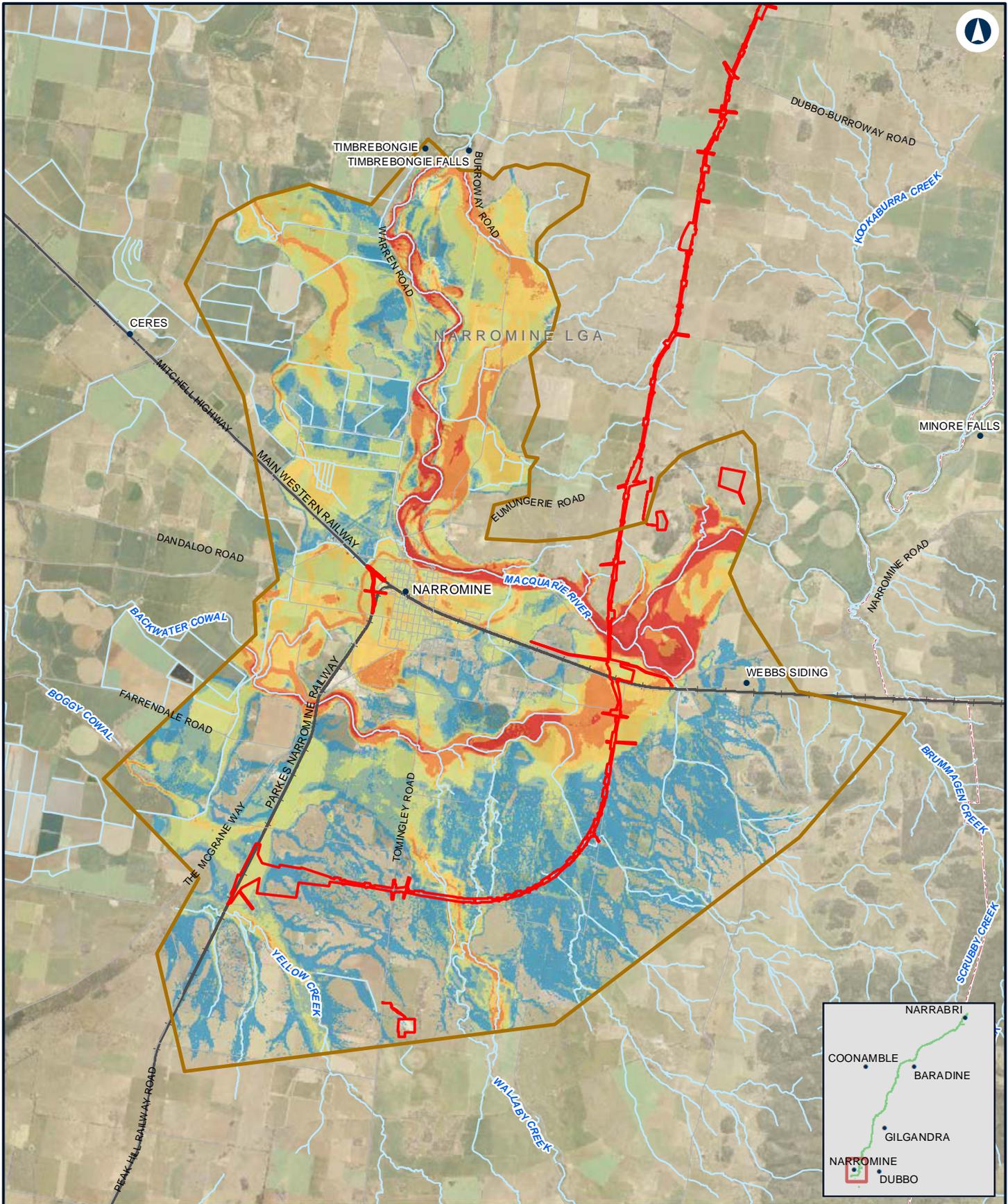
Coordinate System: GDA 1994 MGA Zone 55  
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 Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:160,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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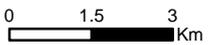
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - NFM

Appendix D - Figure 4.5a



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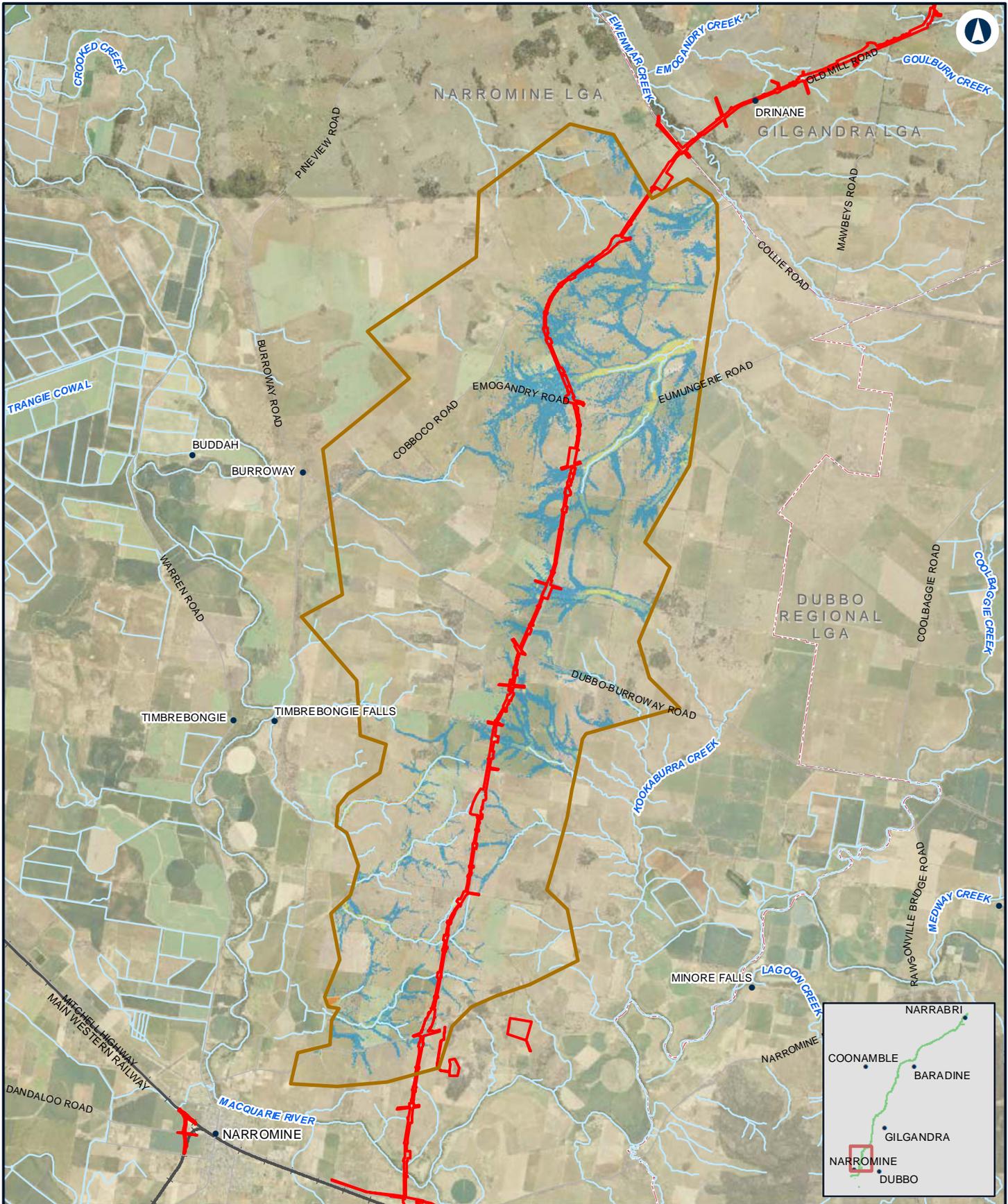
Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - N2N14

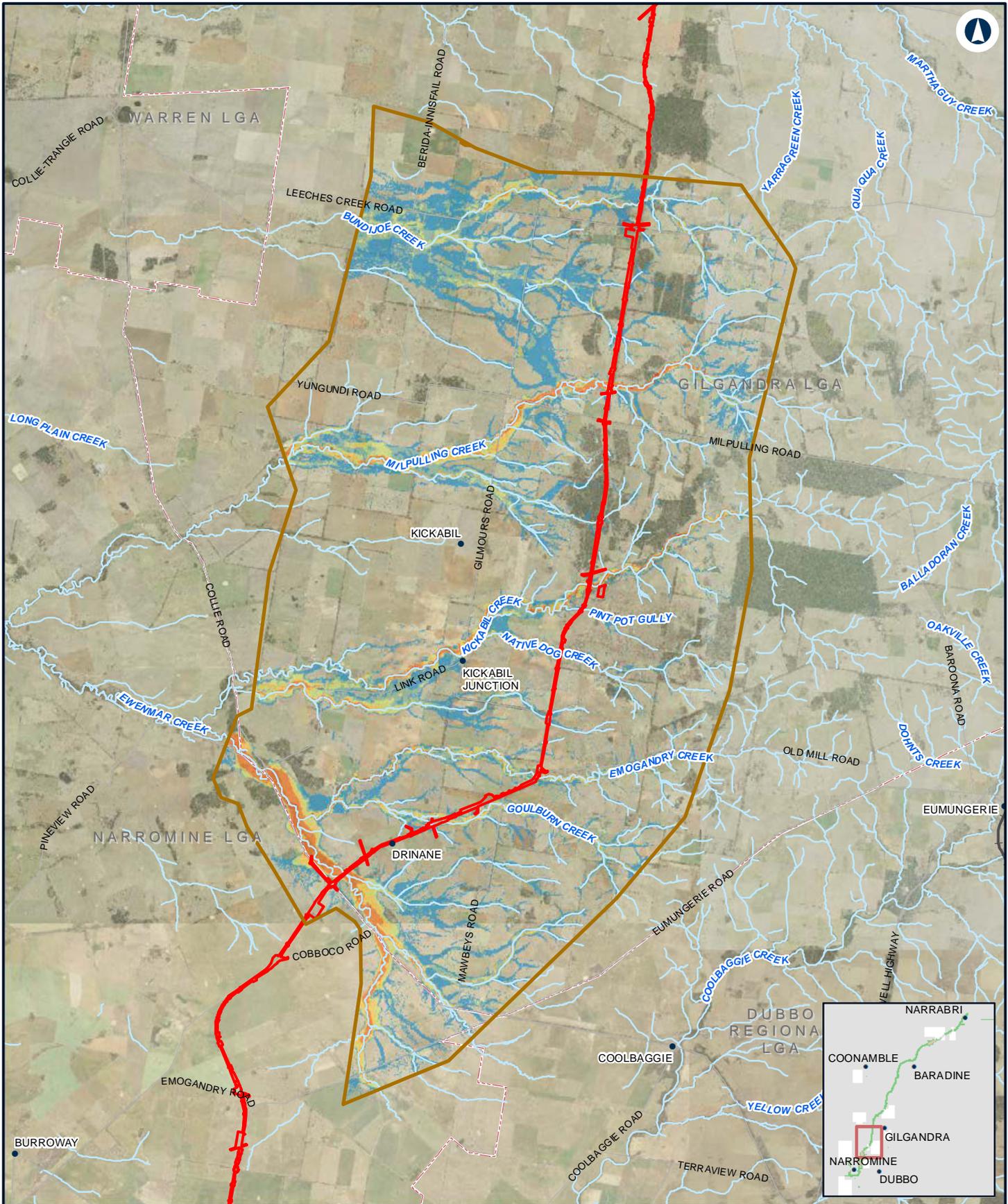
Appendix D - Figure 4.5b

0 2 4 Km  
 Coordinate System: GDA 1994 MGA Zone 55  
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 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- LEGEND**
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  - Unconditionally dangerous



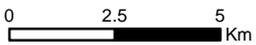
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - N2N13

Appendix D - Figure 4.5c



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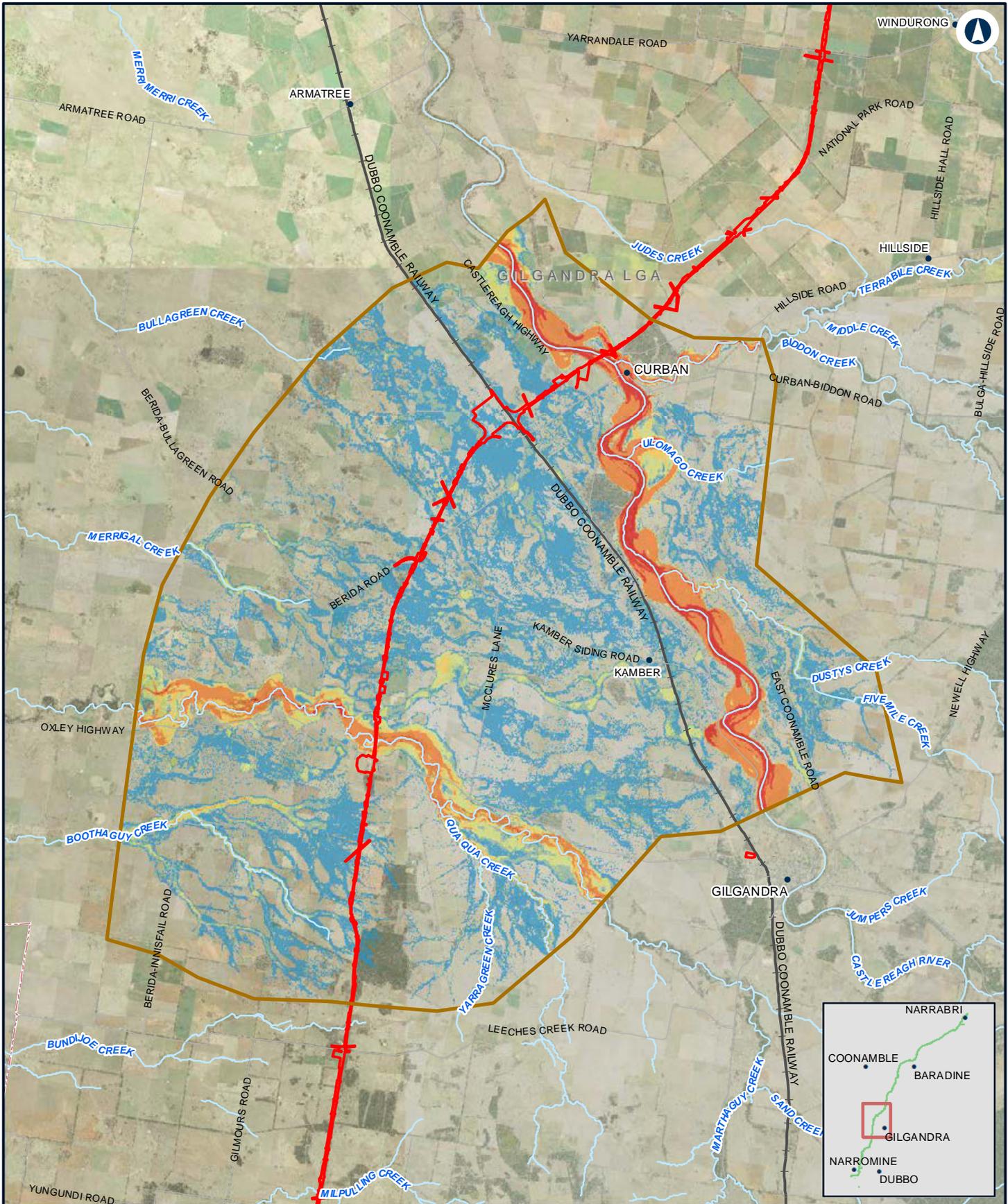
Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:180,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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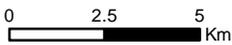
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - N2N11N12

Appendix D - Figure 4.5d



Coordinate System: GDA 1994 MGA Zone 55

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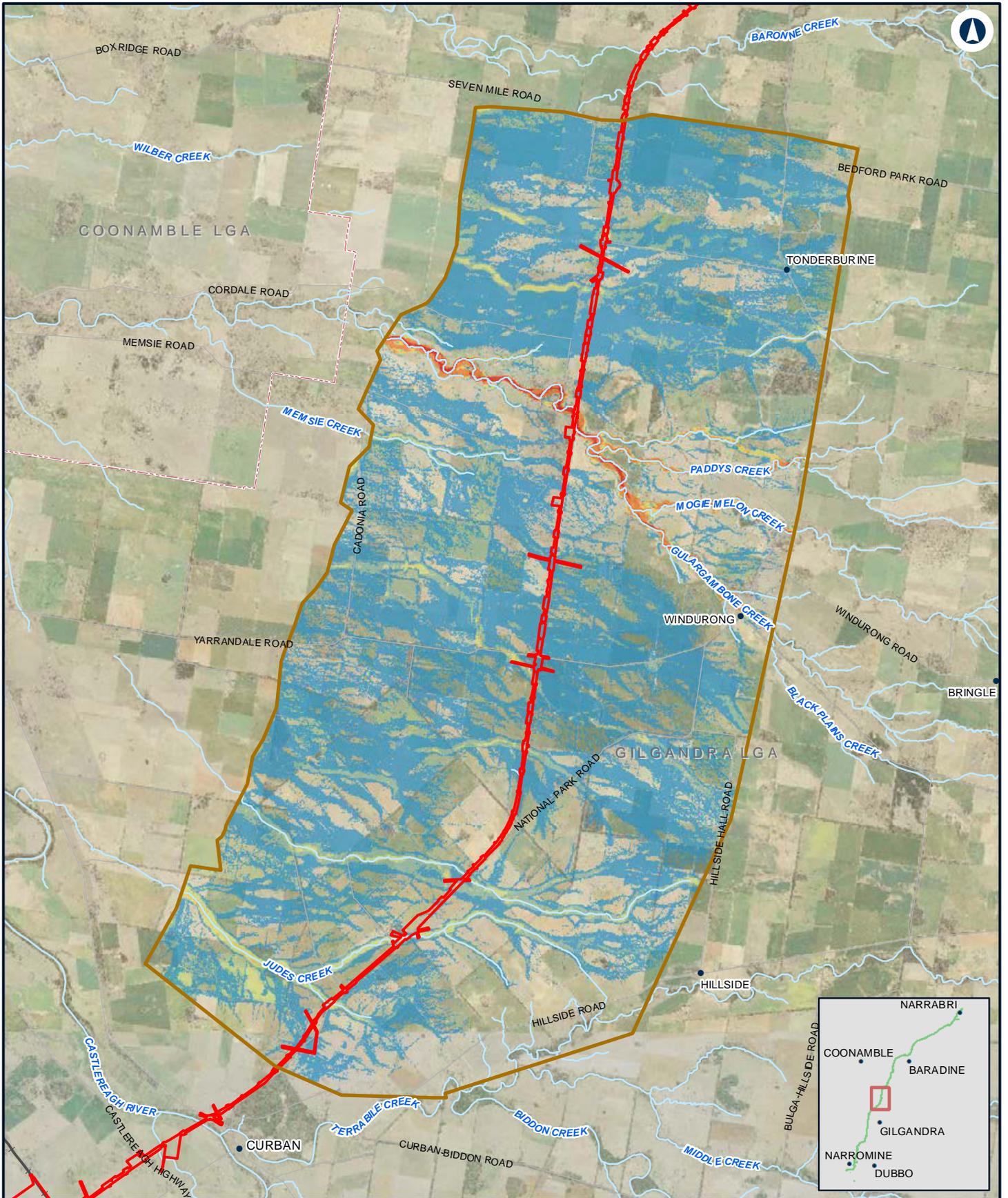
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

**Existing flood hazard - 1% AEP with climate change - N2N10**

Appendix D - Figure 4.5e



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Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

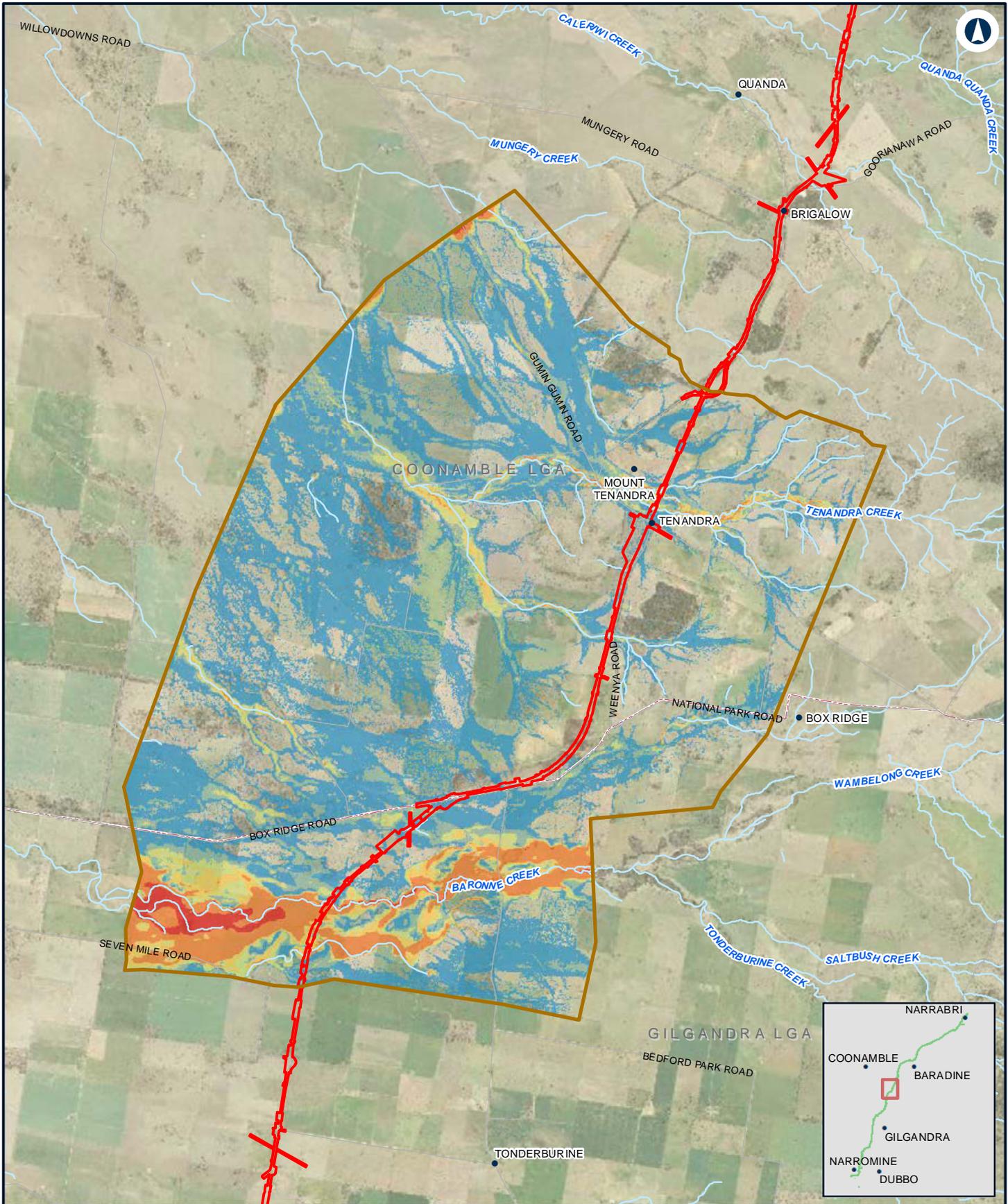
**LEGEND**

- The proposal site
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**INLAND RAIL**

**ARTC**

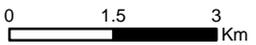
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - N2N9

Appendix D - Figure 4.5f



**LEGEND**

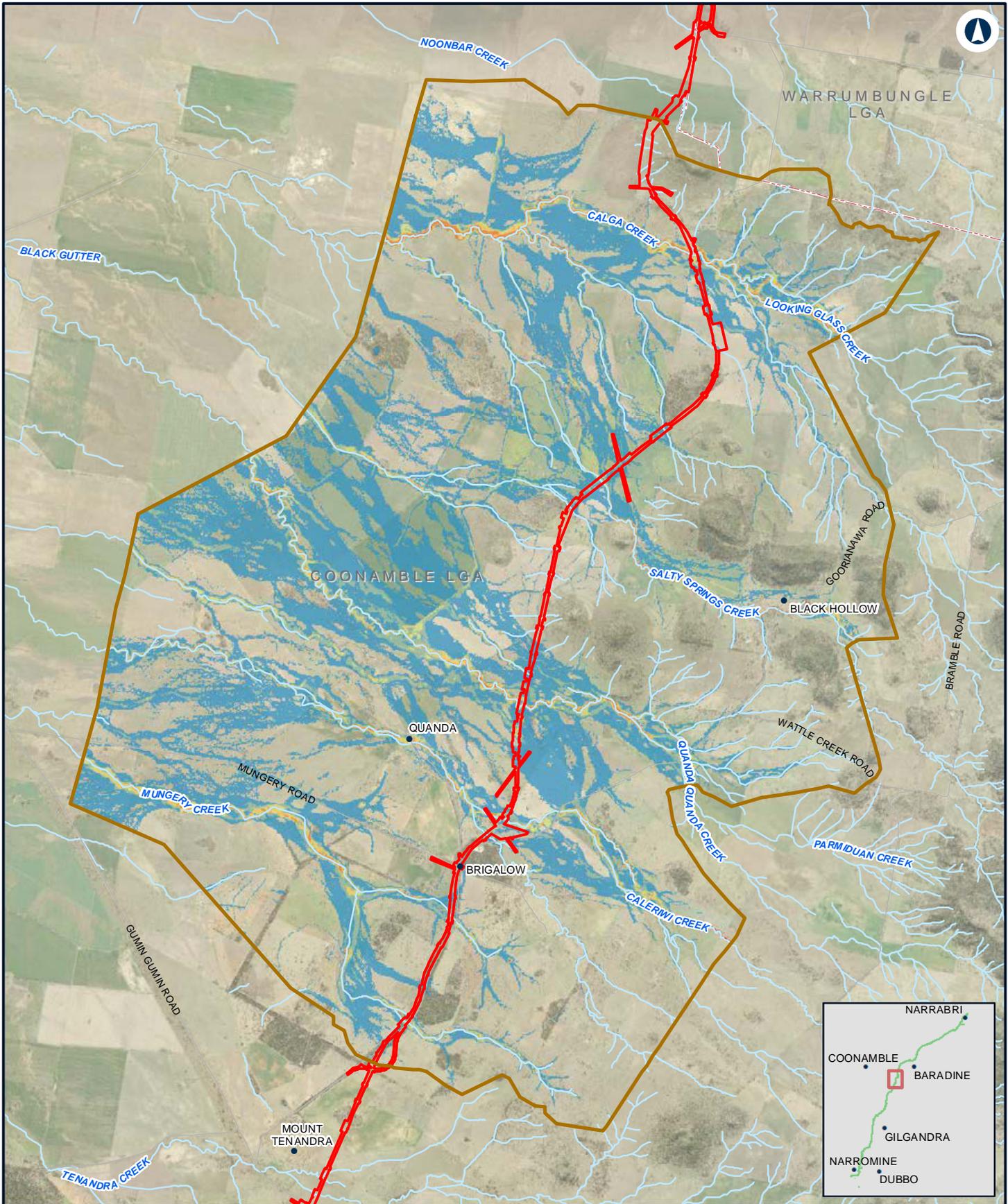
- The proposal site
- Model boundary
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Coordinate System: GDA 1994 MGA Zone 55  
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Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:110,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



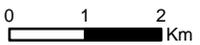
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - N2N8

Appendix D - Figure 4.5g



Coordinate System: GDA 1994 MGA Zone 55

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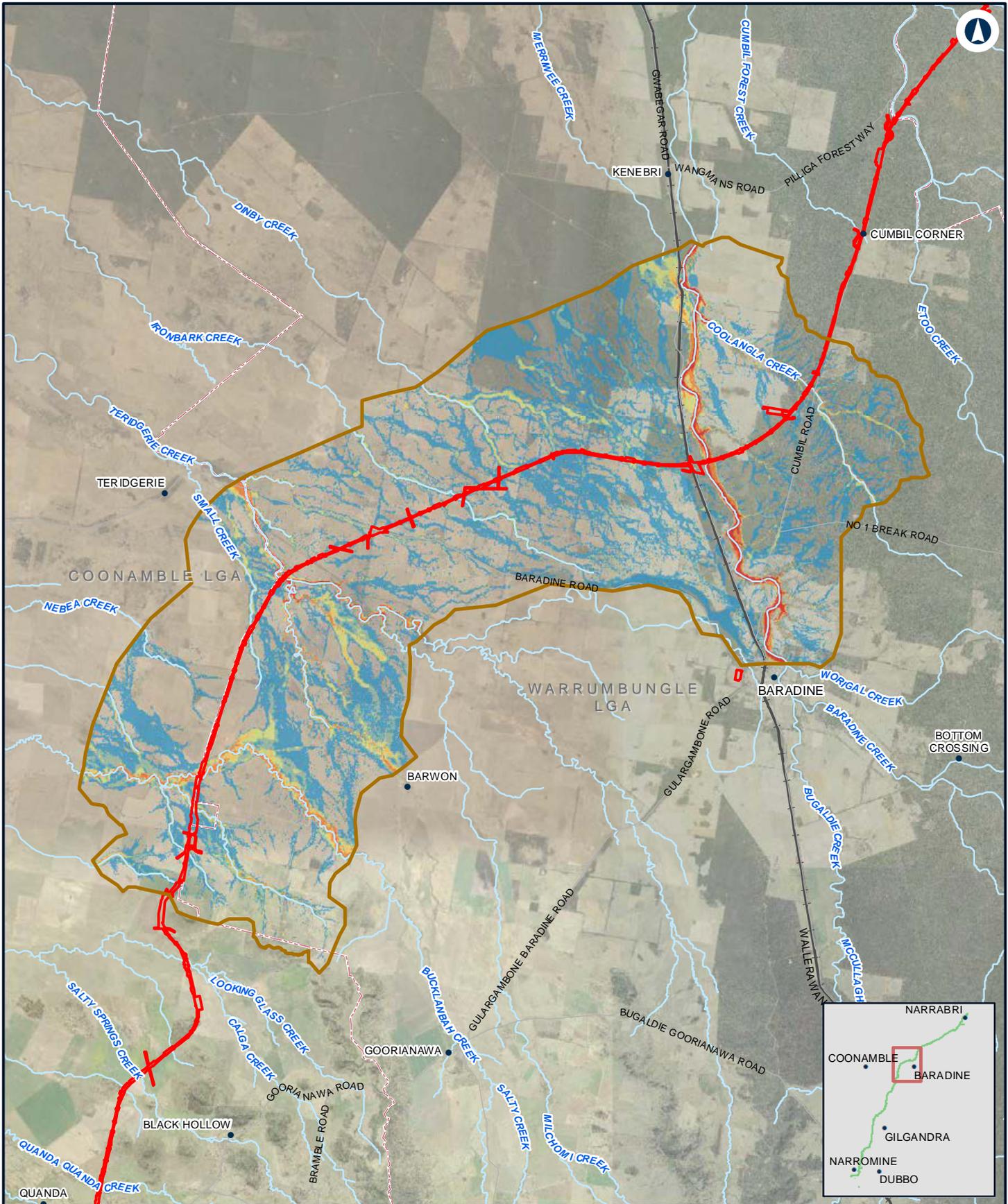
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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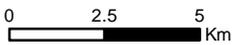
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 1% AEP with climate change - N2N7**

Appendix D - Figure 4.5h



Coordinate System: GDA 1994 MGA Zone 55

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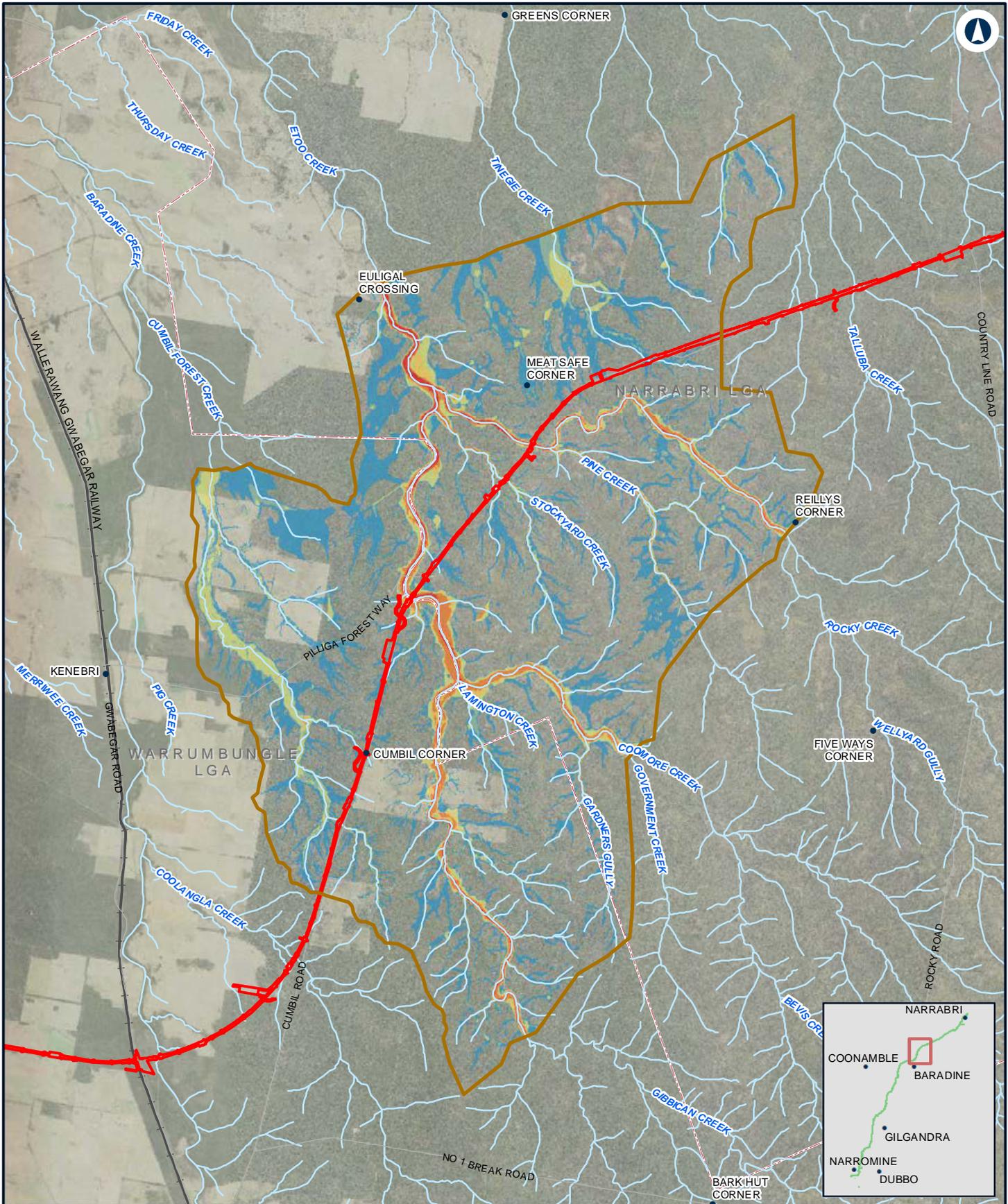
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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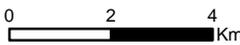
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - N2N6

Appendix D - Figure 4.5i



**LEGEND**

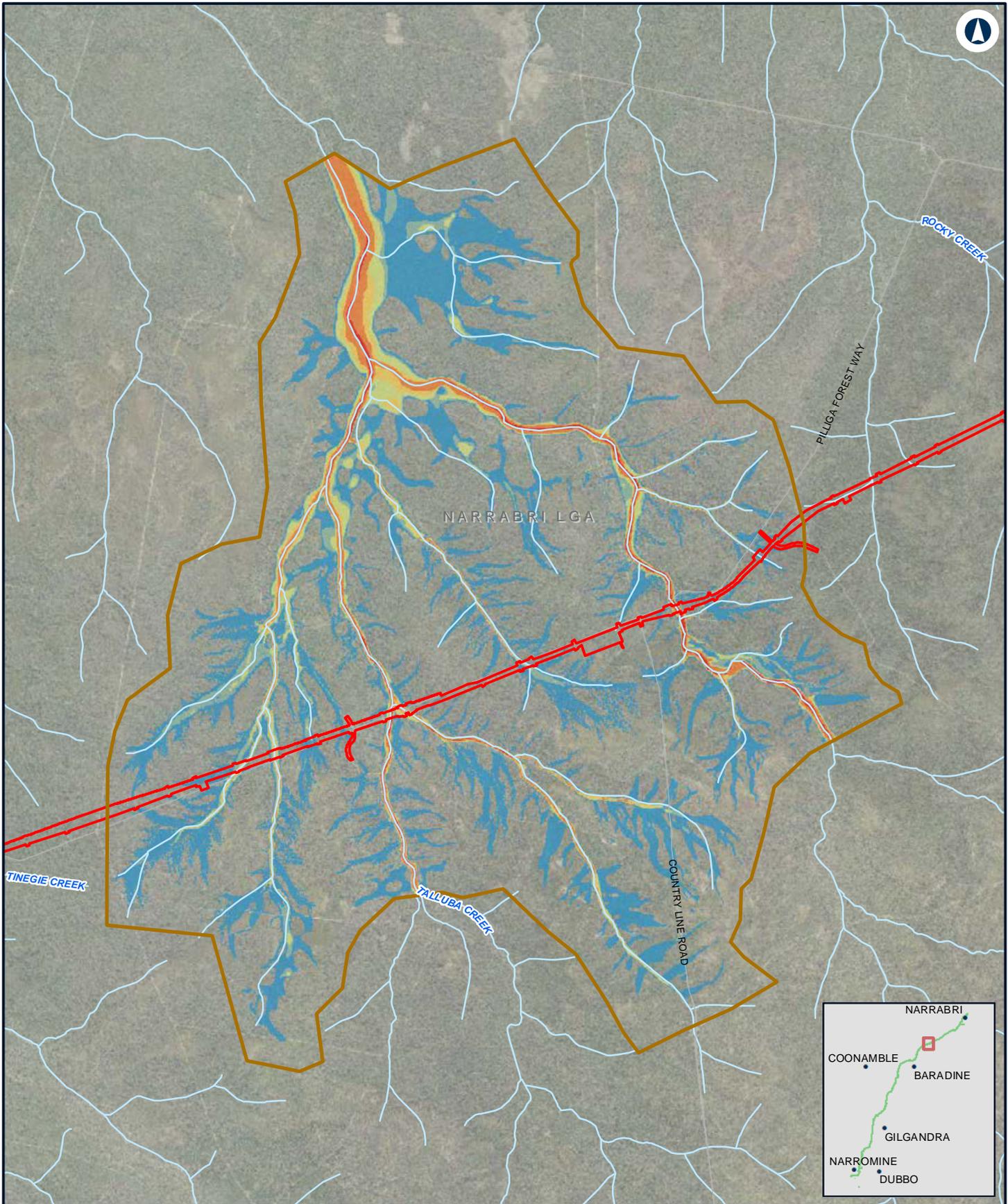
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Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



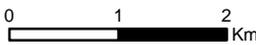
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 1% AEP with climate change - N2N5**

Appendix D - Figure 4.5j



Coordinate System: GDA 1994 MGA Zone 55

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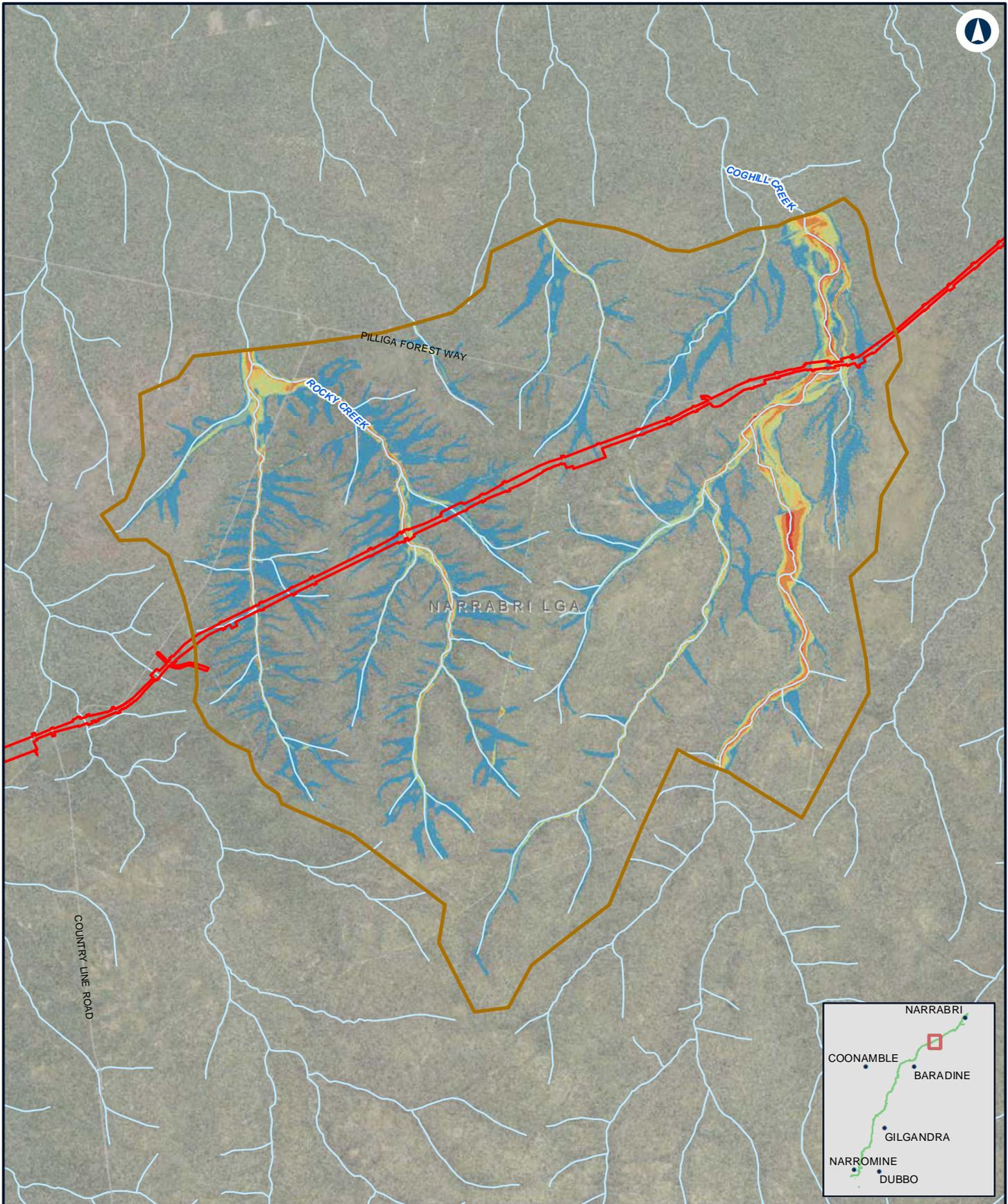
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - N2N4

Appendix D - Figure 4.5k



Coordinate System: GDA 1994 MGA Zone 55

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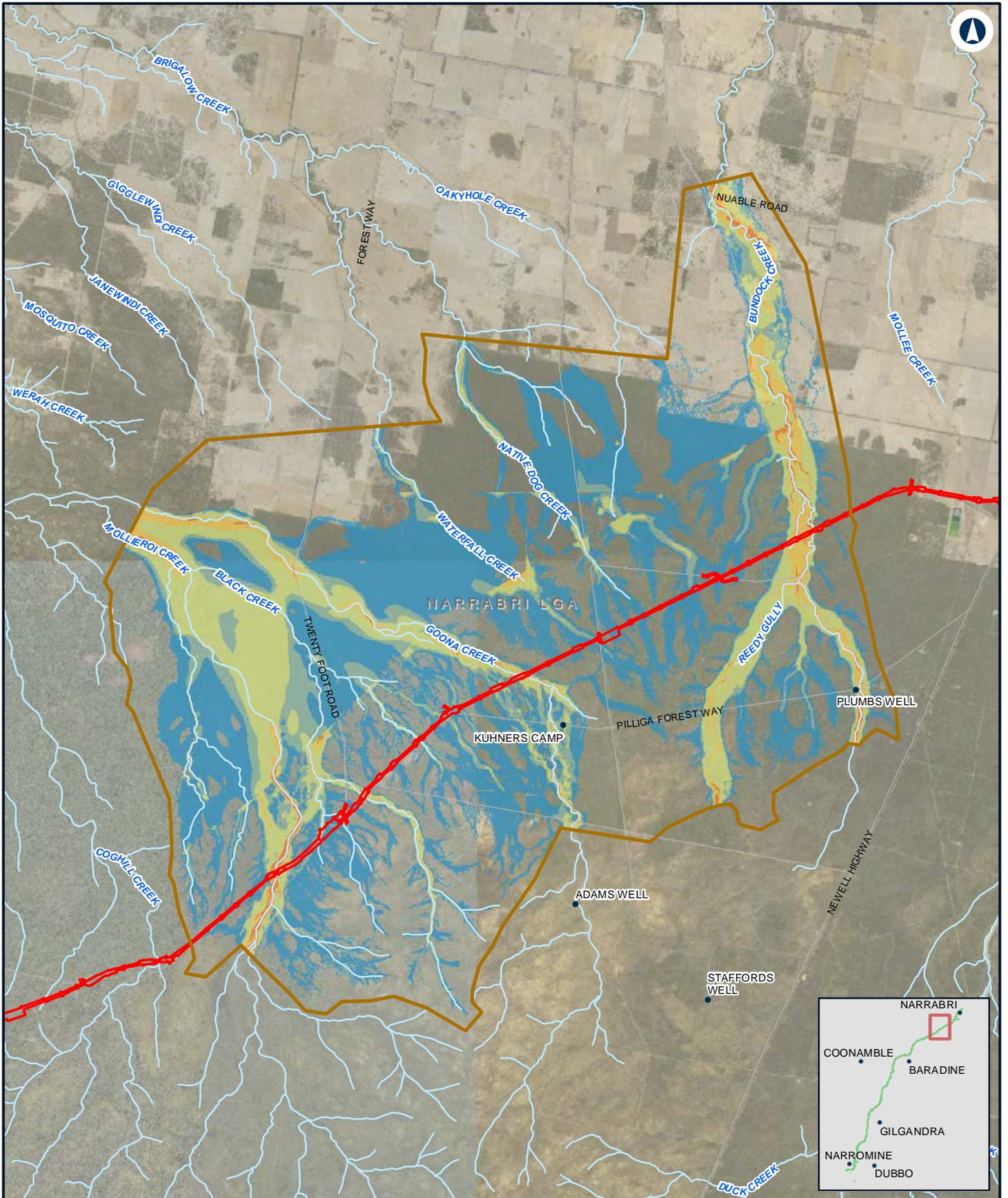
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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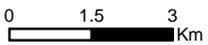
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - N2N23

Appendix D - Figure 4.5I



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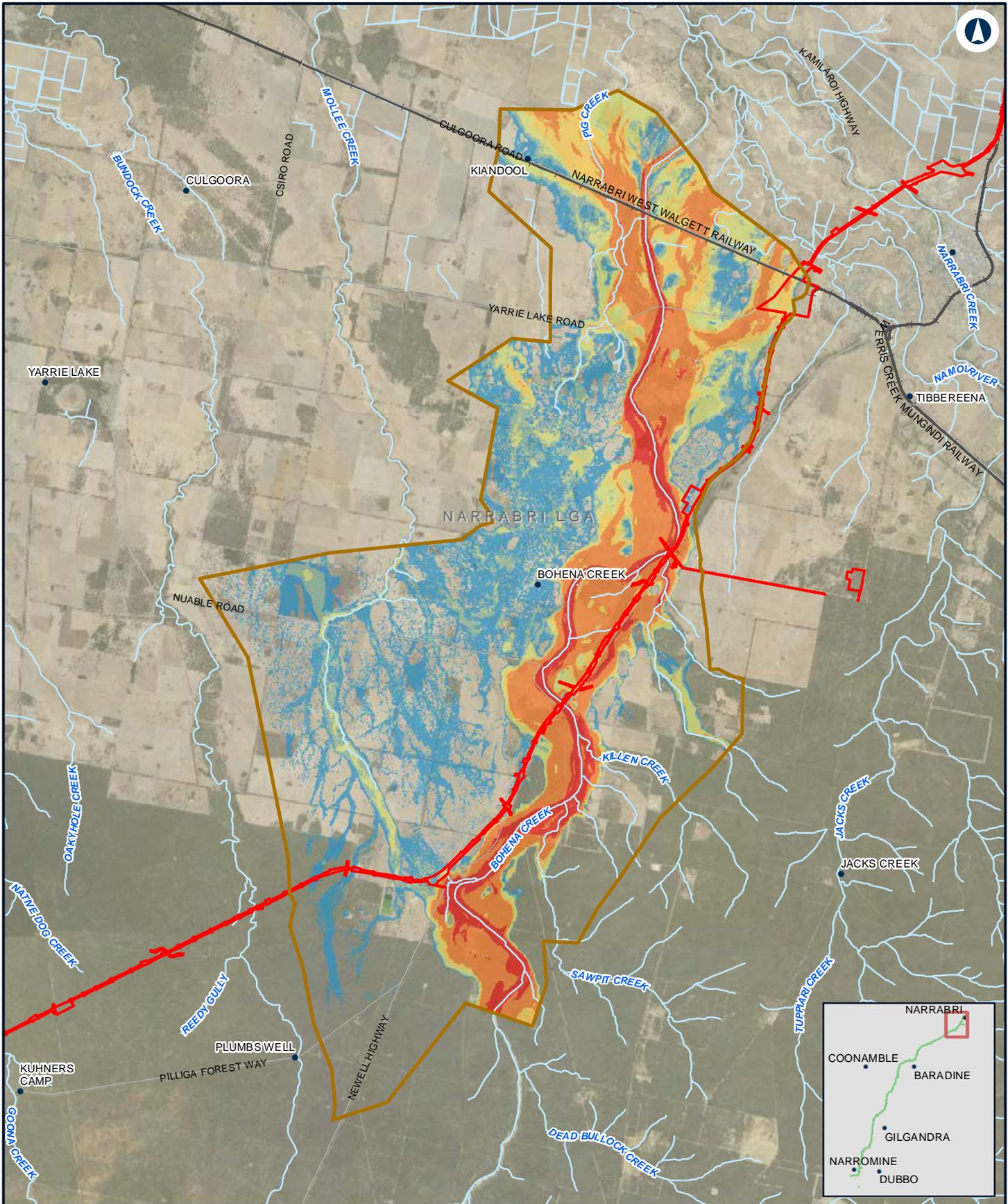
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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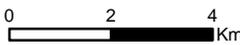
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**NARROMINE TO NARRABRI**

**Existing flood hazard - 1% AEP with climate change - N2N1**

Appendix D - Figure 4.5m



Coordinate System: GDA 1994 MGA Zone 55  
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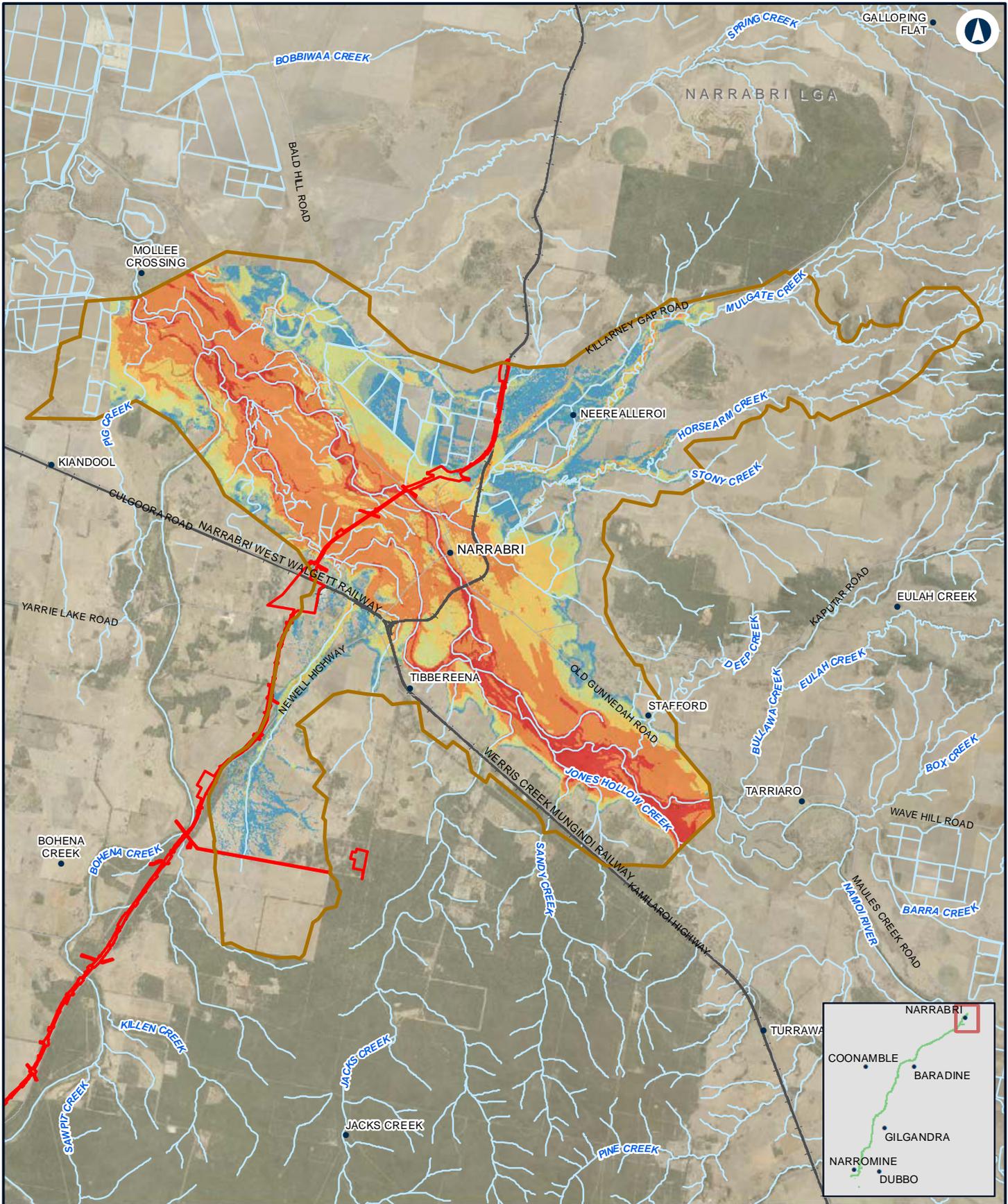
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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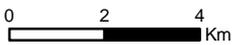
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**NARROMINE TO NARRABRI**

Existing flood hazard - 1% AEP with climate change - Narrabri

Appendix D - Figure 4.5n



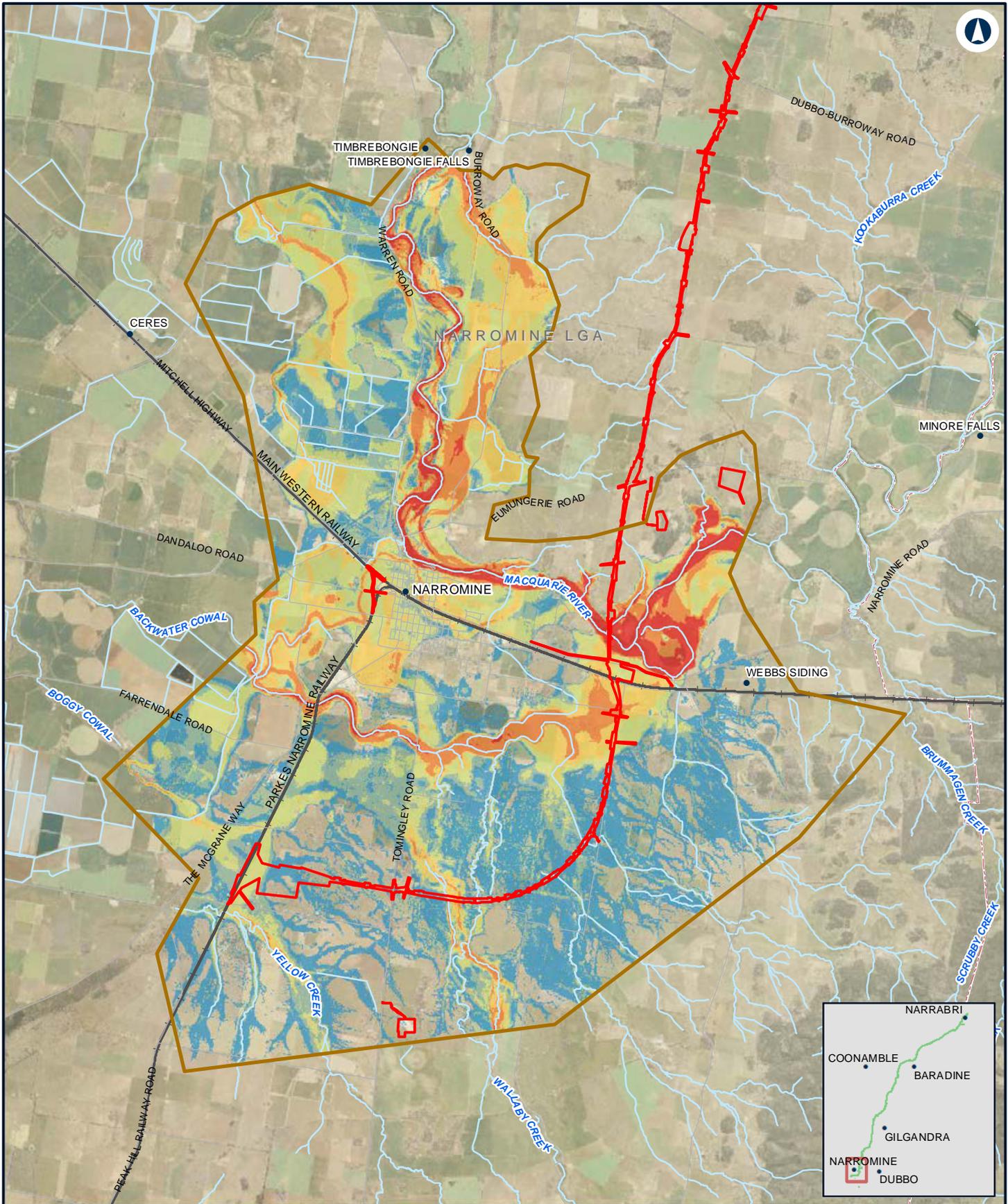
Coordinate System: GDA 1994 MGA Zone 55  
 ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.  
 Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:160,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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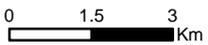
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - NFM

Appendix D - Figure 4.6a



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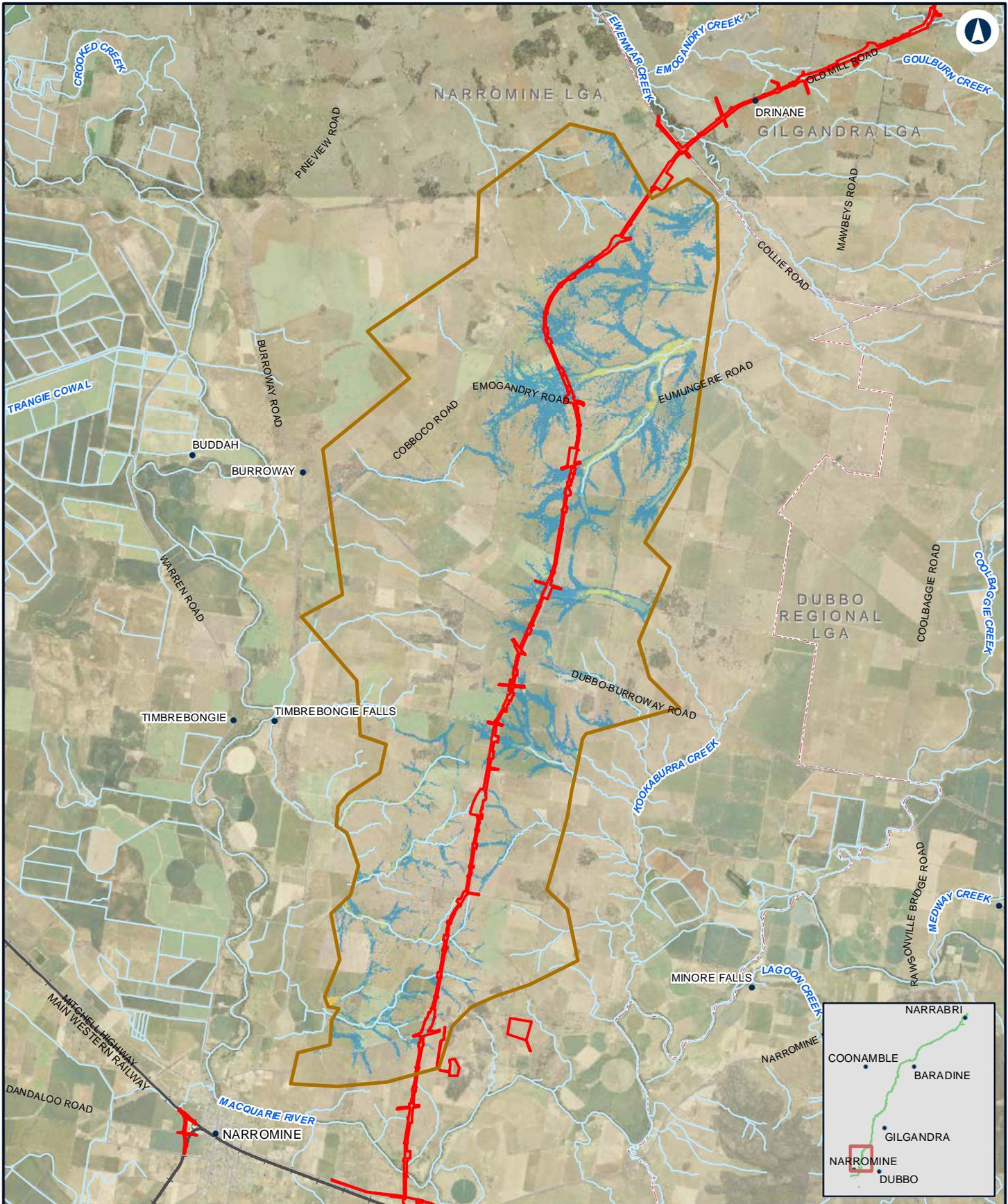
**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



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0 2 4 Km

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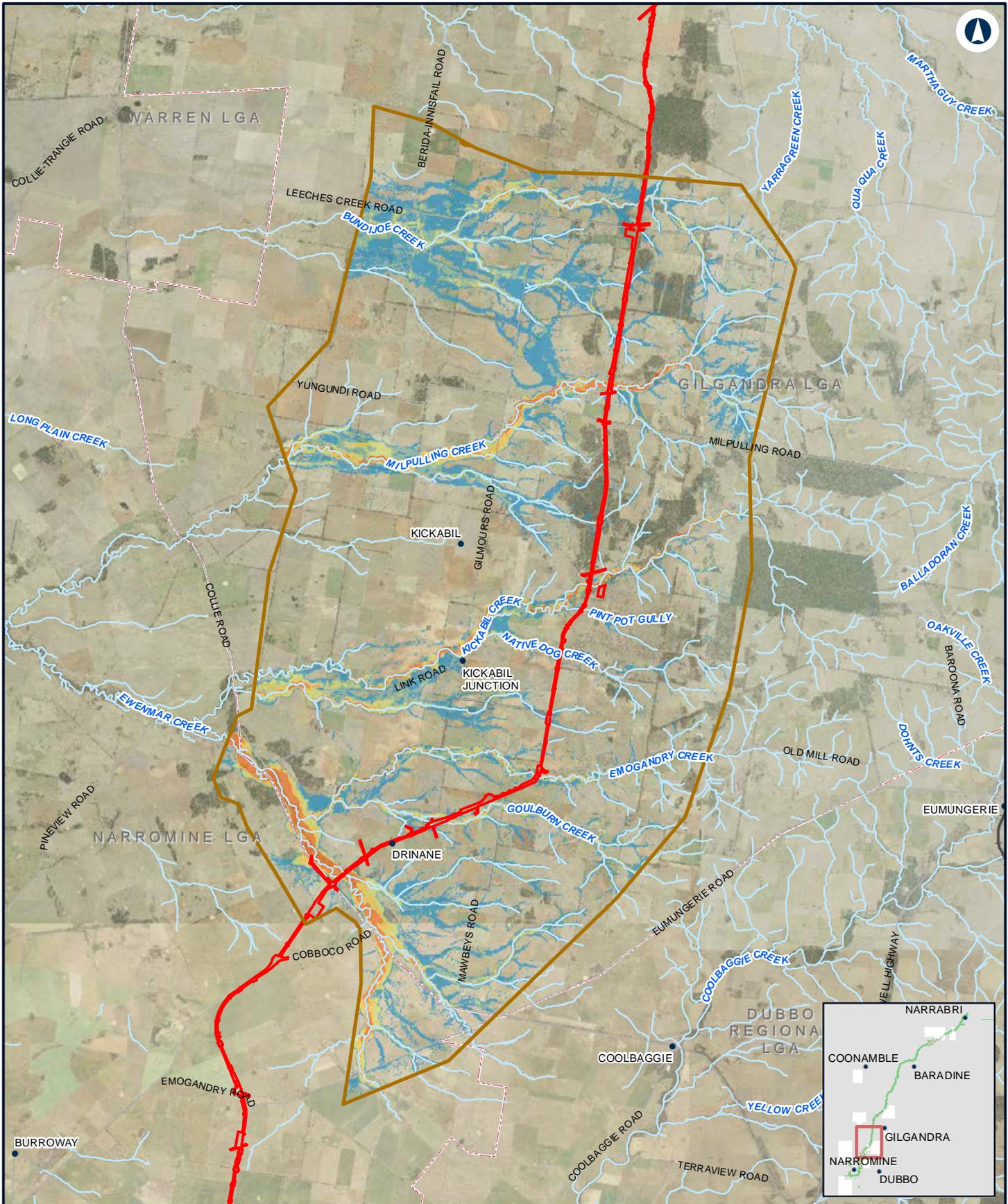
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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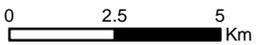
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N13

Appendix D - Figure 4.6c



Coordinate System: GDA 1994 MGA Zone 55  
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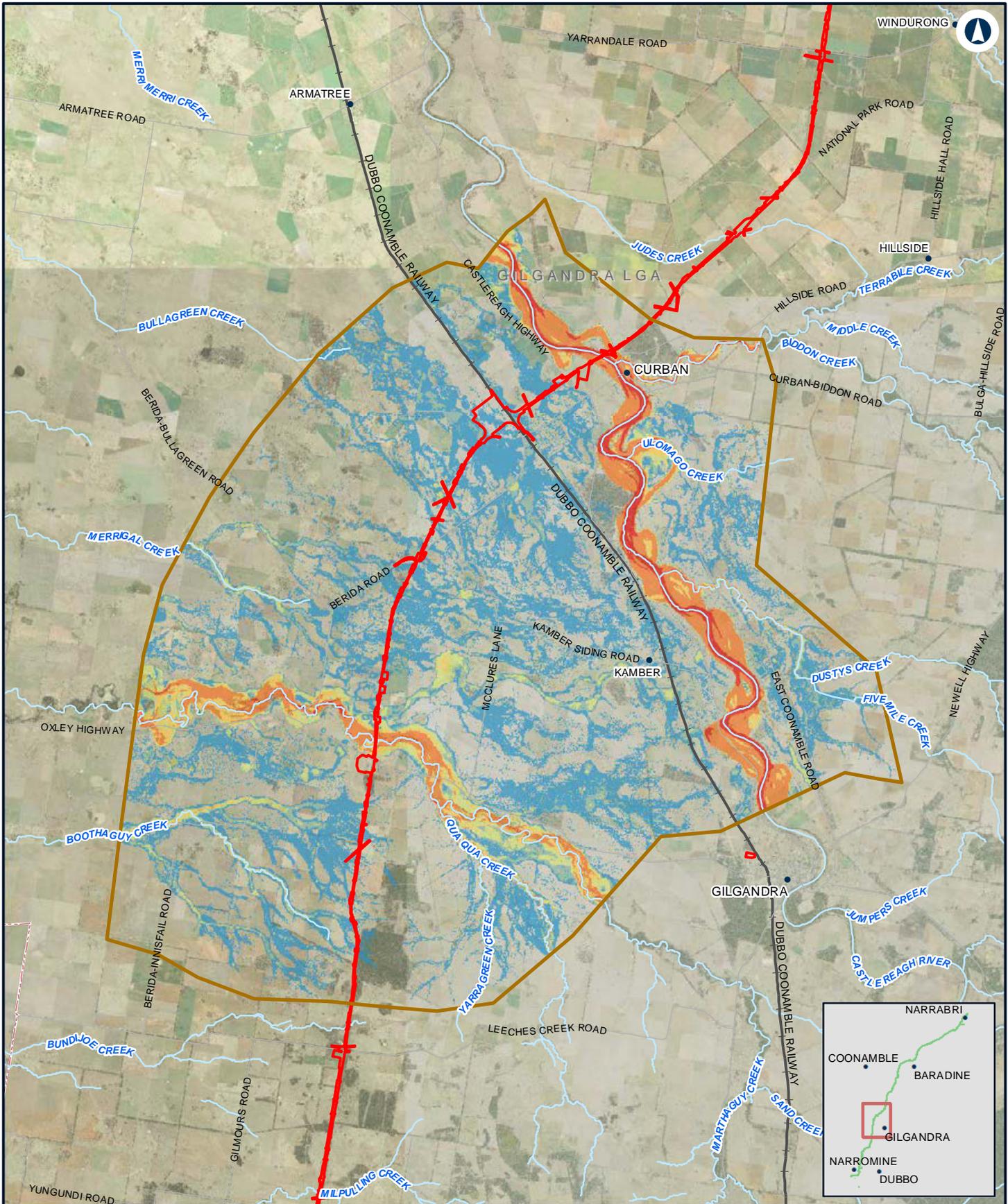
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unconditionally dangerous



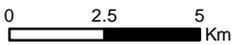
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N11N12

Appendix D - Figure 4.6d



Coordinate System: GDA 1994 MGA Zone 55

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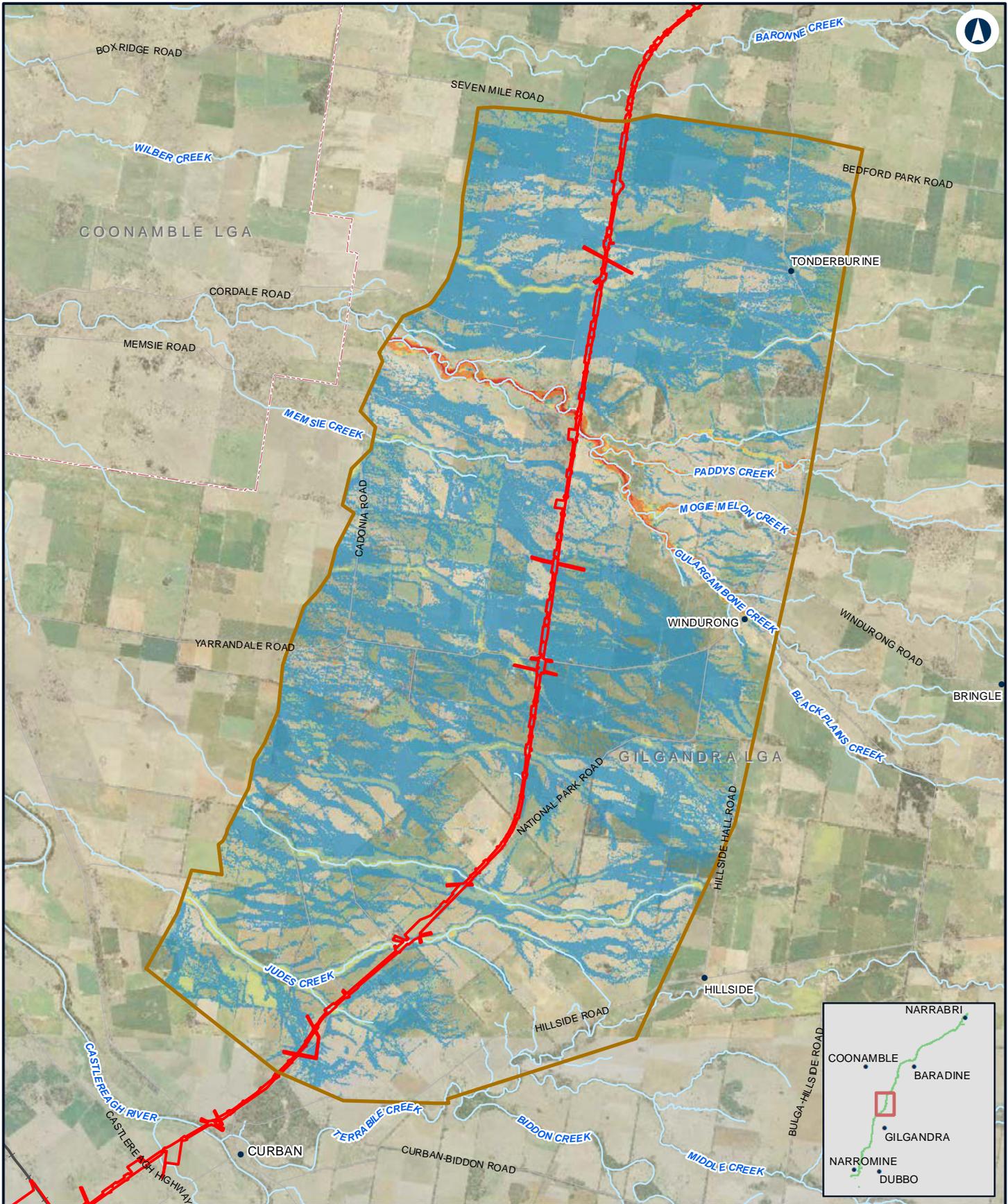
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N10

Appendix D - Figure 4.6e

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

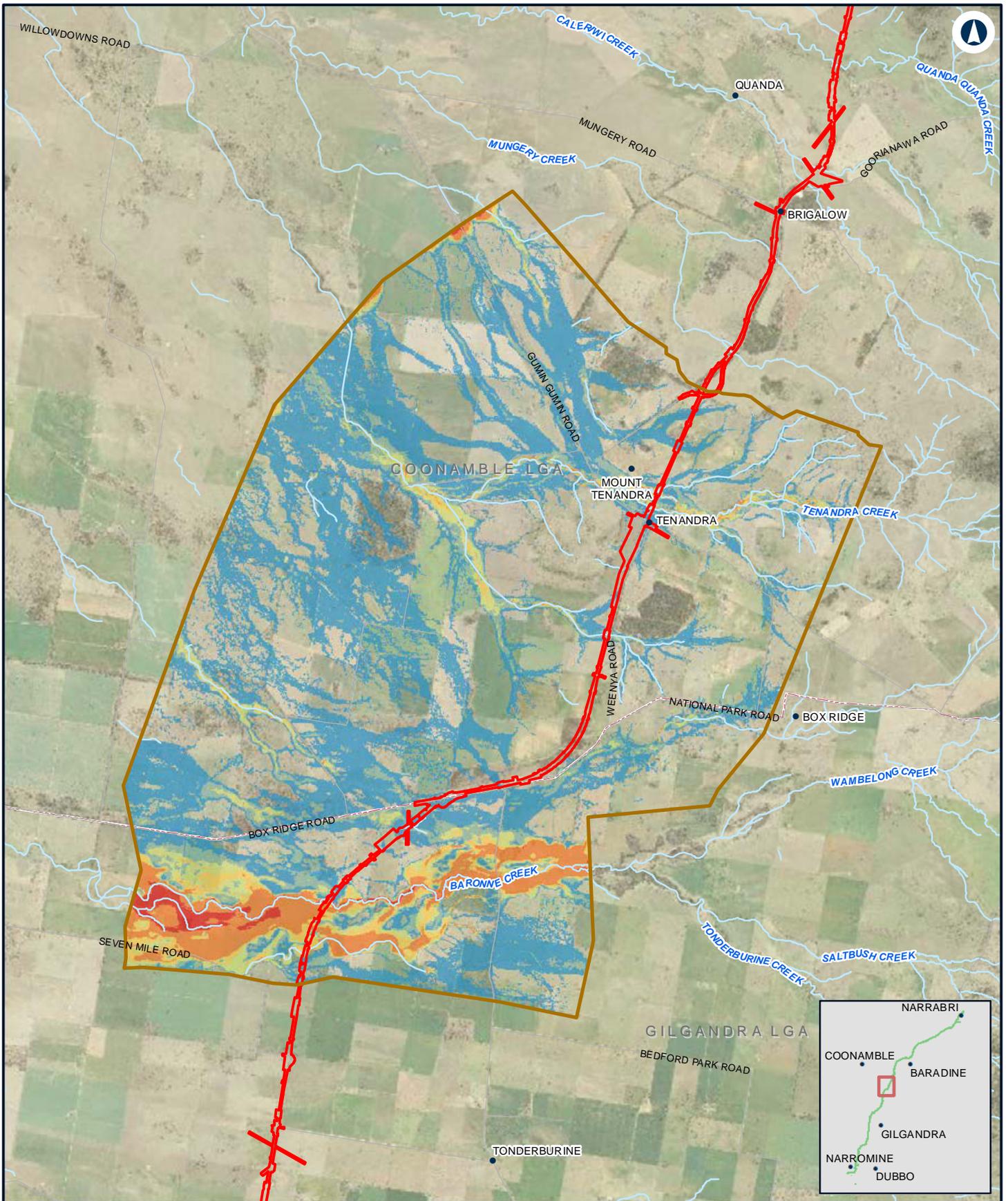
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Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:130,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- LEGEND**
- The proposal site
  - Model boundary
  - Generally safe for vehicles, people and buildings
  - Unsafe for small vehicles
  - Unsafe for vehicles, children and the elderly
  - Unsafe for vehicles and people
  - Unsafe for all people and all vehicles. Buildings require special engineering design and construction
  - Unconditionally dangerous

**INLAND RAIL** **ARTC**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N9

Appendix D - Figure 4.6f



Coordinate System: GDA 1994 MGA Zone 55

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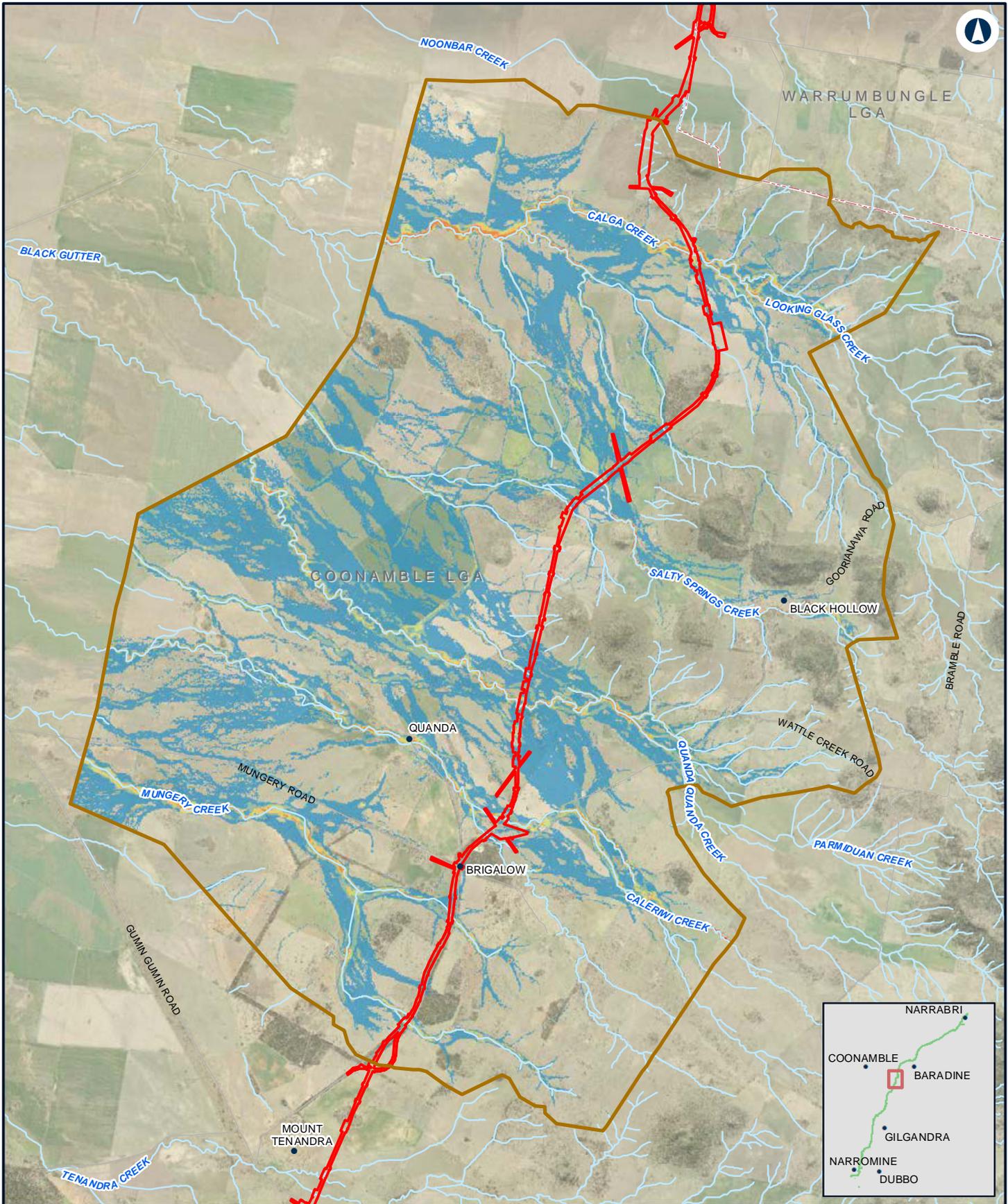
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Model boundary
- Generally safe for vehicles, people and buildings
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- Unsafe for vehicles and people
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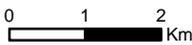
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N8

Appendix D - Figure 4.6g



Coordinate System: GDA 1994 MGA Zone 55

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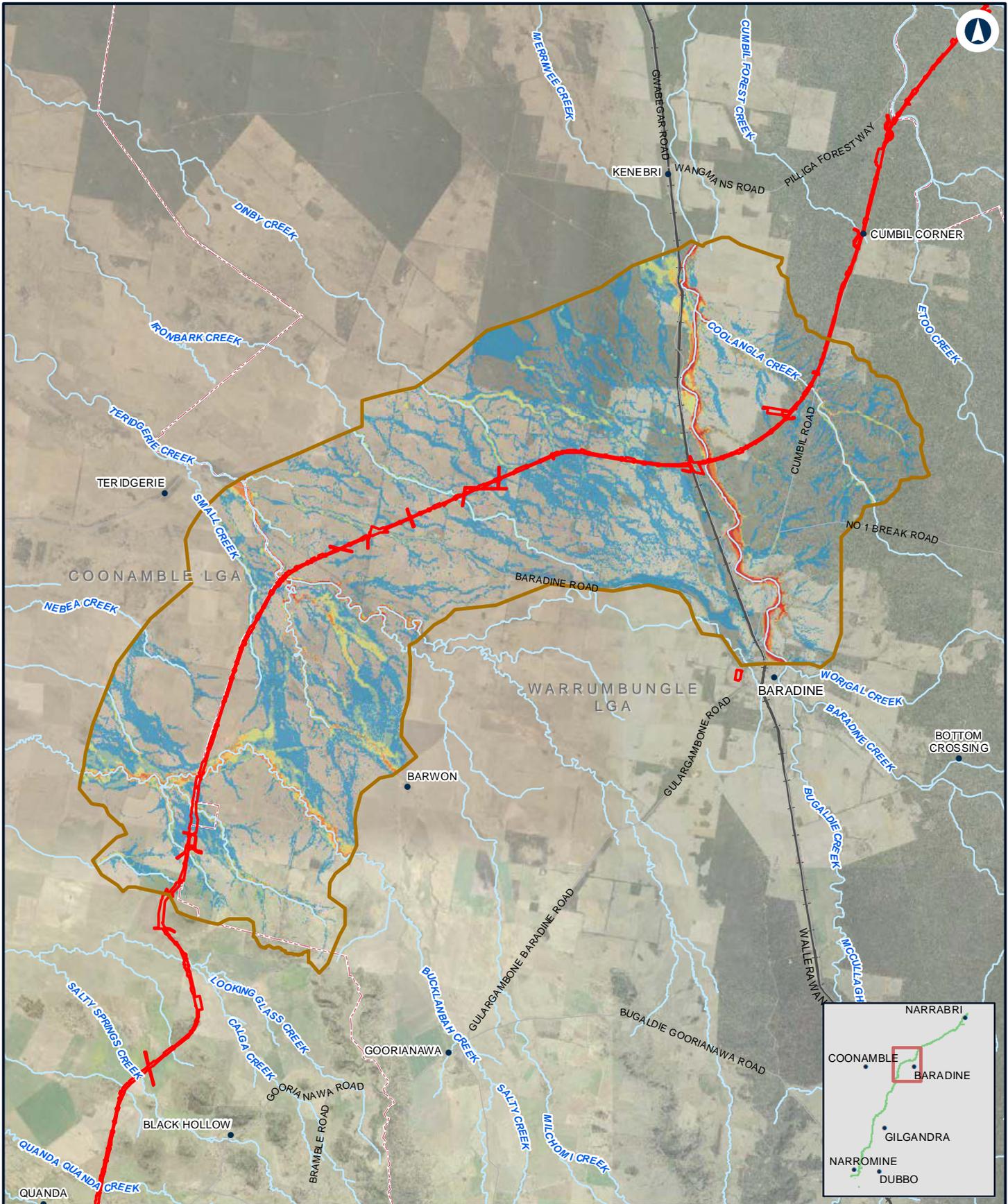
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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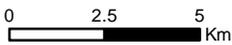
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N7

Appendix D - Figure 4.6h



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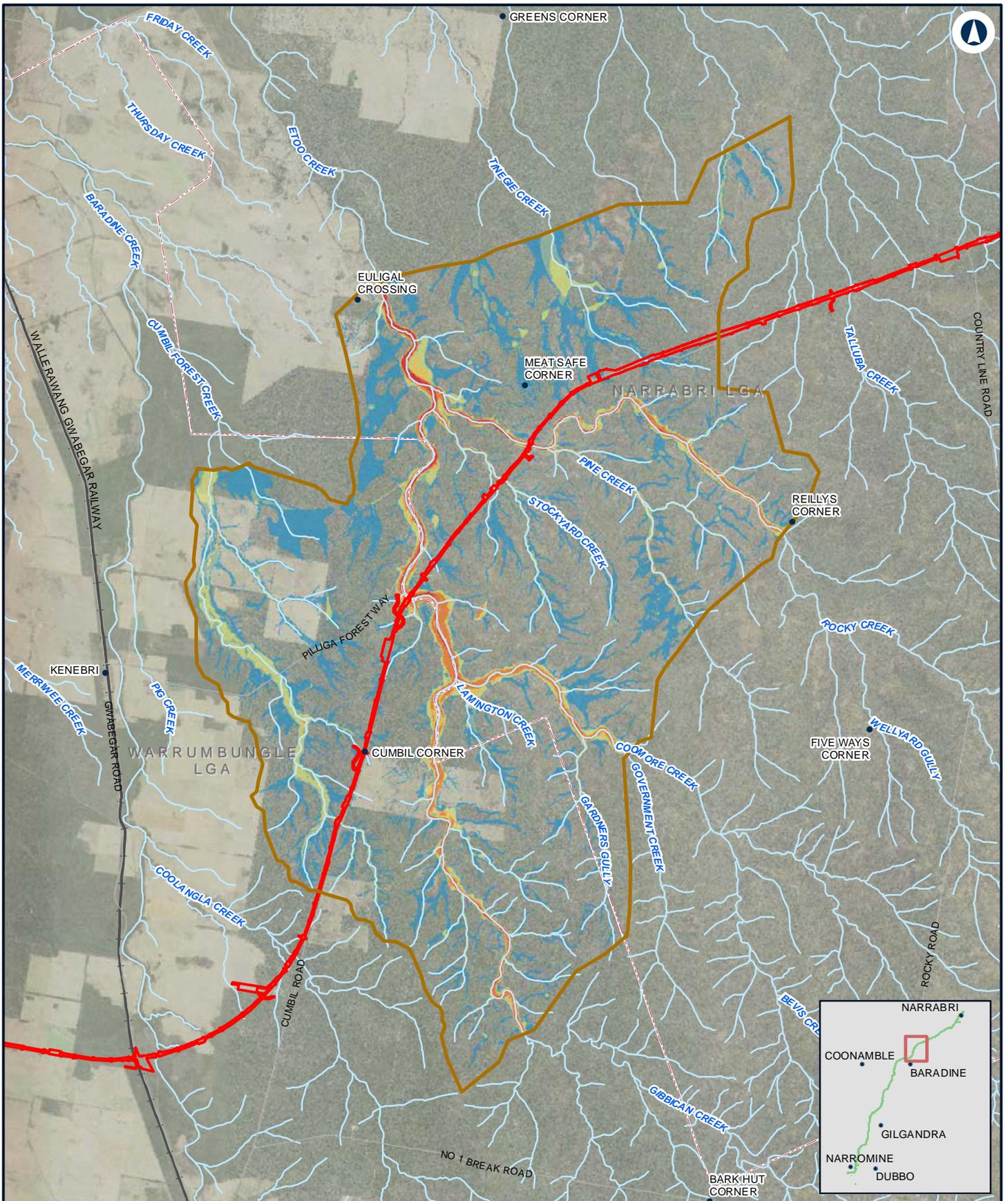
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N6

Appendix D - Figure 4.6i



Coordinate System: GDA 1994 MGA Zone 55

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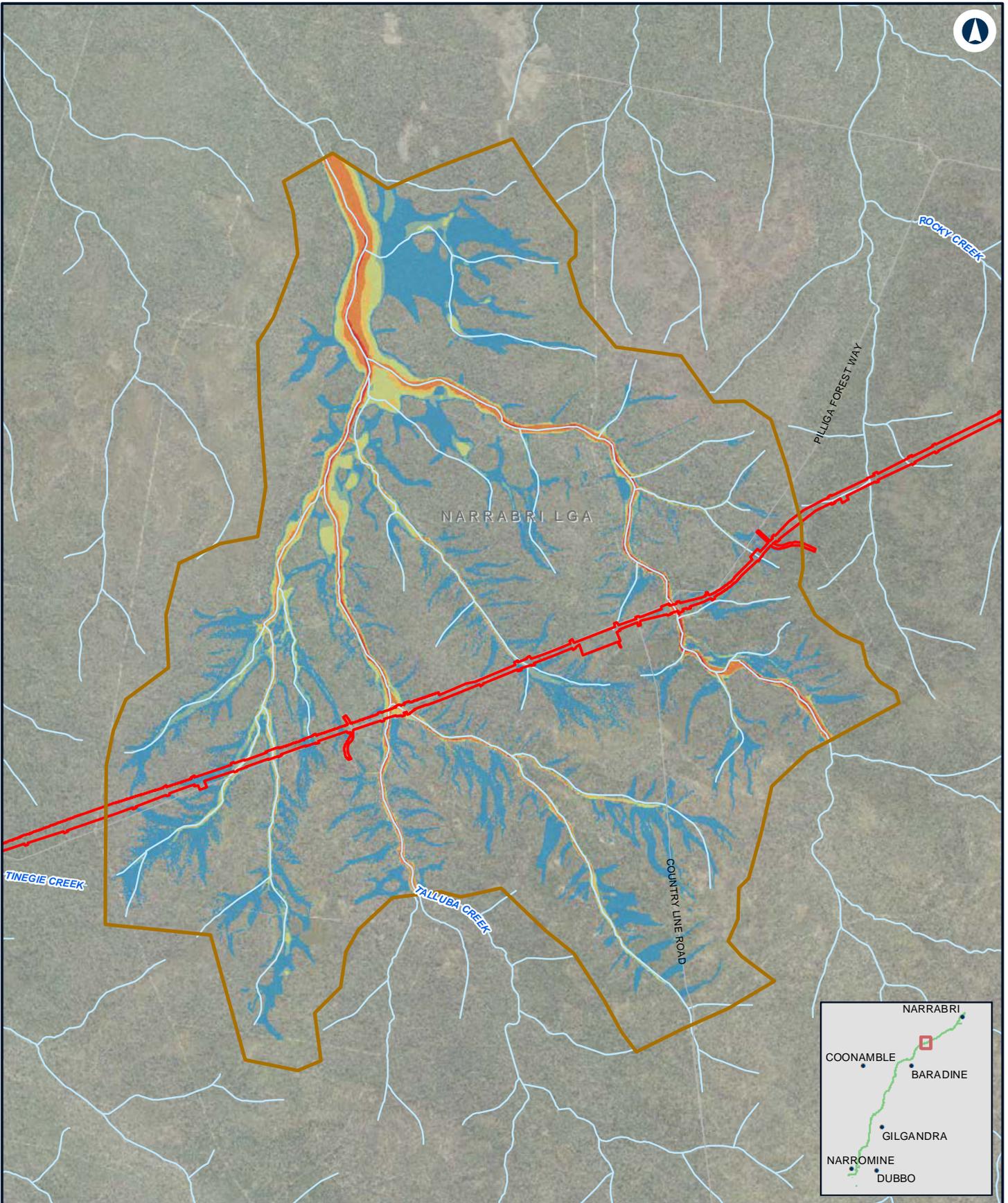
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N5

Appendix D - Figure 4.6j



Coordinate System: GDA 1994 MGA Zone 55

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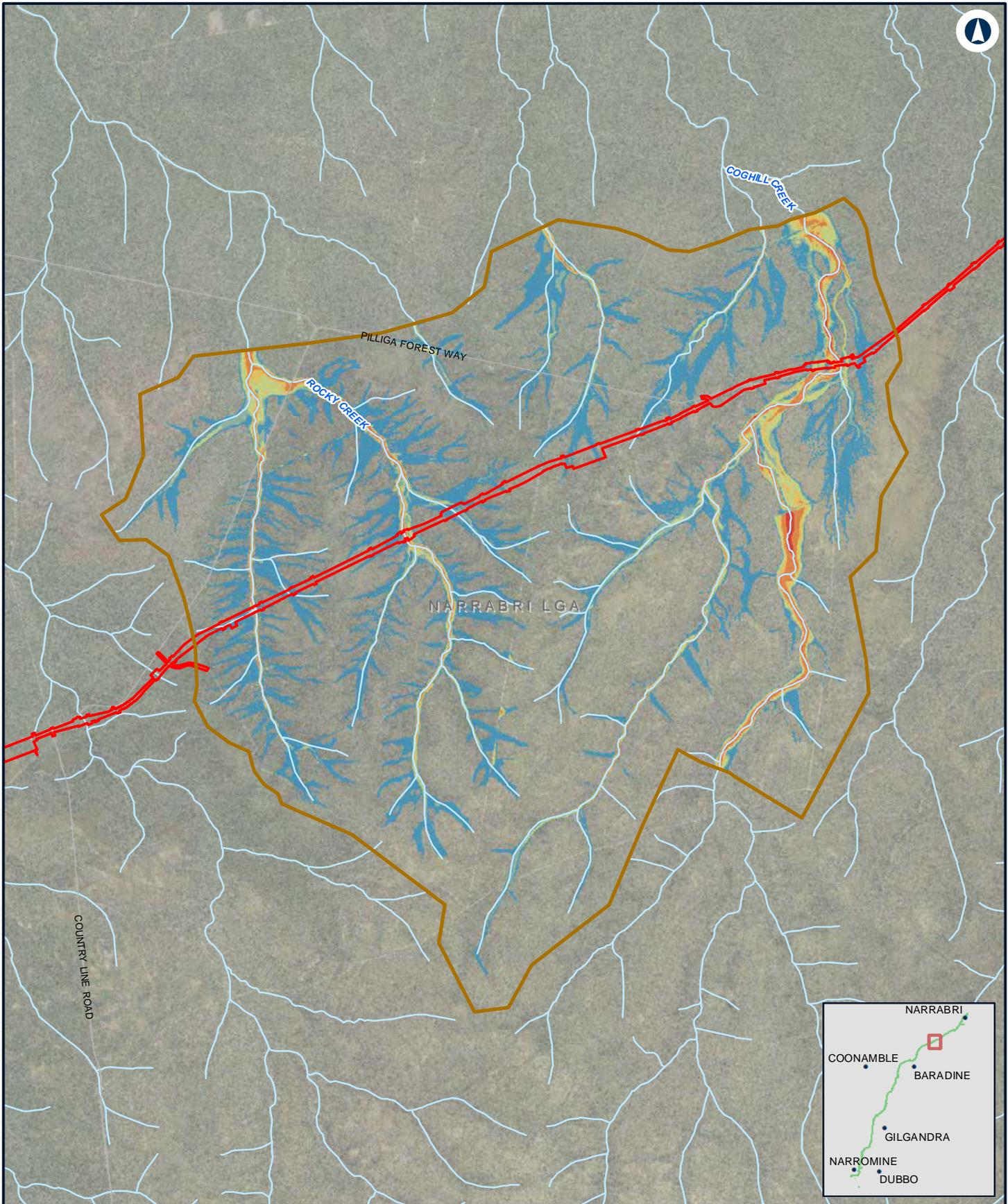
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:70,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N4

Appendix D - Figure 4.6k



Coordinate System: GDA 1994 MGA Zone 55  
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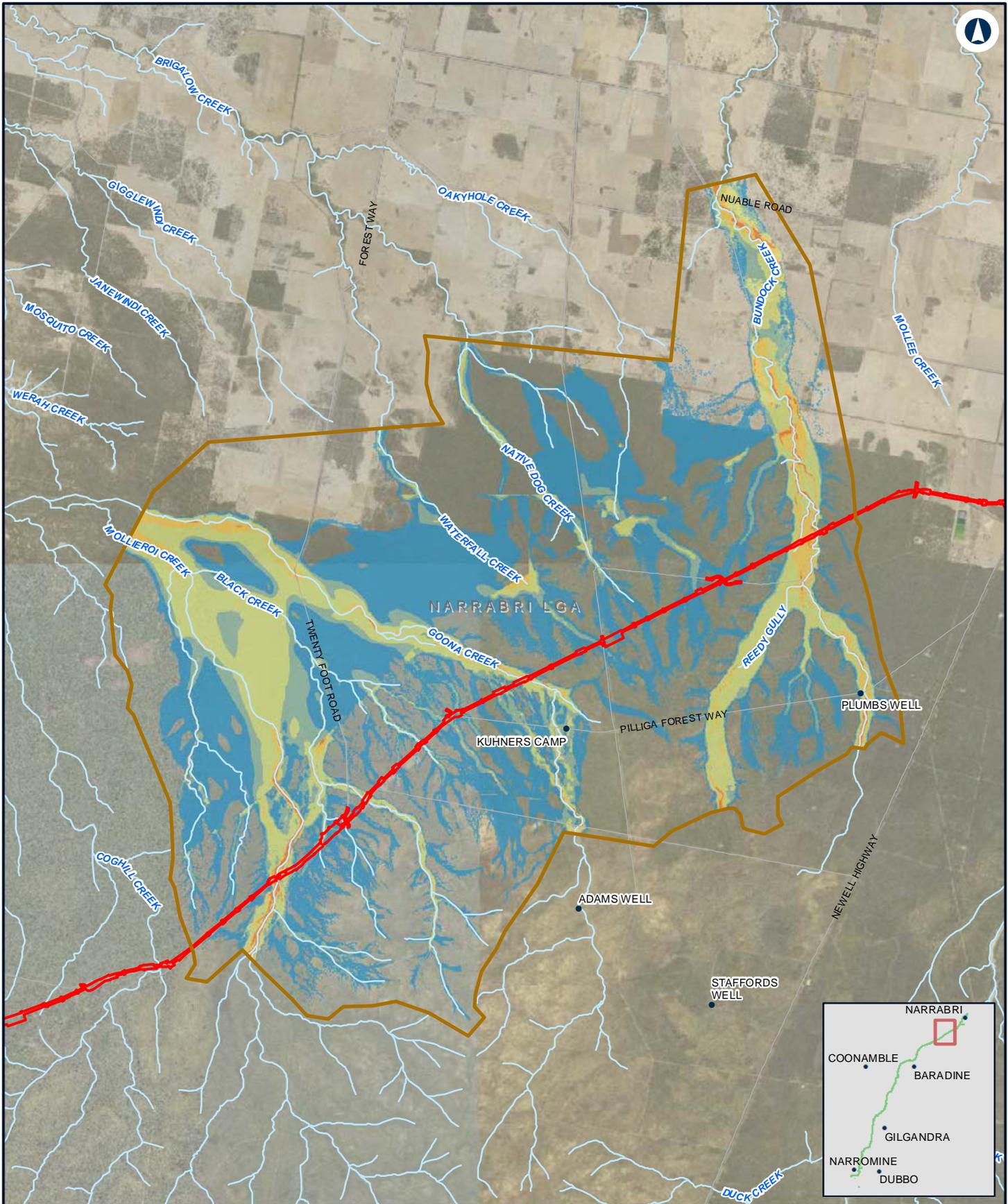
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:80,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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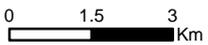
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N23

Appendix D - Figure 4.6I



Coordinate System: GDA 1994 MGA Zone 55  
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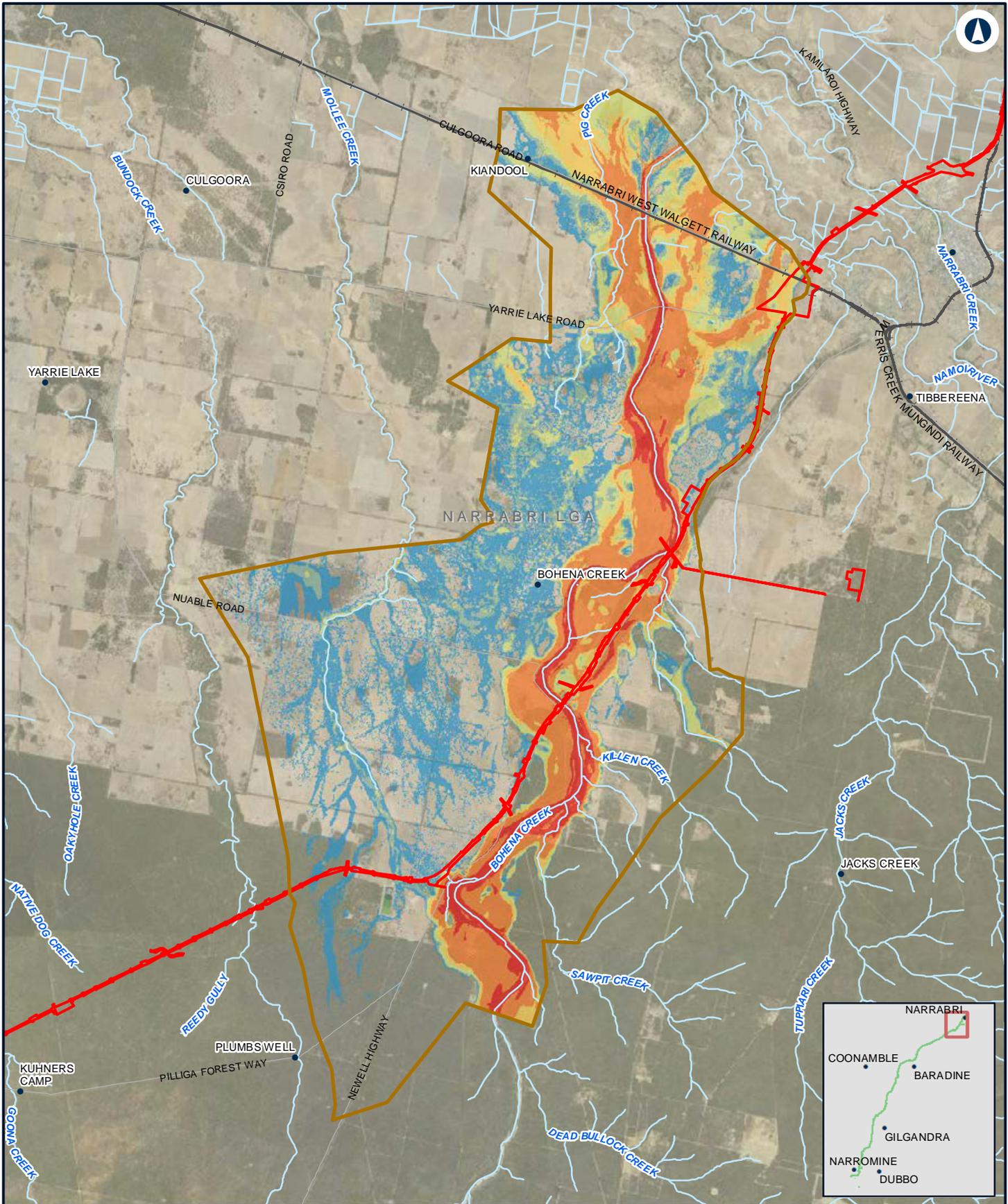
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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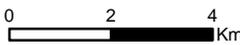
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - N2N1

Appendix D - Figure 4.6m



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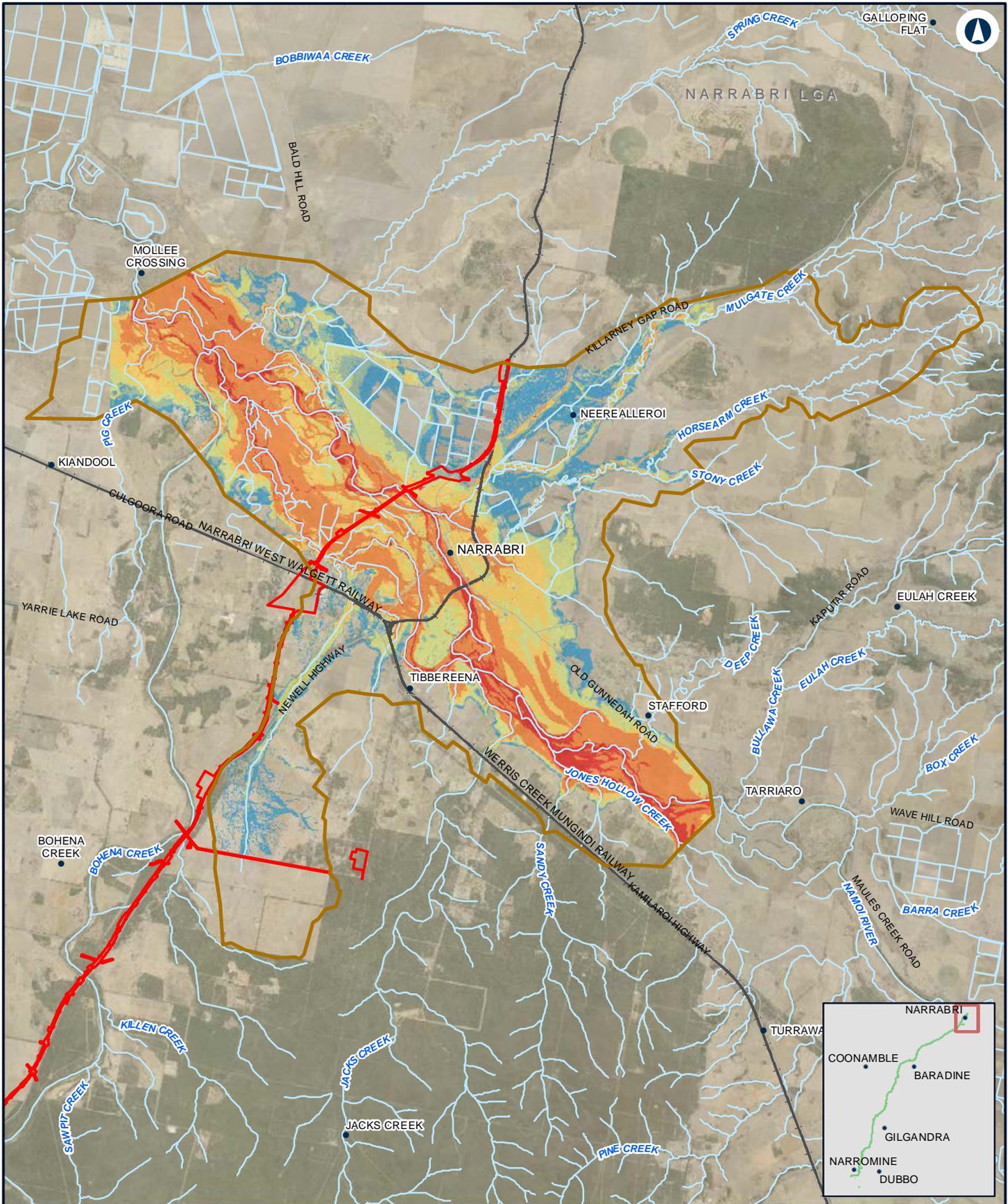
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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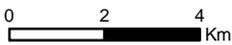
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.5% AEP - Narrabri

Appendix D - Figure 4.6n



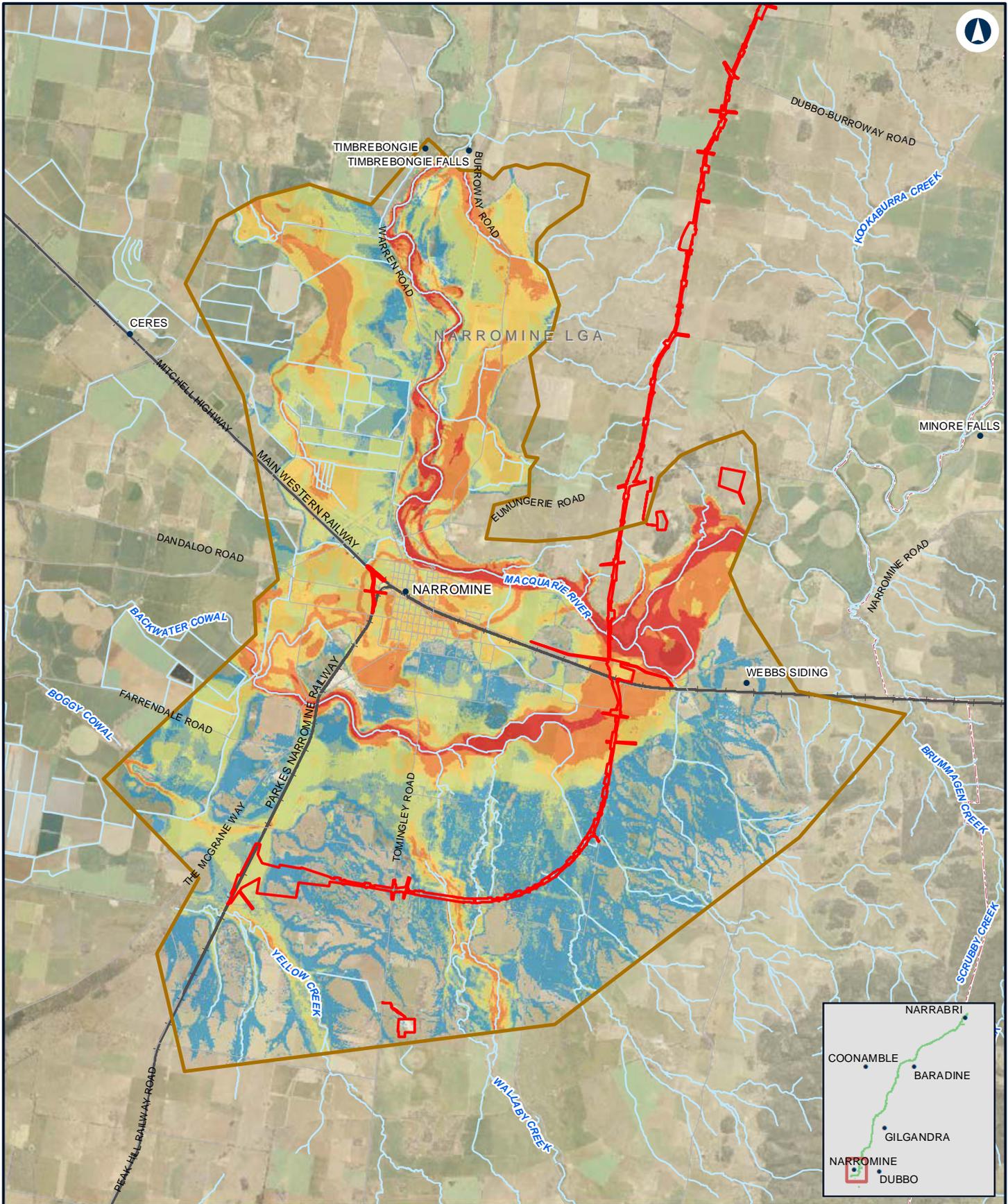
Coordinate System: GDA 1994 MGA Zone 55  
 ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.  
 Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:160,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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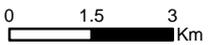
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - NFM

Appendix D - Figure 4.7a



Coordinate System: GDA 1994 MGA Zone 55

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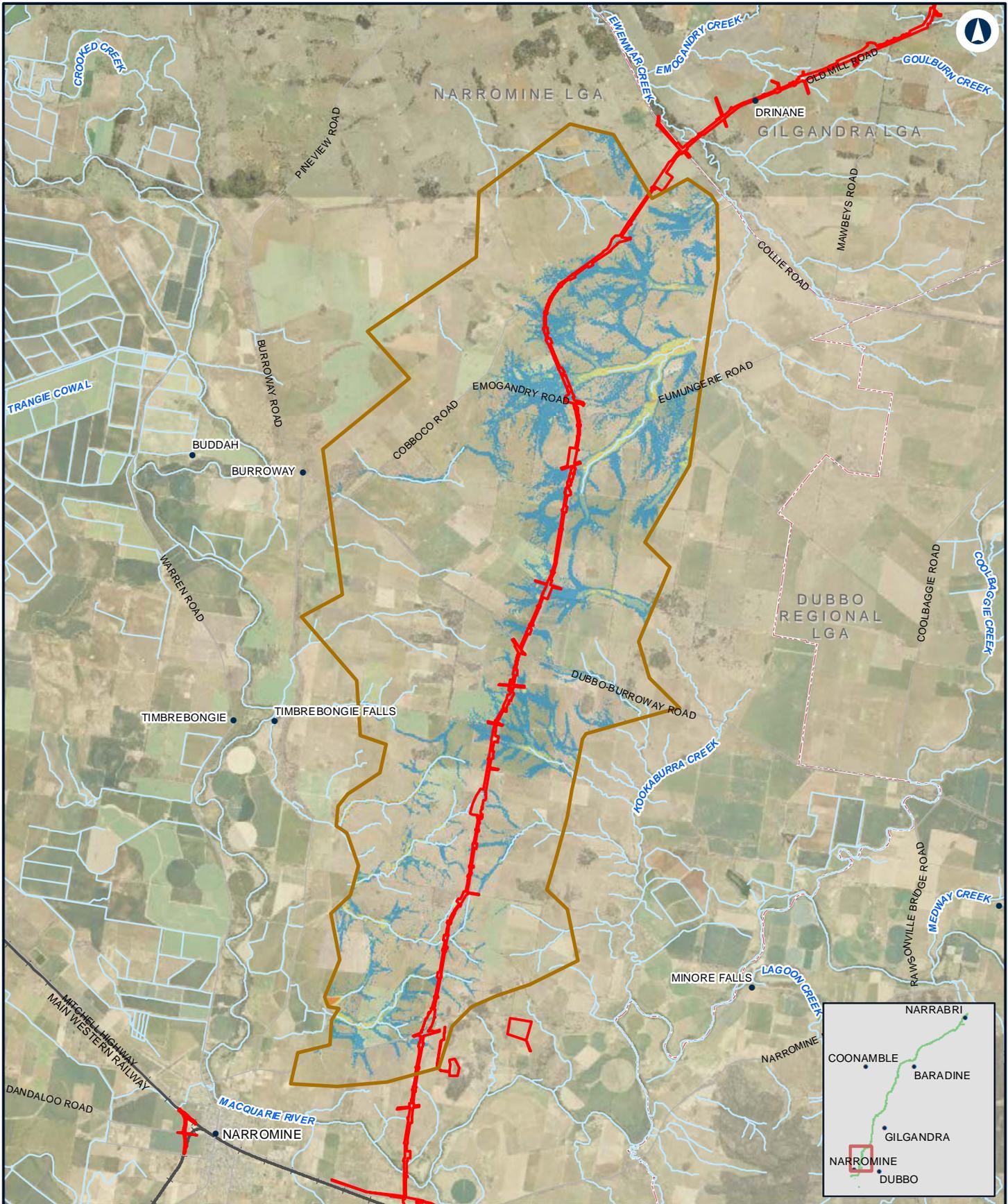
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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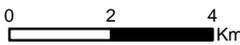
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N14

Appendix D - Figure 4.7b



Coordinate System: GDA 1994 MGA Zone 55  
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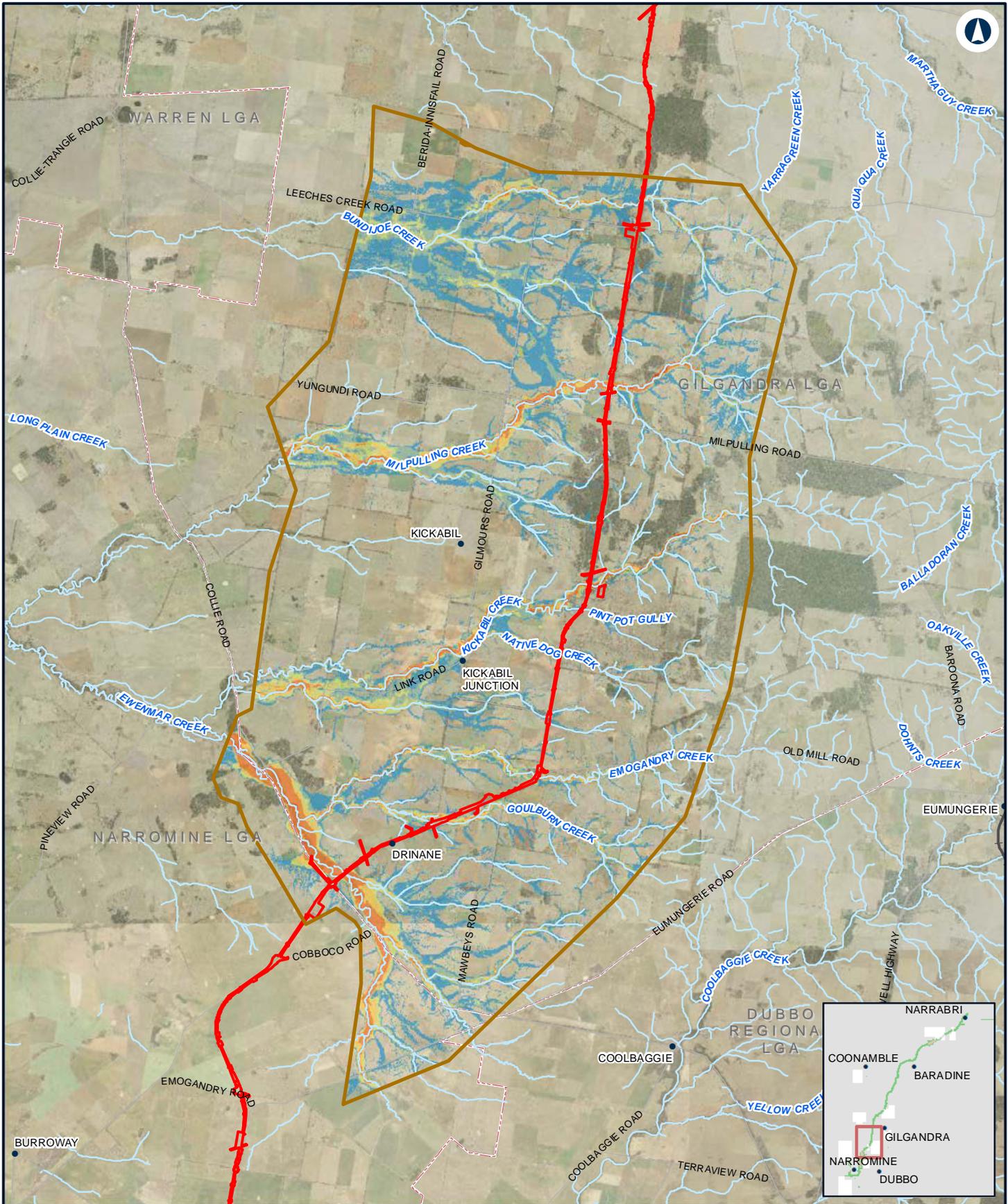
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unsafe for small vehicles
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- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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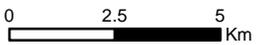
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N13

Appendix D - Figure 4.7c



**LEGEND**

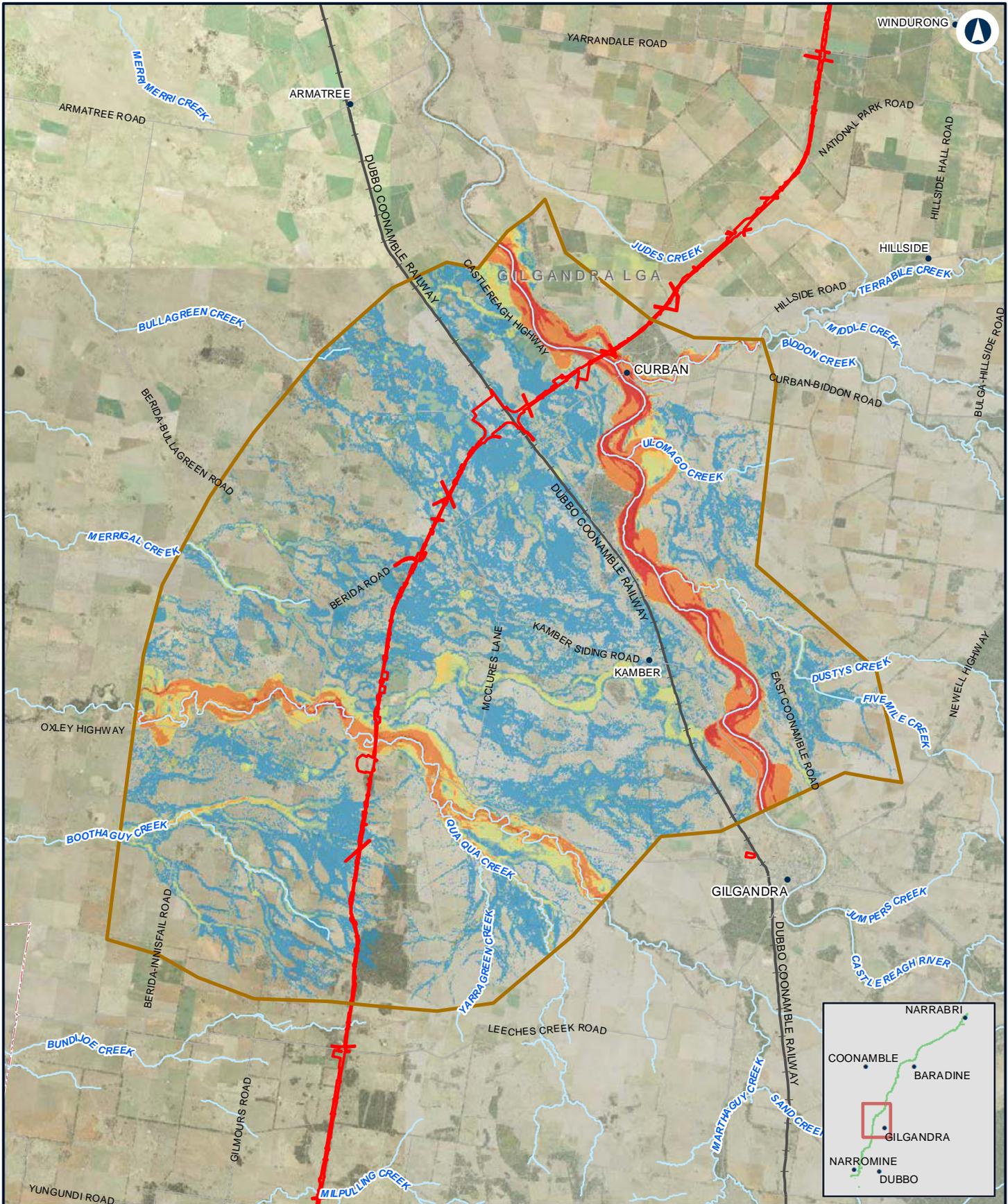
- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
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Date: 10/01/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:180,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



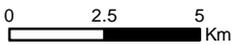
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N11N12

Appendix D - Figure 4.7d



Coordinate System: GDA 1994 MGA Zone 55  
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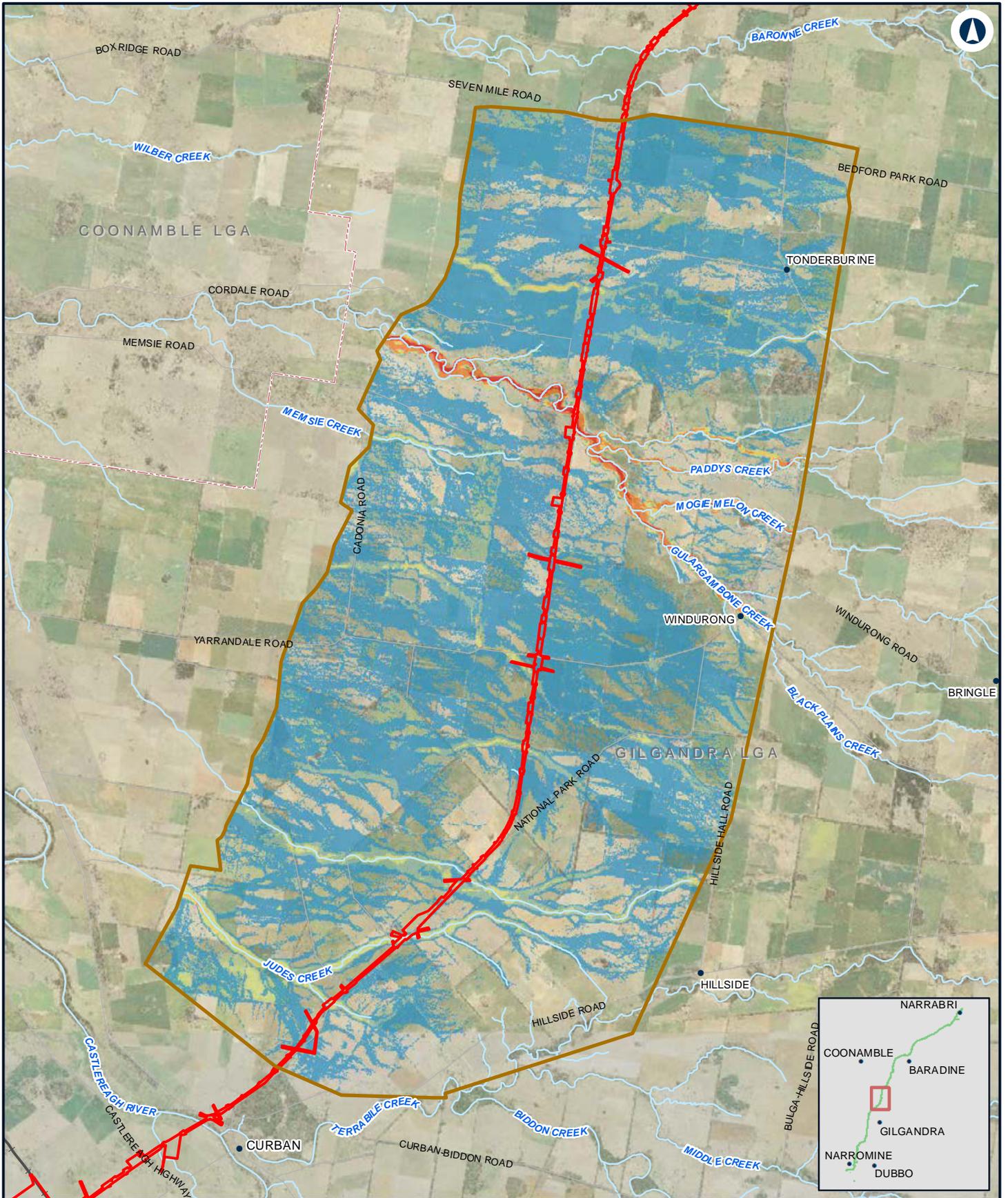
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unconditionally dangerous



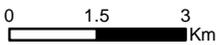
The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.



**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N10

Appendix D - Figure 4.7e



Coordinate System: GDA 1994 MGA Zone 55

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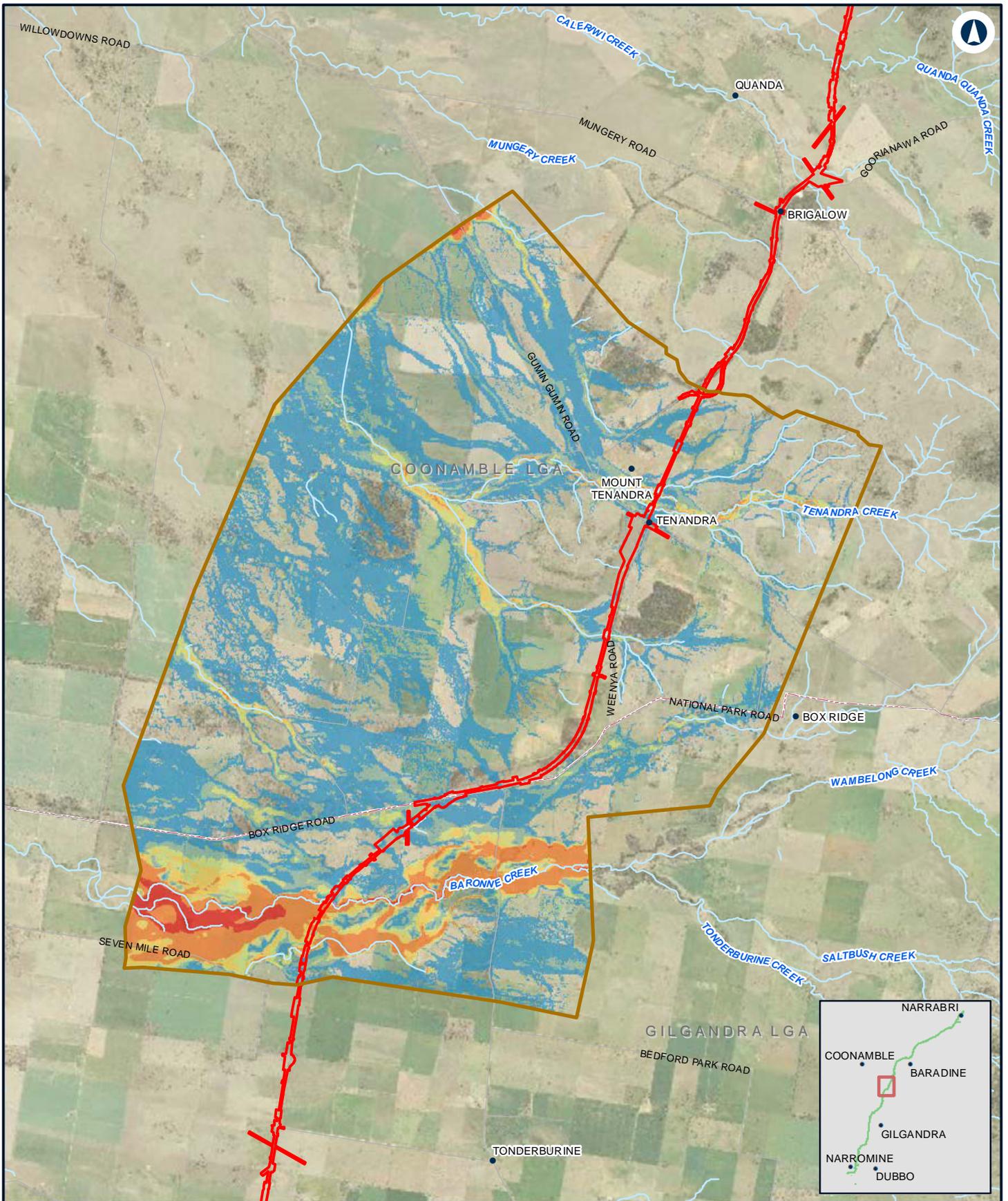
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N9

Appendix D - Figure 4.7f



Coordinate System: GDA 1994 MGA Zone 55

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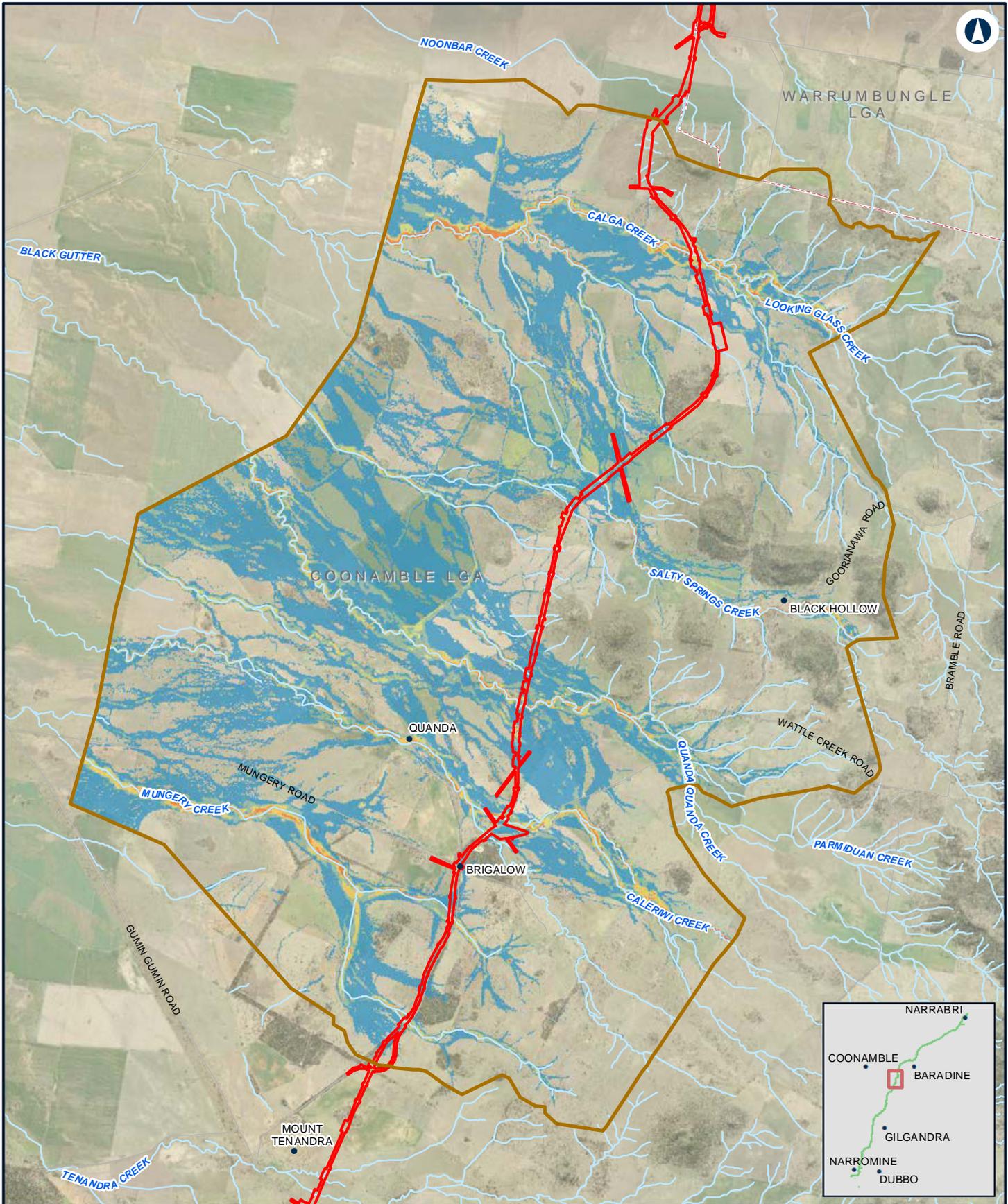
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
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- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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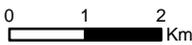
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N8

Appendix D - Figure 4.7g



Coordinate System: GDA 1994 MGA Zone 55  
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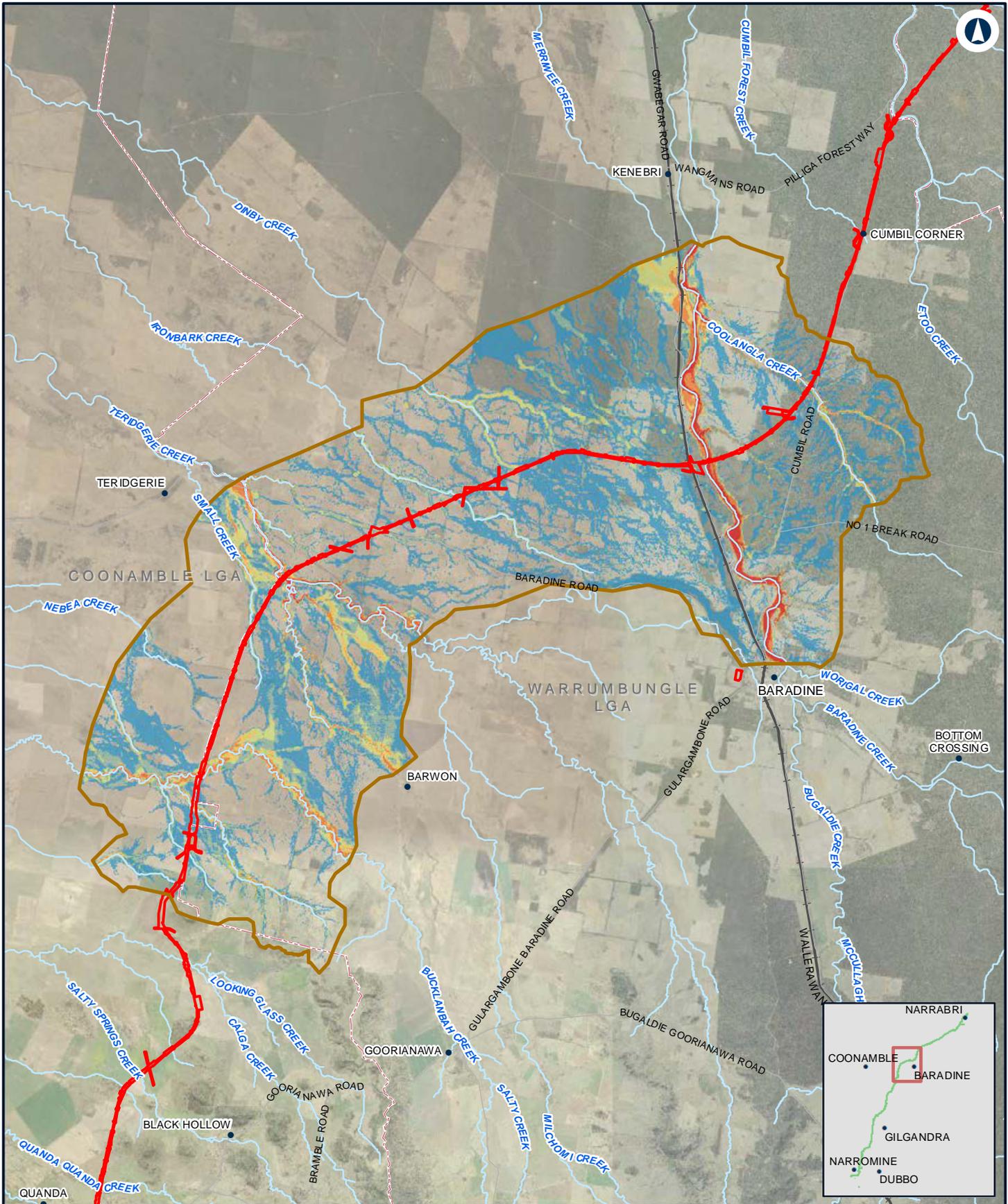
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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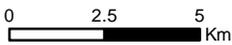
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N7

Appendix D - Figure 4.7h



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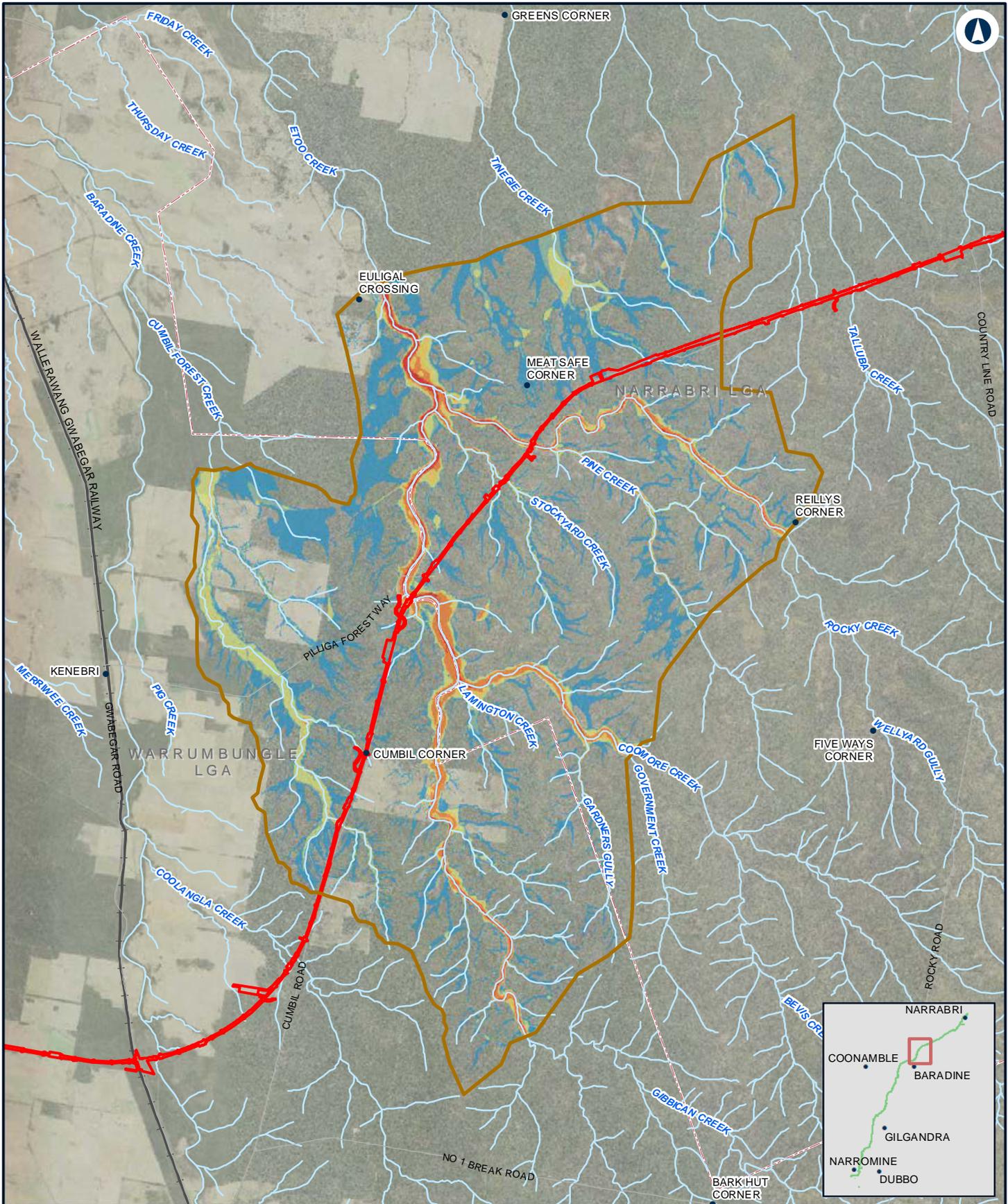
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N6

Appendix D - Figure 4.7i

0 2 4 Km  
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 Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

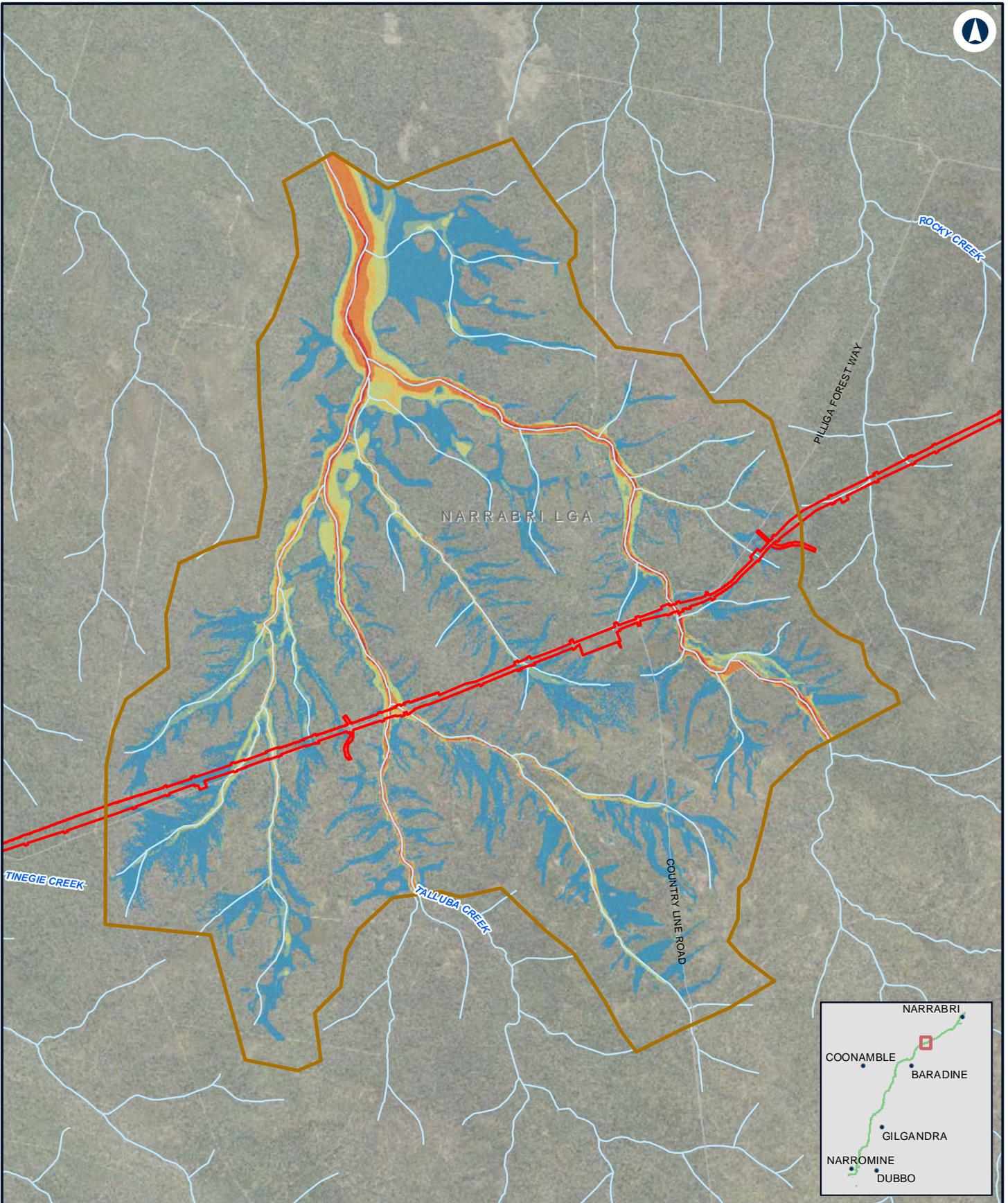
**LEGEND**

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- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

**INLAND RAIL**

**ARTC**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N5

Appendix D - Figure 4.7j



Coordinate System: GDA 1994 MGA Zone 55

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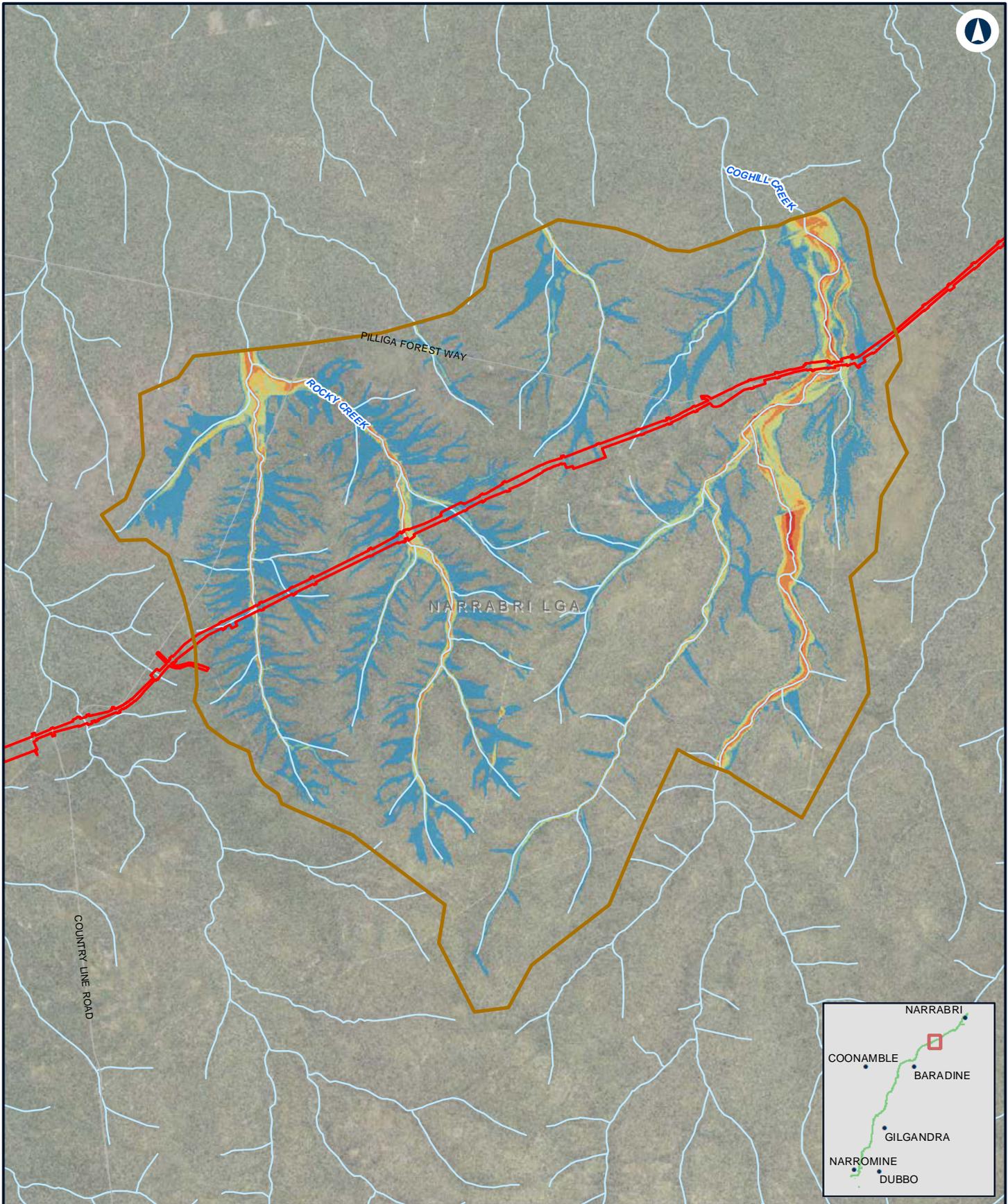
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N4

Appendix D - Figure 4.7k



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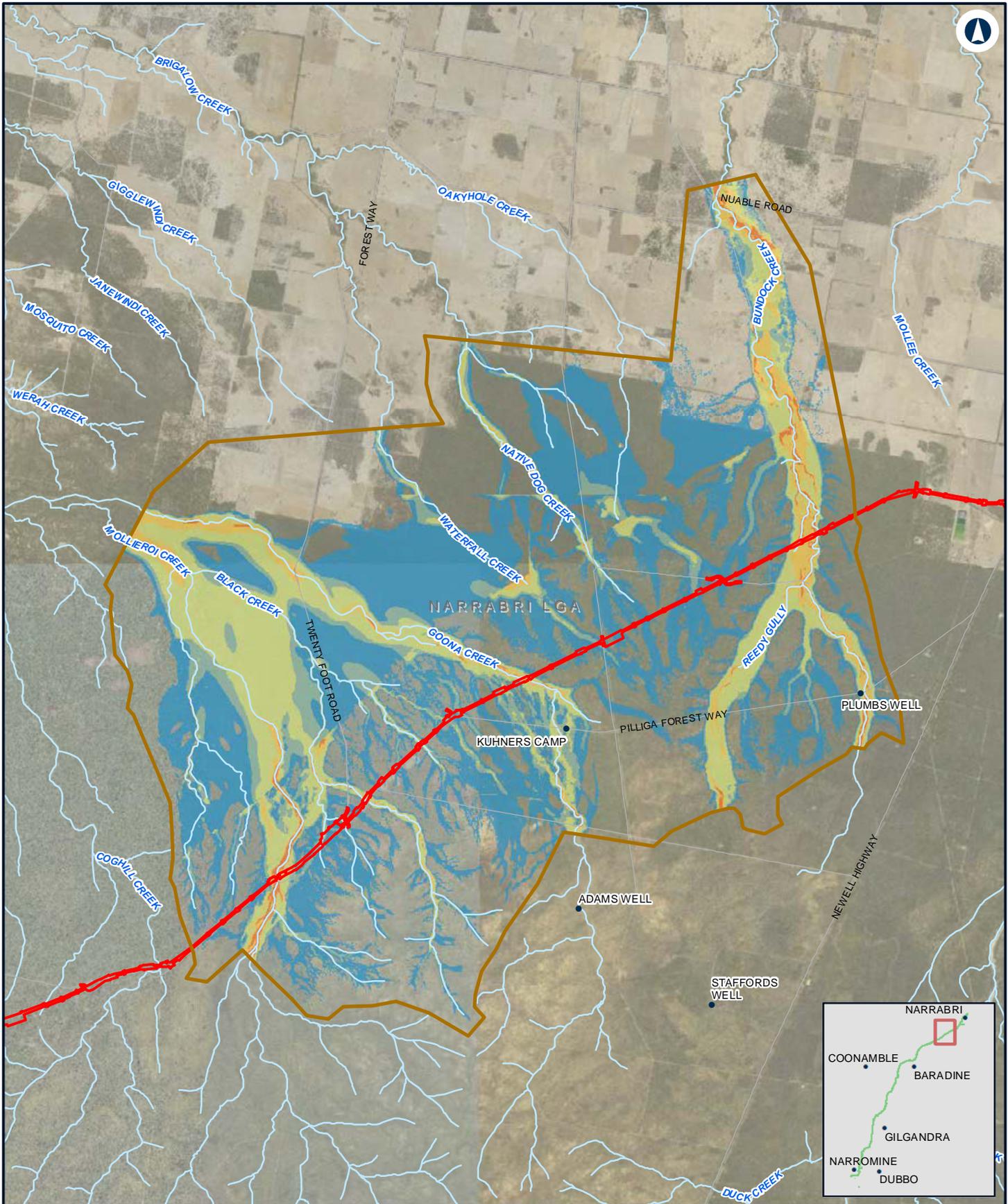
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:80,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
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- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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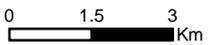
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N23

Appendix D - Figure 4.7I



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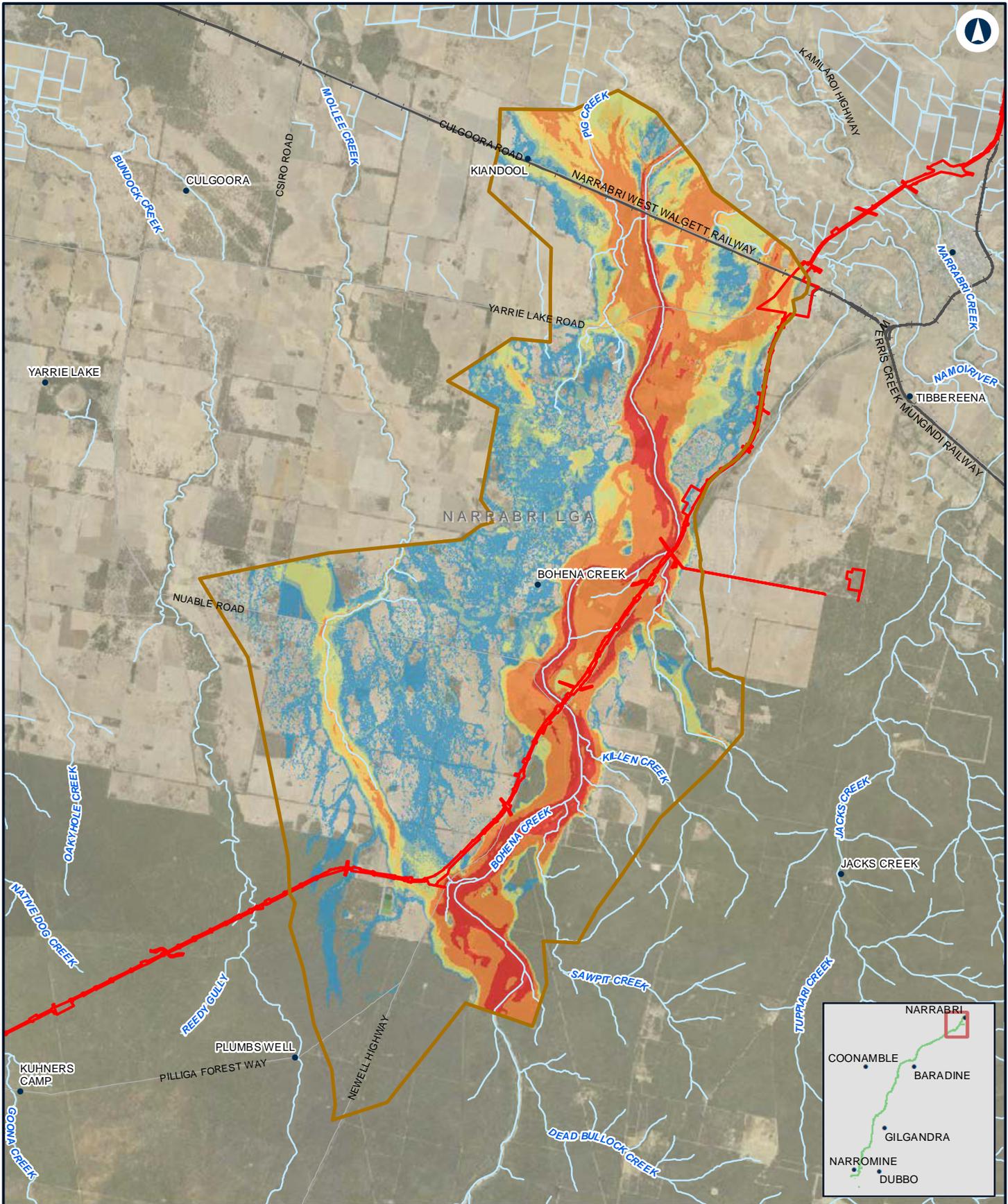
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



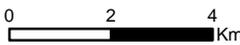
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - N2N1

Appendix D - Figure 4.7m



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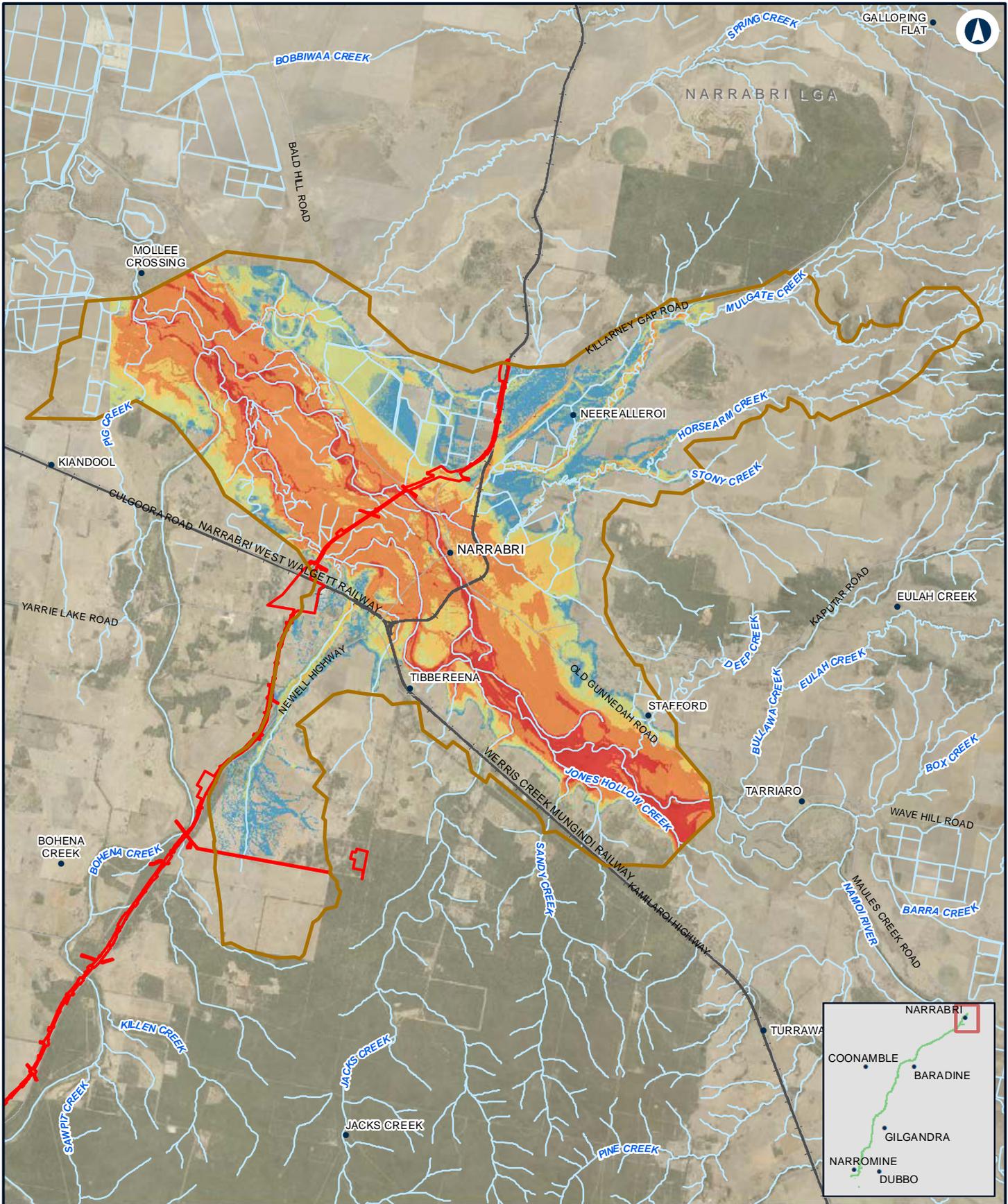
Date: 10/01/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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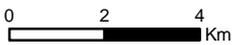
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**NARROMINE TO NARRABRI**

Existing flood hazard - 0.2% AEP - Narrabri

Appendix D - Figure 4.7n



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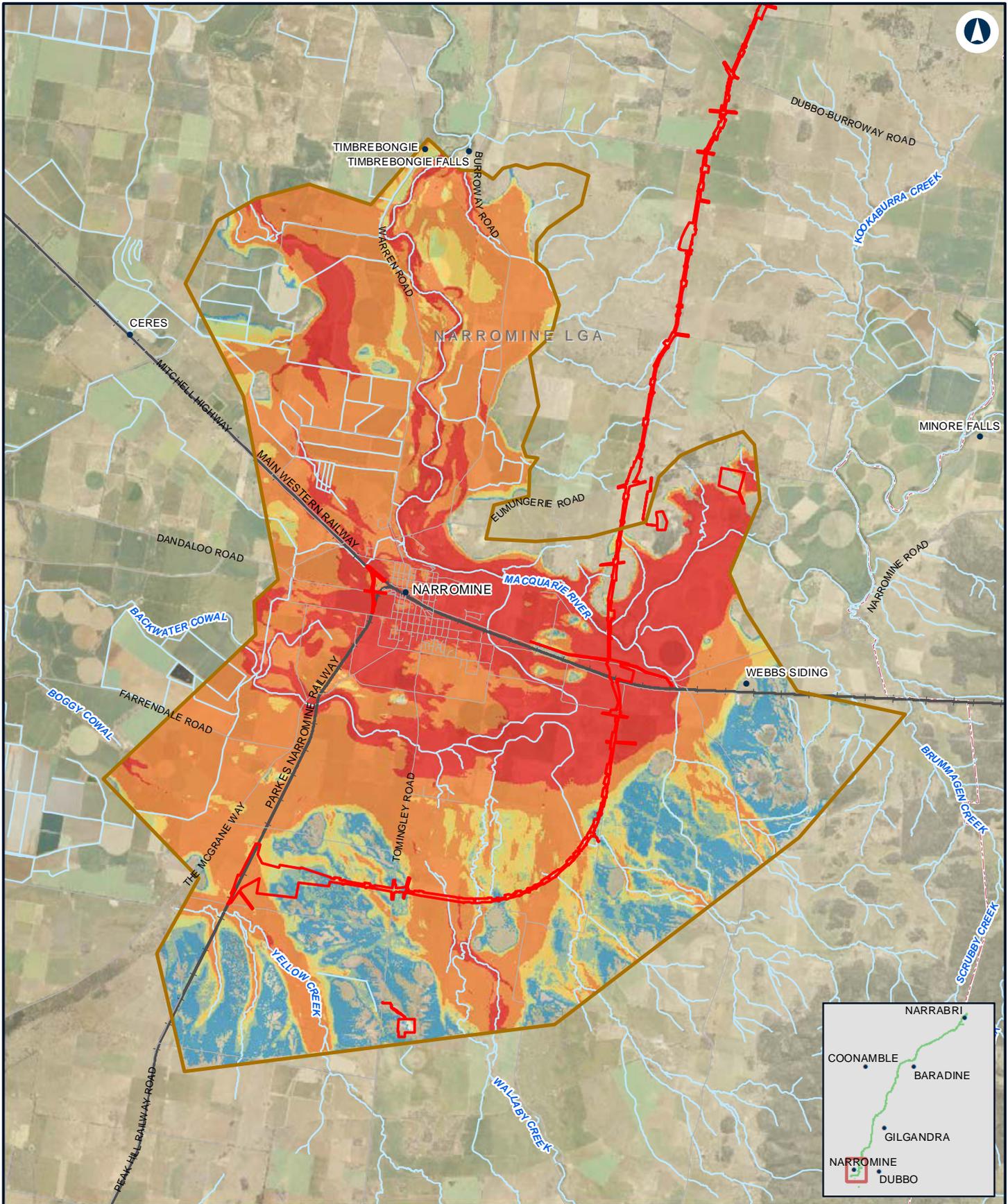
Date: 10/01/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:160,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unsafe for small vehicles
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- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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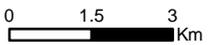
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - NFM**

Appendix D - Figure 4.8a



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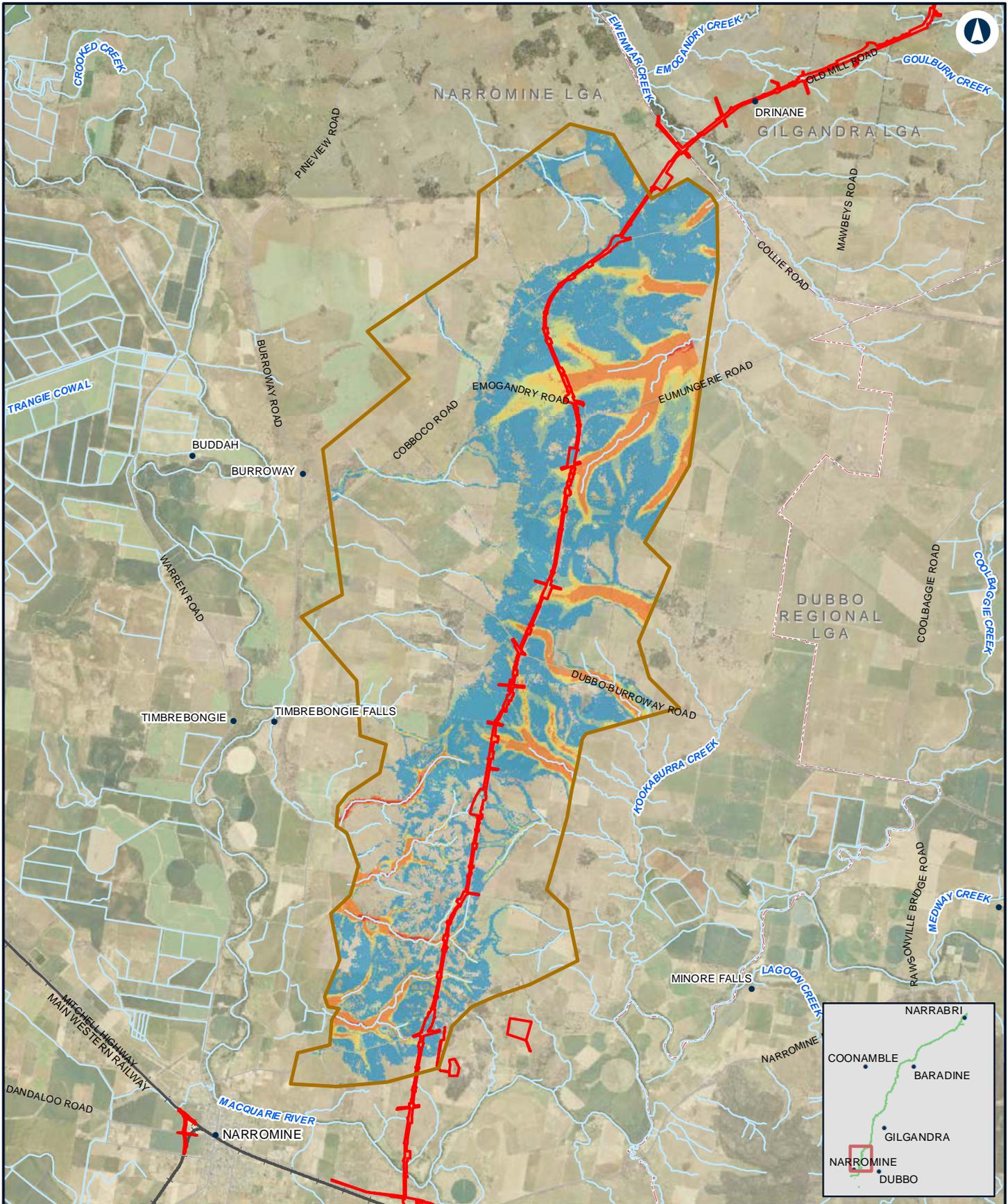
Date: 10/08/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:140,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



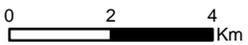
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N14**

Appendix D - Figure 4.8b



**LEGEND**

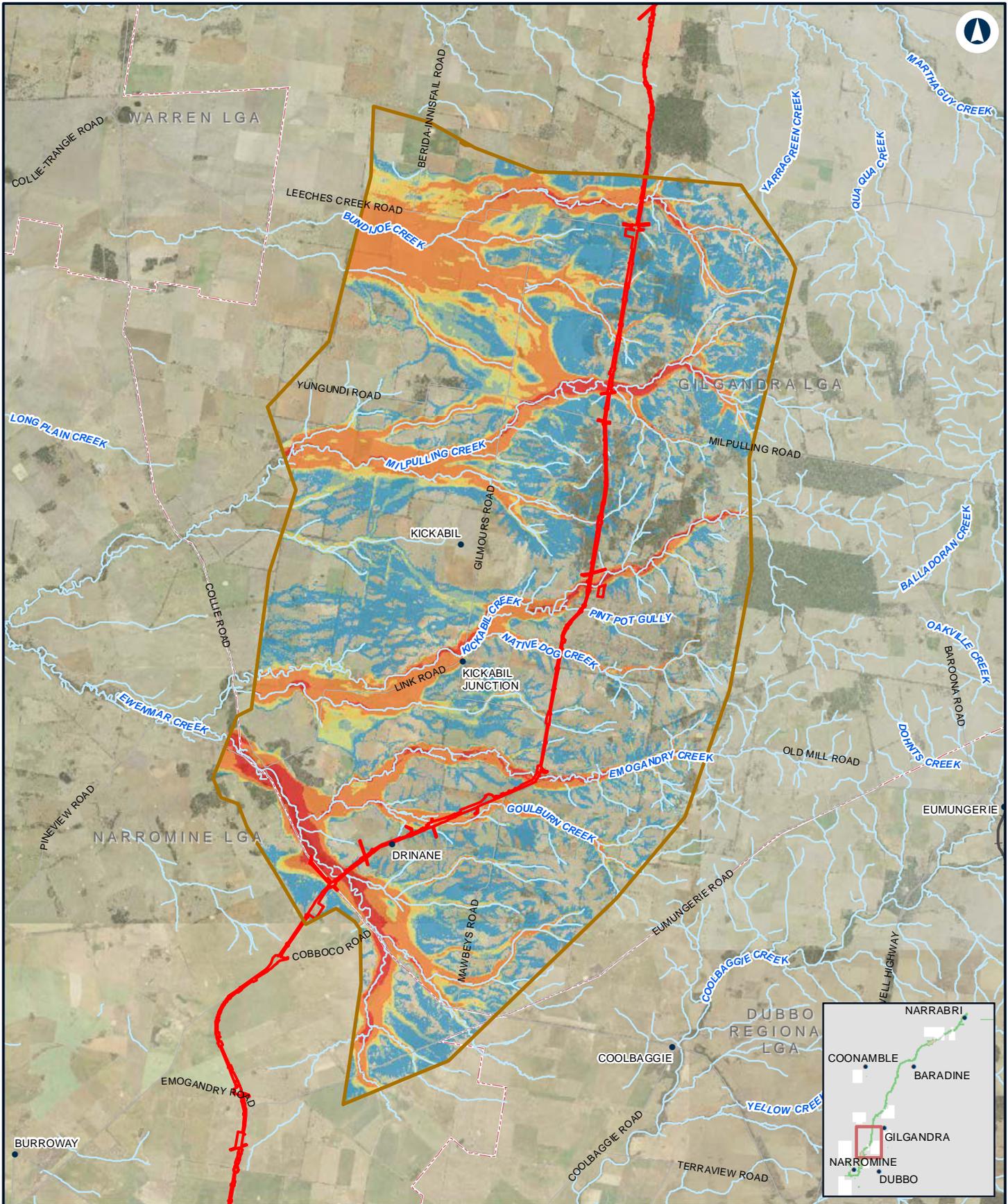
- The proposal site
- Model boundary
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Date: 10/08/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



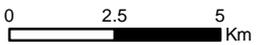
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N13**

Appendix D - Figure 4.8c



Coordinate System: GDA 1994 MGA Zone 55

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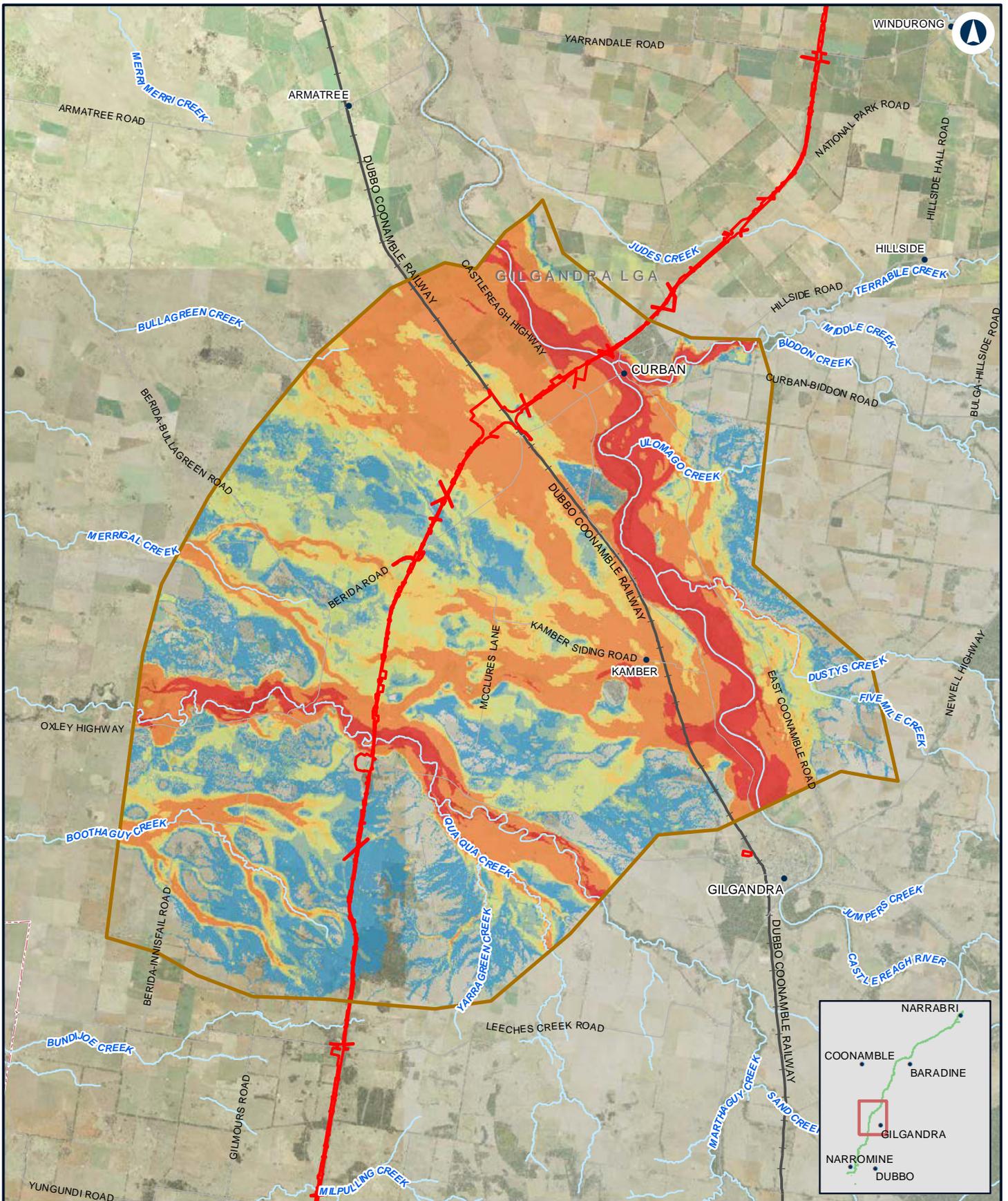
Date: 10/08/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N11N12**

Appendix D - Figure 4.8d



Coordinate System: GDA 1994 MGA Zone 55

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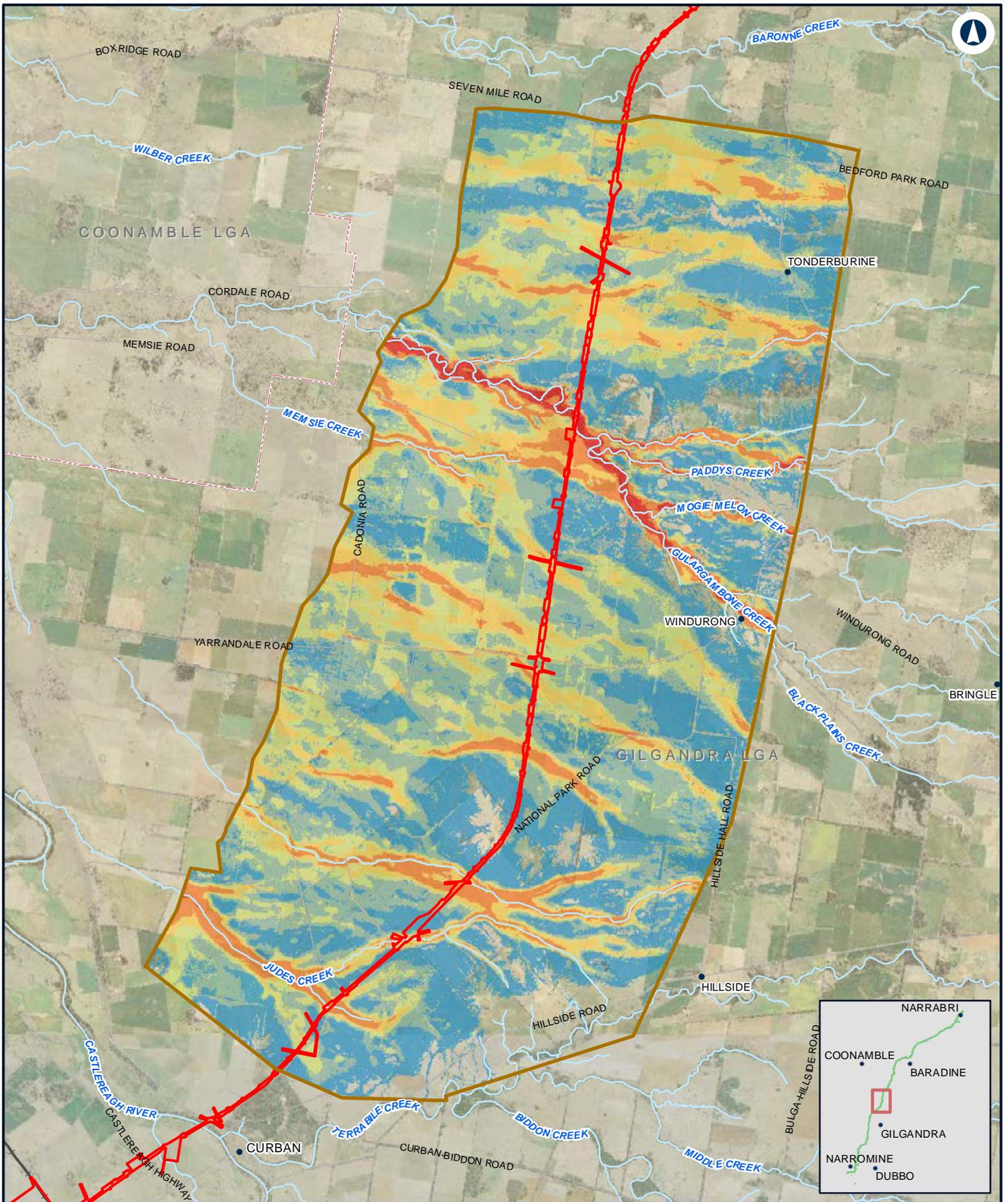
Date: 10/08/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N10**

Appendix D - Figure 4.8e



Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:130,000

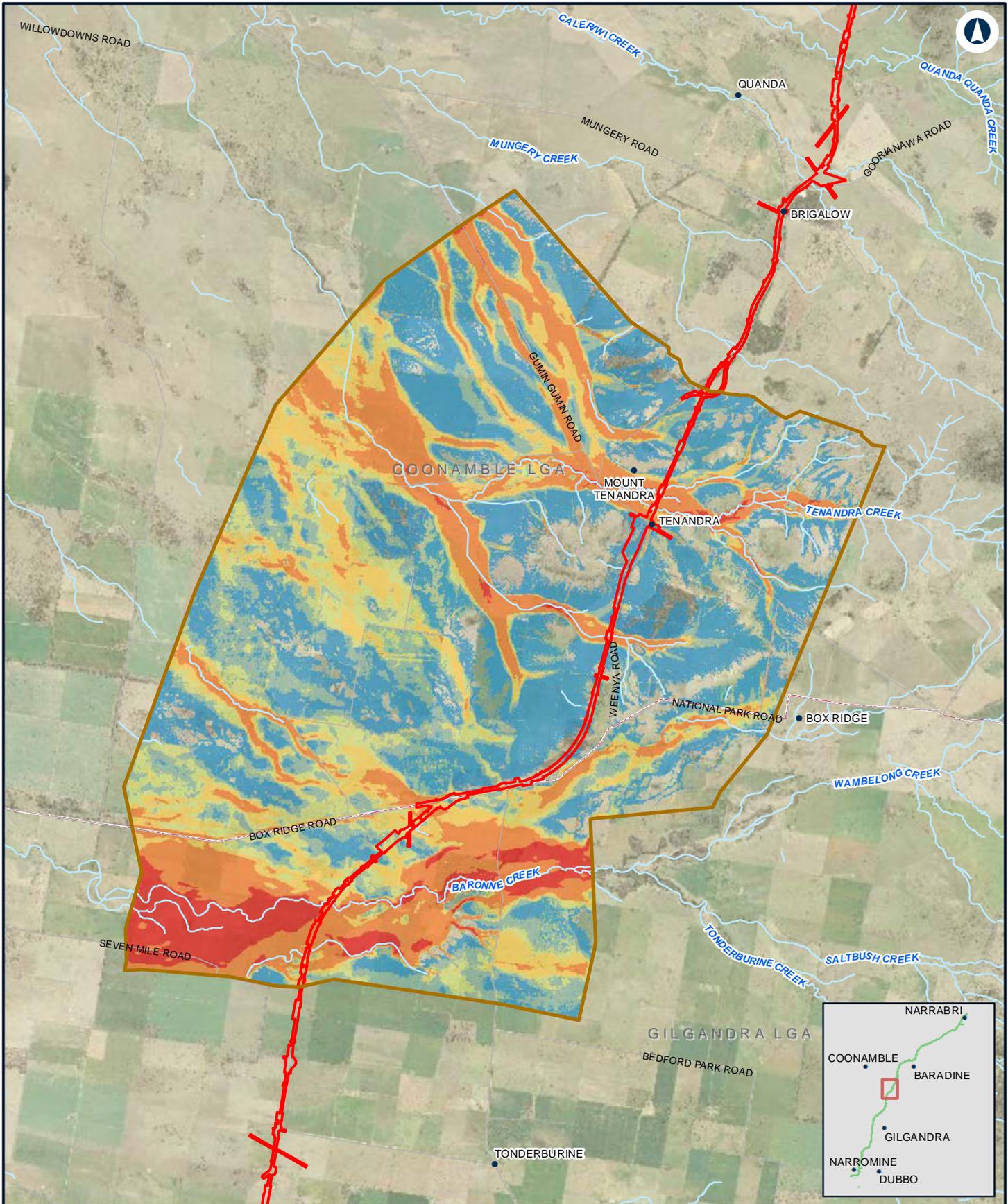
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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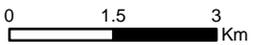
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N9**

Appendix D - Figure 4.8f



**LEGEND**

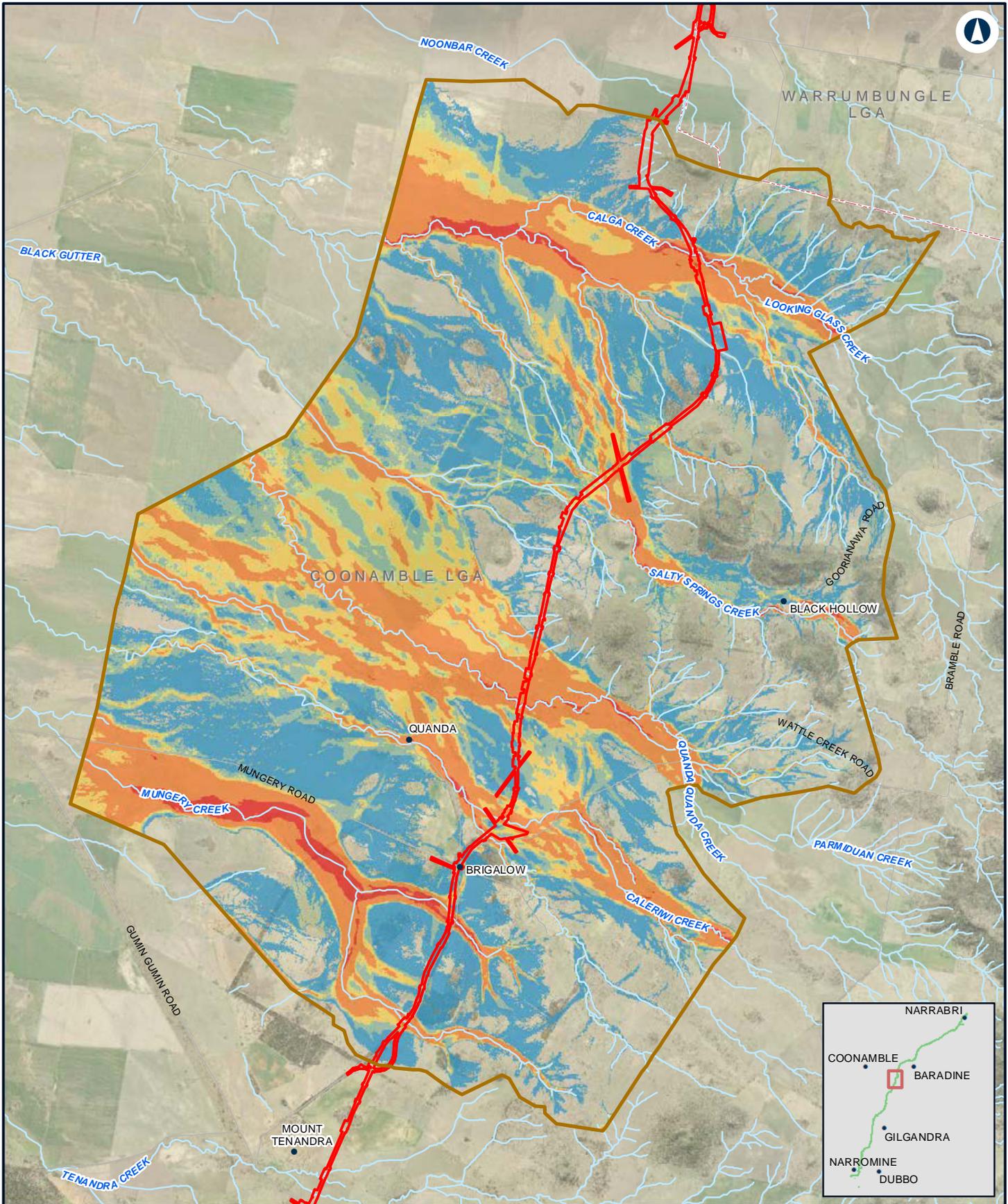
- The proposal site
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- Generally safe for vehicles, people and buildings
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Date: 10/08/2022      Paper: A4  
 Author: JacobsGHD      Scale: 1:110,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



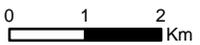
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N8**

Appendix D - Figure 4.8g



Coordinate System: GDA 1994 MGA Zone 55

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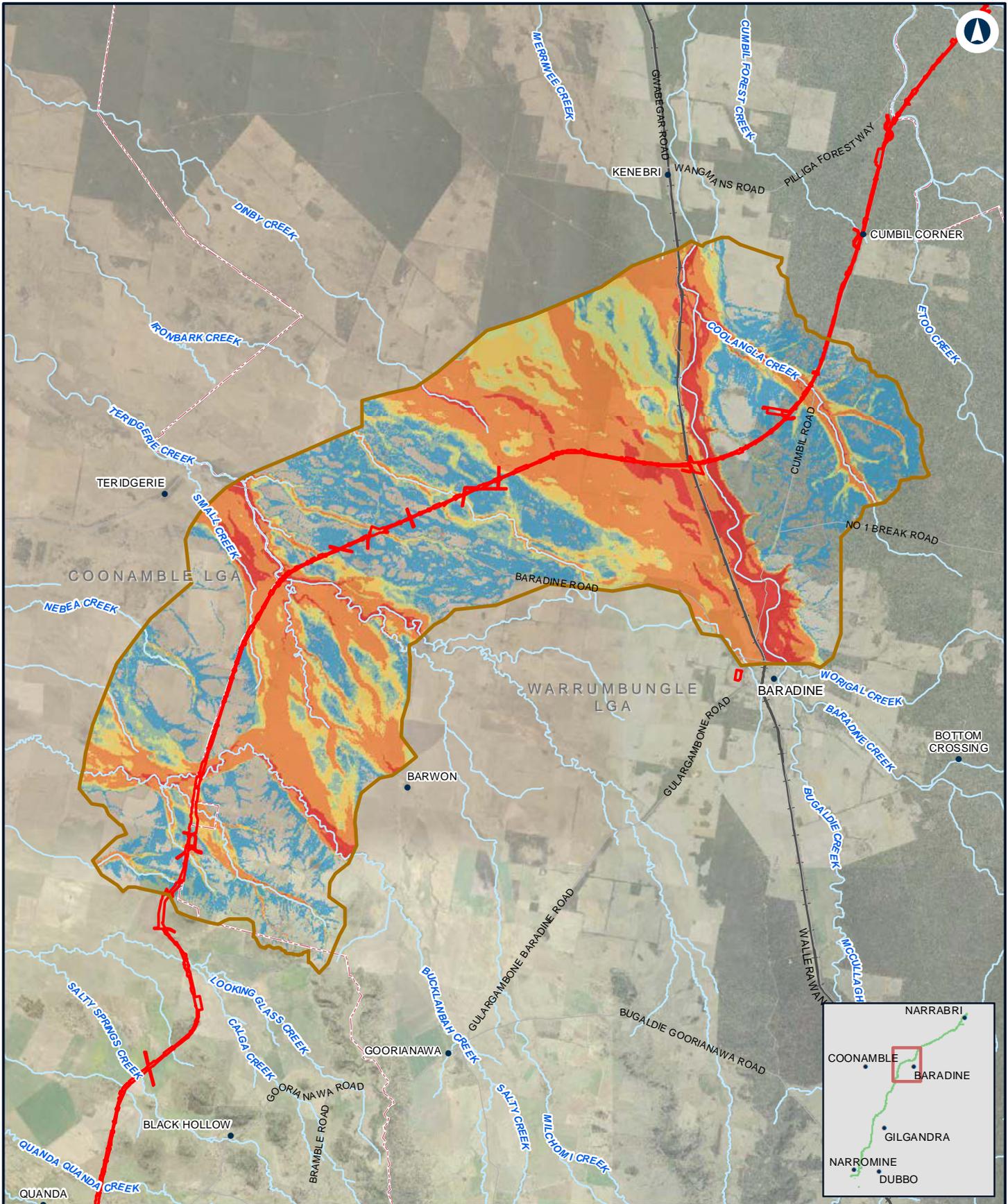
Date: 10/08/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unsafe for vehicles, children and the elderly
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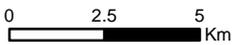
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N7**

Appendix D - Figure 4.8h



Coordinate System: GDA 1994 MGA Zone 55

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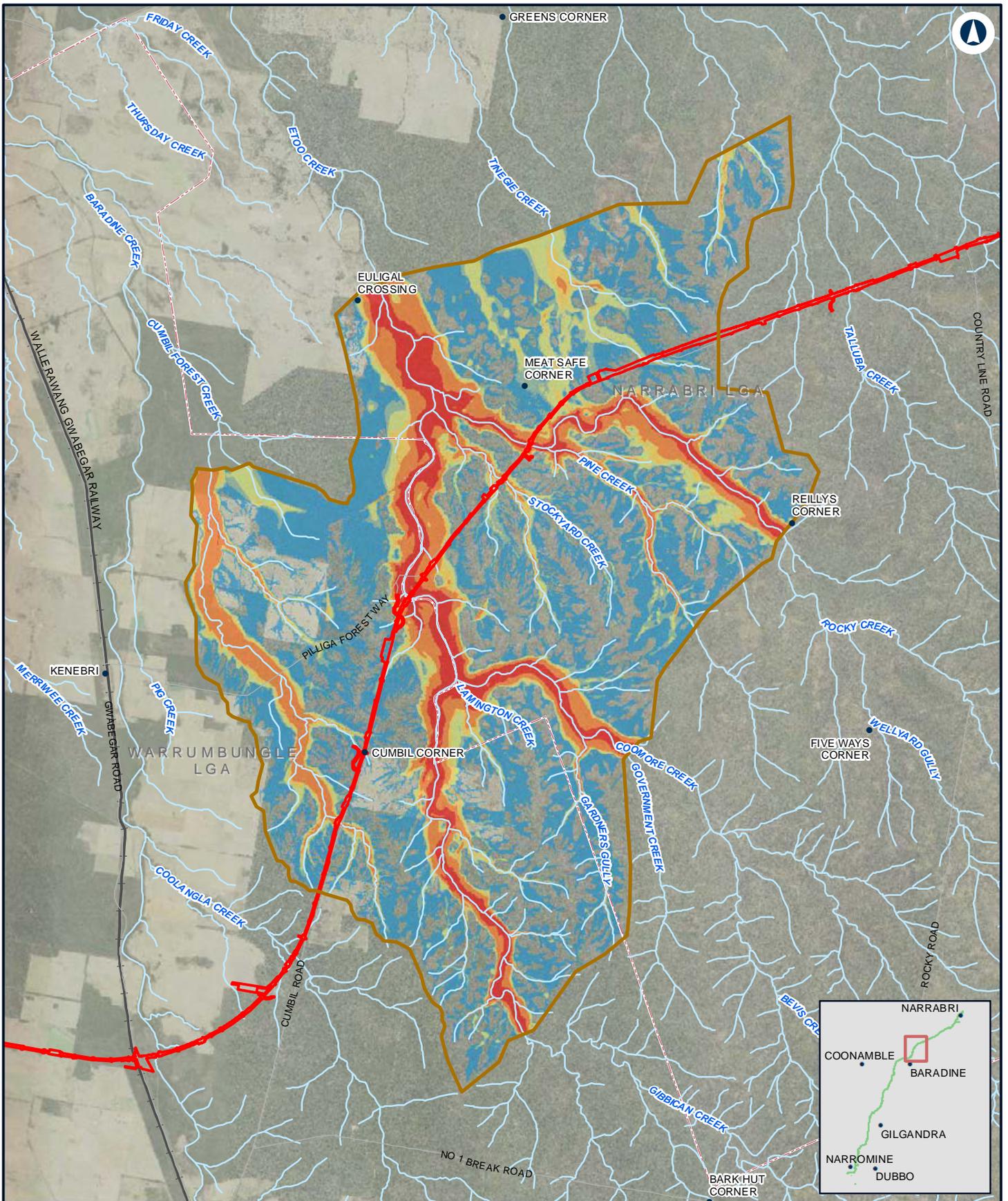
Date: 10/08/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
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- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N6**

Appendix D - Figure 4.8i



Coordinate System: GDA 1994 MGA Zone 55

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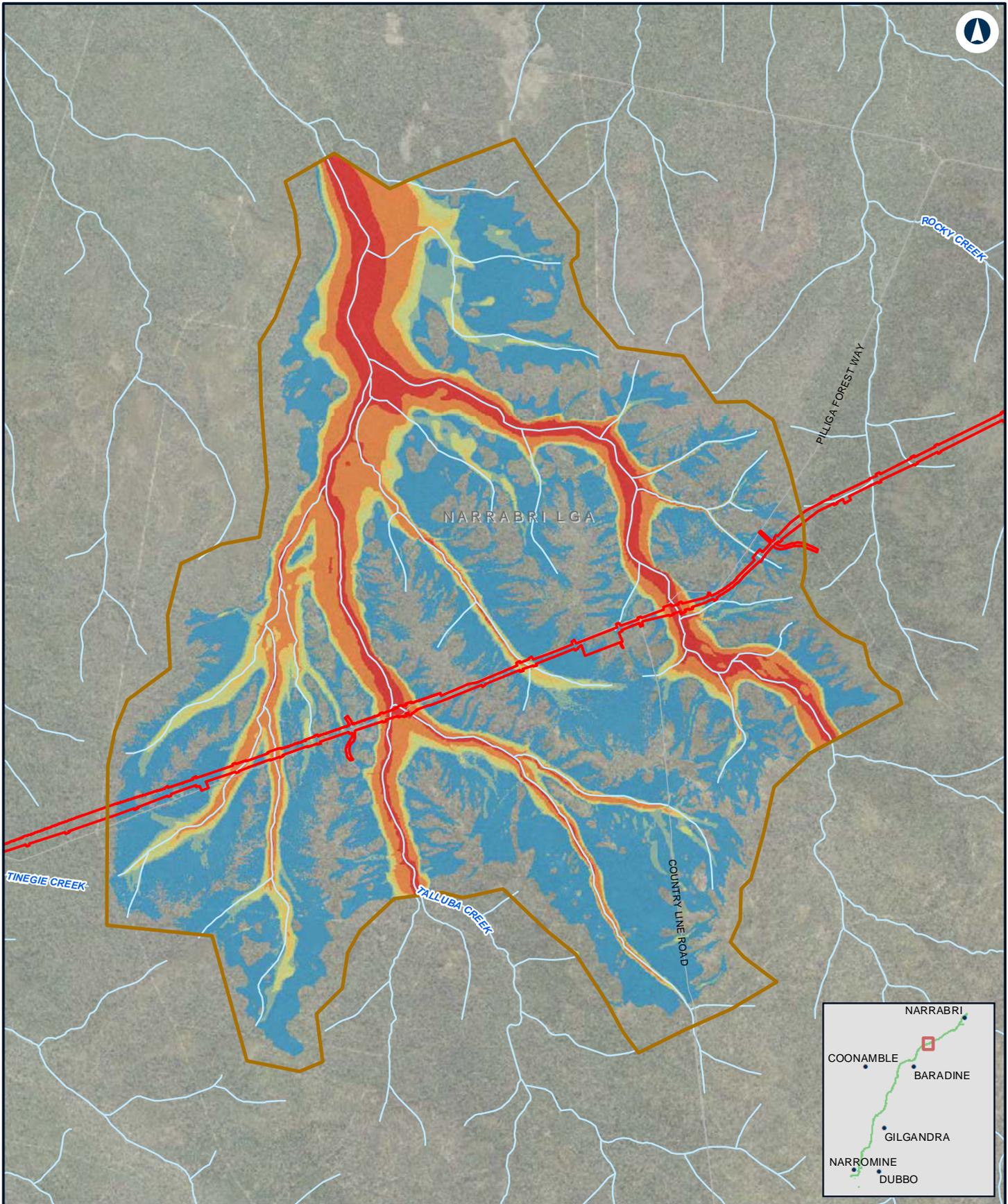
Date: 10/08/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous



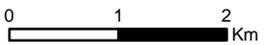
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N5**

Appendix D - Figure 4.8j



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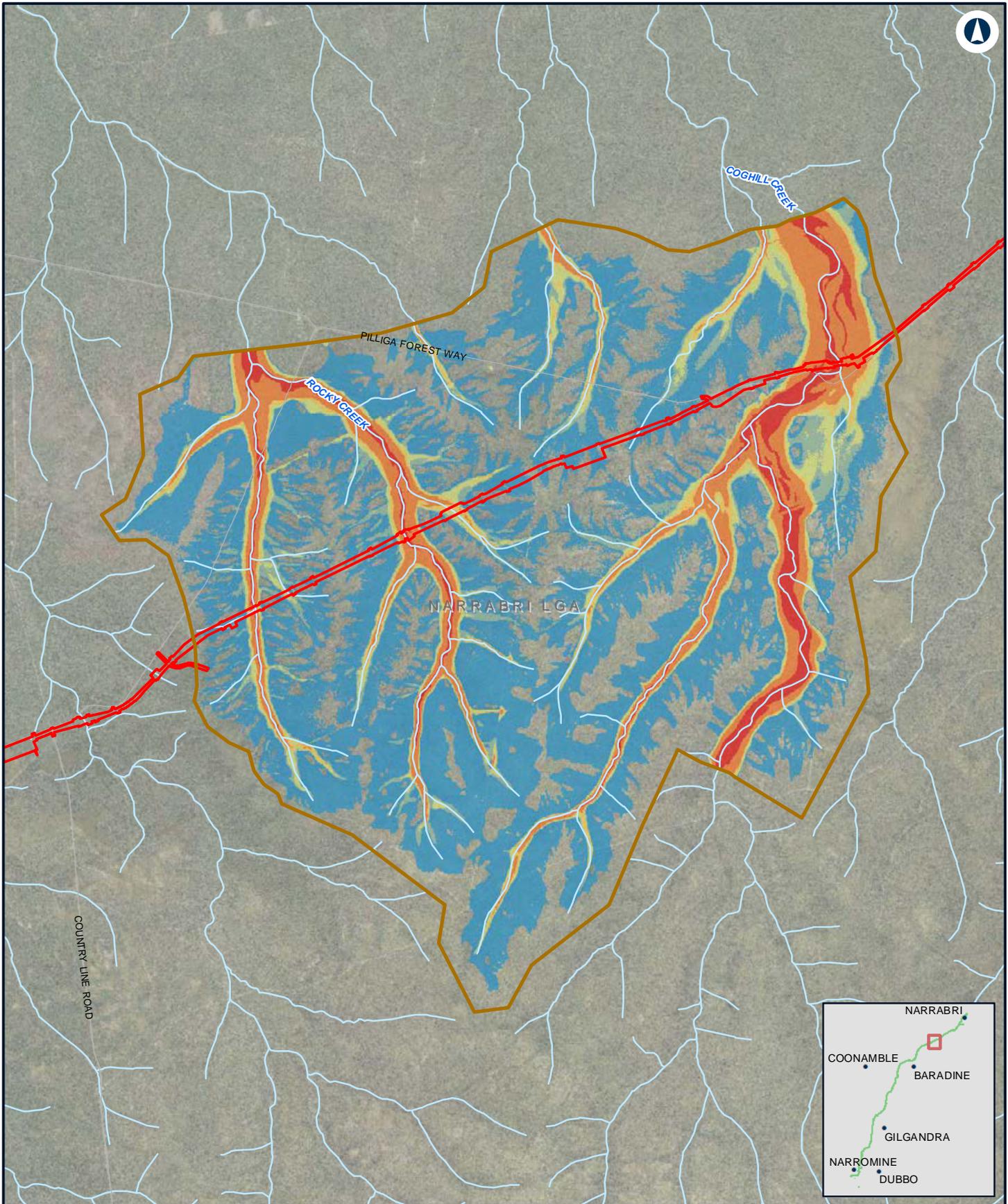
Date: 10/08/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
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- Unsafe for vehicles, children and the elderly
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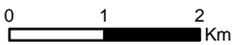
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N4**

Appendix D - Figure 4.8k



Coordinate System: GDA 1994 MGA Zone 55

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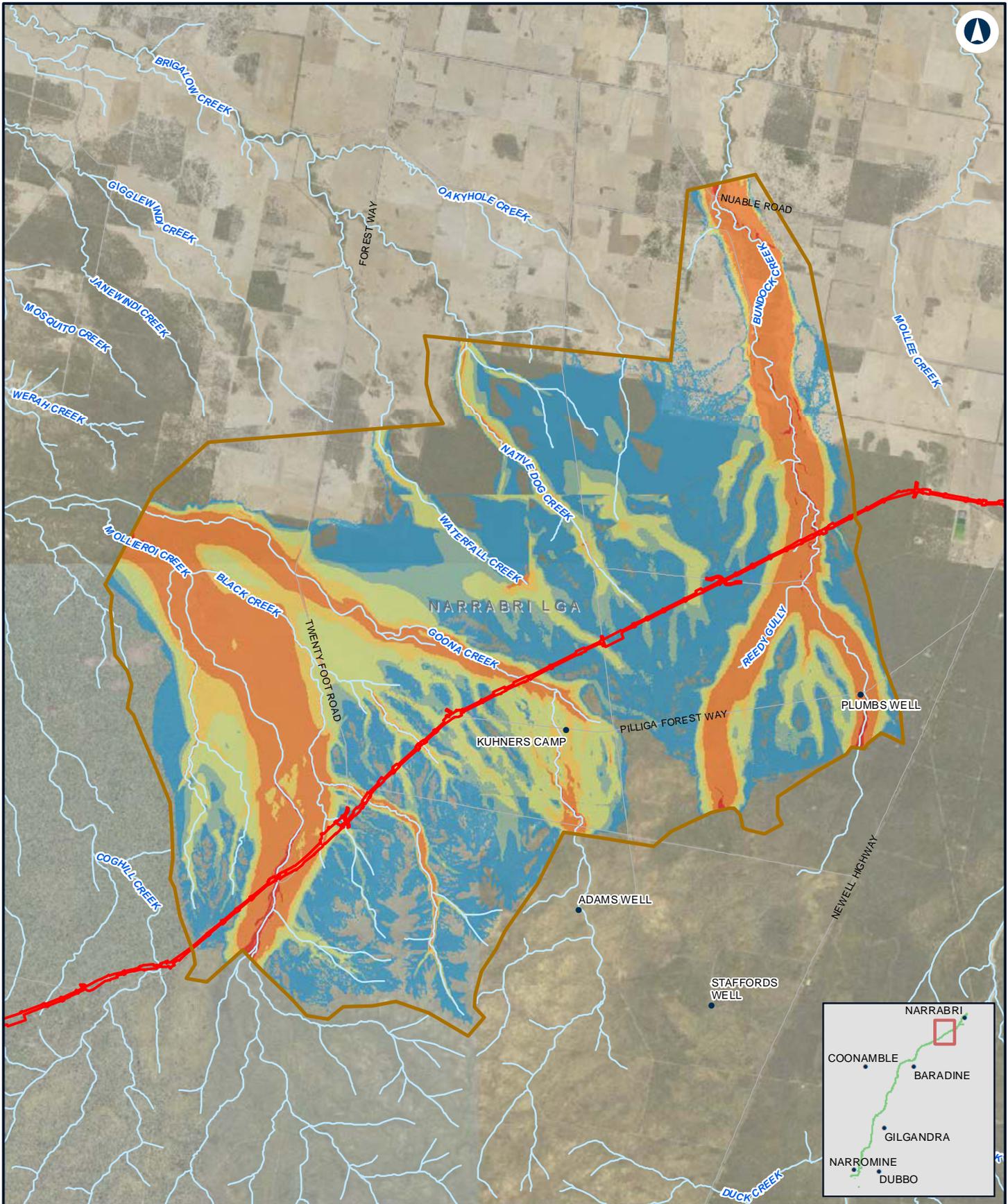
Date: 10/08/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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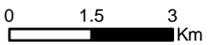
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N23**

Appendix D - Figure 4.8I



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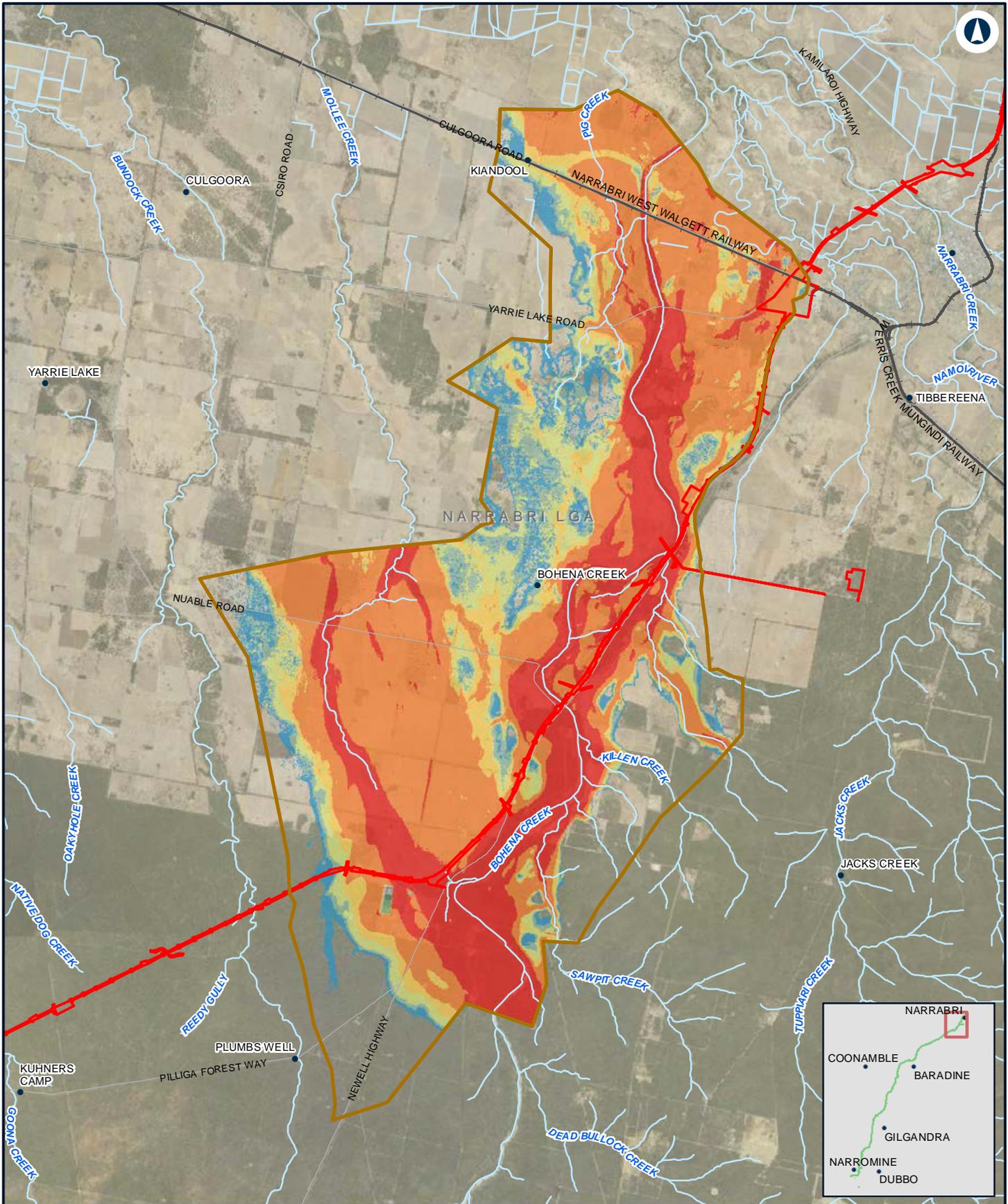
Date: 10/08/2022  
 Author: JacobsGHD  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

- The proposal site
- Model boundary
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- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
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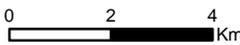
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - N2N1**

Appendix D - Figure 4.8m



**LEGEND**

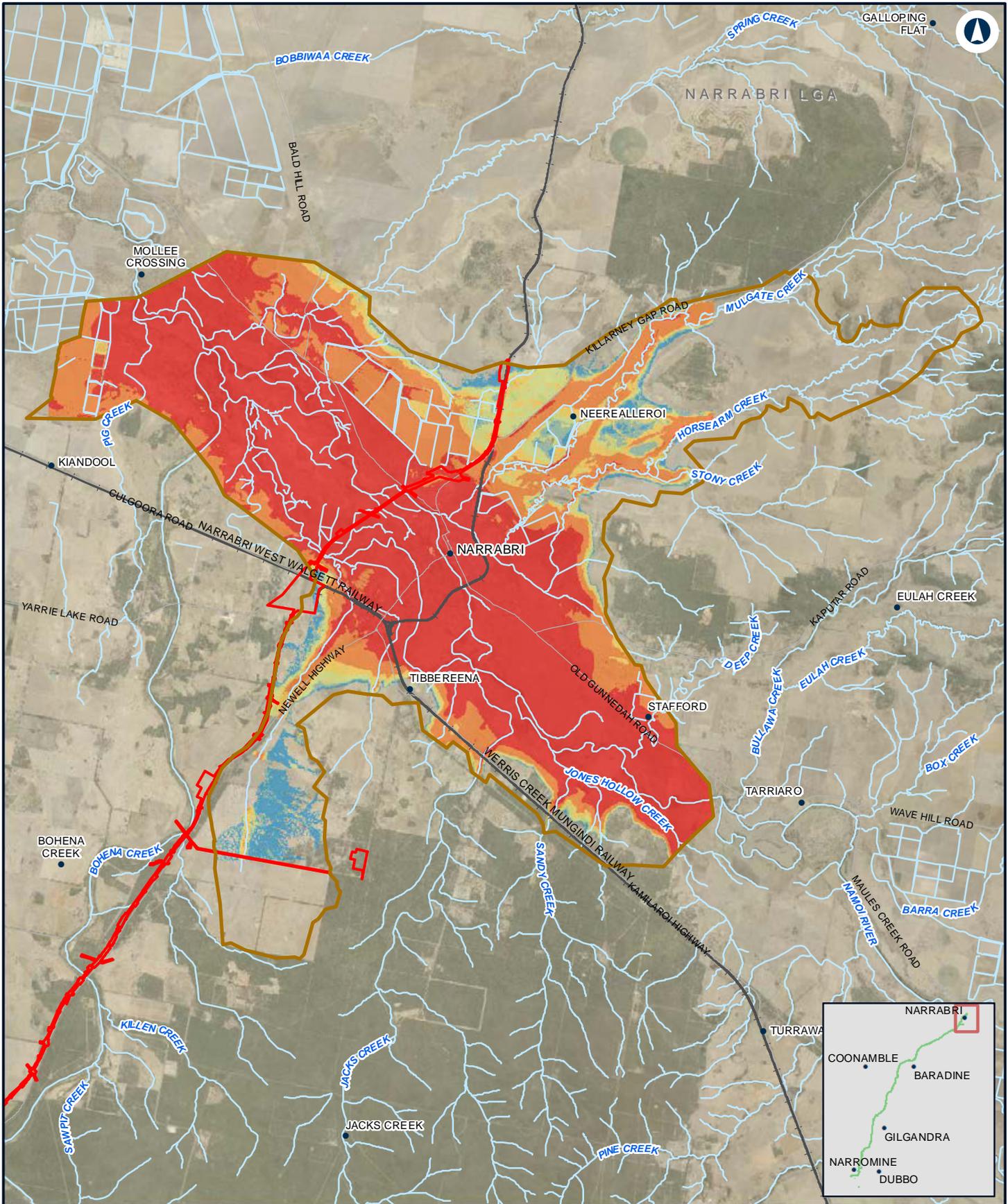
- The proposal site
- Model boundary
- Generally safe for vehicles, people and buildings
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- Unsafe for vehicles, children and the elderly
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

Coordinate System: GDA 1994 MGA Zone 55  
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 Author: JacobsGHD      Scale: 1:150,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



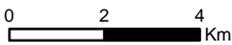
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**NARROMINE TO NARRABRI**

**Existing flood hazard - PMF - Narrabri**

Appendix D - Figure 4.8n



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Date: 10/08/2022 Paper: A4  
 Author: JacobsGHD Scale: 1:160,000  
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

**LEGEND**

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- Model boundary
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