

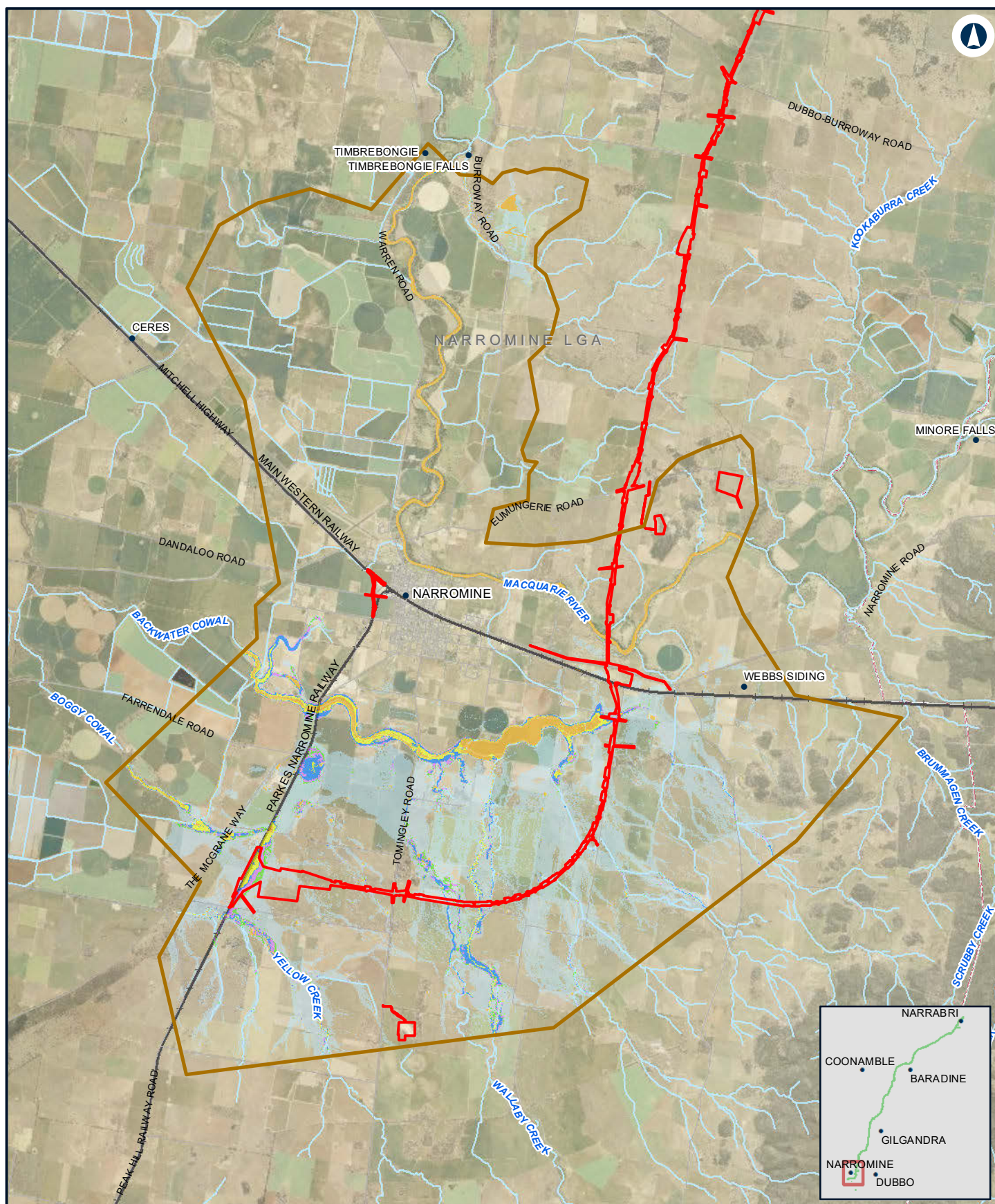
# TECHNICAL REPORT 03

Updated flooding and hydrology assessment

## **Appendix D3** Existing flood durations

NARROMINE TO NARRABRI PROJECT





## NARROMINE TO NARRABRI

Existing duration - 20% AEP - NFM

Appendix D Figure 3.1a

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: 1:140,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

  > 24hrs

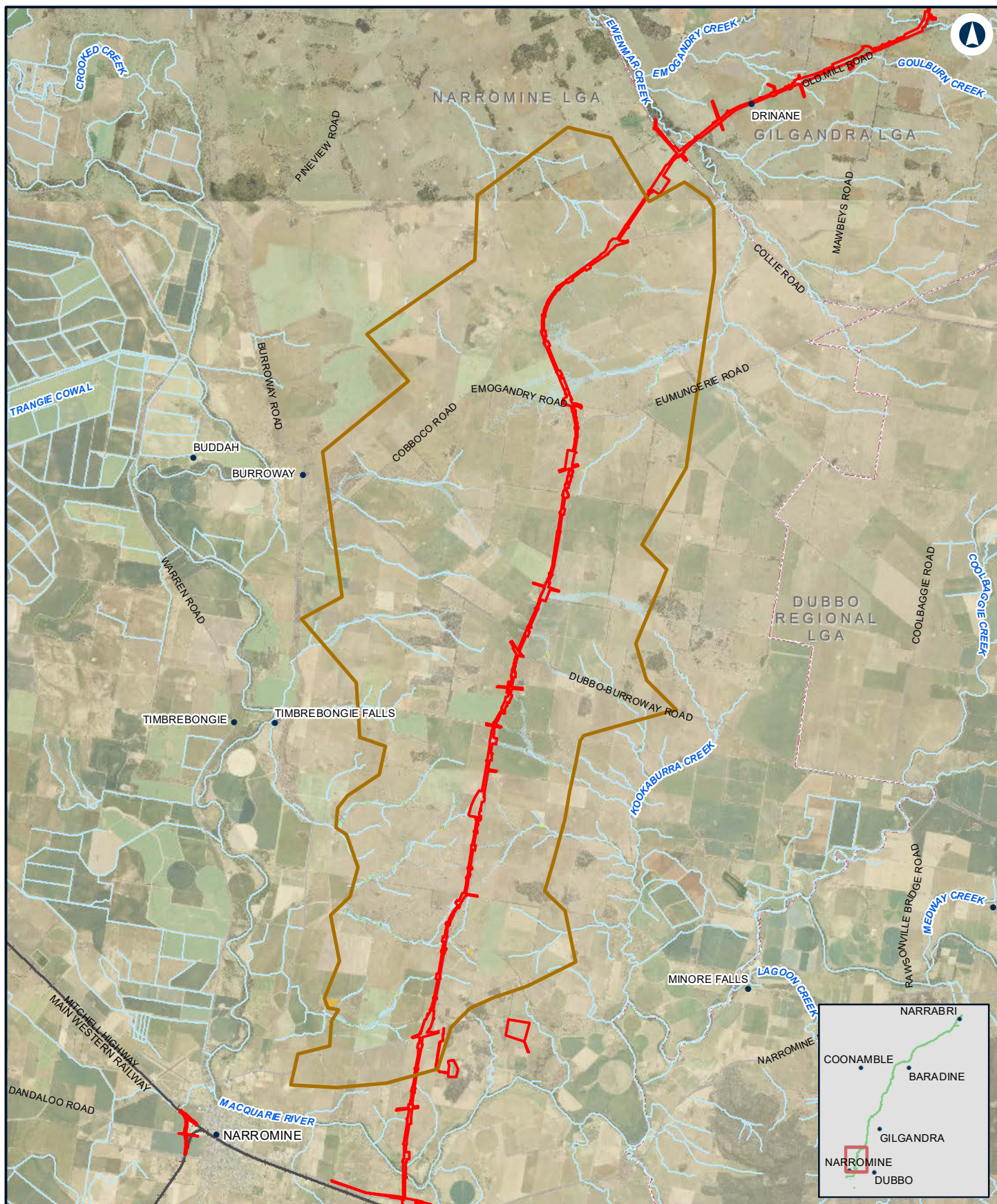
  Flood extent

**INLAND  
RAIL**

**ARTC**

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





## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N14

Appendix D Figure 3.1b

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

Flood extent

Model boundary

Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

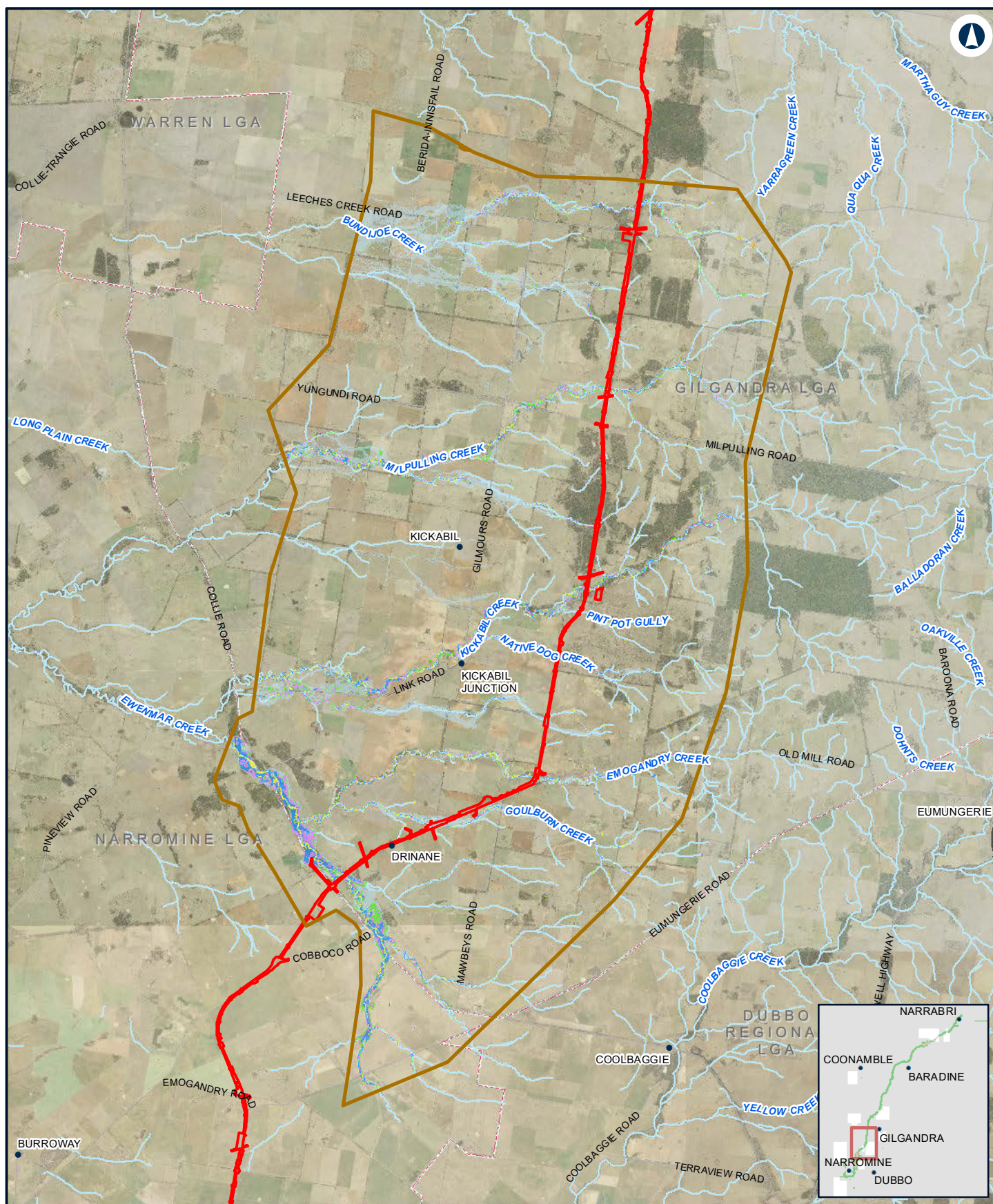
> 24hrs

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0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:180,000

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

#### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

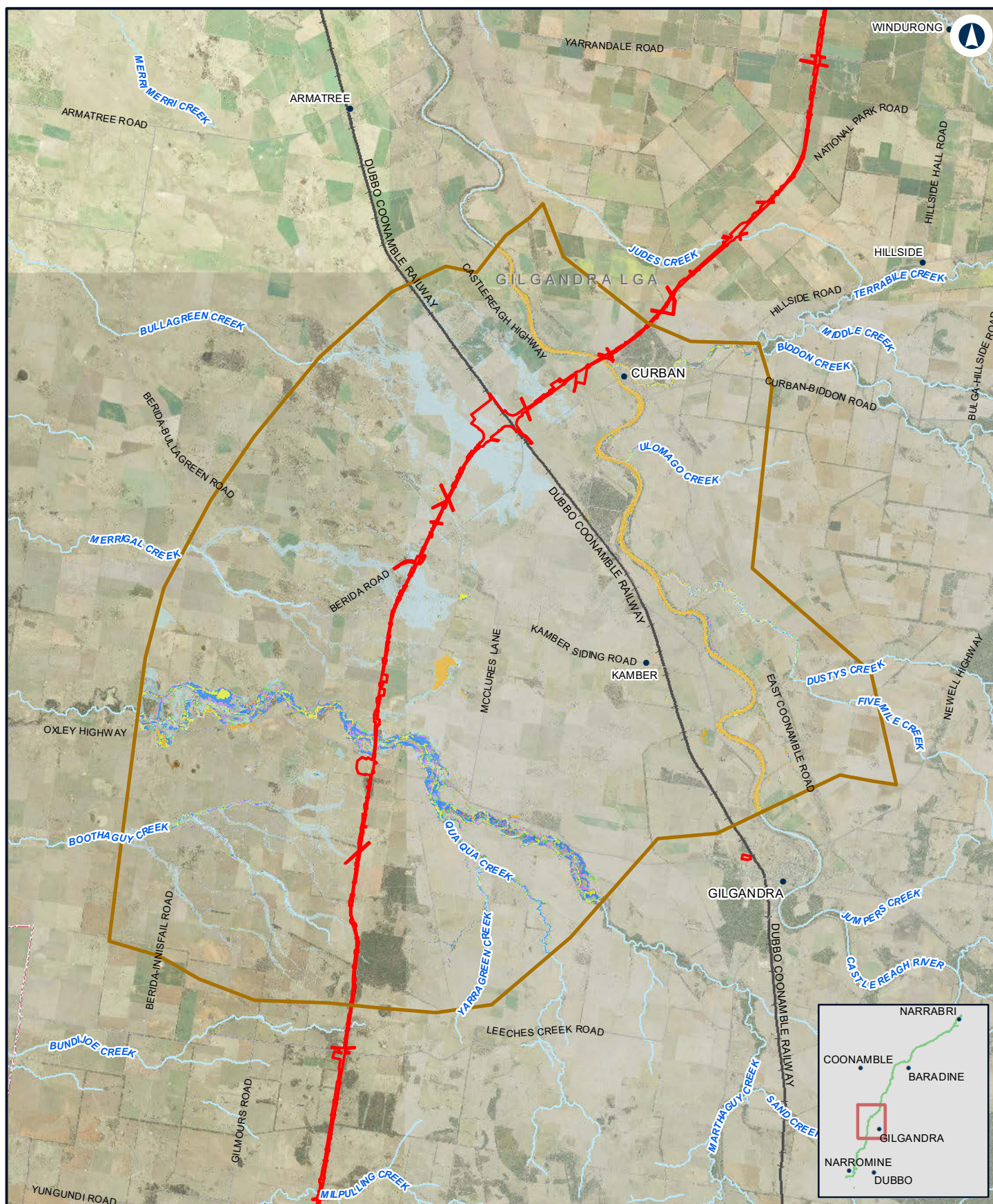
> 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N11N12

Appendix D Figure 3.1d

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N10

Appendix D Figure 3.1e

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:130,000

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

### LEGEND

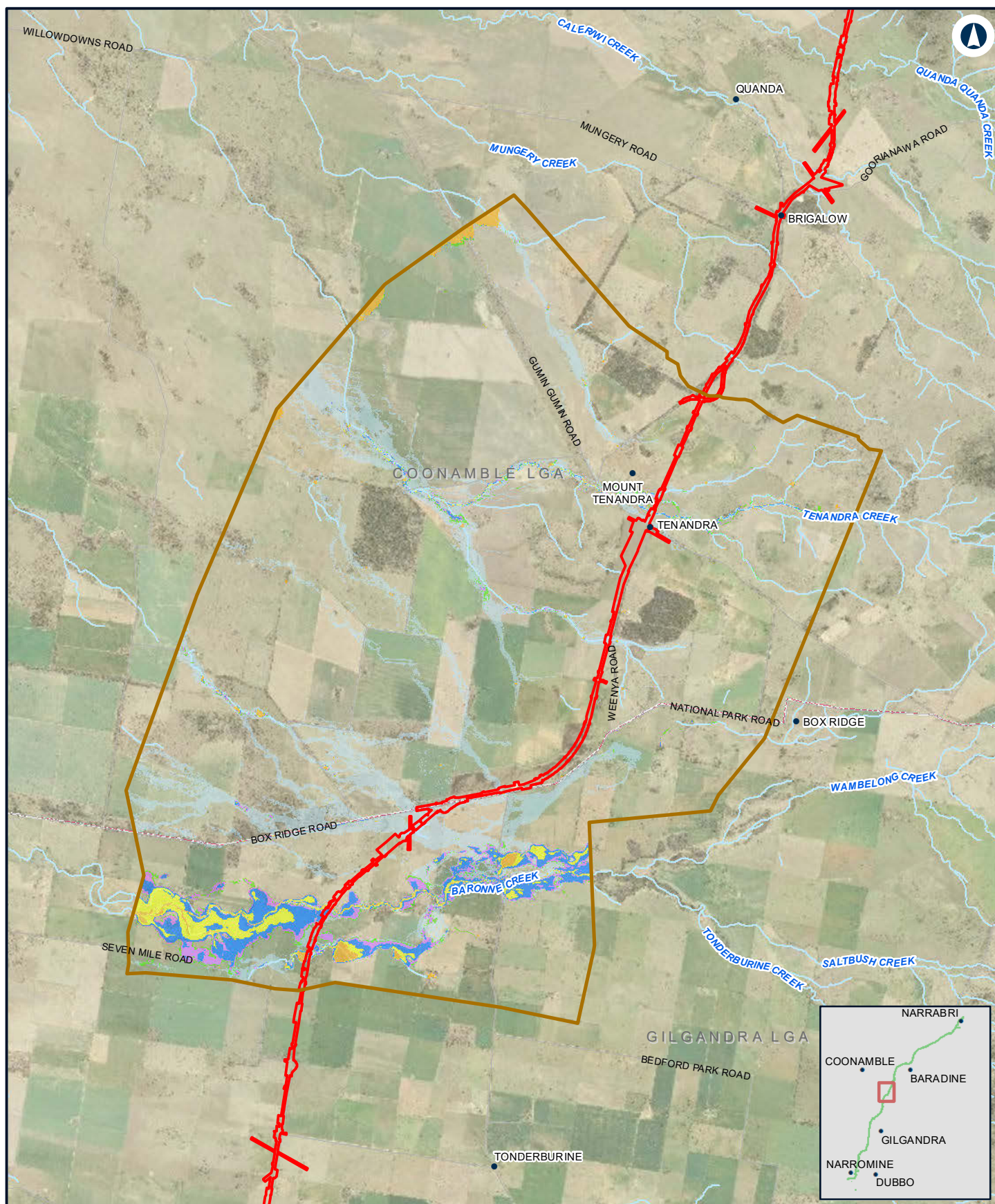
- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N9

Appendix D Figure 3.1f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:110,000

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

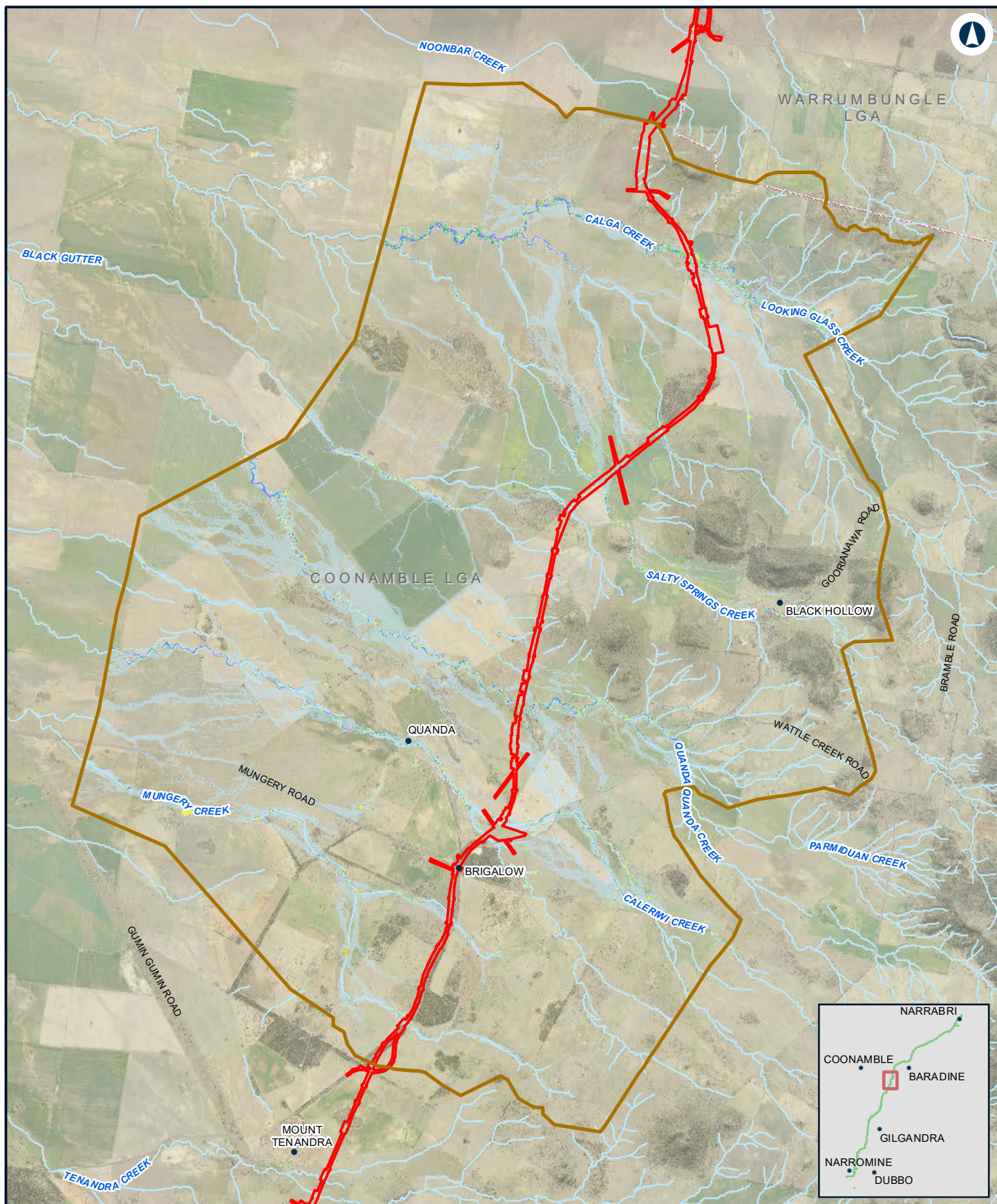
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N8

Appendix D Figure 3.1g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:100,000

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

### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

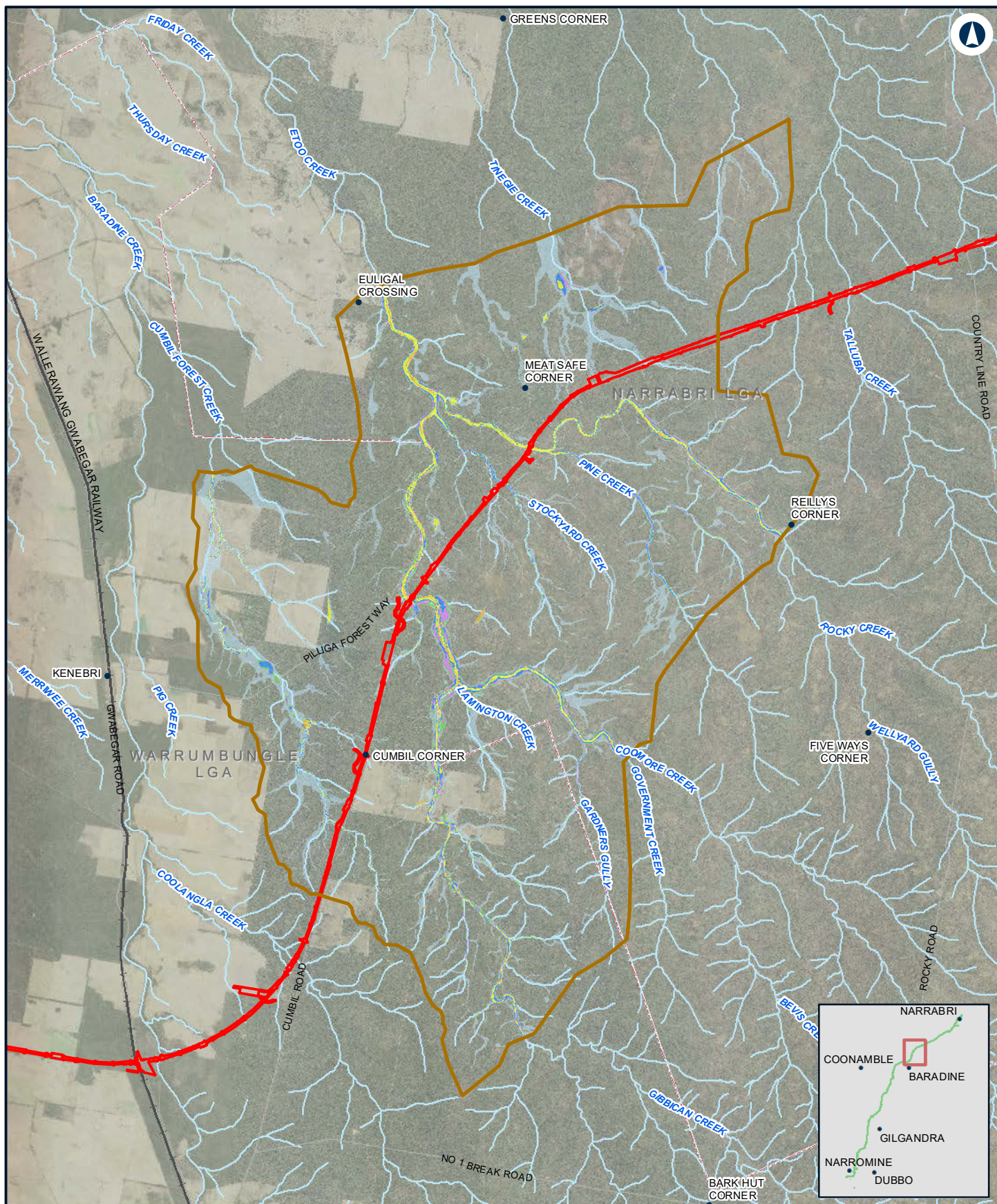
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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N6

Appendix D Figure 3.1i

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   Flood extent

  Model boundary

### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

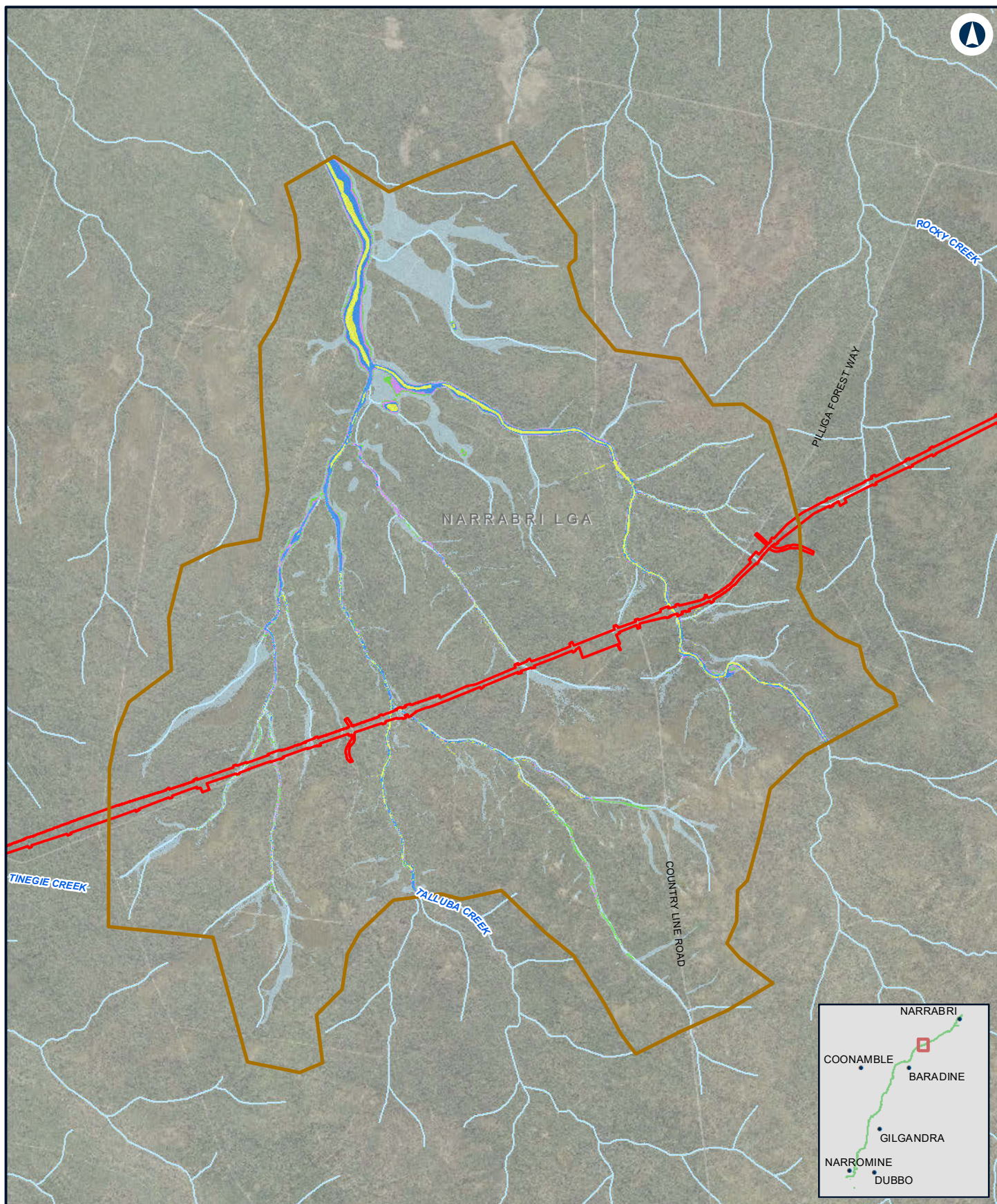
  12hrs - 24hrs

  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N5

Appendix D Figure 3.1j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:70,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

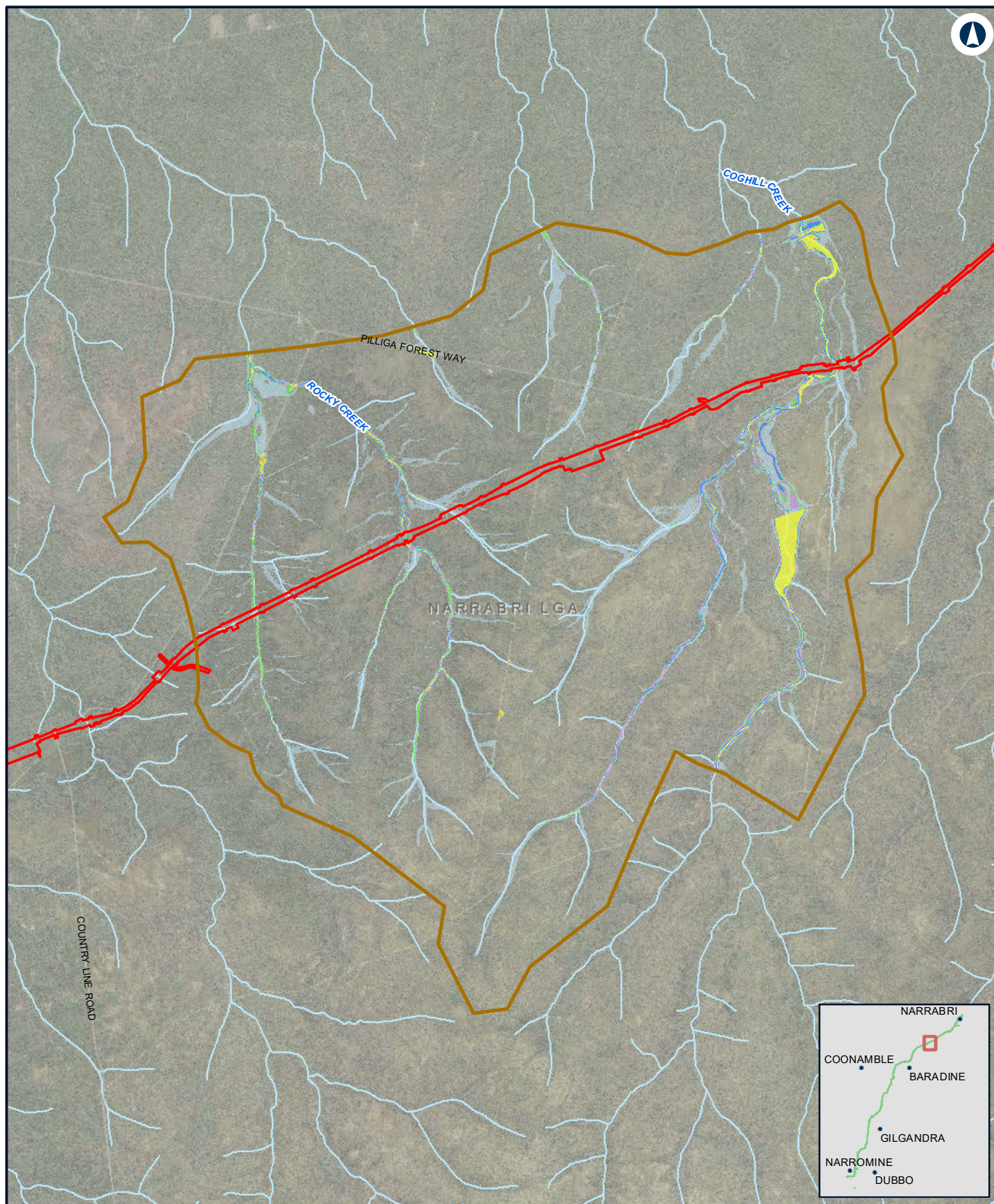
  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N4

Appendix D Figure 3.1k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:80,000

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

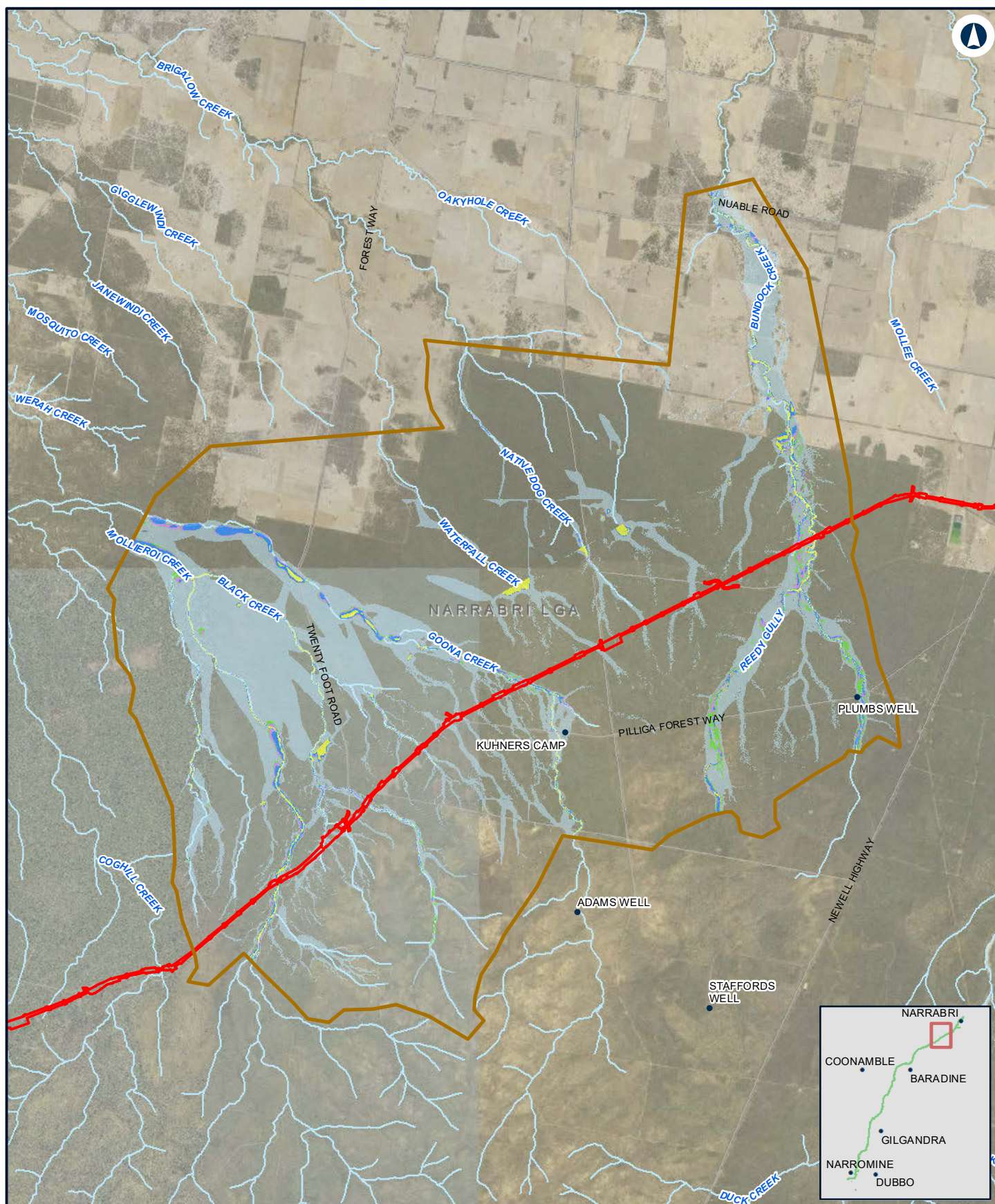
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N23

Appendix D Figure 3.1I

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:140,000

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

### LEGEND

The proposal site

Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

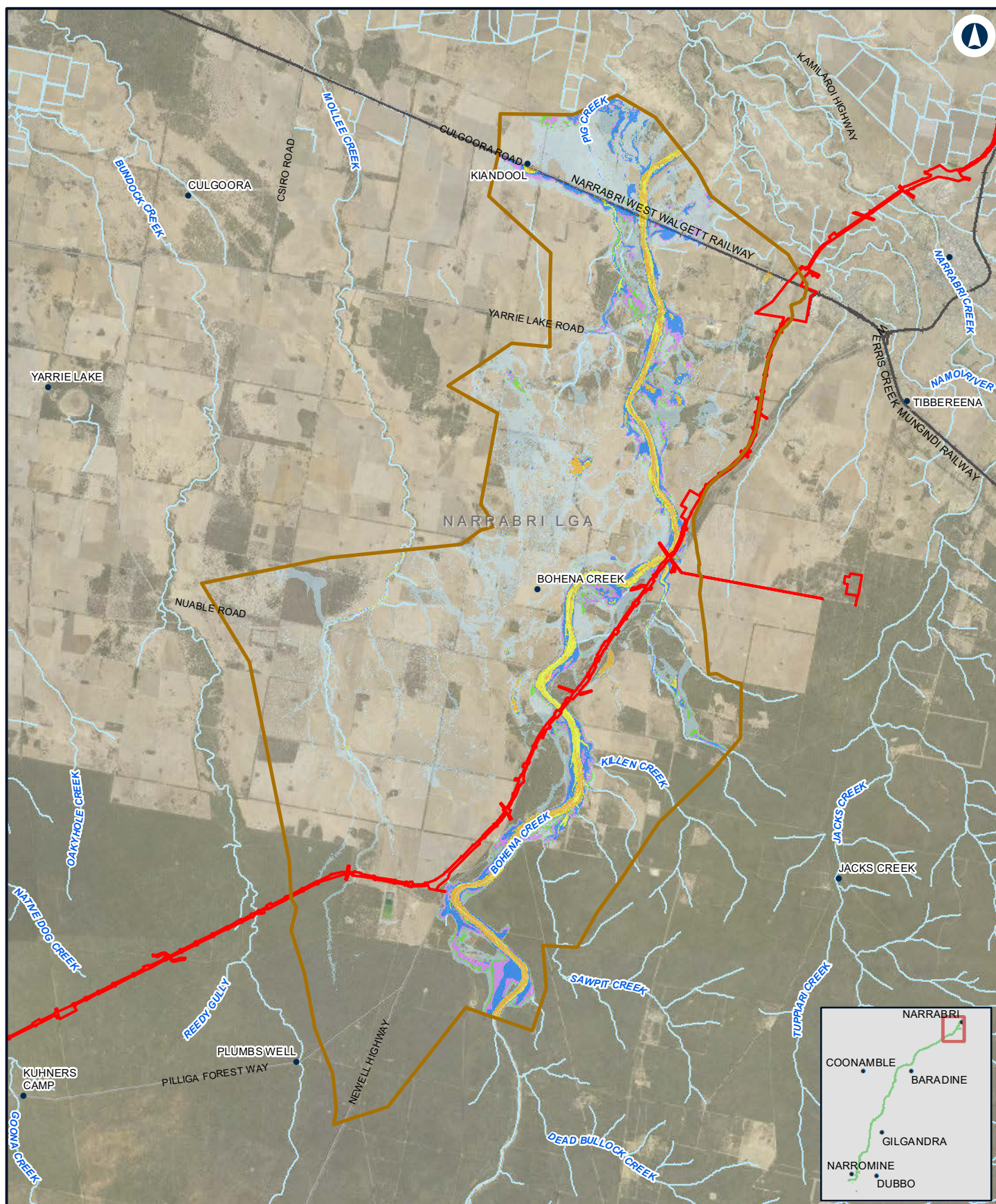
12hrs - 24hrs

Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - N2N1

Appendix D Figure 3.1m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:150,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

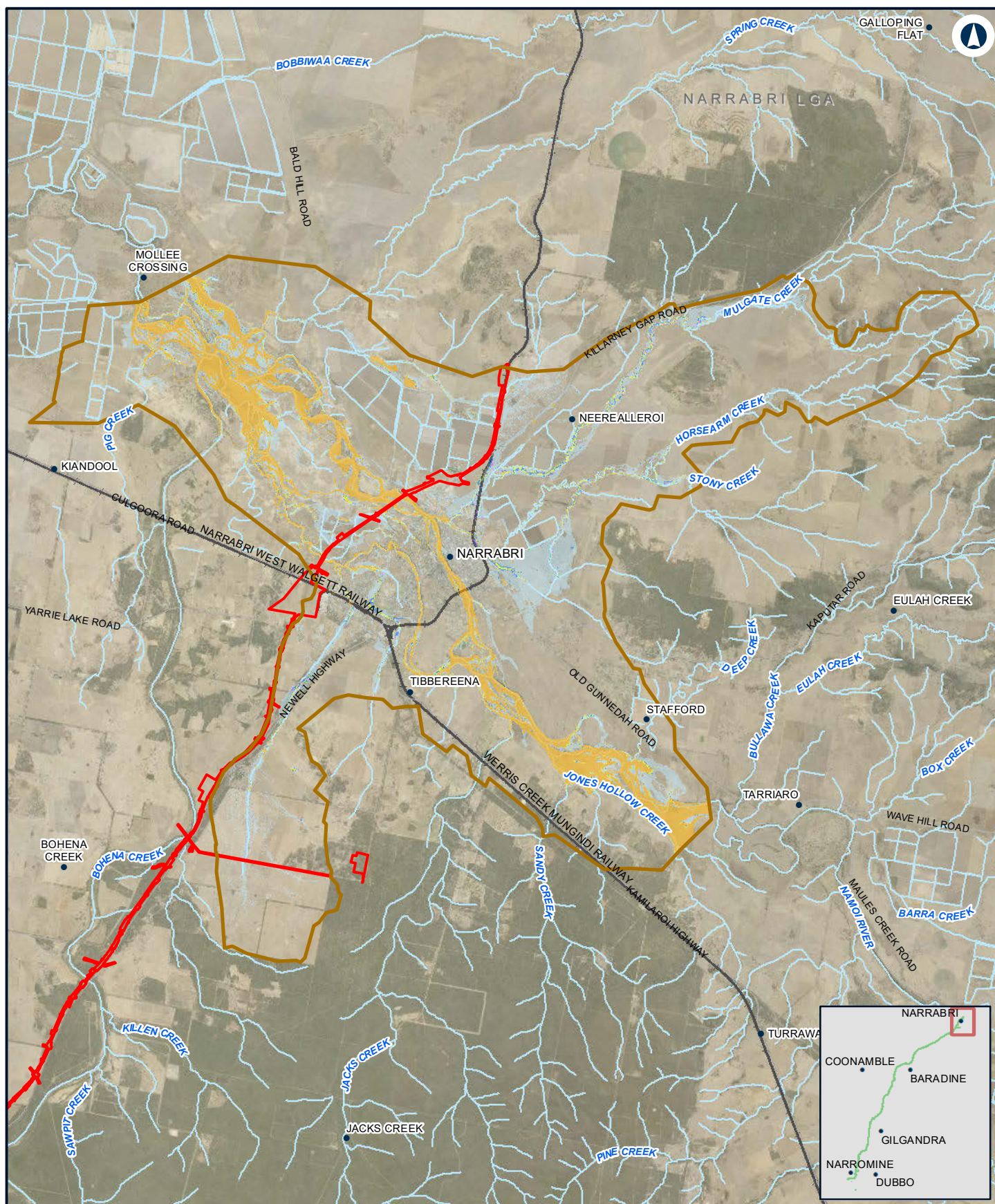
> 24hrs

Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 20% AEP - Narrabri

Appendix D Figure 3.1n

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:160,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

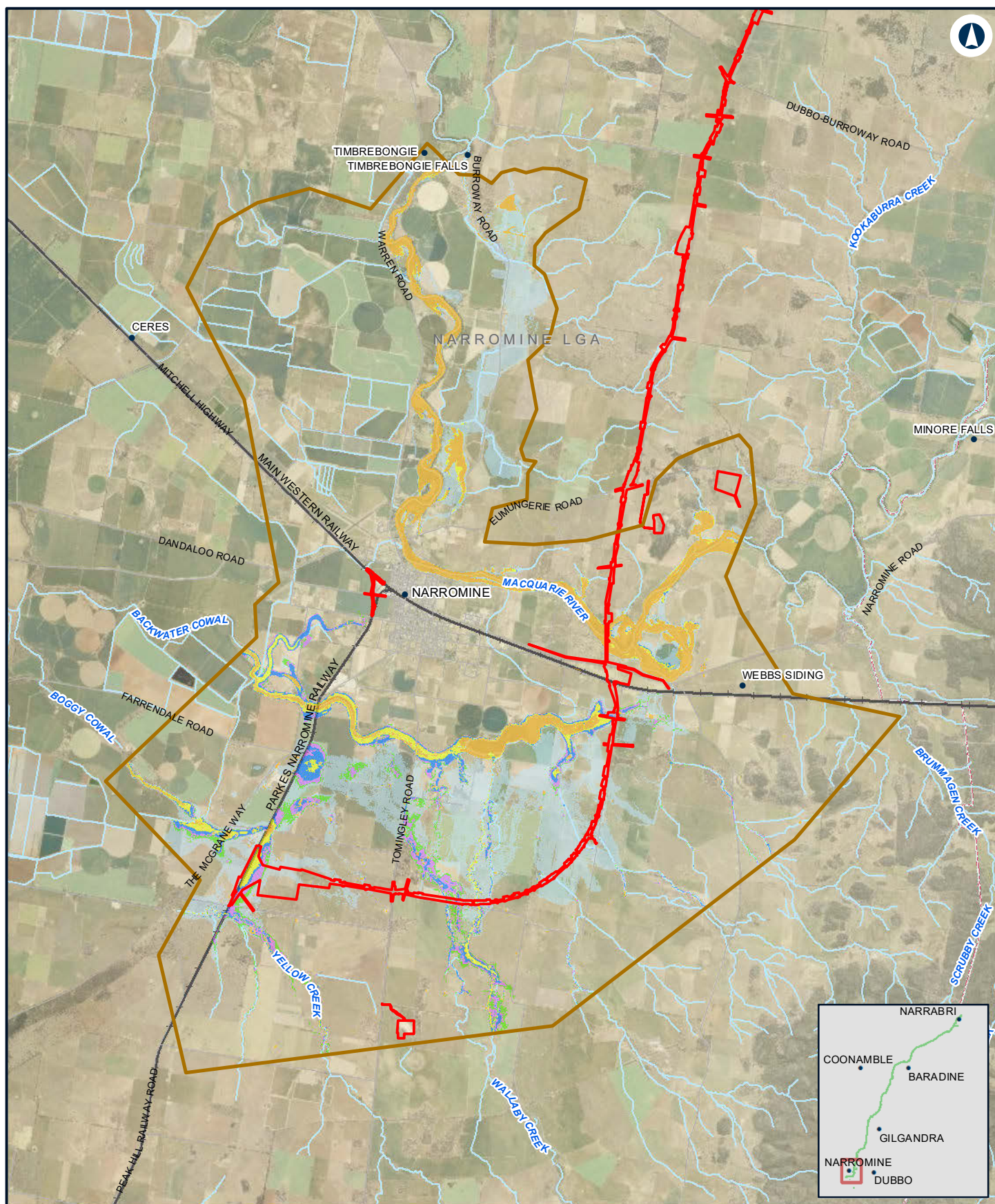
  12hrs - 24hrs

  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - NFM

Appendix D - Figure 3.2a

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: 1:140,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

  > 24hrs

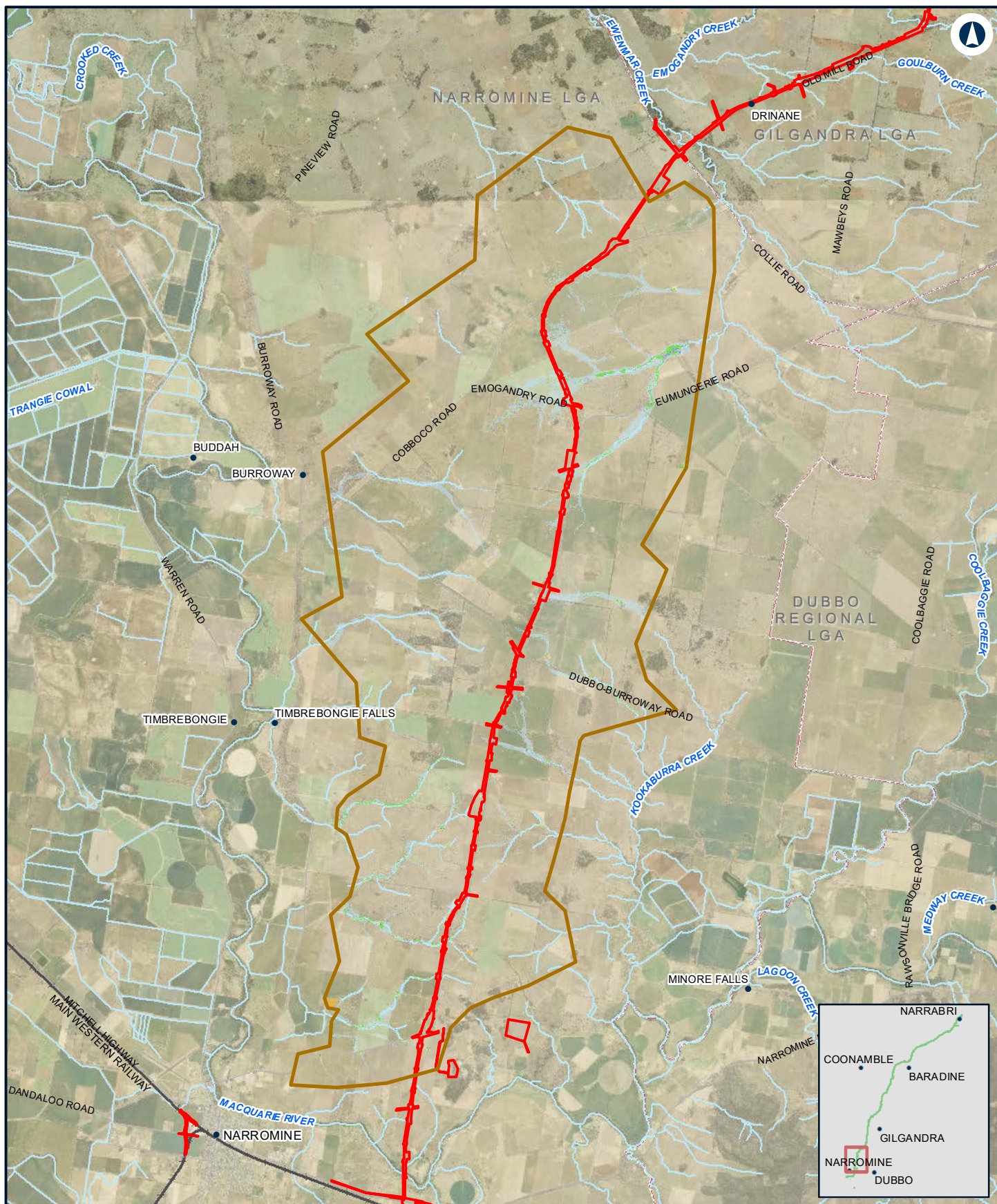
  Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N14

Appendix D - Figure 3.2b

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

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

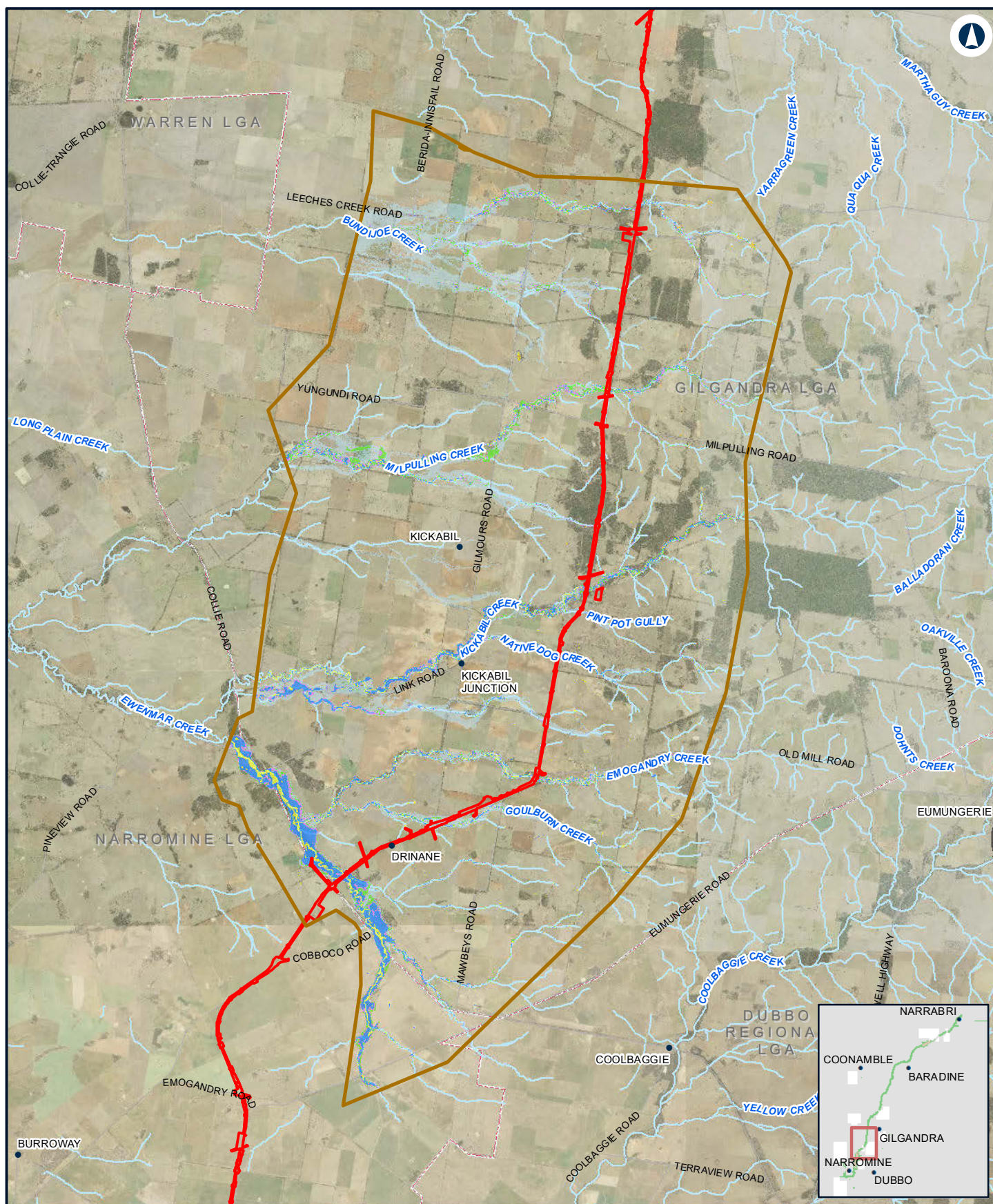
> 24hrs

Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N13

Appendix D - Figure 3.2c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:180,000

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

### LEGEND

The proposal site

Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

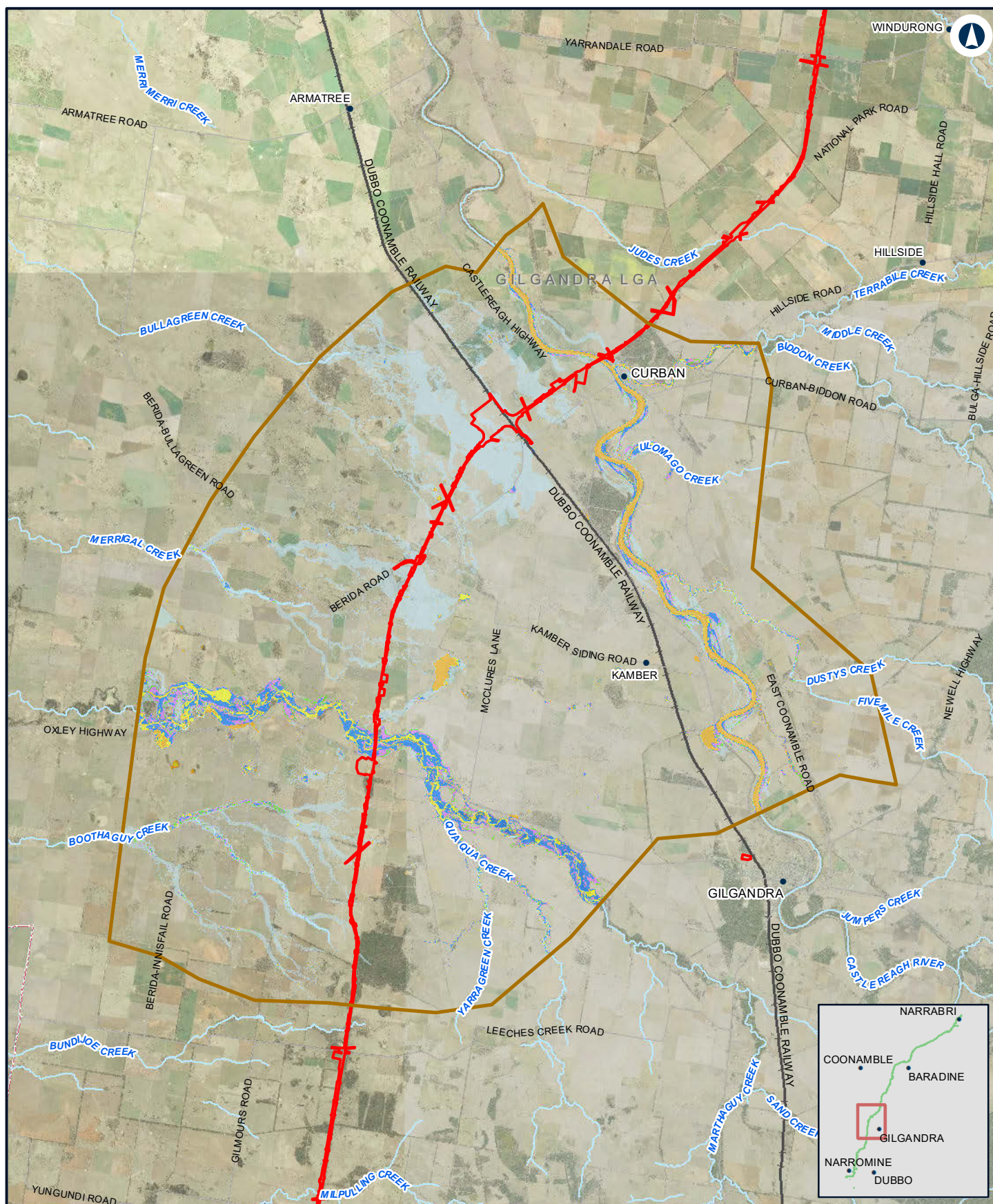
> 24hrs

Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N11N12

Appendix D - Figure 3.2d

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

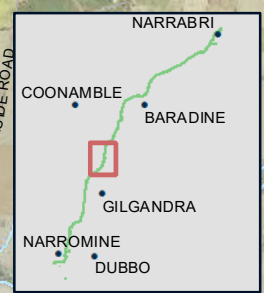
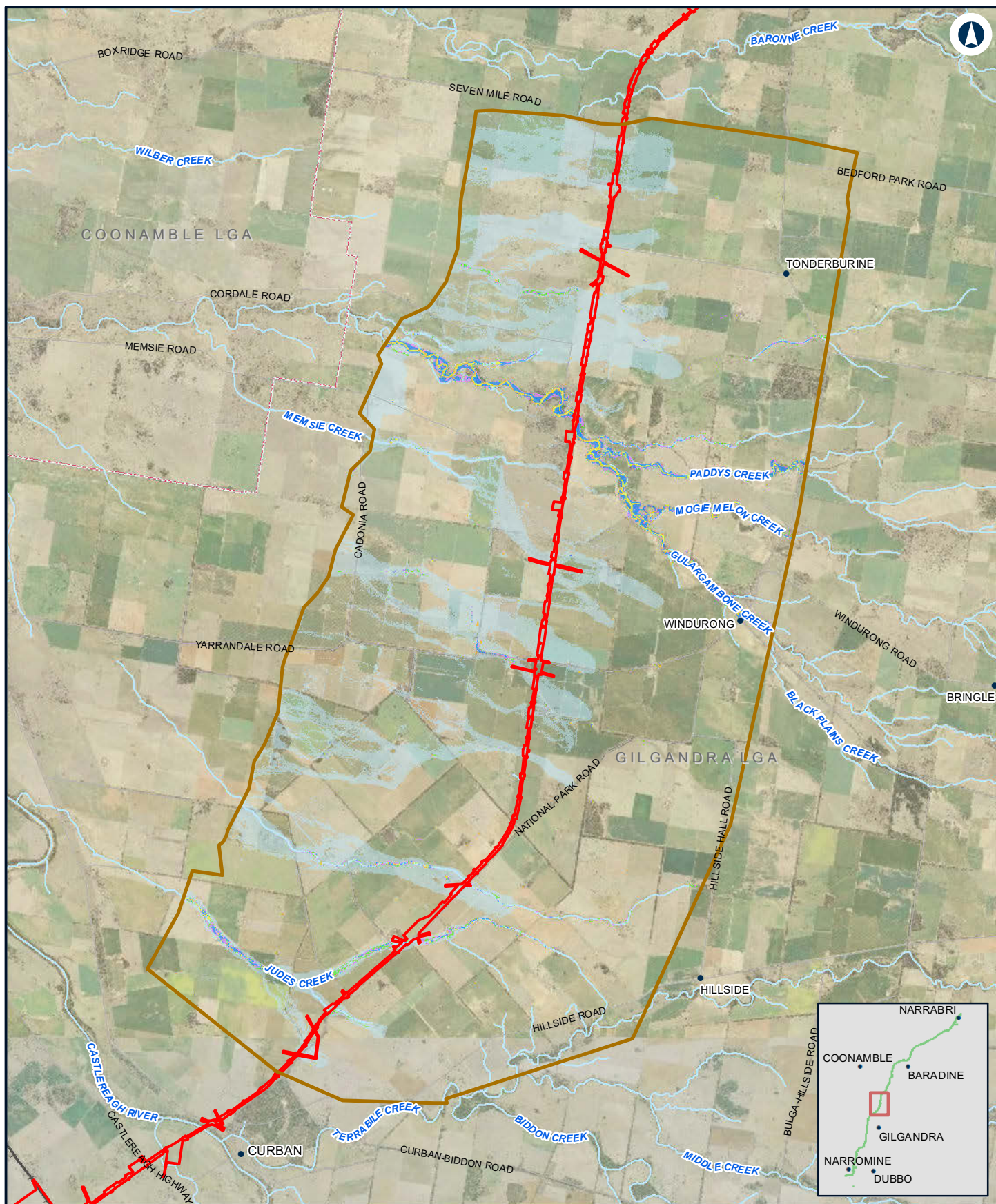
  12hrs - 24hrs

  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N10

Appendix D - Figure 3.2e

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

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

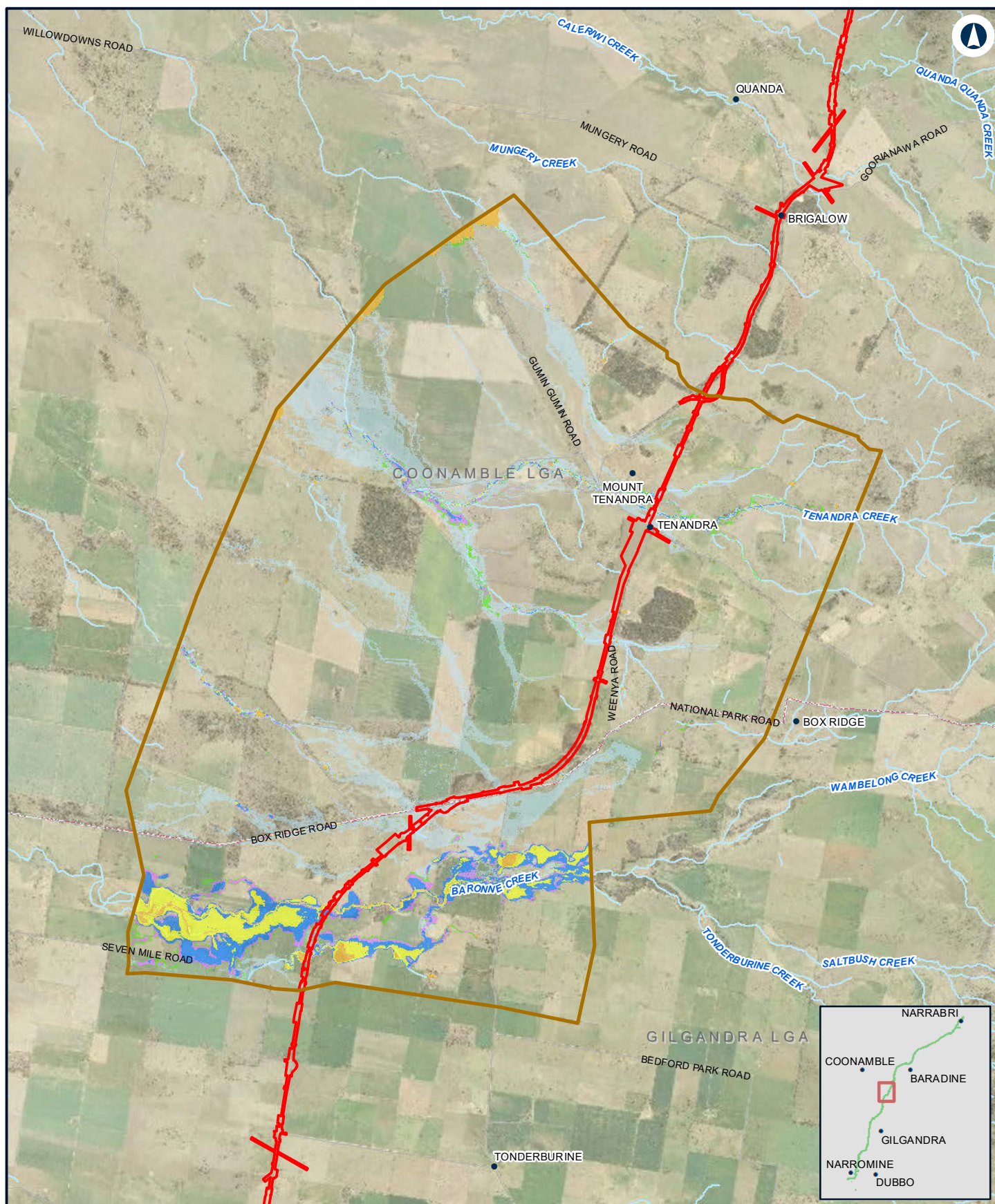
Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N9

Appendix D - Figure 3.2f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:110,000

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

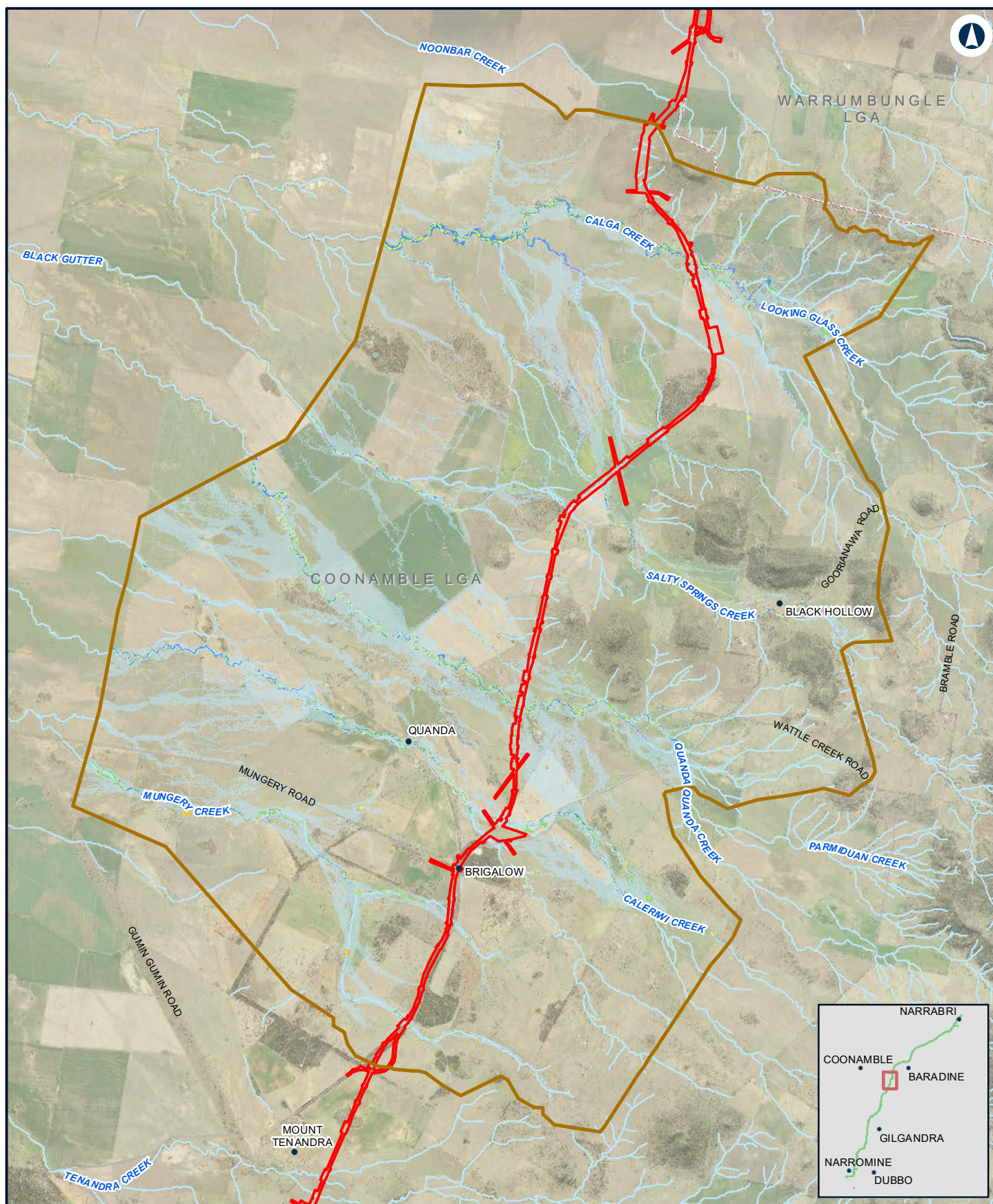
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N8

Appendix D - Figure 3.2g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:100,000

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

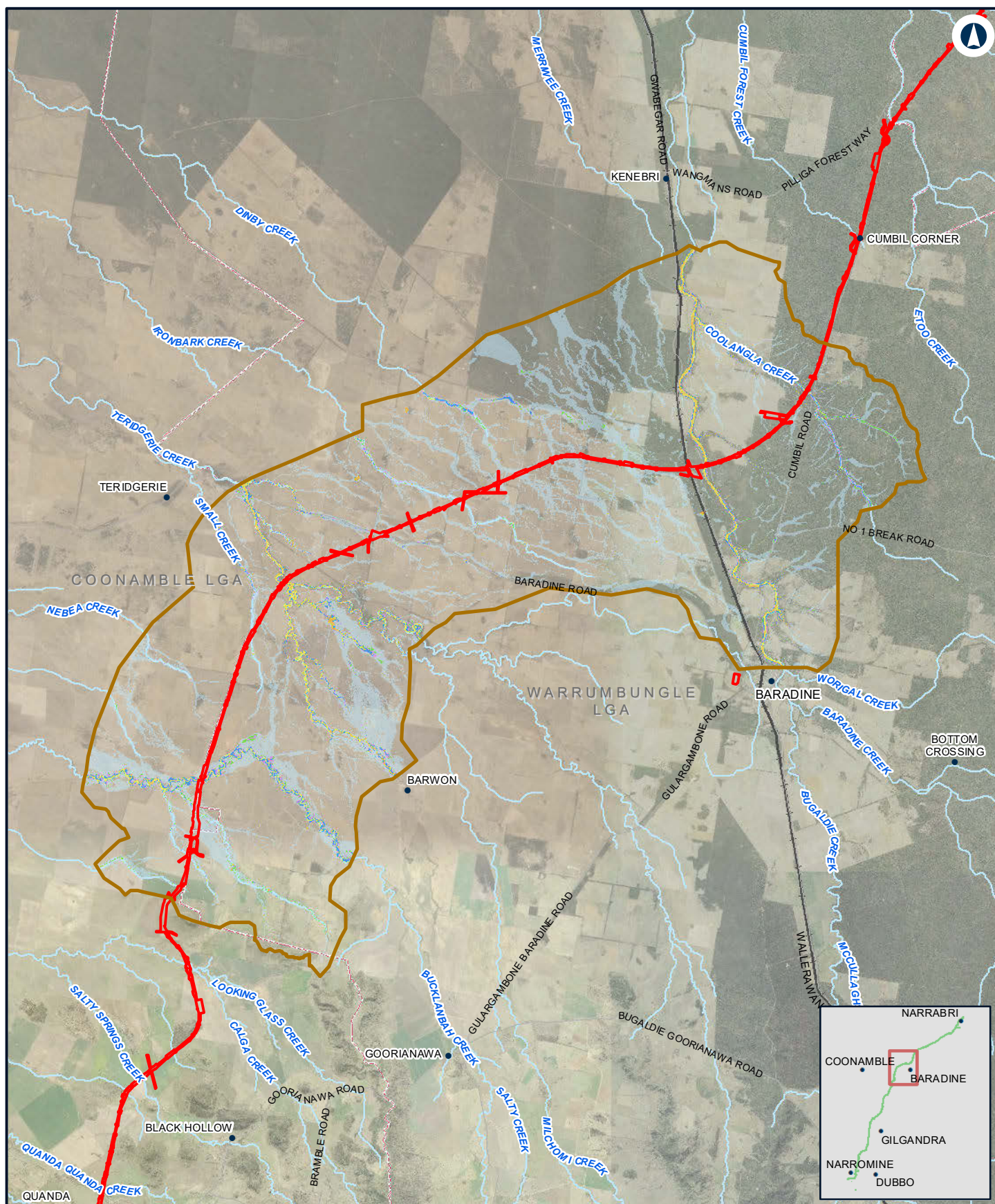
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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





## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N7

Appendix D - Figure 3.2h

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

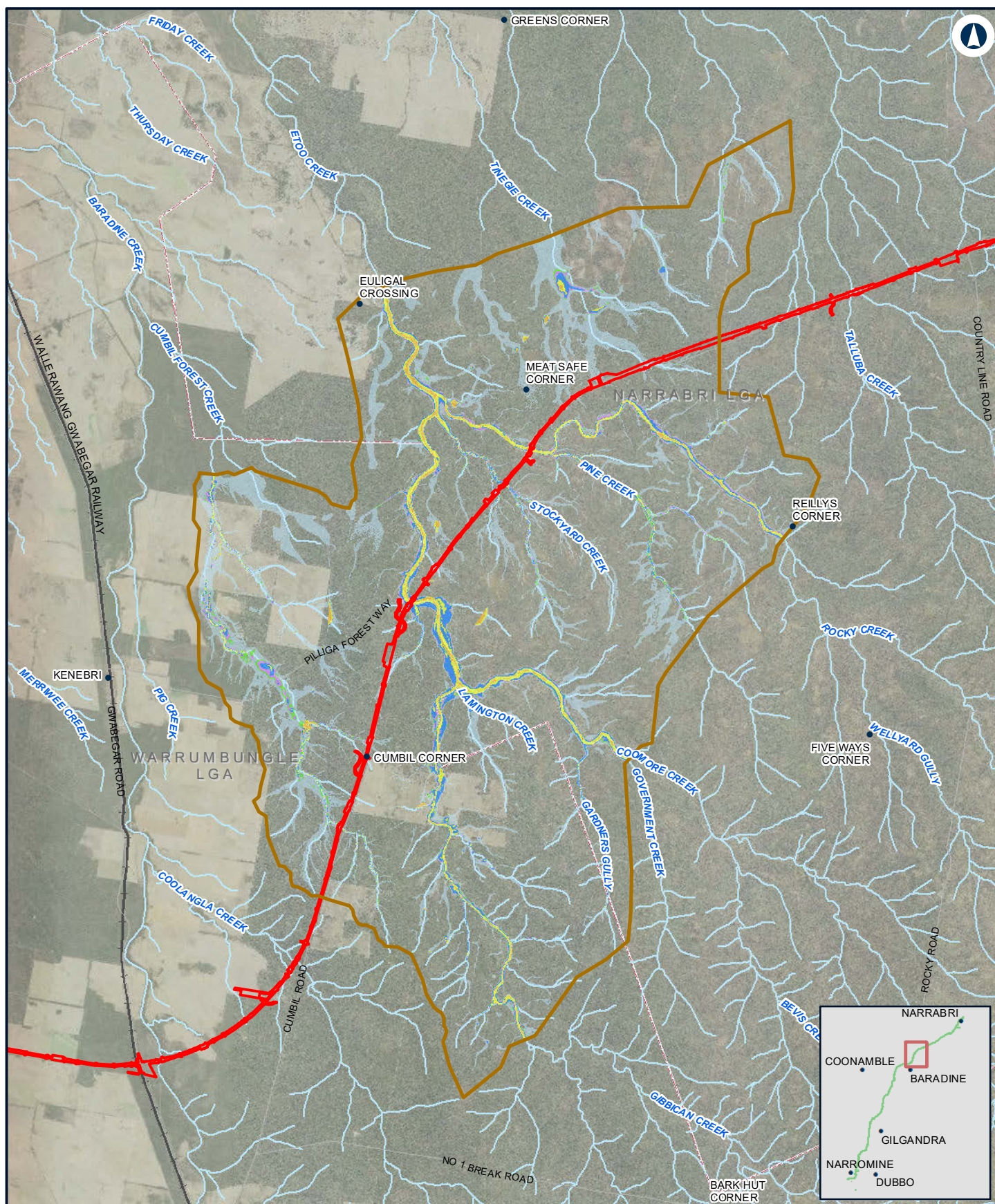
> 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N6

Appendix D - Figure 3.2i

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   Flood extent

  Model boundary

### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

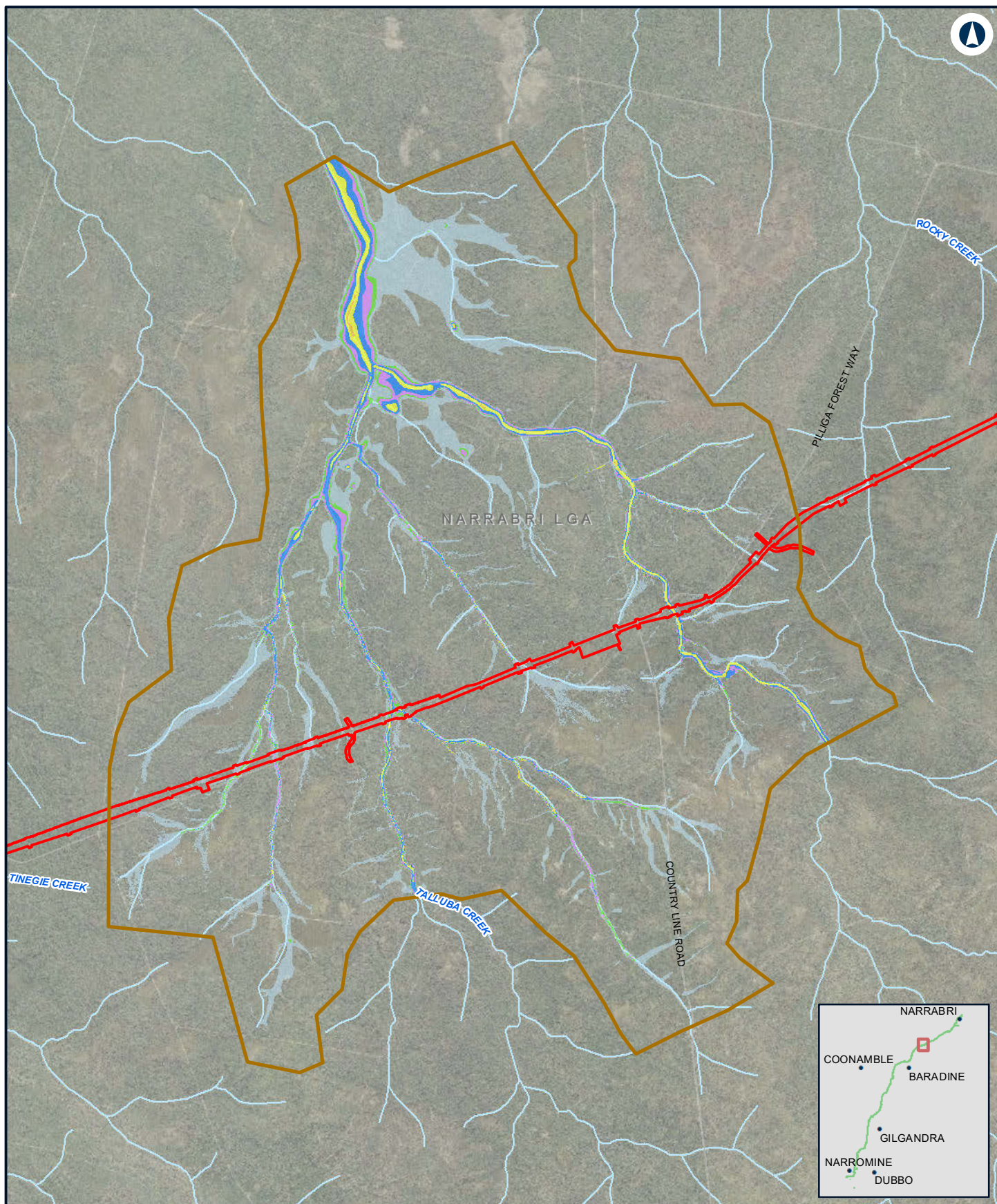
  12hrs - 24hrs

  > 24hrs

**INLAND RAIL** **ARTC**

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





## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N5

Appendix D - Figure 3.2j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:70,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

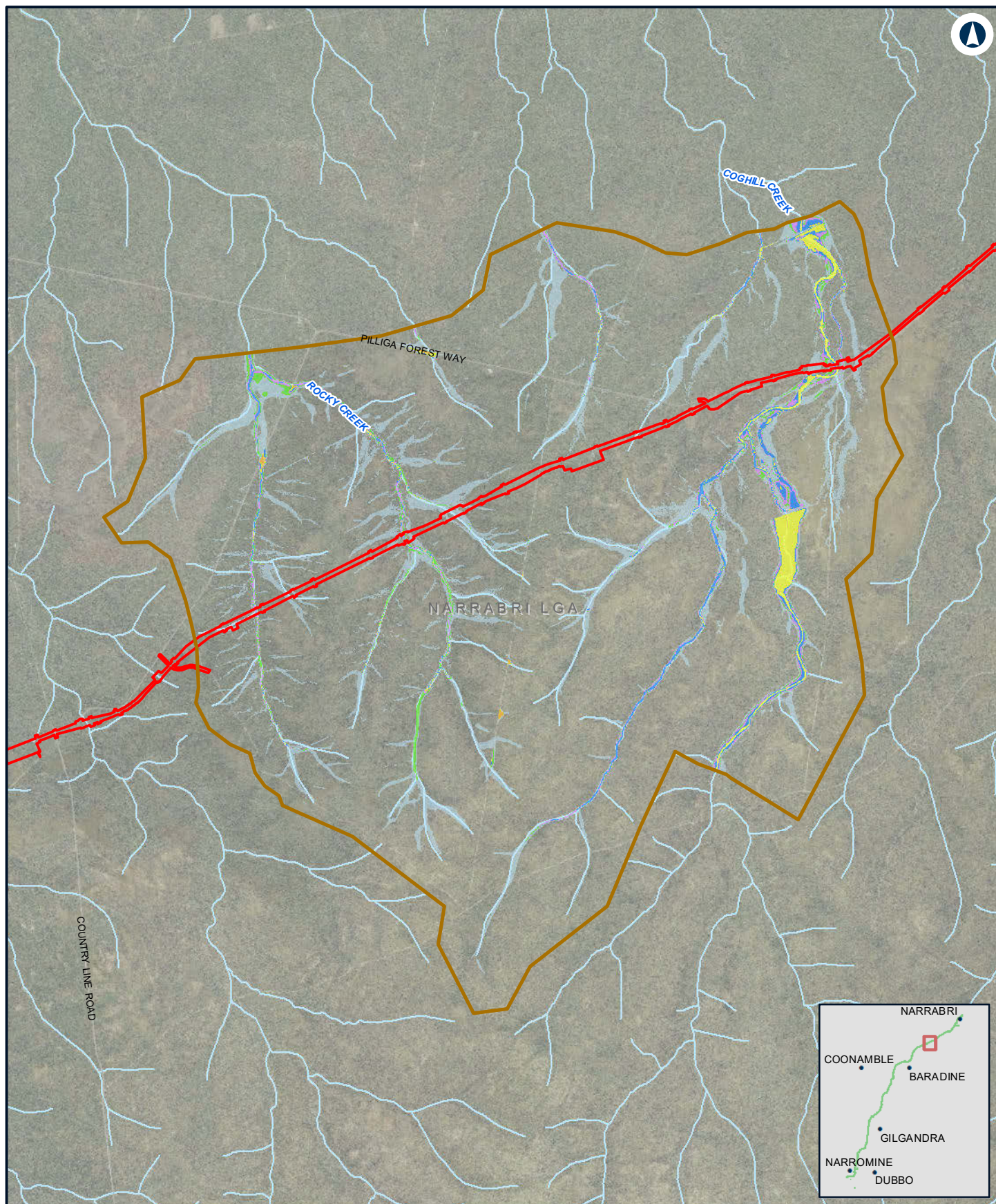
  12hrs - 24hrs

  > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N4

Appendix D - Figure 3.2k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:80,000

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

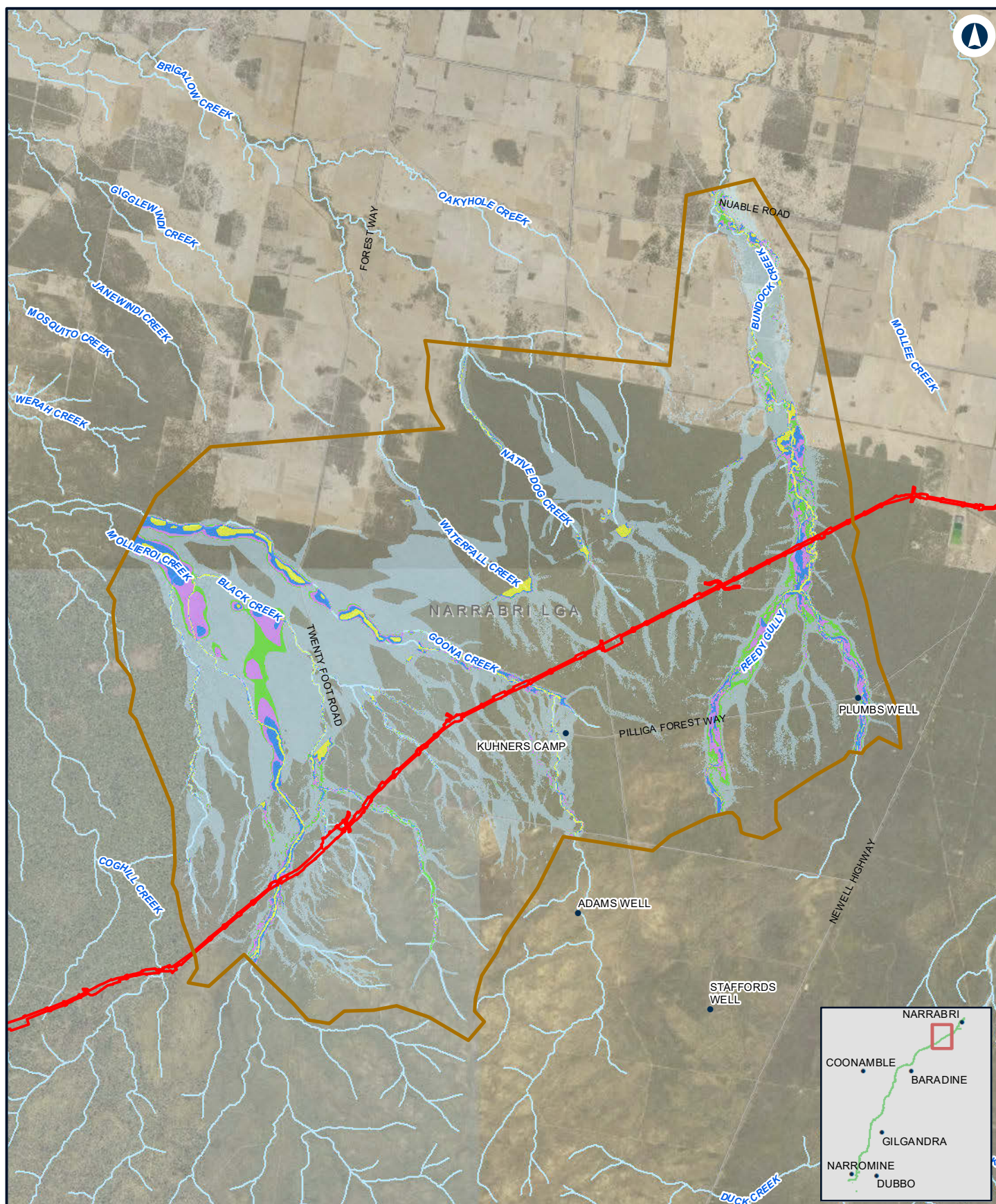
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N23

Appendix D - Figure 3.21

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: 1:140,000

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

### LEGEND

The proposal site

Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

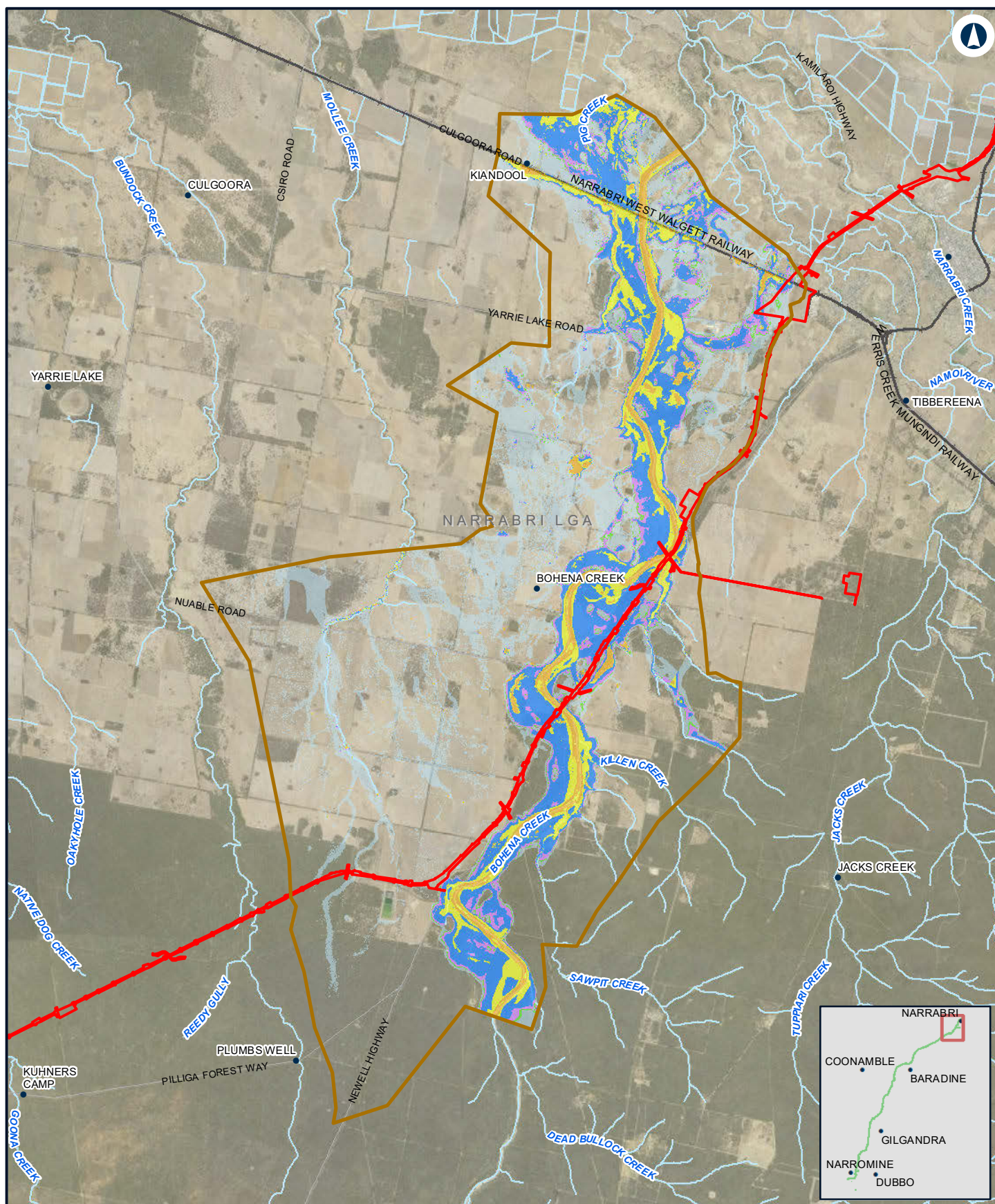
> 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 5% AEP - N2N1

Appendix D - Figure 3.2m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:150,000

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

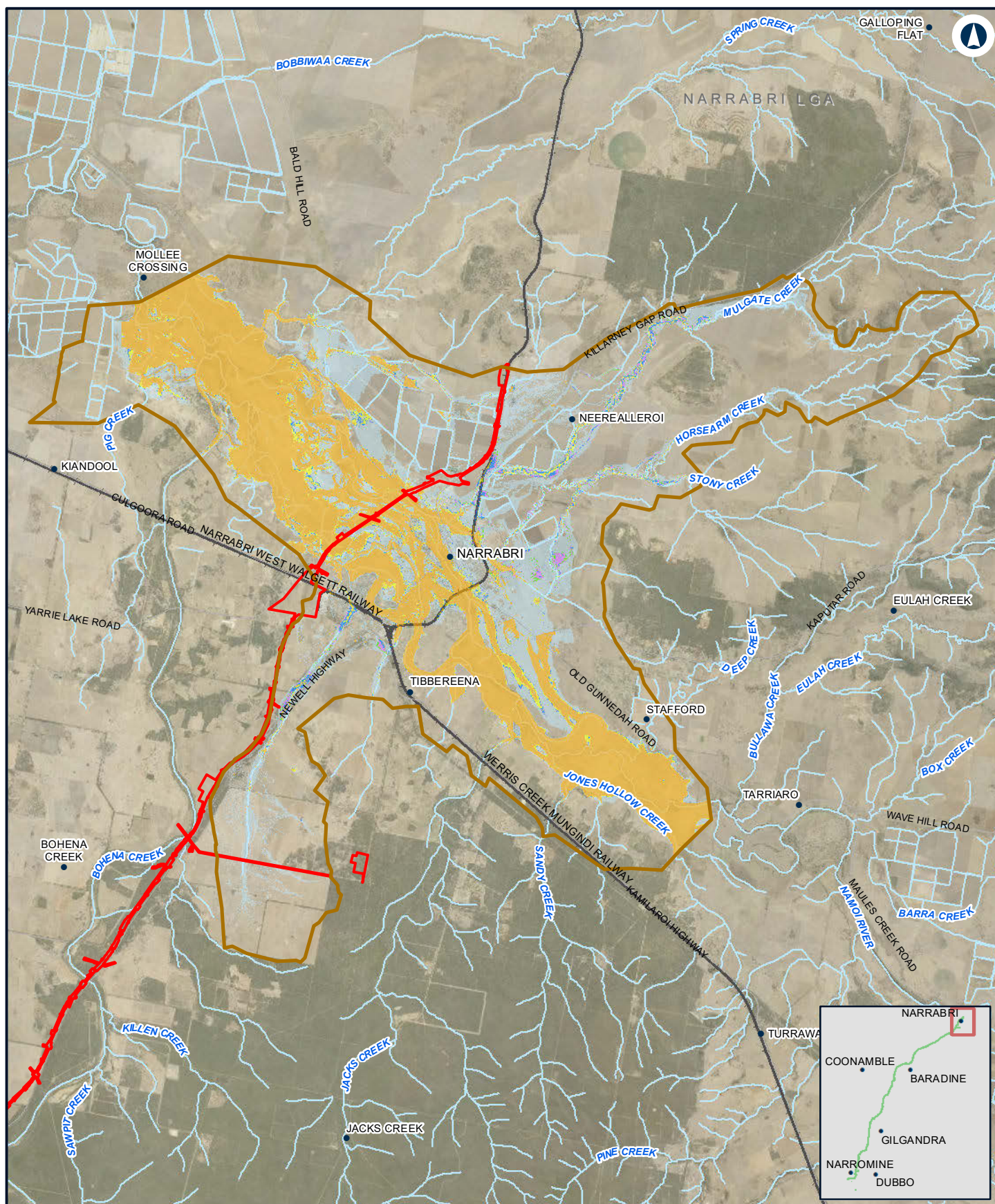
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## Narromine to Narrabri

Existing duration - 5% AEP - Narrabri

Appendix D - Figure 3.2n

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:160,000

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

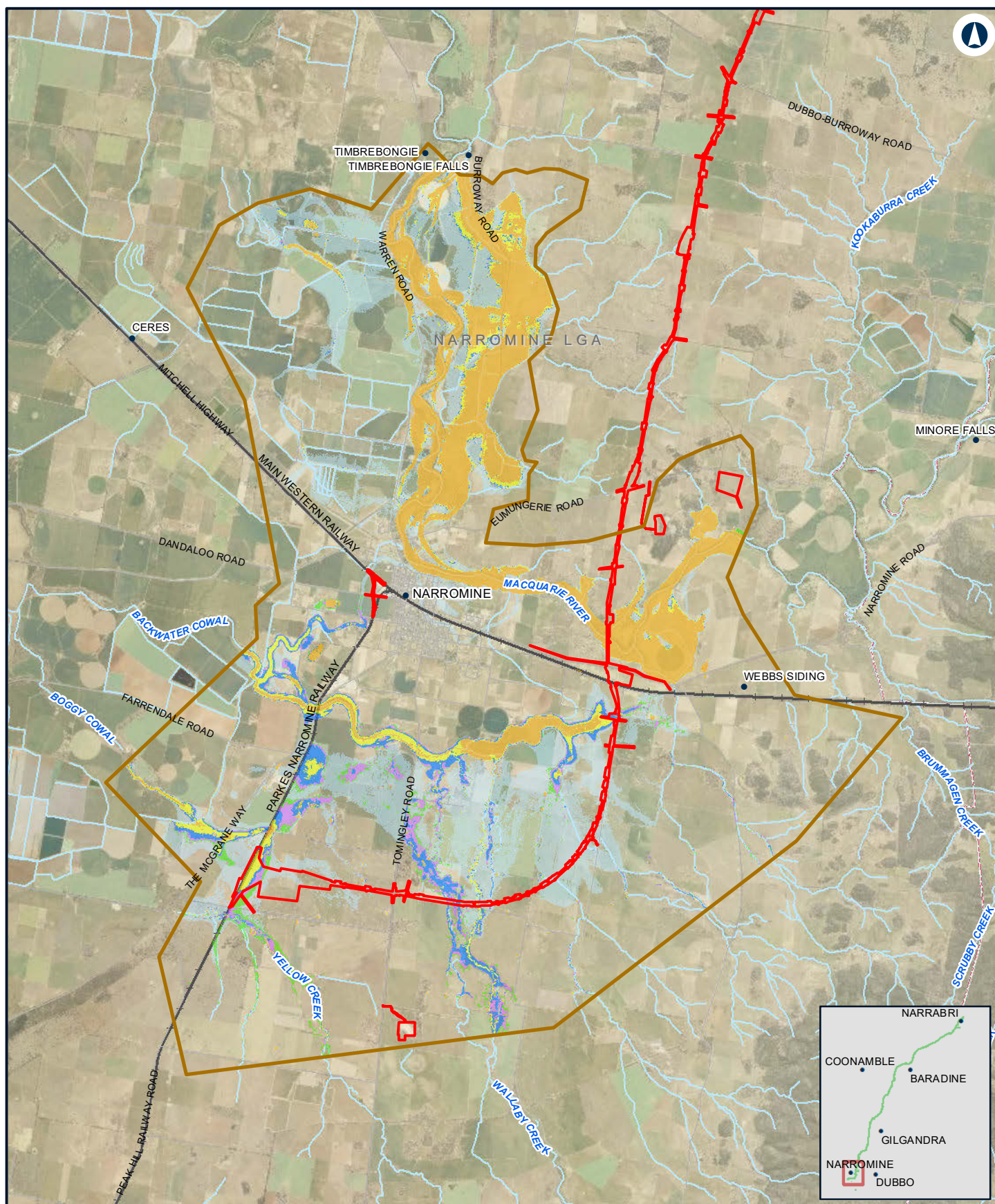
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - NFM

Appendix D - Figure 3.3a

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: 1:140,000

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

### LEGEND

- Model boundary
- The proposal site

### Duration (hrs)

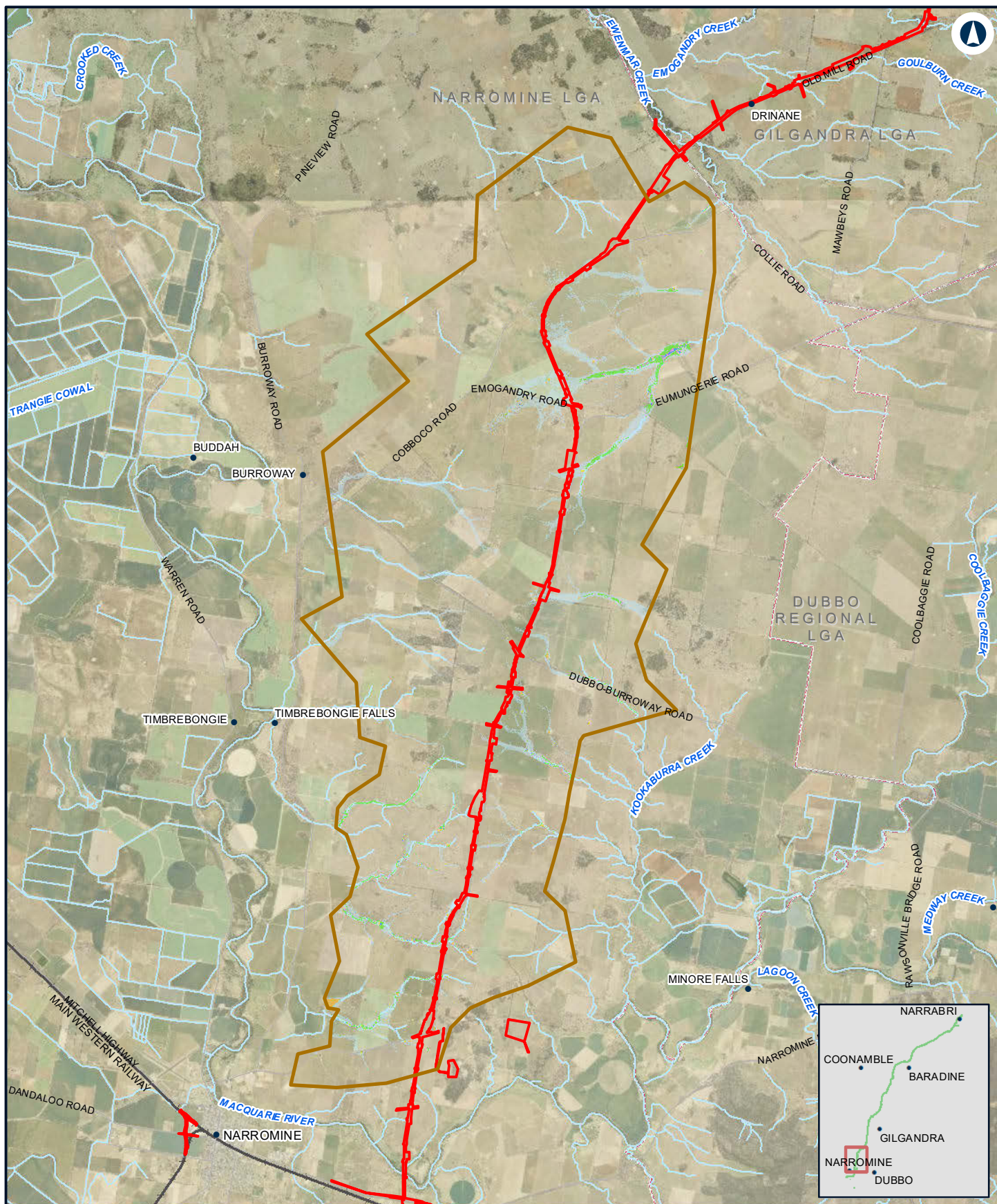
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N14

Appendix D - Figure 3.3b

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

Model boundary

The proposal site

Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

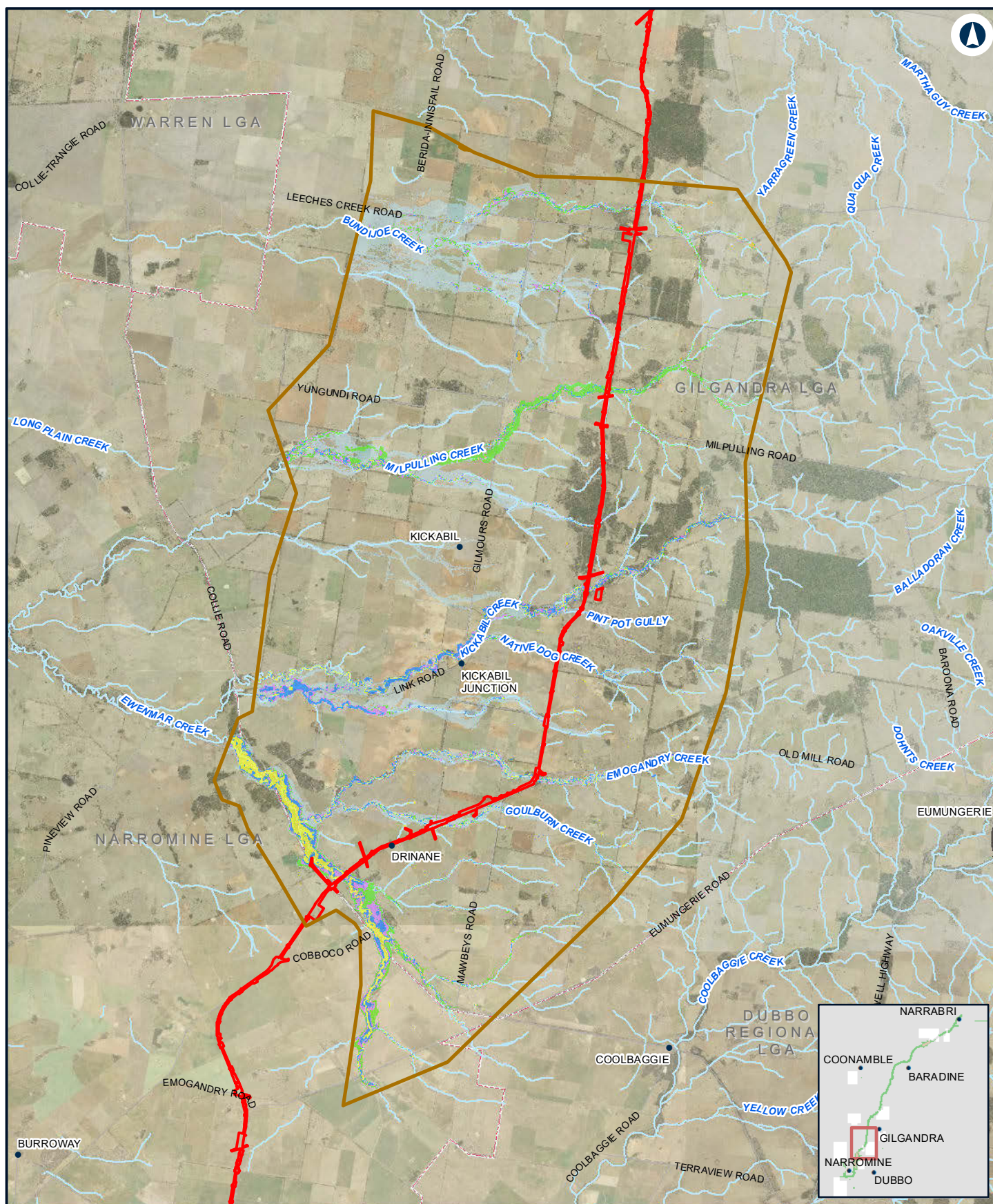
Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N13

Appendix D - Figure 3.3c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:180,000

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

### LEGEND

Model boundary Flood extent

The proposal site

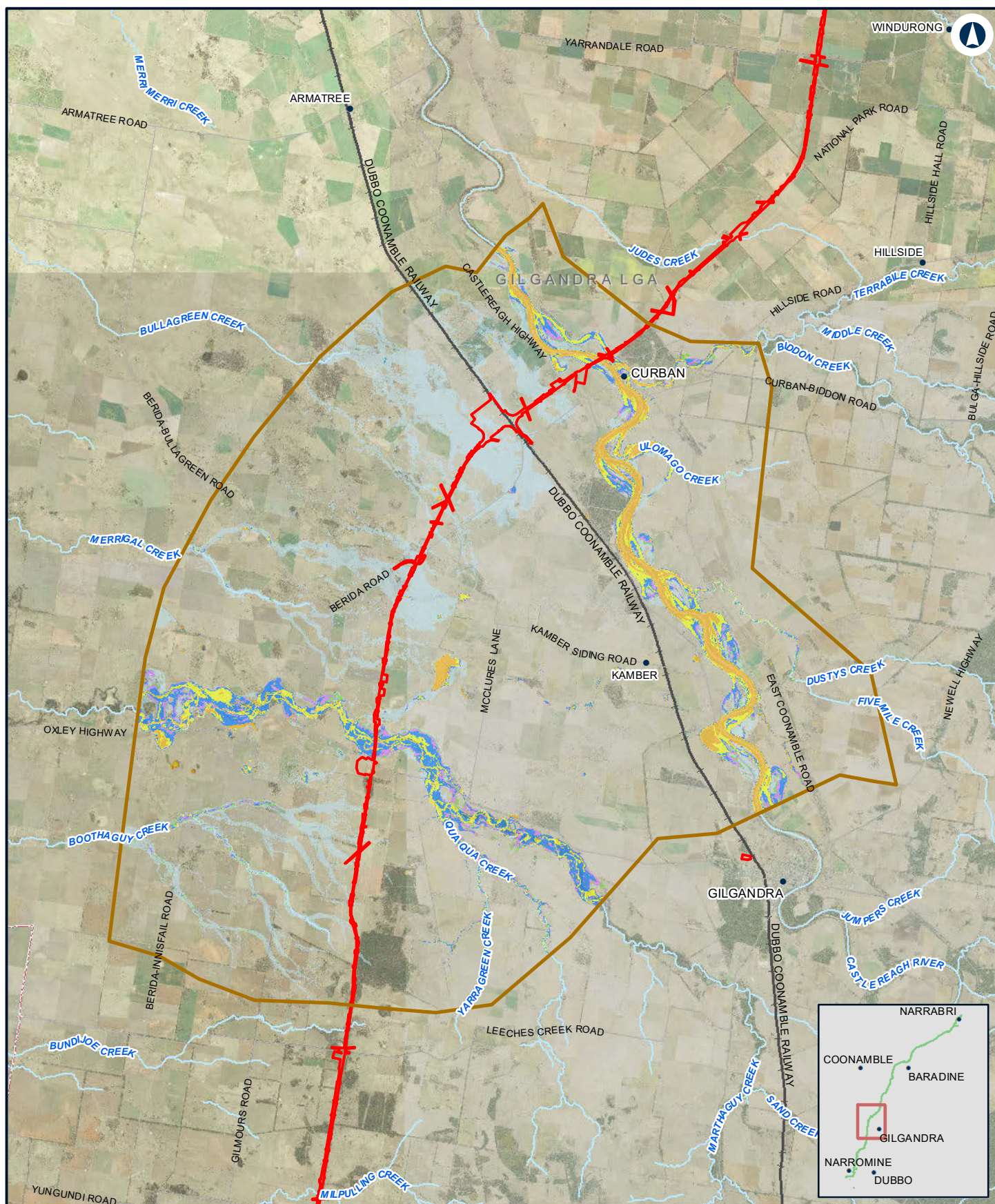
### Duration (hrs)

0 - 3hrs  
3hrs - 6hrs  
6hrs - 12hrs  
12hrs - 24hrs  
> 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N11N12

Appendix D - Figure 3.3d

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

### LEGEND

- Model boundary
- The proposal site

### Duration (hrs)

- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N10

Appendix D - Figure 3.3e

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:130,000

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

### LEGEND

- Model boundary
- The proposal site

### Duration (hrs)

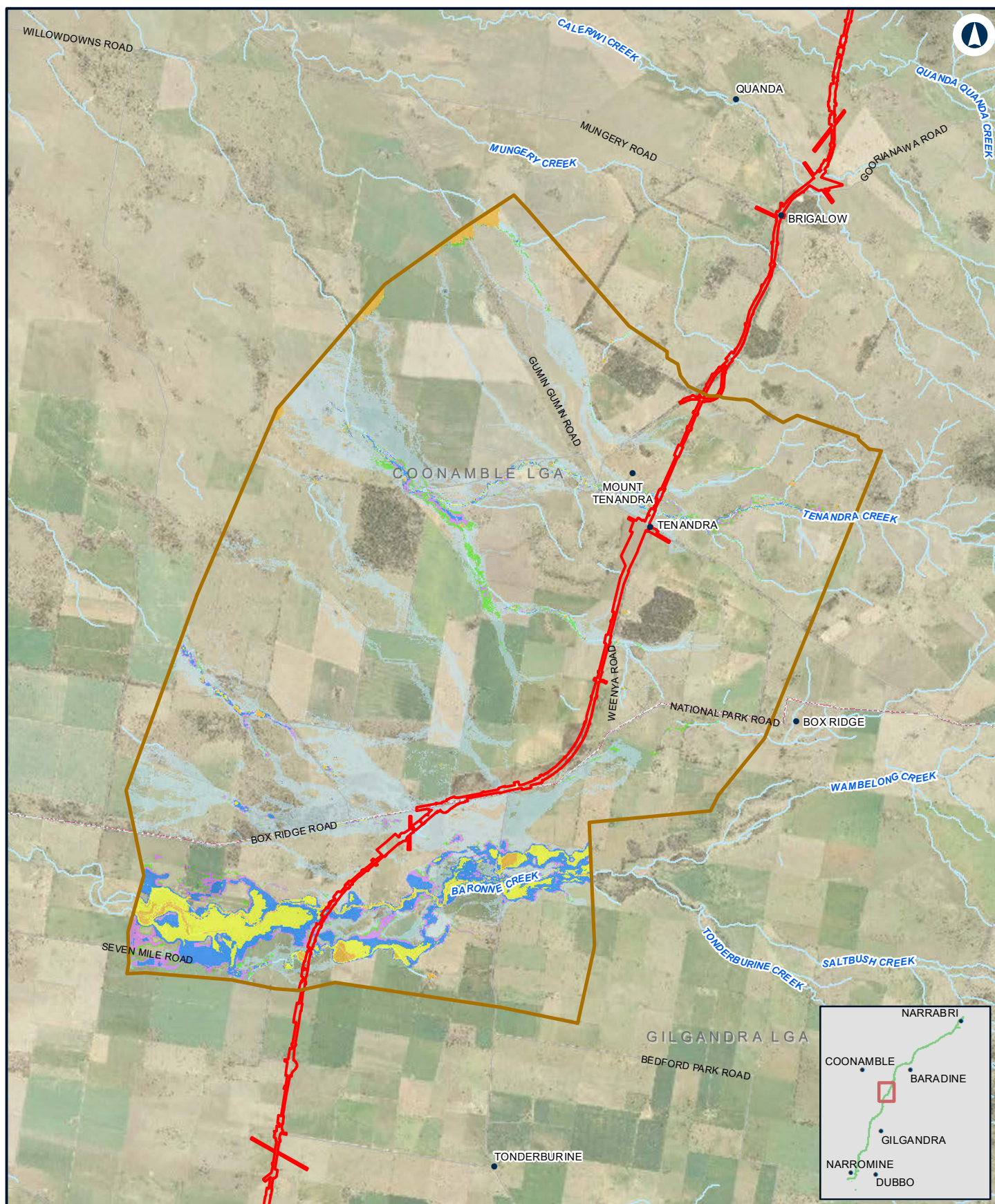
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N9

Appendix D - Figure 3.3f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:110,000

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

### LEGEND

- Model boundary
- The proposal site

### Duration (hrs)

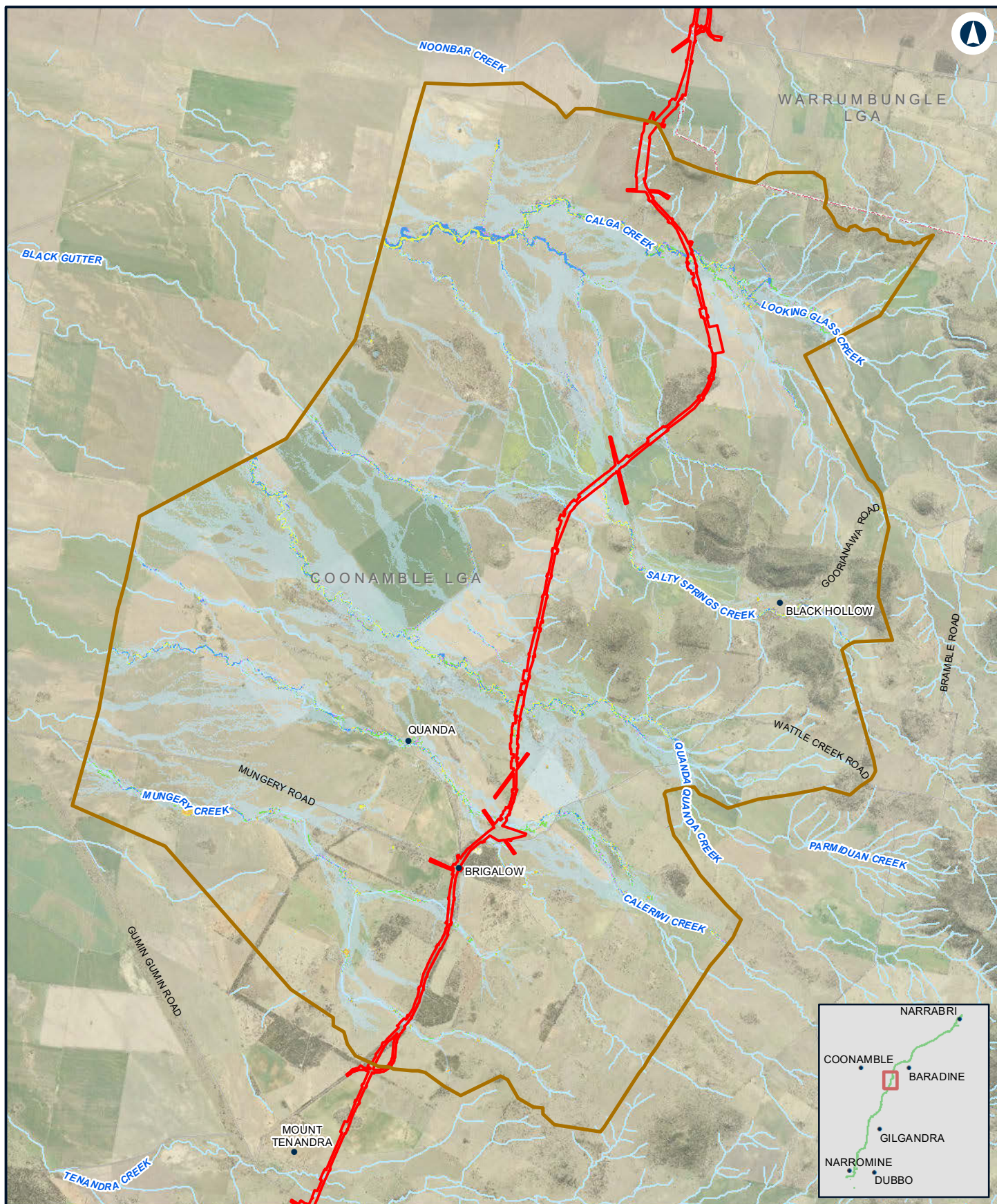
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N8

Appendix D - Figure 3.3g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:100,000

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

### LEGEND

- Model boundary
- The proposal site

### Duration (hrs)

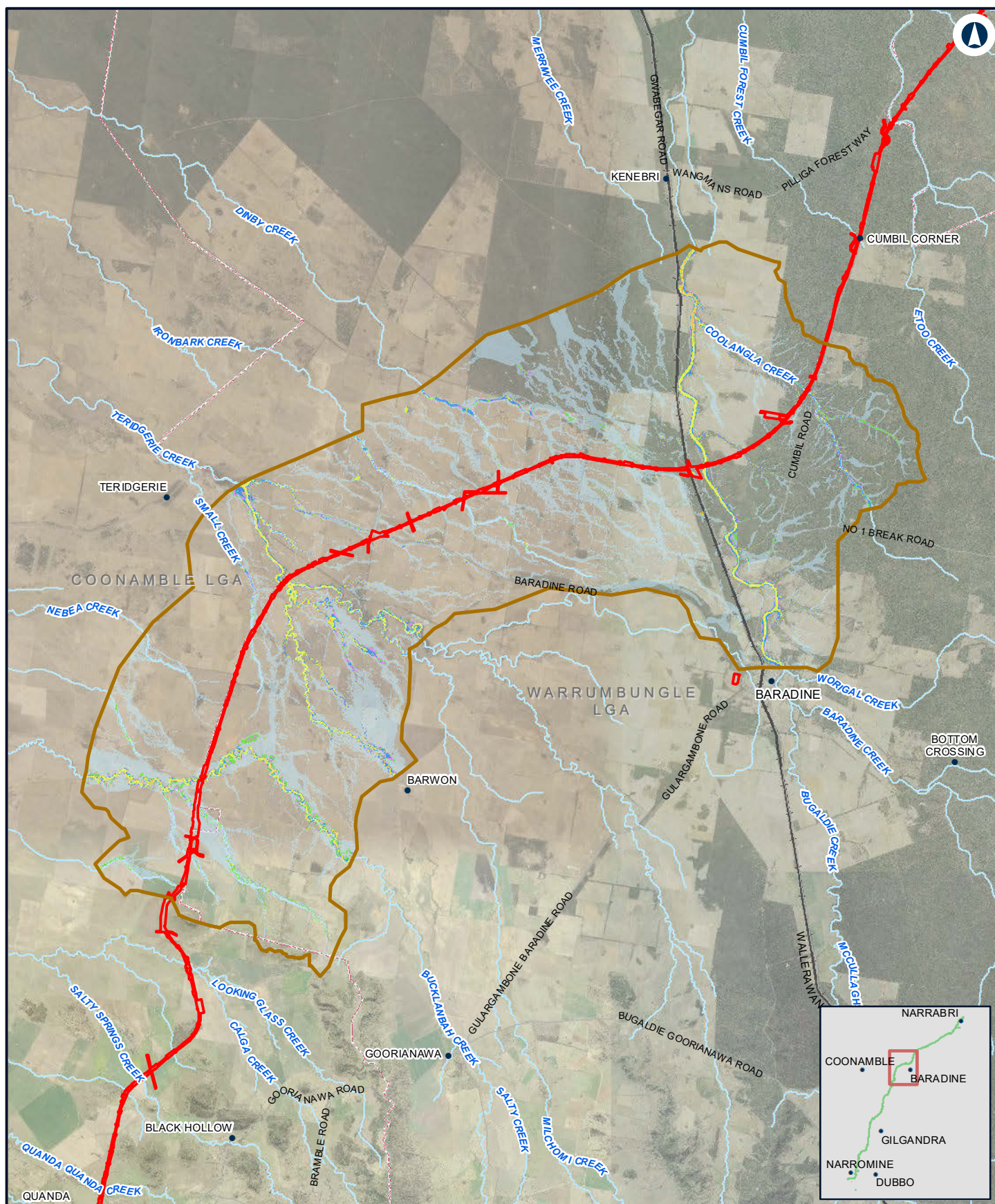
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N7

Appendix D - Figure 3.3h

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

### LEGEND

Model boundary Flood extent

The proposal site

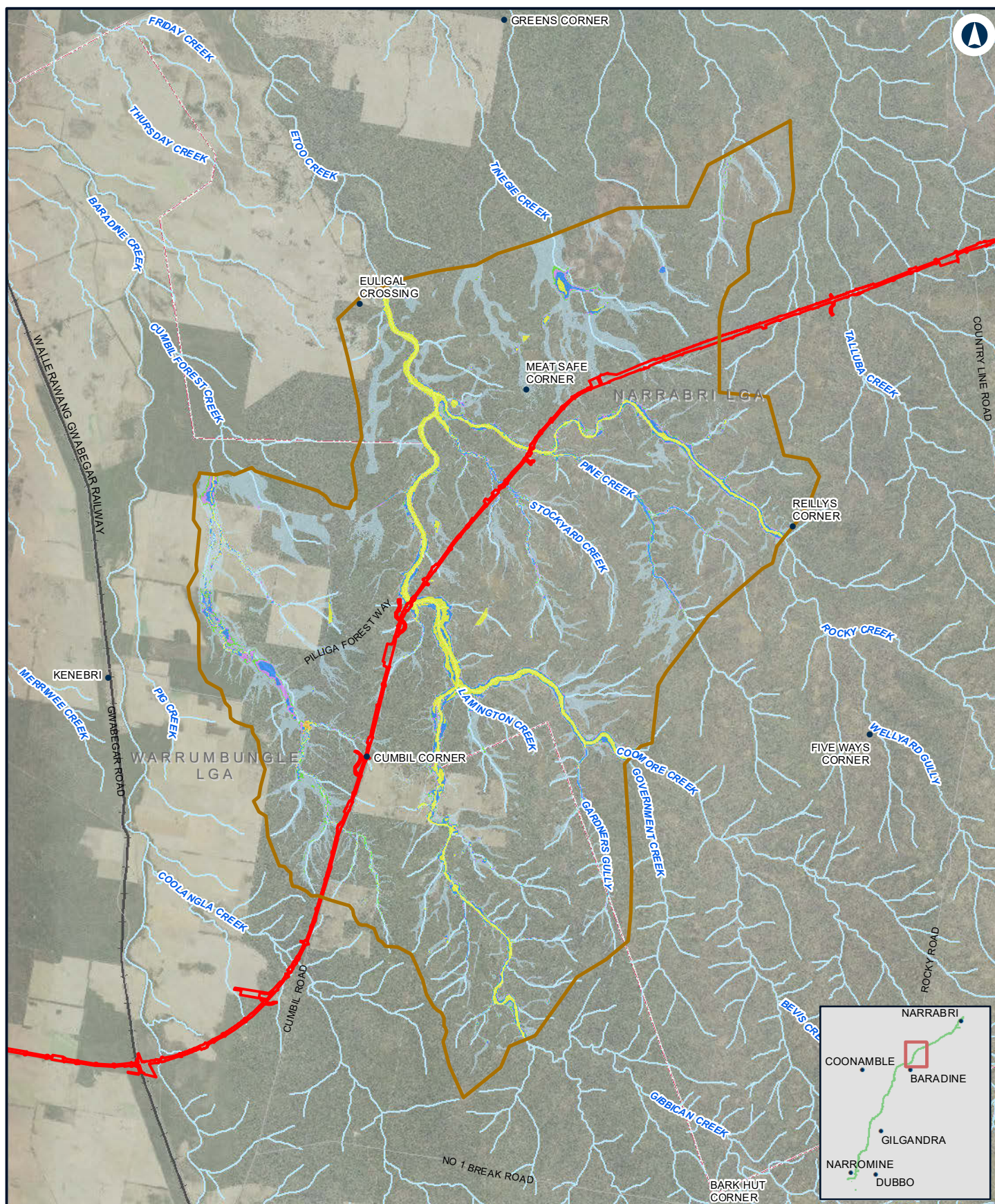
#### Duration (hrs)

0 - 3hrs  
3hrs - 6hrs  
6hrs - 12hrs  
12hrs - 24hrs  
> 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N6

Appendix D - Figure 3.3i

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

Model boundary

The proposal site

Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

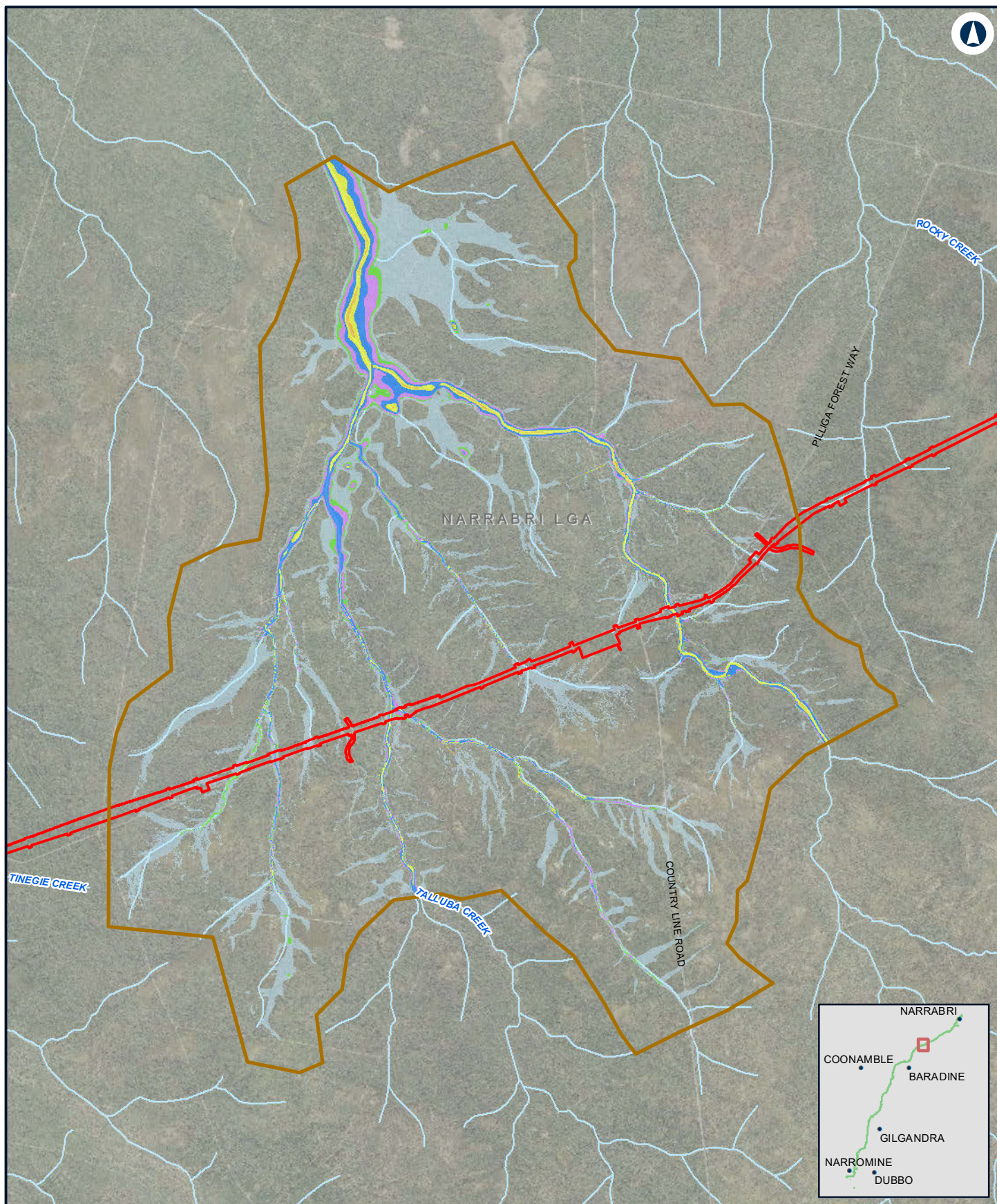
Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N5

Appendix D - Figure 3.3j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:70,000

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

### LEGEND

- Model boundary
- The proposal site

### Duration (hrs)

- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

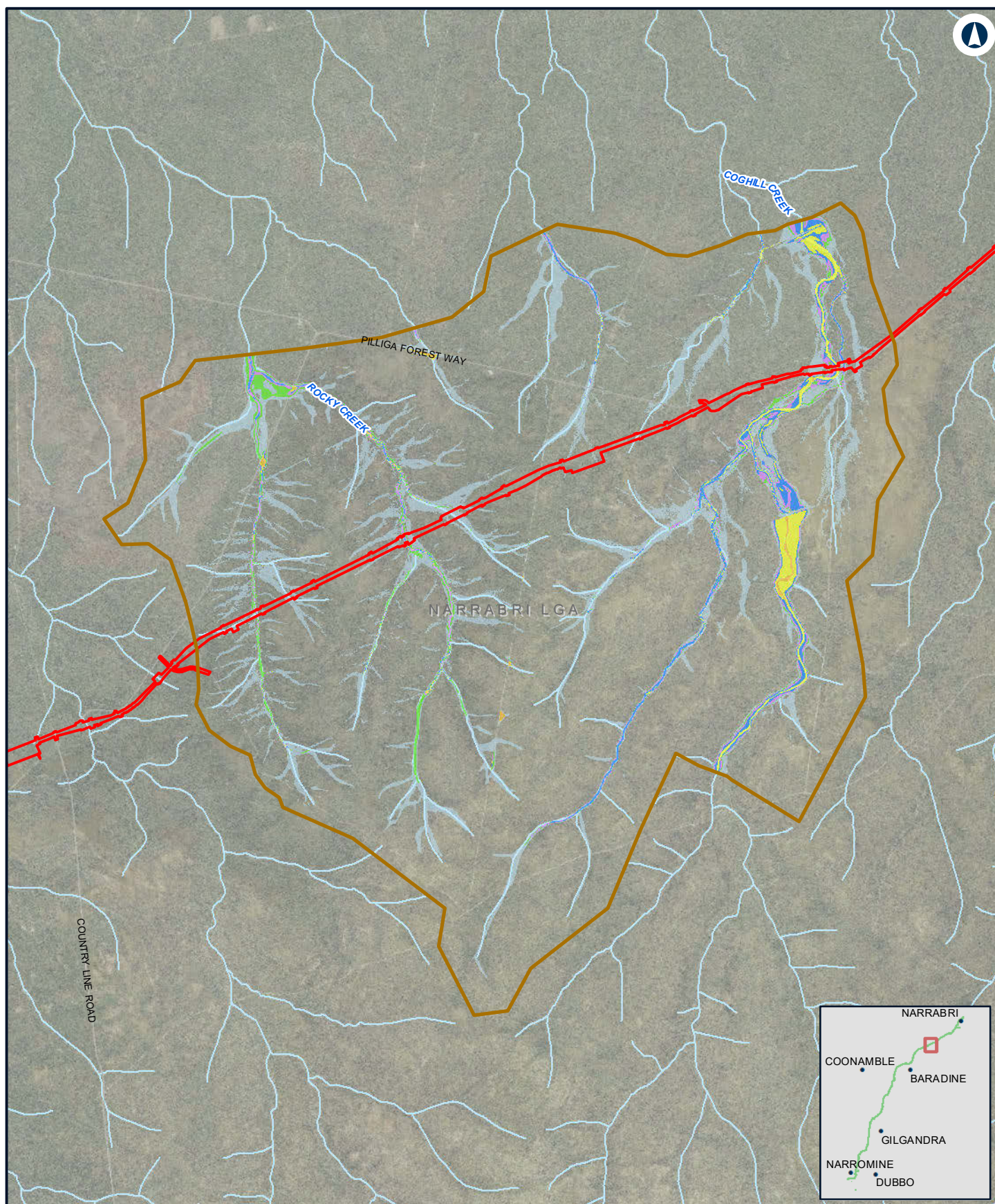
Flood extent

**INLAND  
RAIL**

**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N4

Appendix D - Figure 3.3k

0 1 2 Km

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  
Author: JacobsGHD

Paper: A4  
Scale: 1:80,000

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

### LEGEND

Model boundary Flood extent

The proposal site

### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

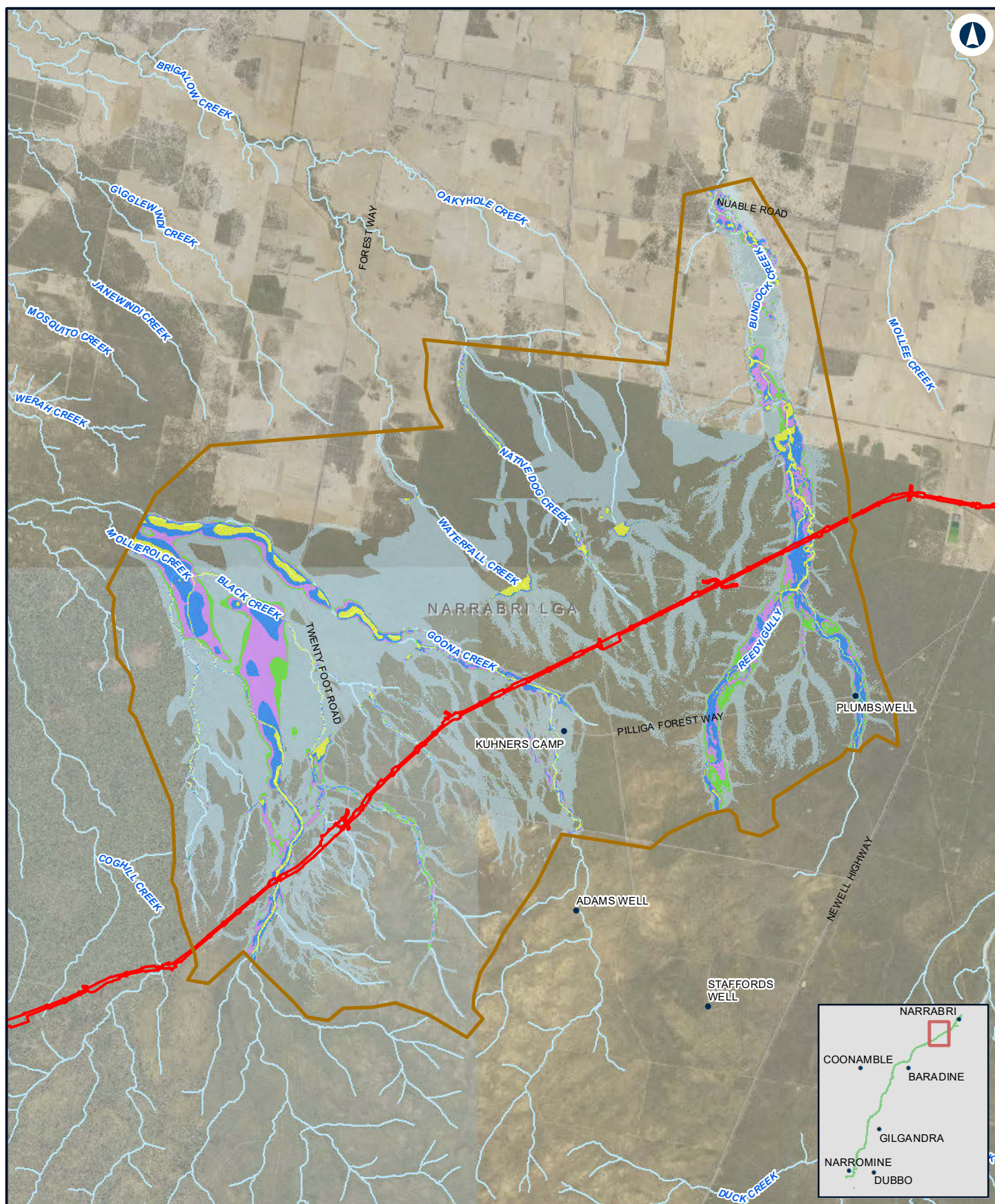
12hrs - 24hrs

> 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N23

Appendix D - Figure 3.3I

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: 1:140,000

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

### LEGEND

Model boundary

The proposal site

Flood extent

### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

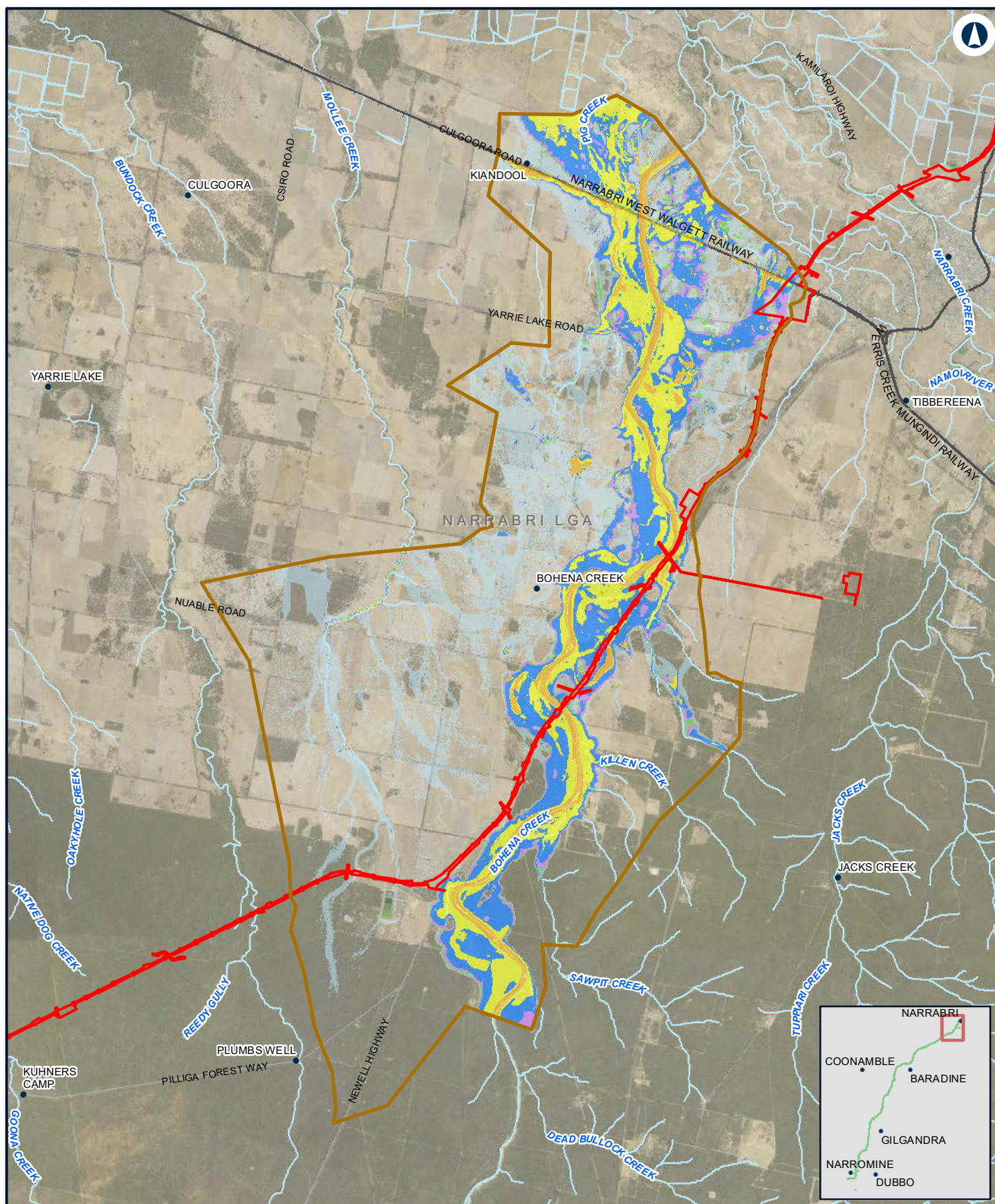
> 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 2% AEP - N2N1

Appendix D - Figure 3.3m

0 2 4 Km

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

Paper: A4  
Scale: 1:150,000

### LEGEND

Model boundary Flood extent

The proposal site

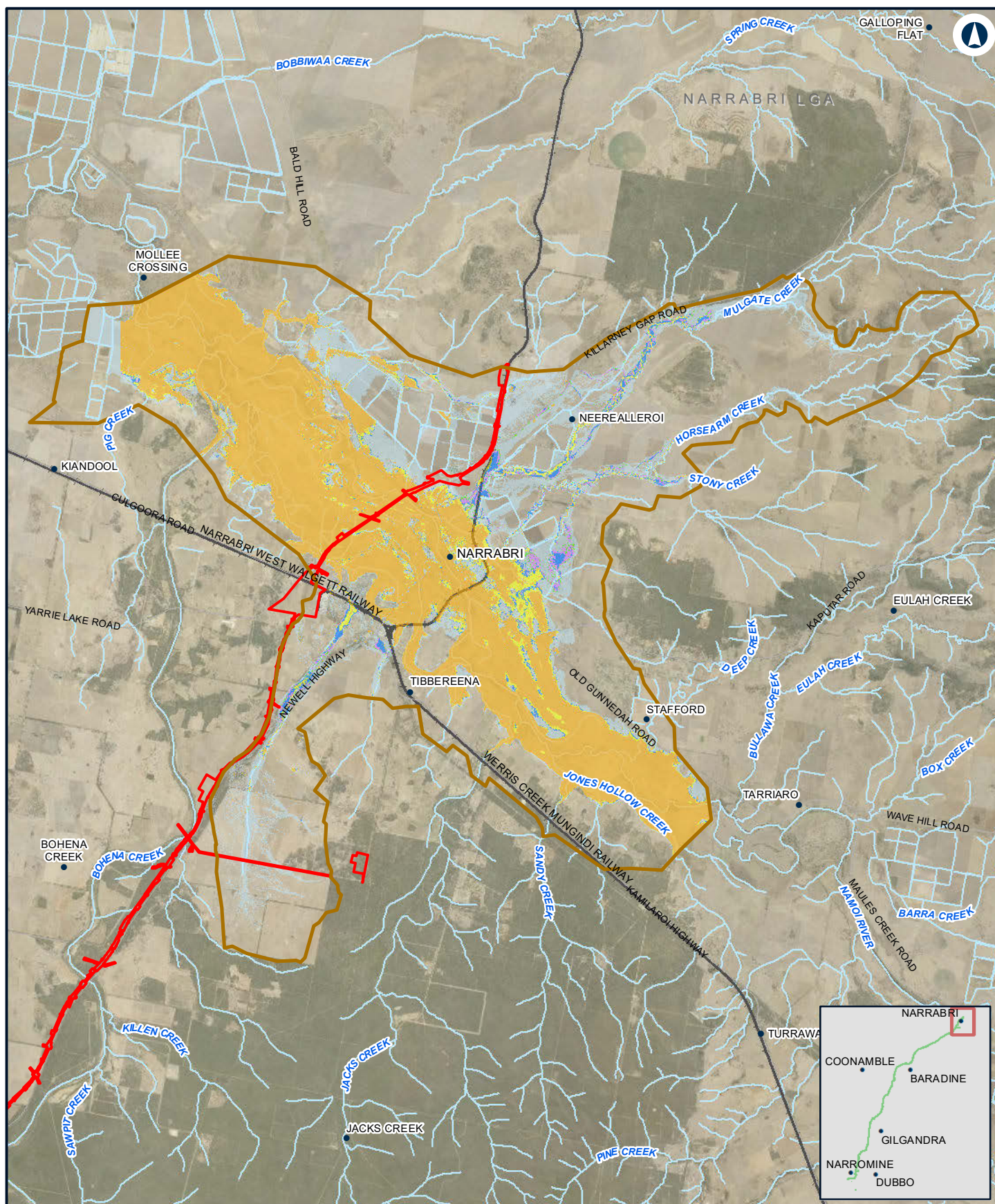
### Duration (hrs)

0 - 3hrs  
3hrs - 6hrs  
6hrs - 12hrs  
12hrs - 24hrs  
> 24hrs

**INLAND RAIL** **ARTC**

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





## NARROMINE TO NARRABRI

Existing duration - 2% AEP - Narrabrie

Appendix D - Figure 3.3n

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

### LEGEND

Model boundary

The proposal site

Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

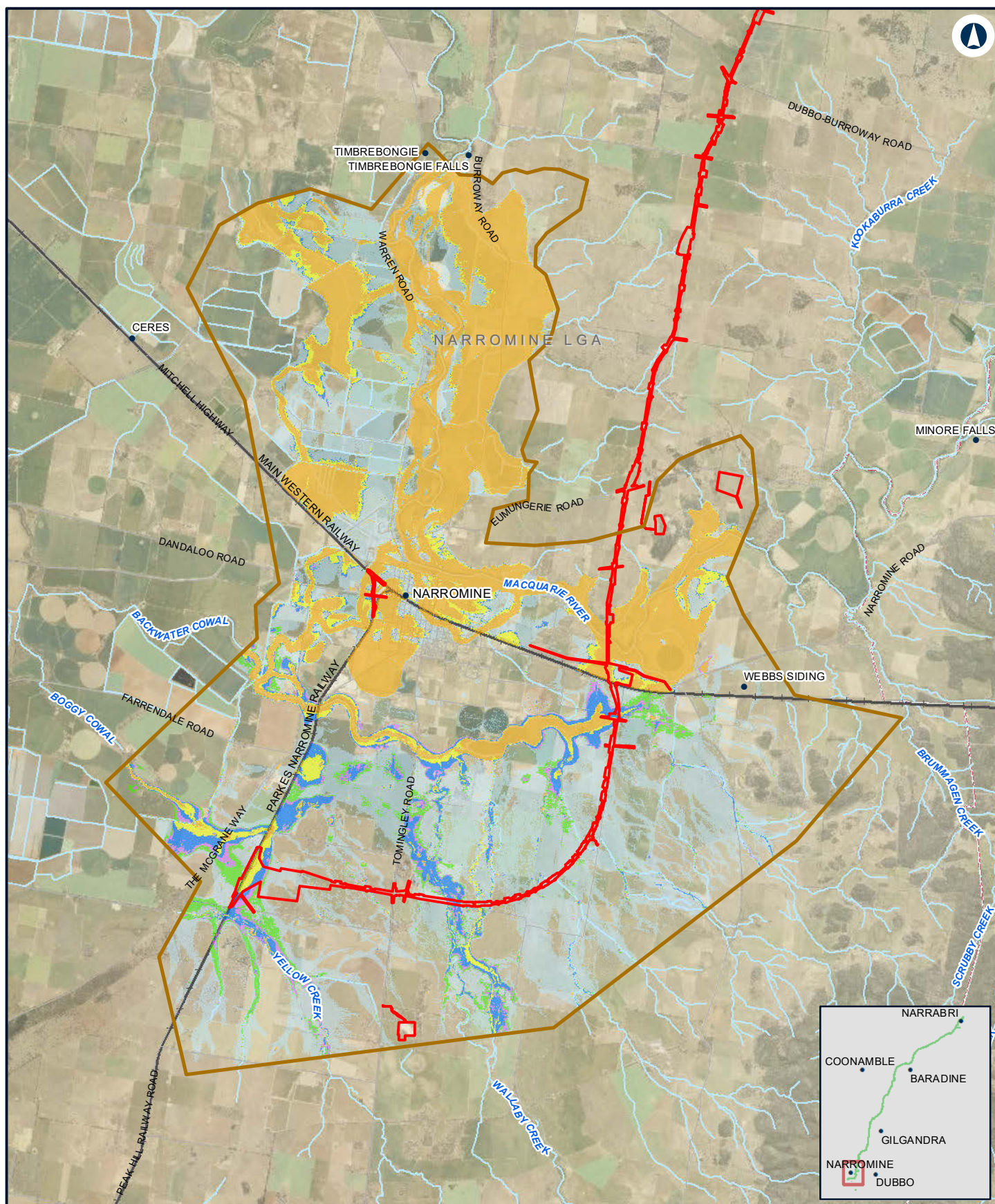
Flood extent

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RAIL**

**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - NFM

Appendix D - Figure 3.4a

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: 1:140,000

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

### LEGEND

- The proposal site
- Model boundary

### Duration (hrs)

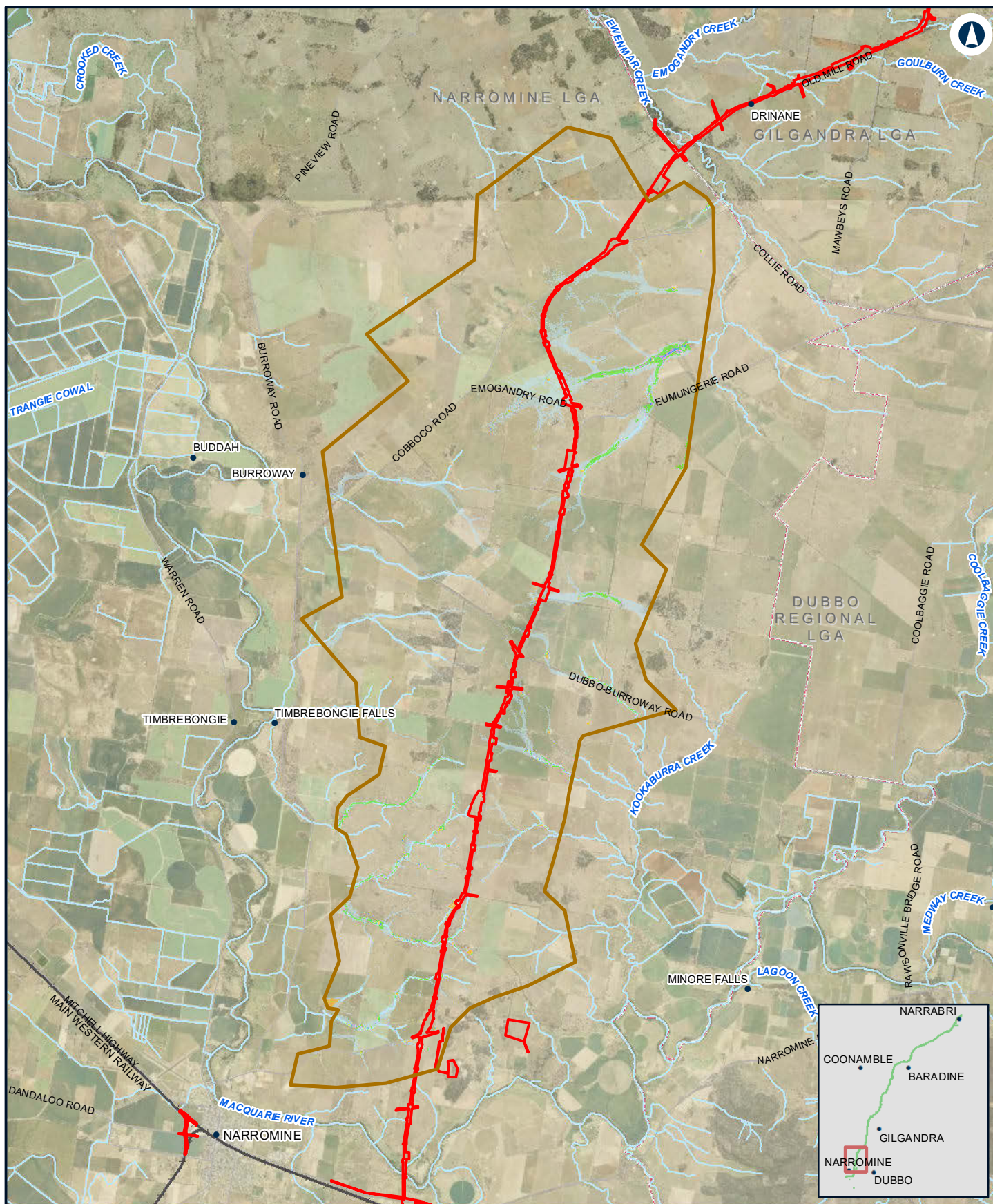
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N14

Appendix D - Figure 3.4b

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

### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

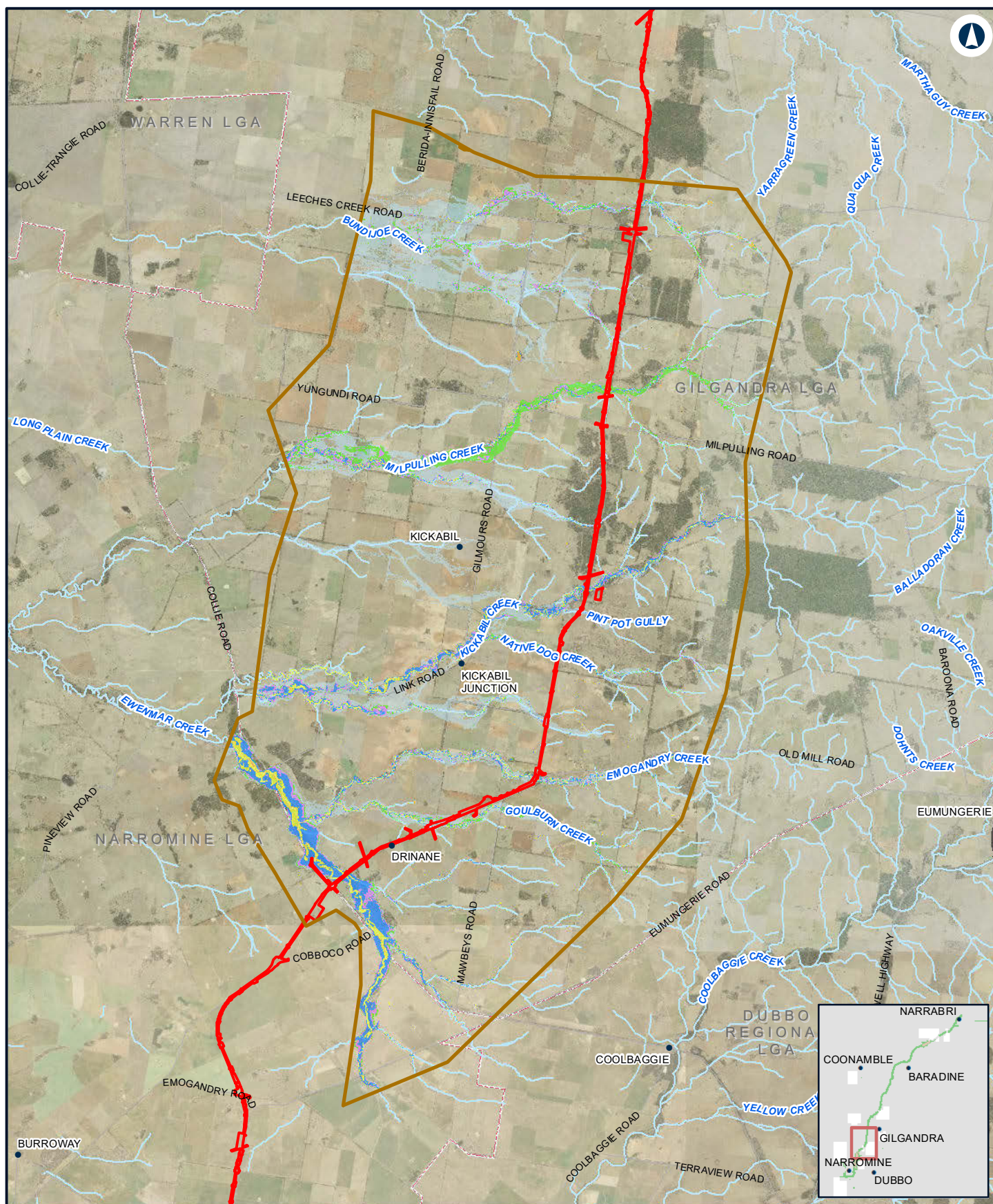
Flood extent

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RAIL**

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0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:180,000

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

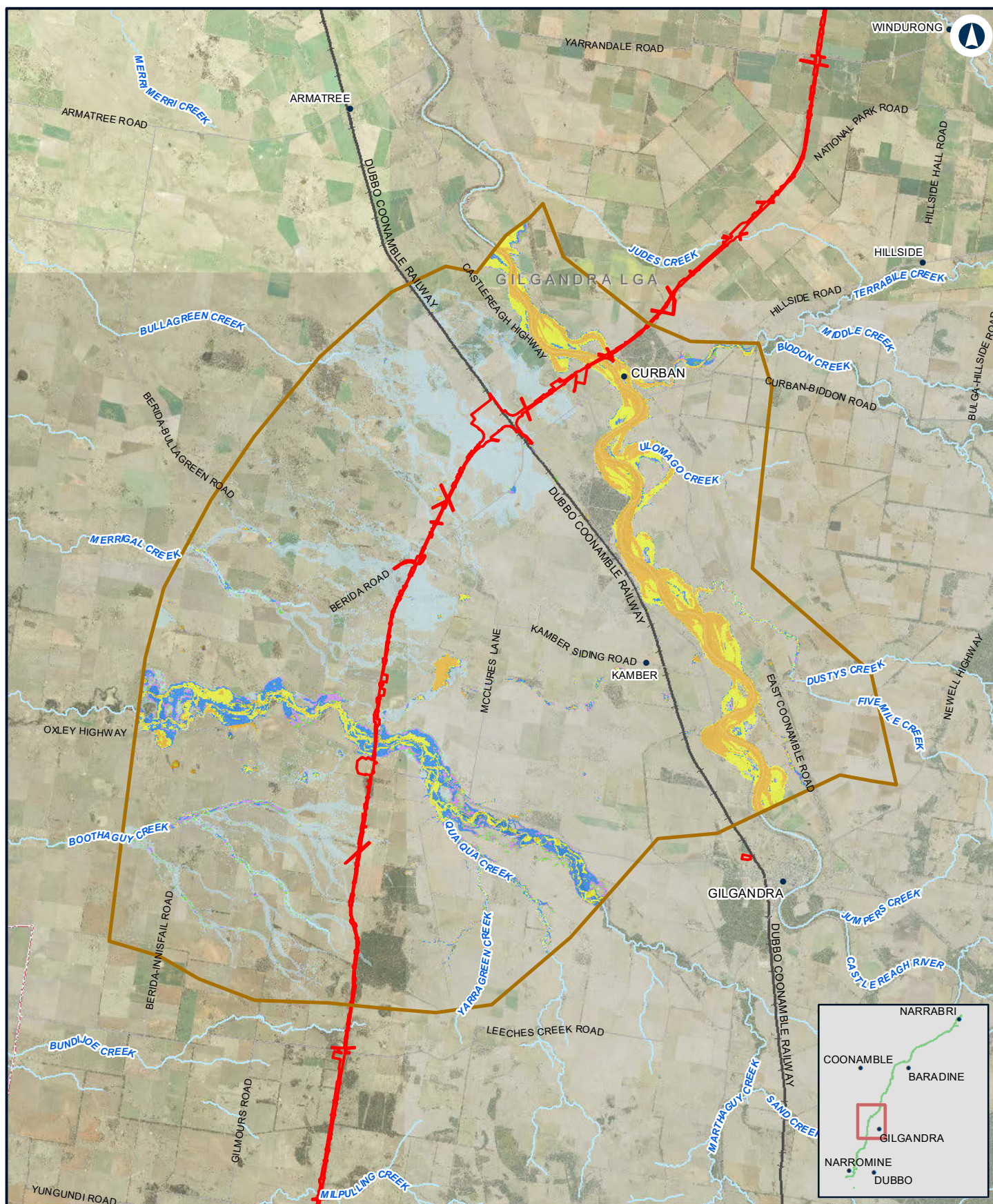
#### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N11N12

Appendix D - Figure 3.4d

0 2.5 5 Km

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   Flood extent

  Model boundary

### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

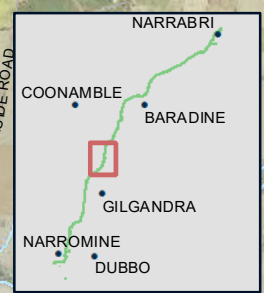
  12hrs - 24hrs

  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N10

Appendix D - Figure 3.4e

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:130,000

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

### LEGEND

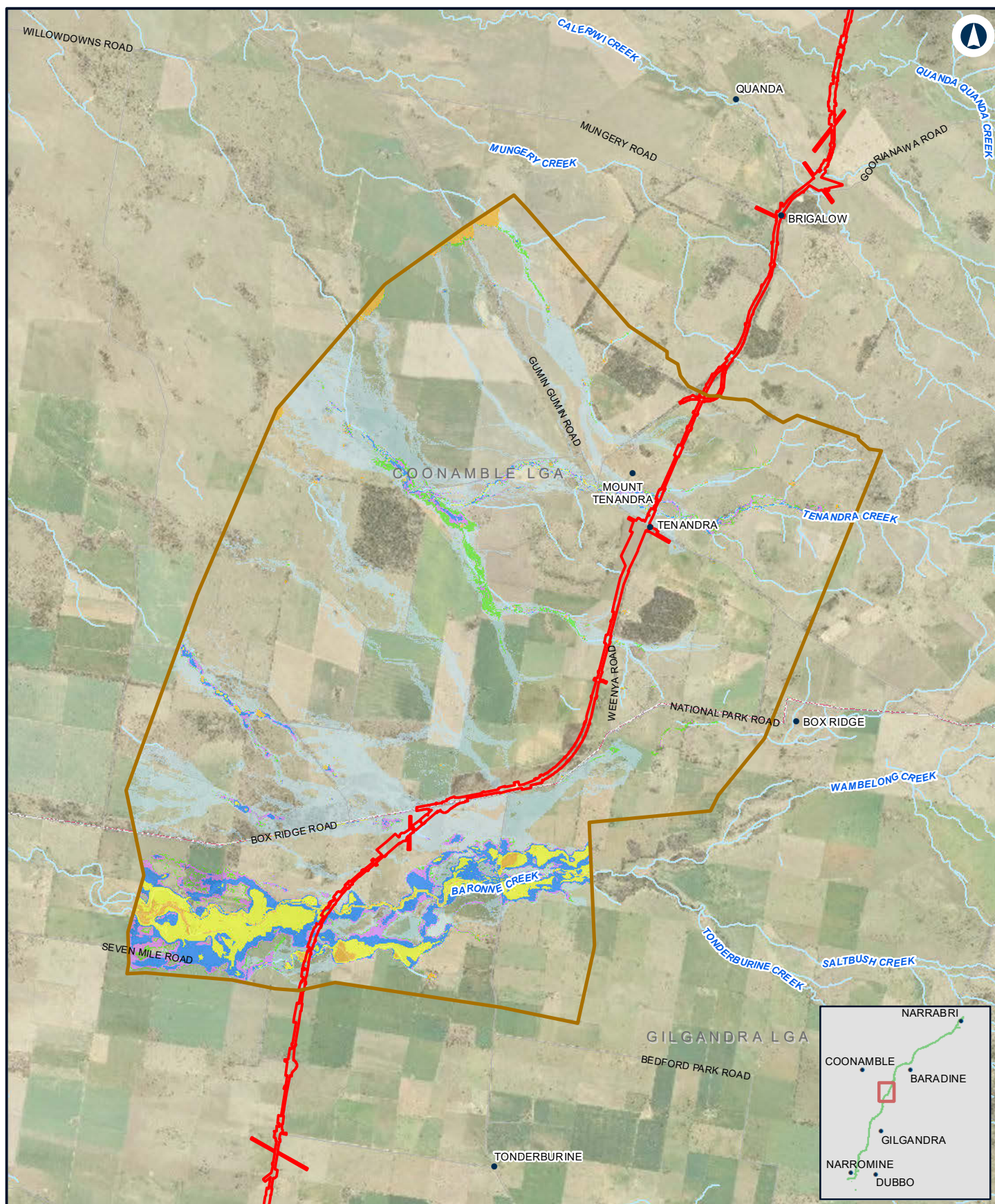
- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N9

Appendix D - Figure 3.4f

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:110,000

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

### LEGEND

The proposal site

Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

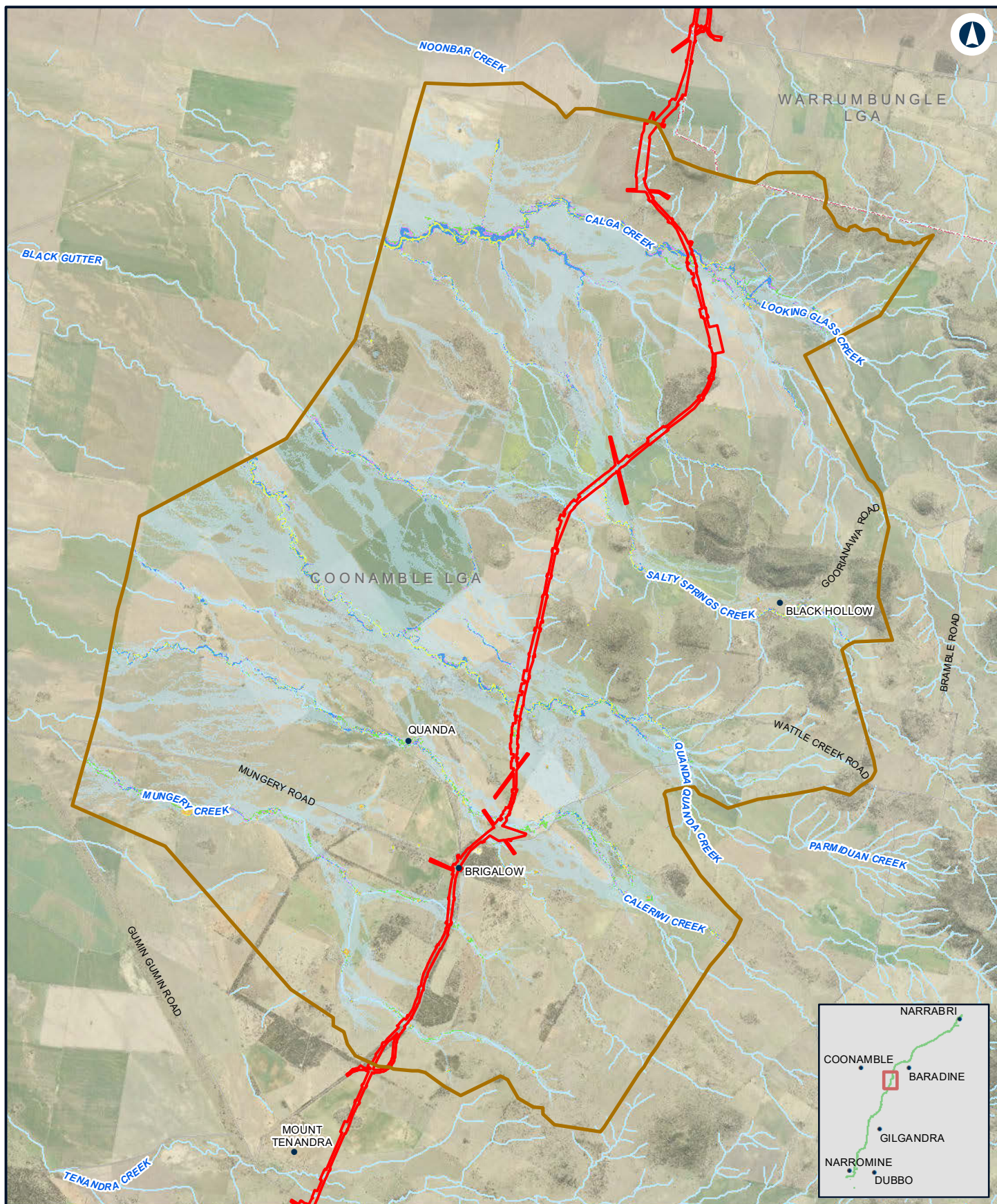
> 24hrs

Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N8

Appendix D - Figure 3.4g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:100,000

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

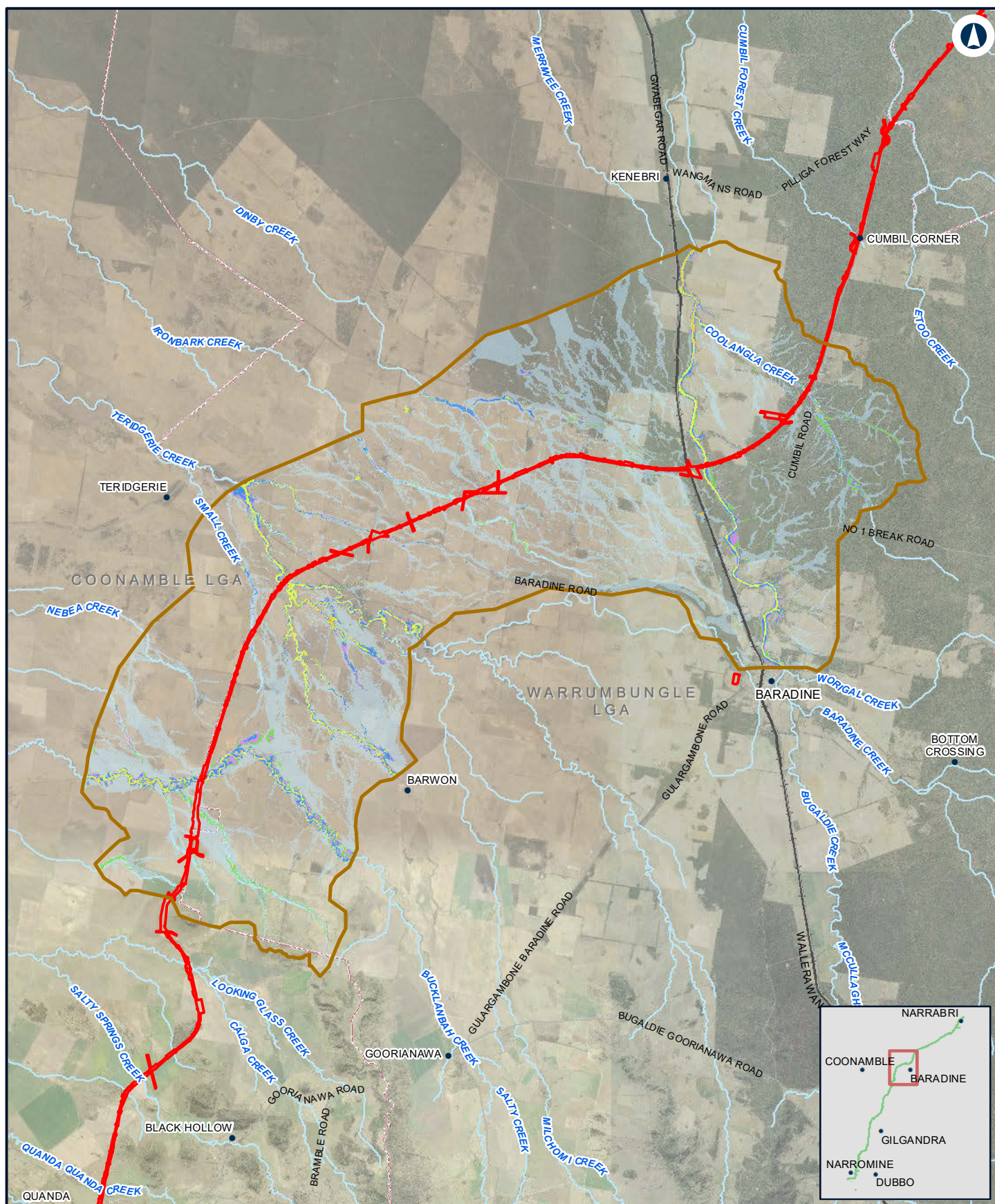
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N7

Appendix D - Figure 3.4h

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

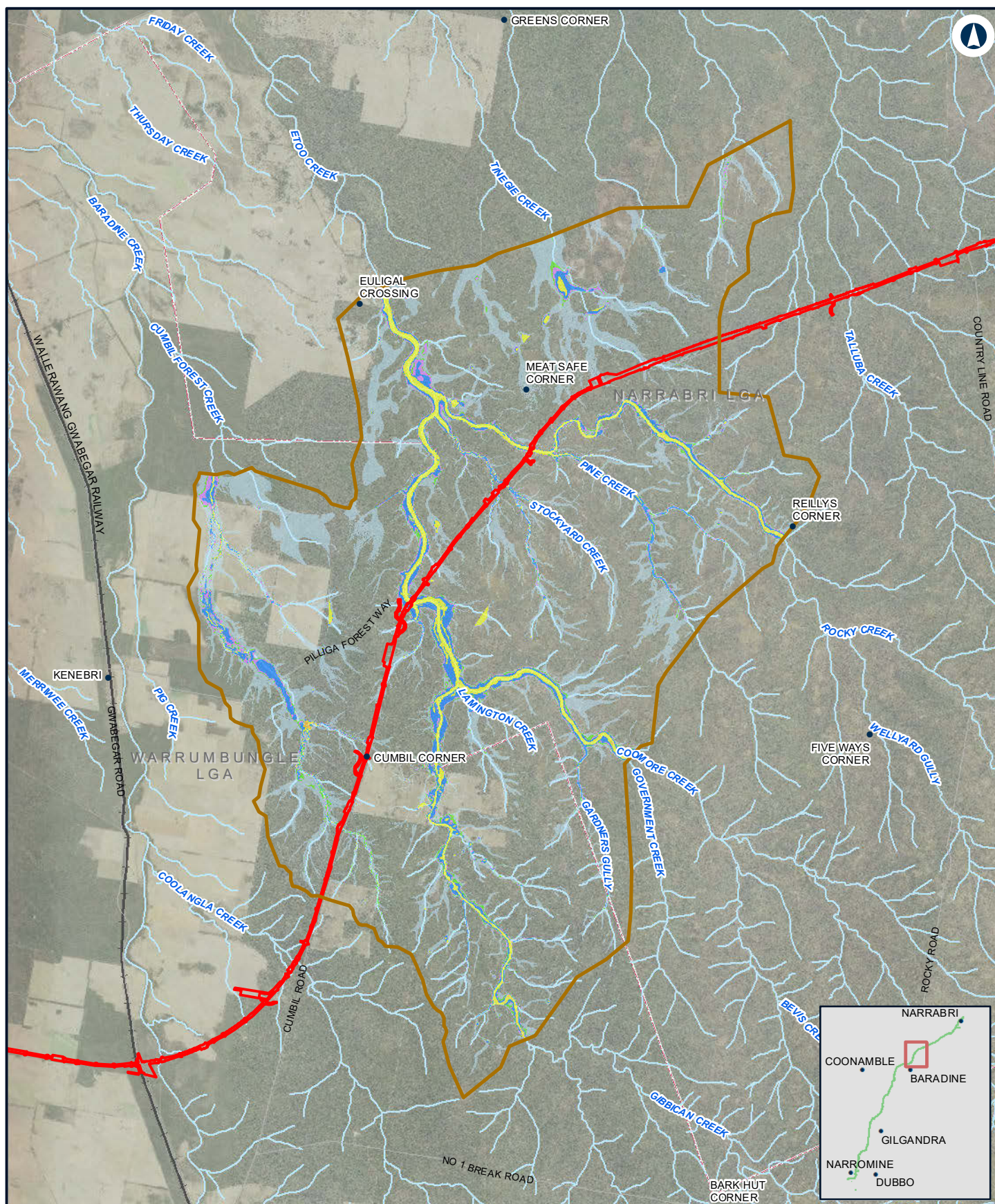
### LEGEND

- The proposal site
- Model boundary
- Duration (hrs)
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs
- Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N6

Appendix D - Figure 3.4i

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   Flood extent

  Model boundary

### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

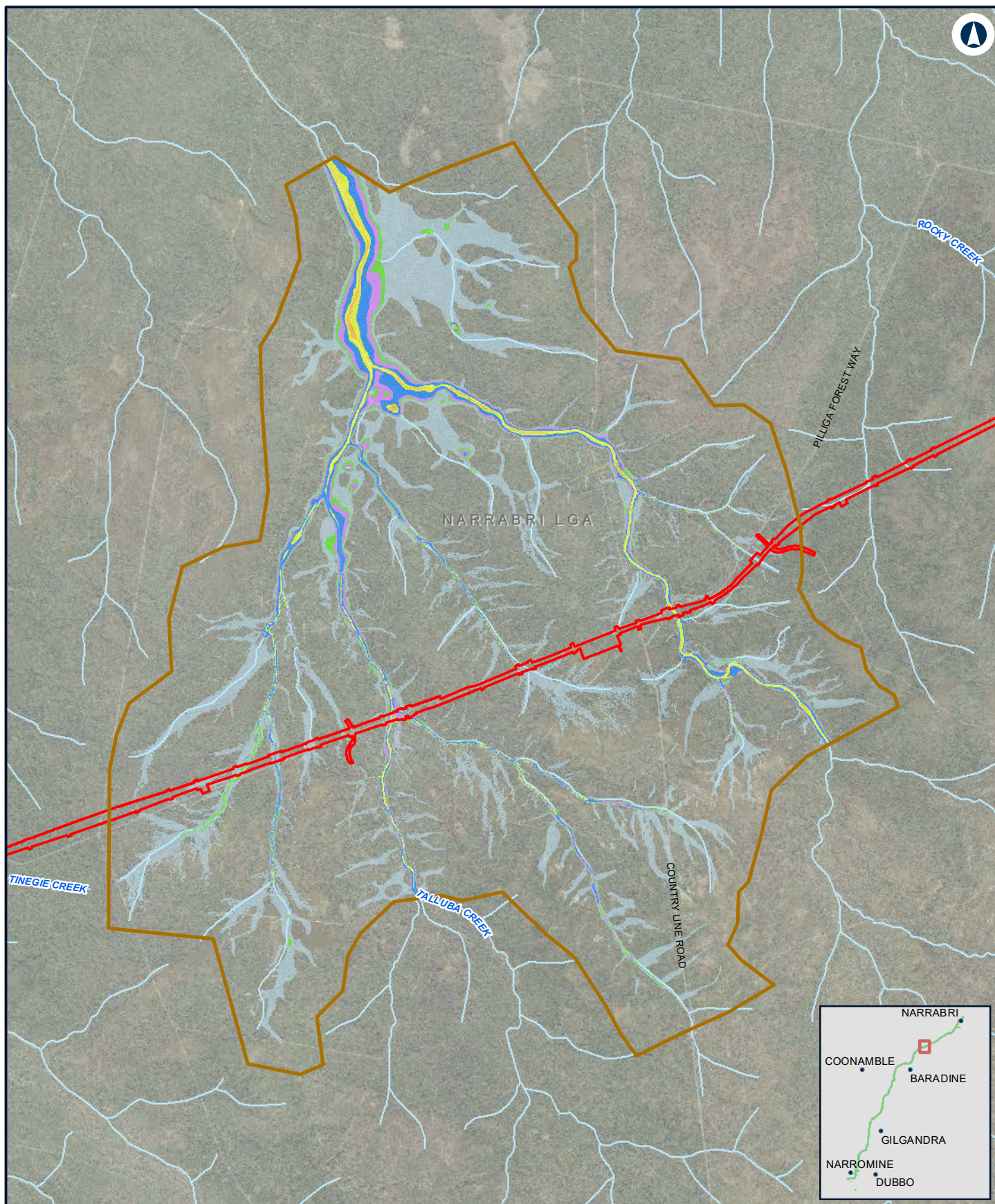
  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N5

Appendix D - Figure 3.4j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:70,000

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

### LEGEND

  The proposal site

  Model boundary

  Flood extent

**Duration (hrs)**

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

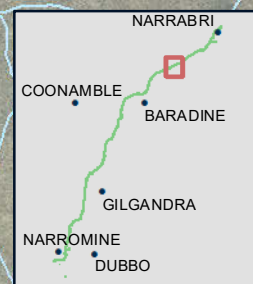
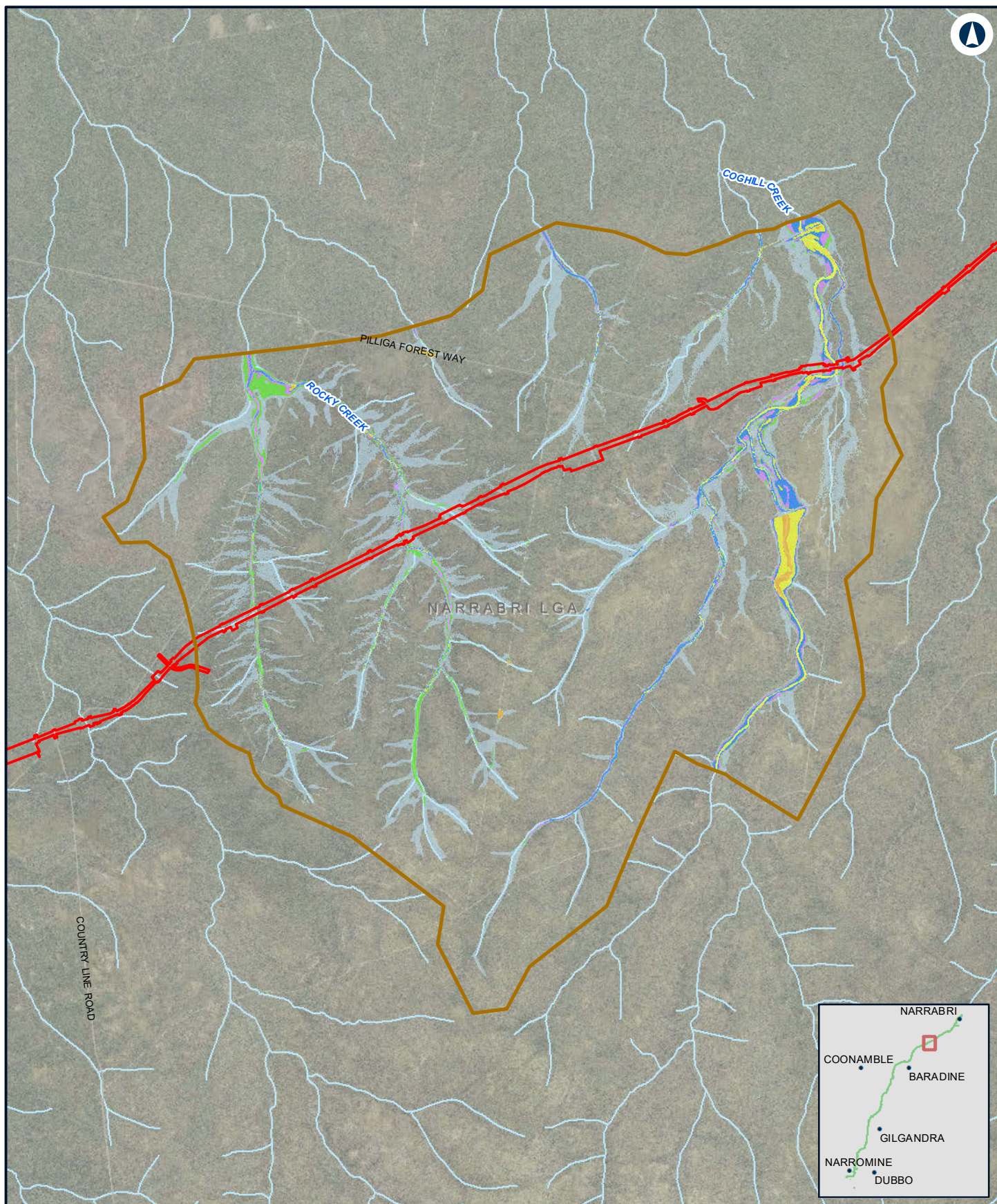
  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N4

Appendix D - Figure 3.4k

0 1 2  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:80,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

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  3hrs - 6hrs

  6hrs - 12hrs

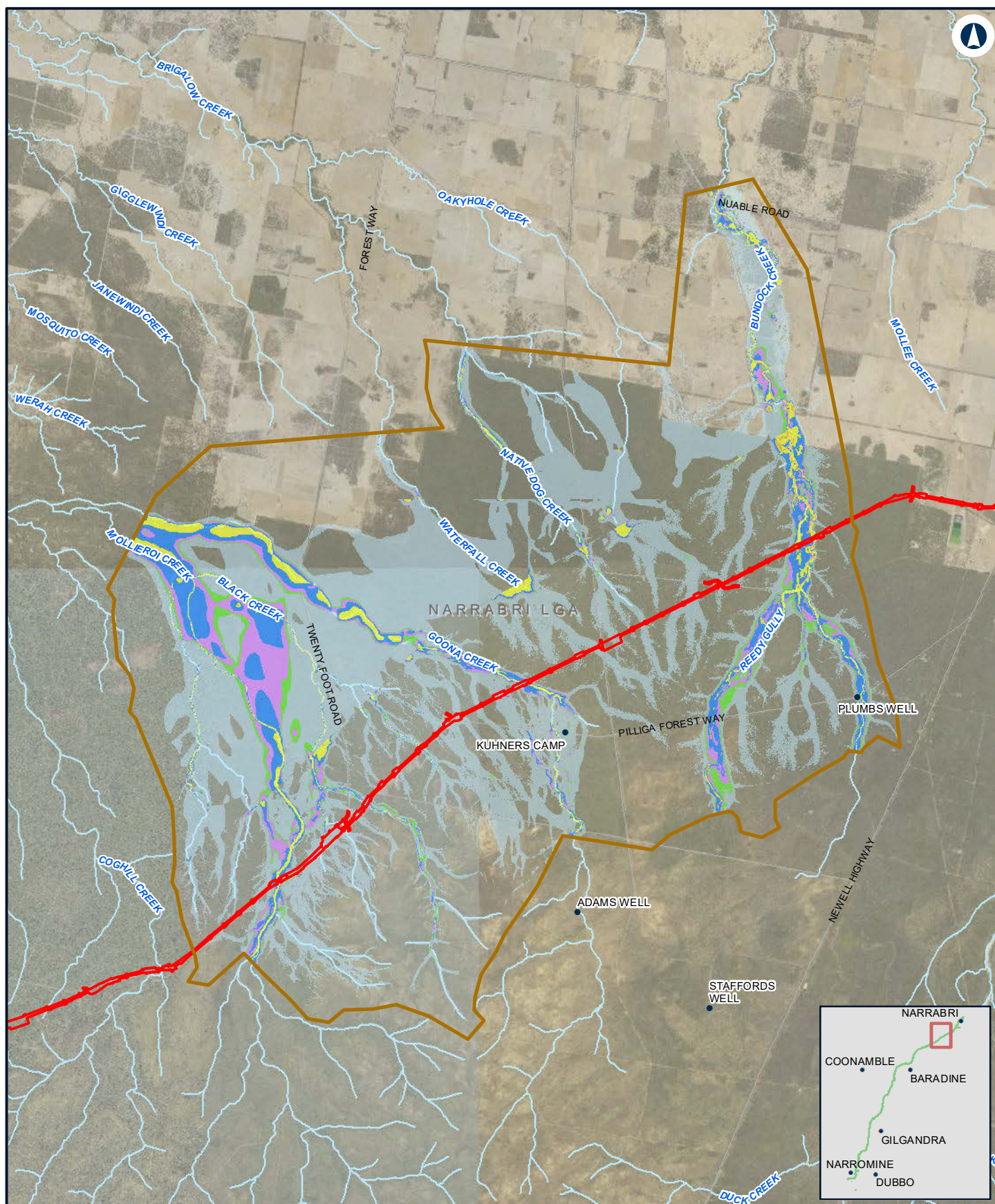
  12hrs - 24hrs

  > 24hrs

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## NARRABRI TO NARRABRI

Existing duration - 1% AEP - N2N23

Appendix D - Figure 3.4I

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022

Paper: A4

Author: JacobsGHD

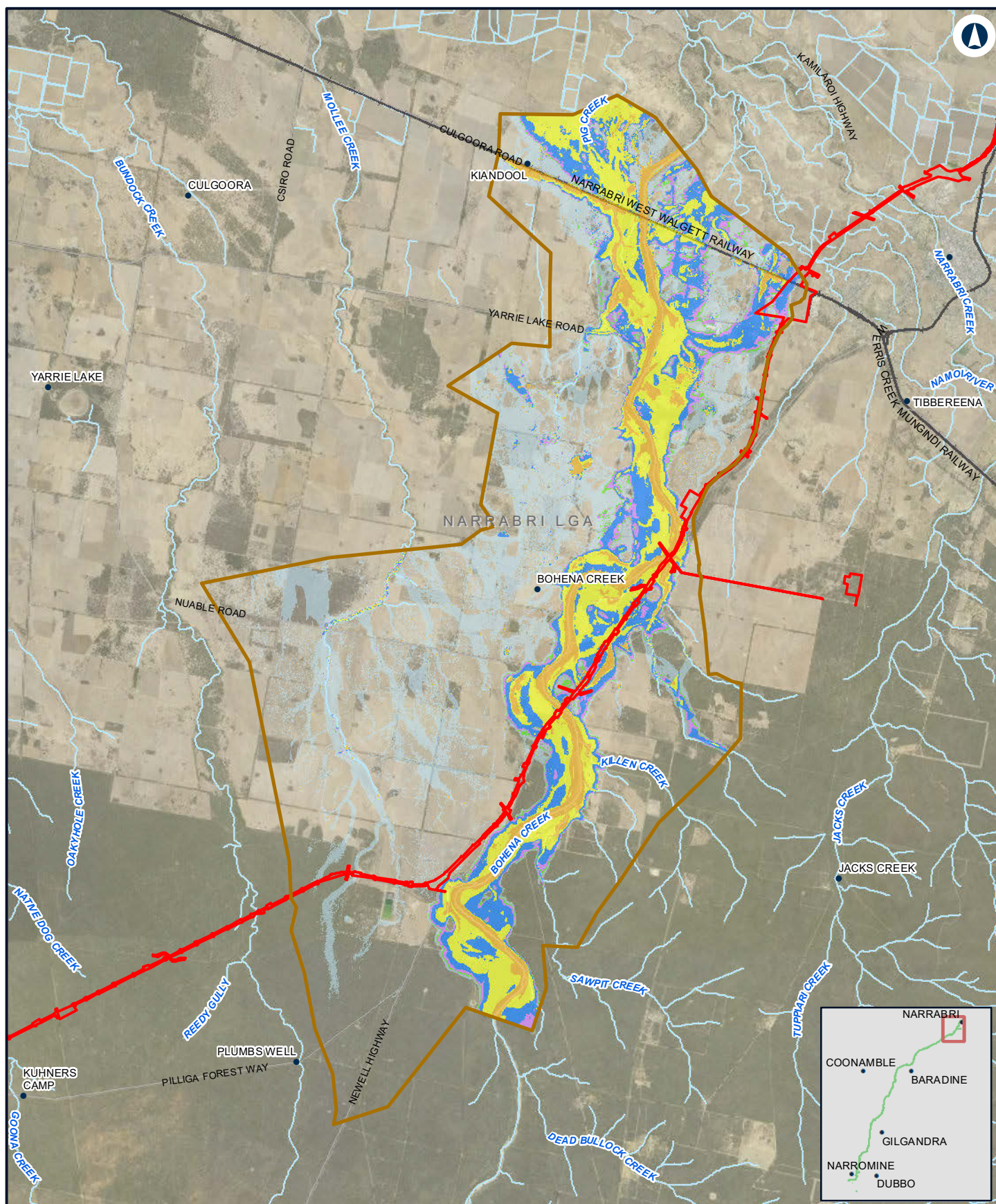
Scale: 1:140,000

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

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - N2N1

Appendix D - Figure 3.4m

0 2 4 Km

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

Paper: A4  
Scale: 1:150,000

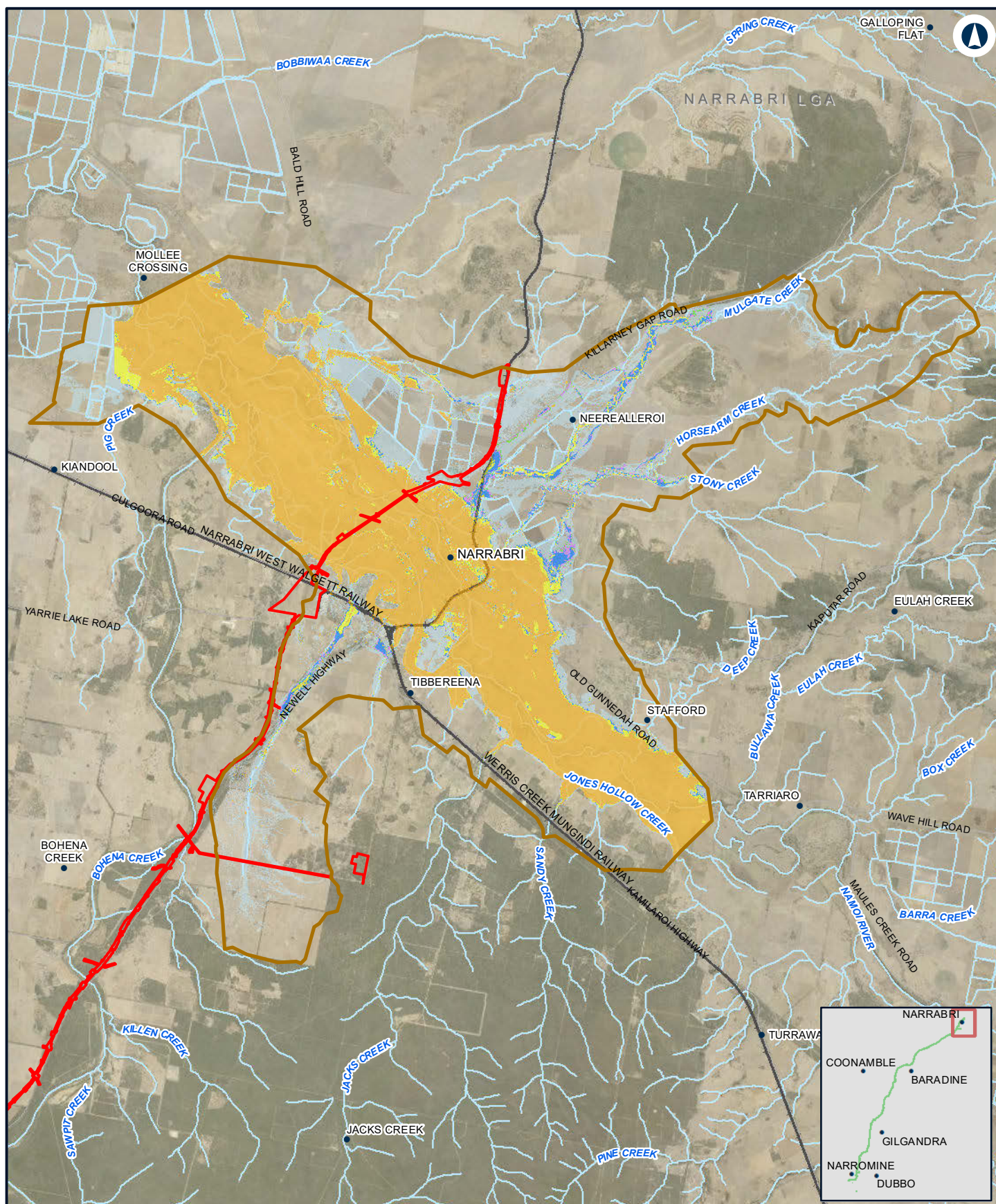
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP - Narrabri

Appendix D - Figure 3.4n

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

### LEGEND

The proposal site Flood extent

Model boundary

### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

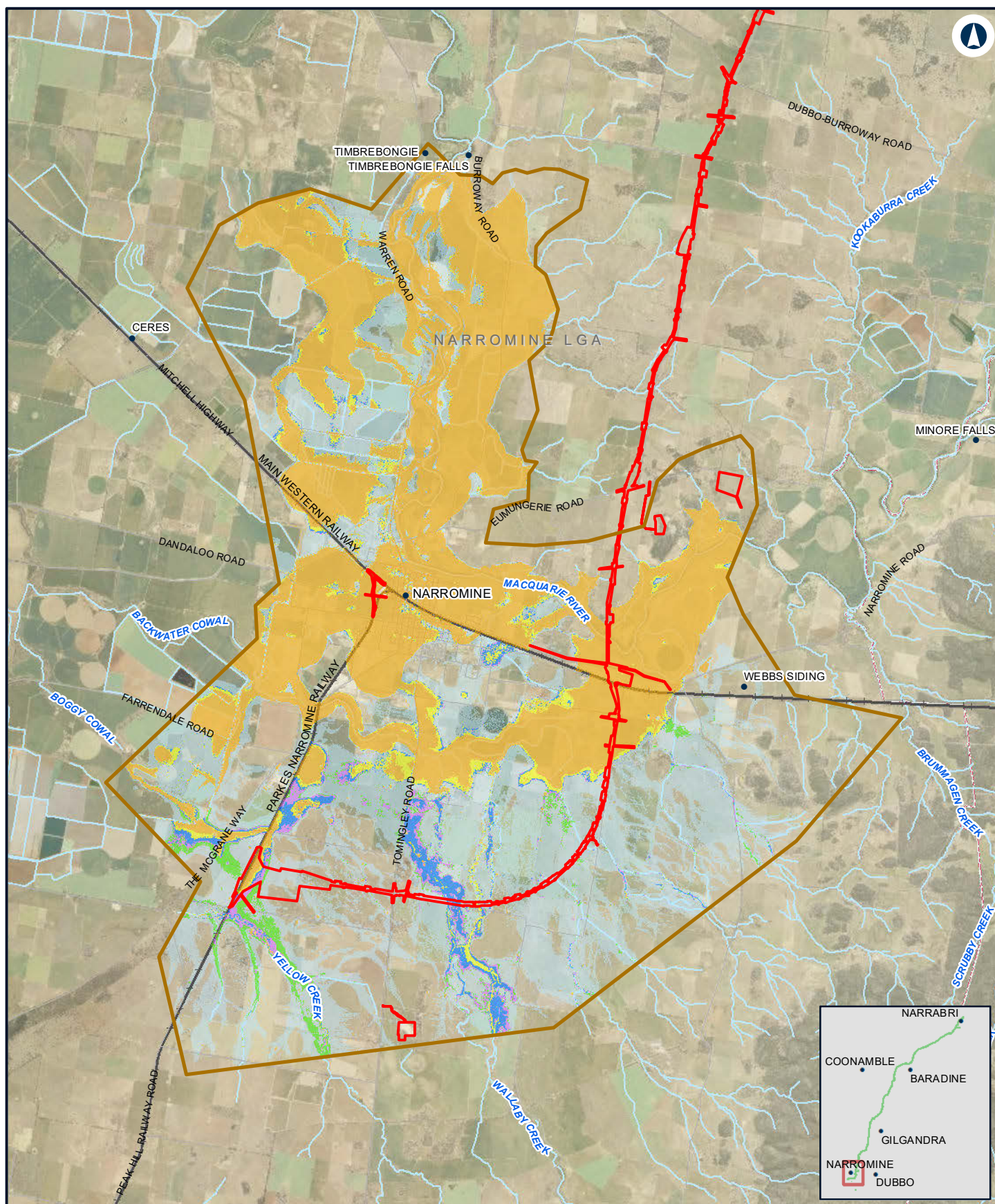
12hrs - 24hrs

> 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - NFM

Appendix D Figure 3.5a

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: 1:140,000

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

### LEGEND

  The proposal site

  Model boundary

### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

  > 24hrs

  Flood extent

**INLAND  
RAIL**

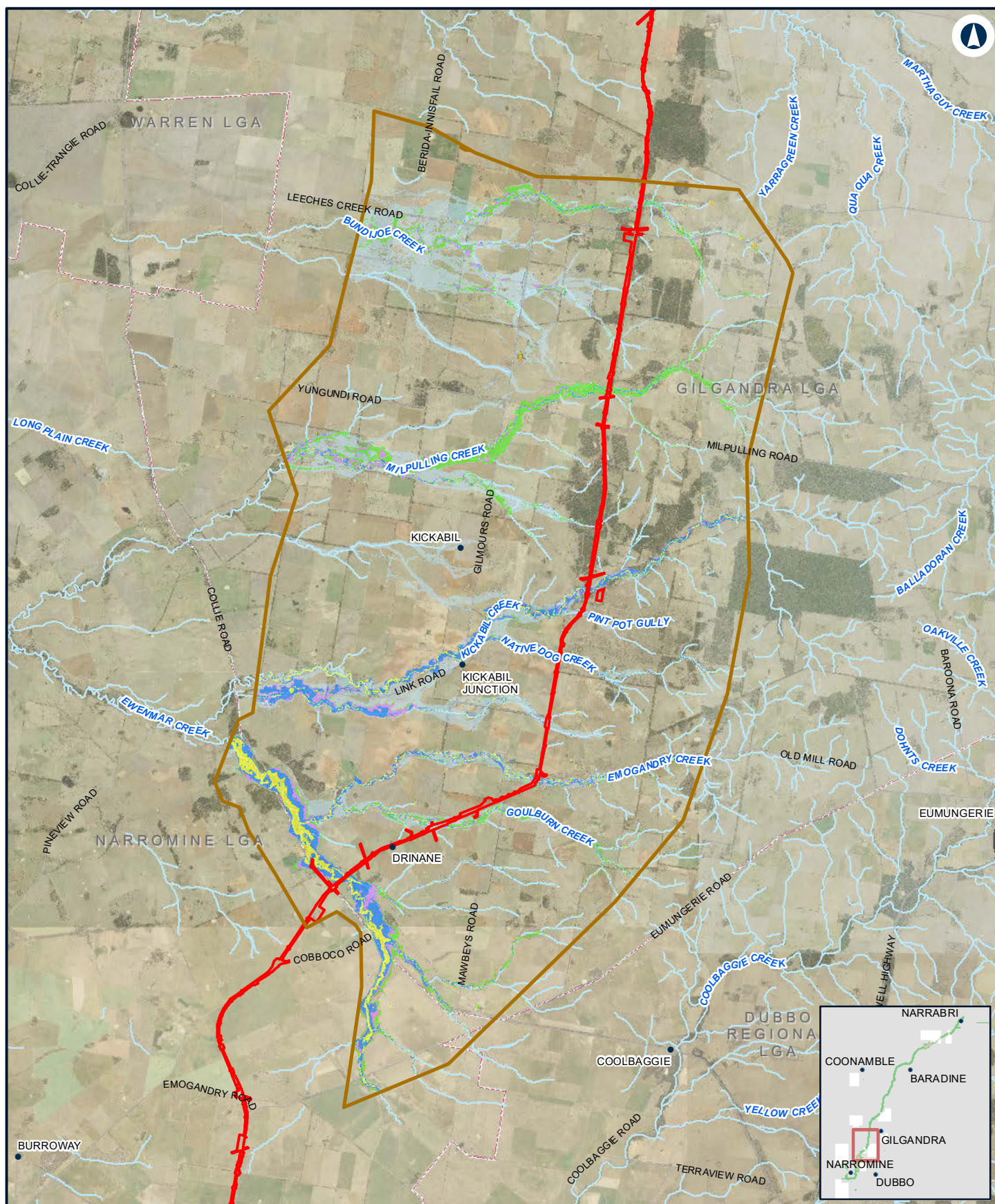
**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N13

Appendix D Figure 3.5c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:180,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

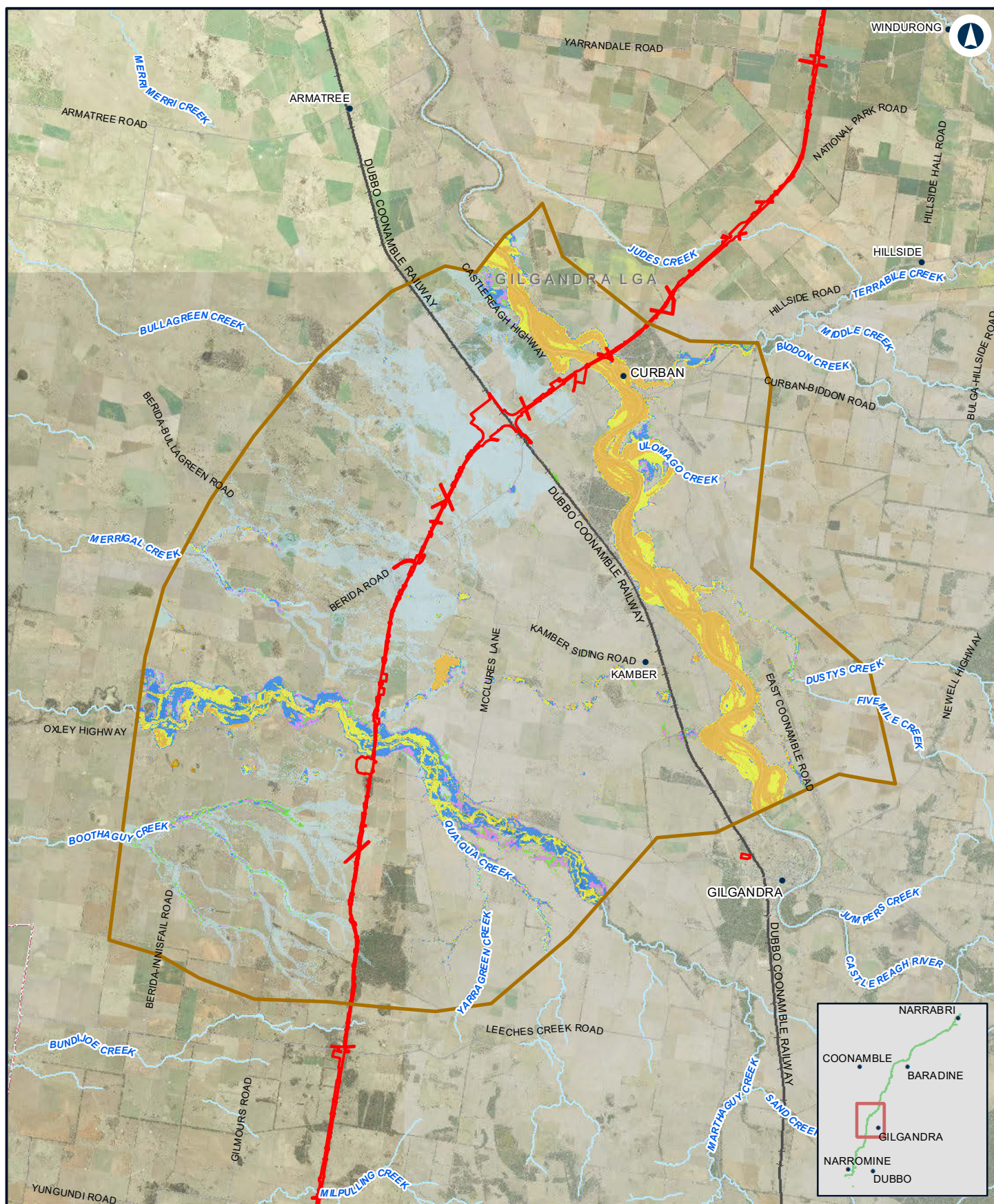
Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N11N12

Appendix D Figure 3.5d

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

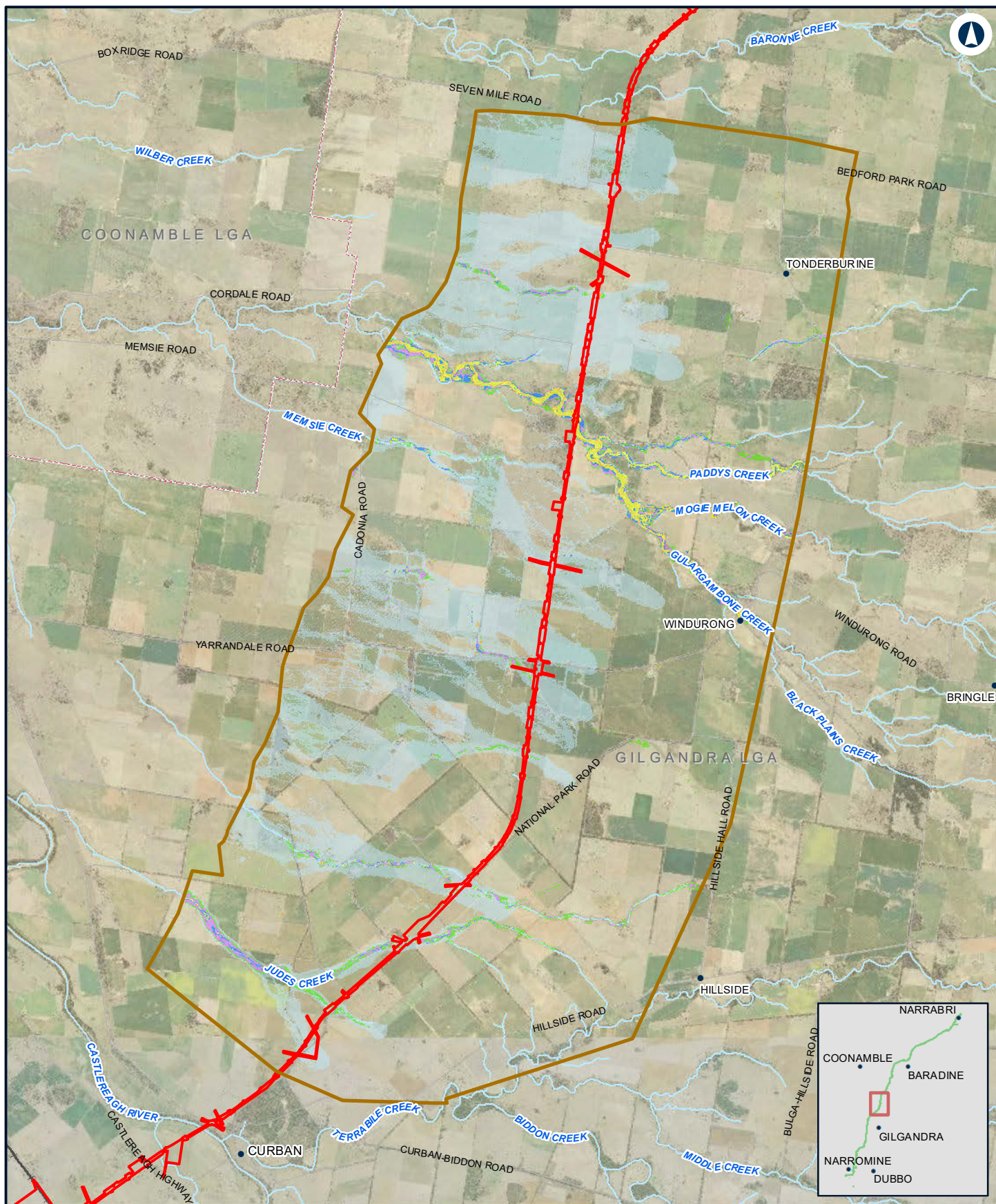
> 24hrs

Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N10

Appendix D Figure 3.5e

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:130,000

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

### LEGEND

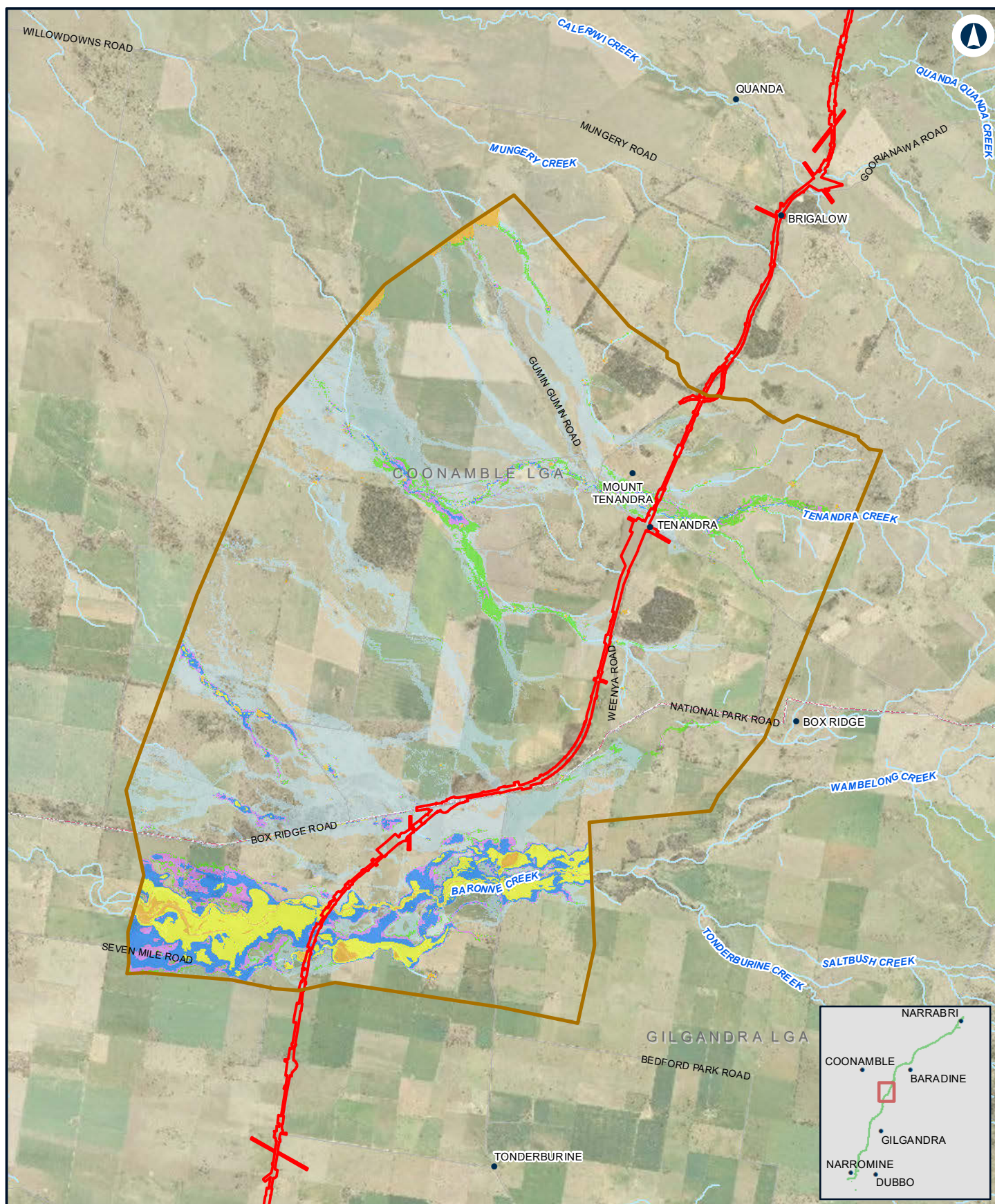
- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N9

Appendix D Figure 3.5f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:110,000

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

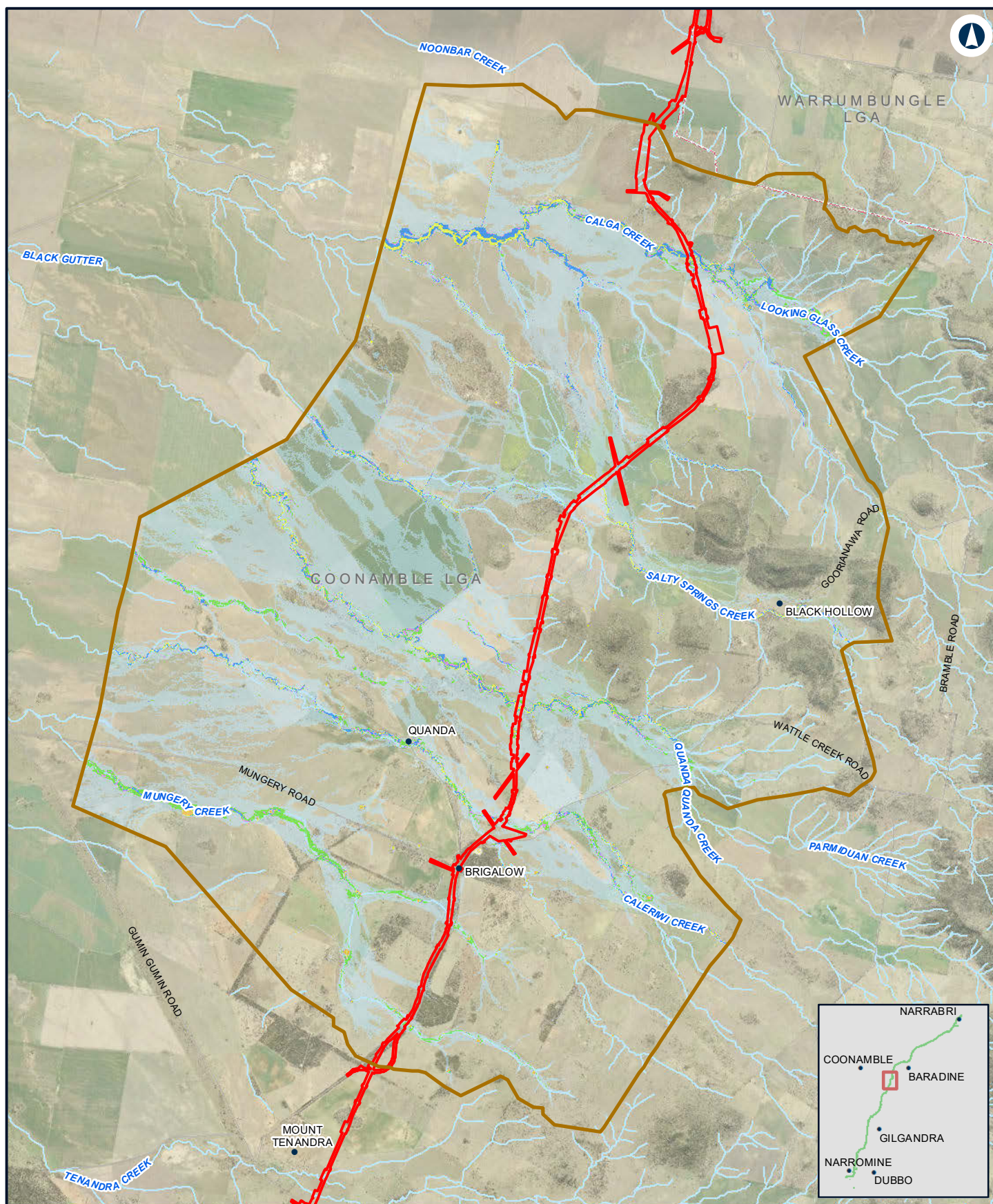
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N8

Appendix D Figure 3.5g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:100,000

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

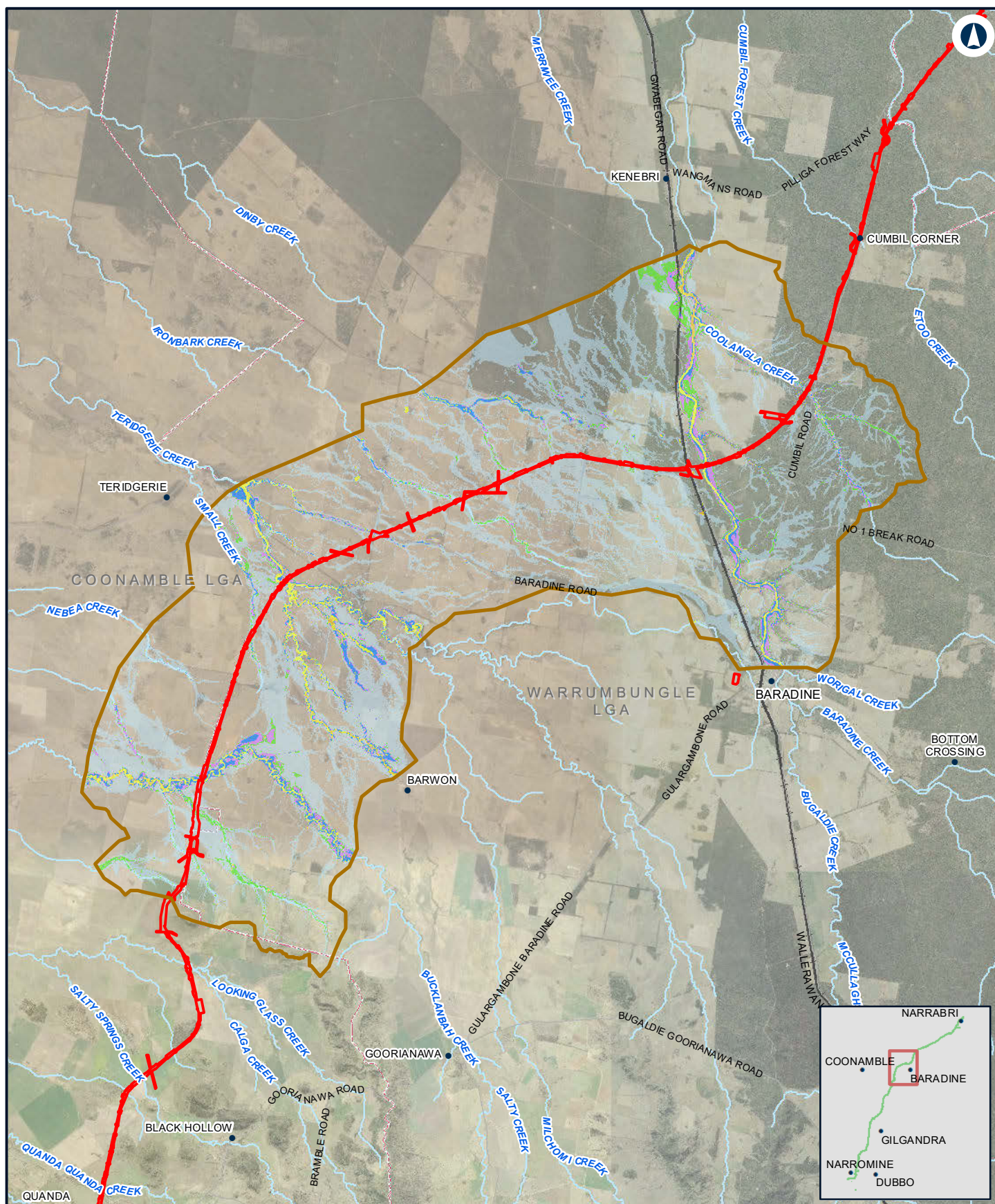
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N7

Appendix D Figure 3.5h

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

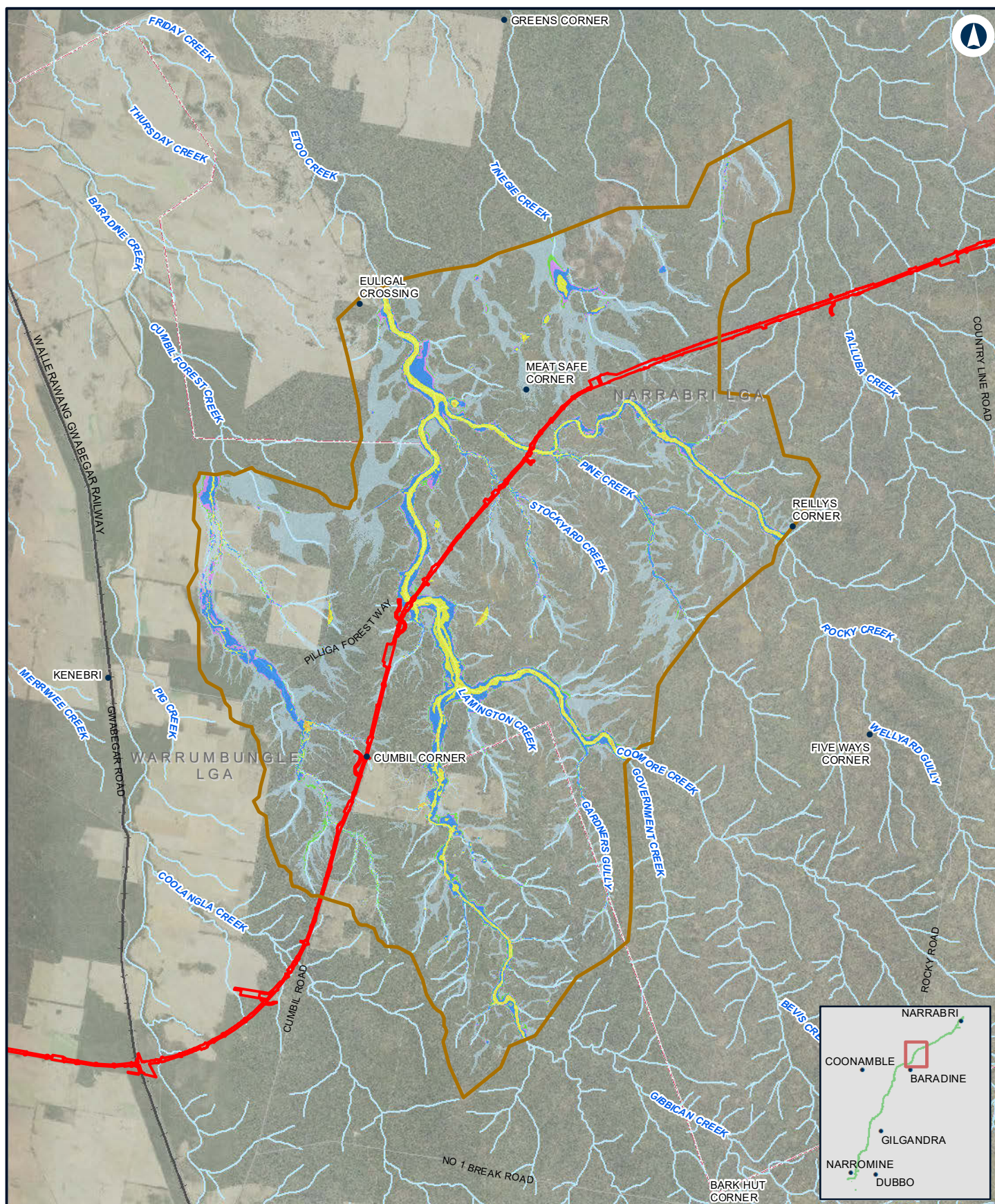
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N6

Appendix D Figure 3.5i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:150,000

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

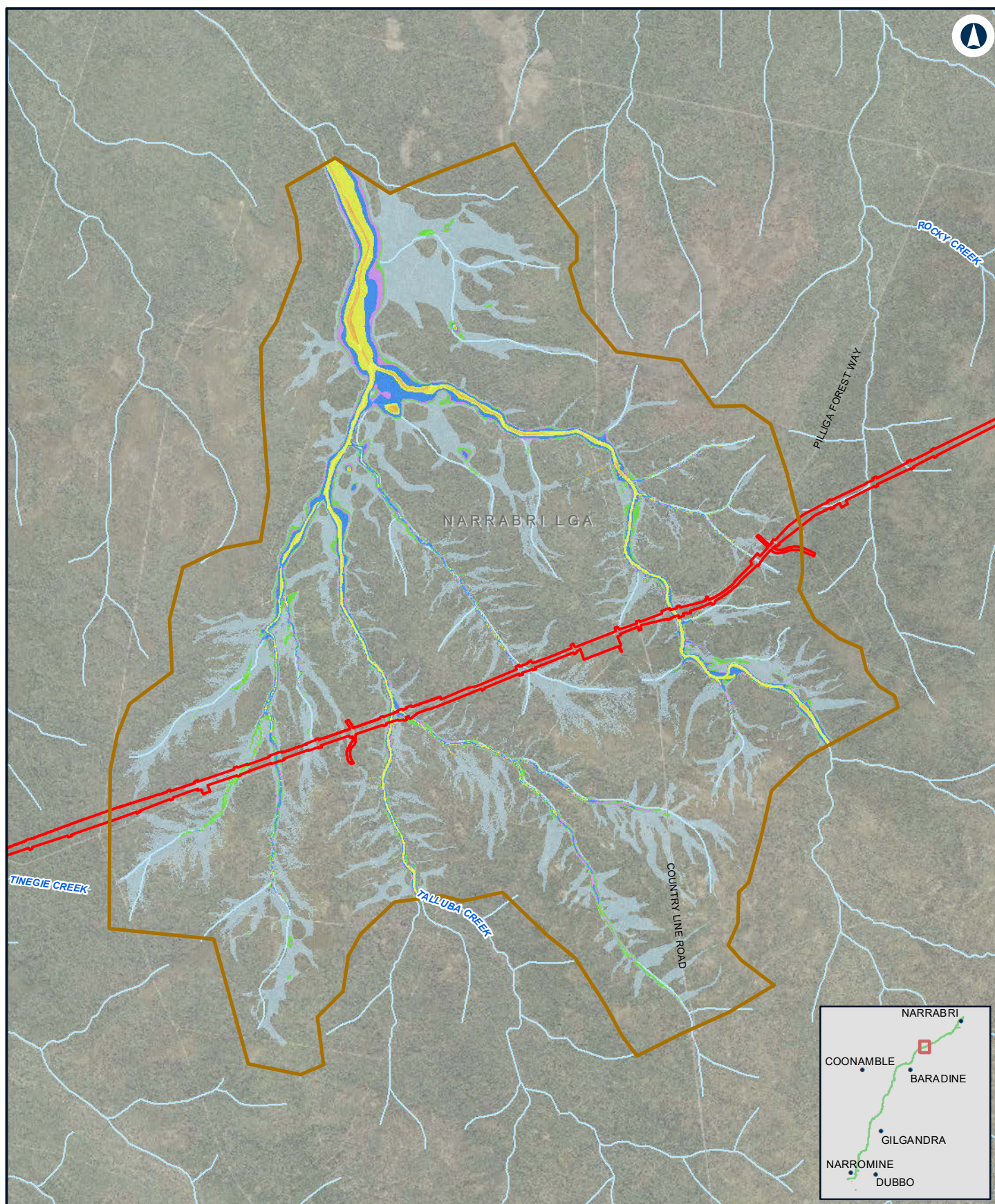
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N5

Appendix D Figure 3.5j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:70,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

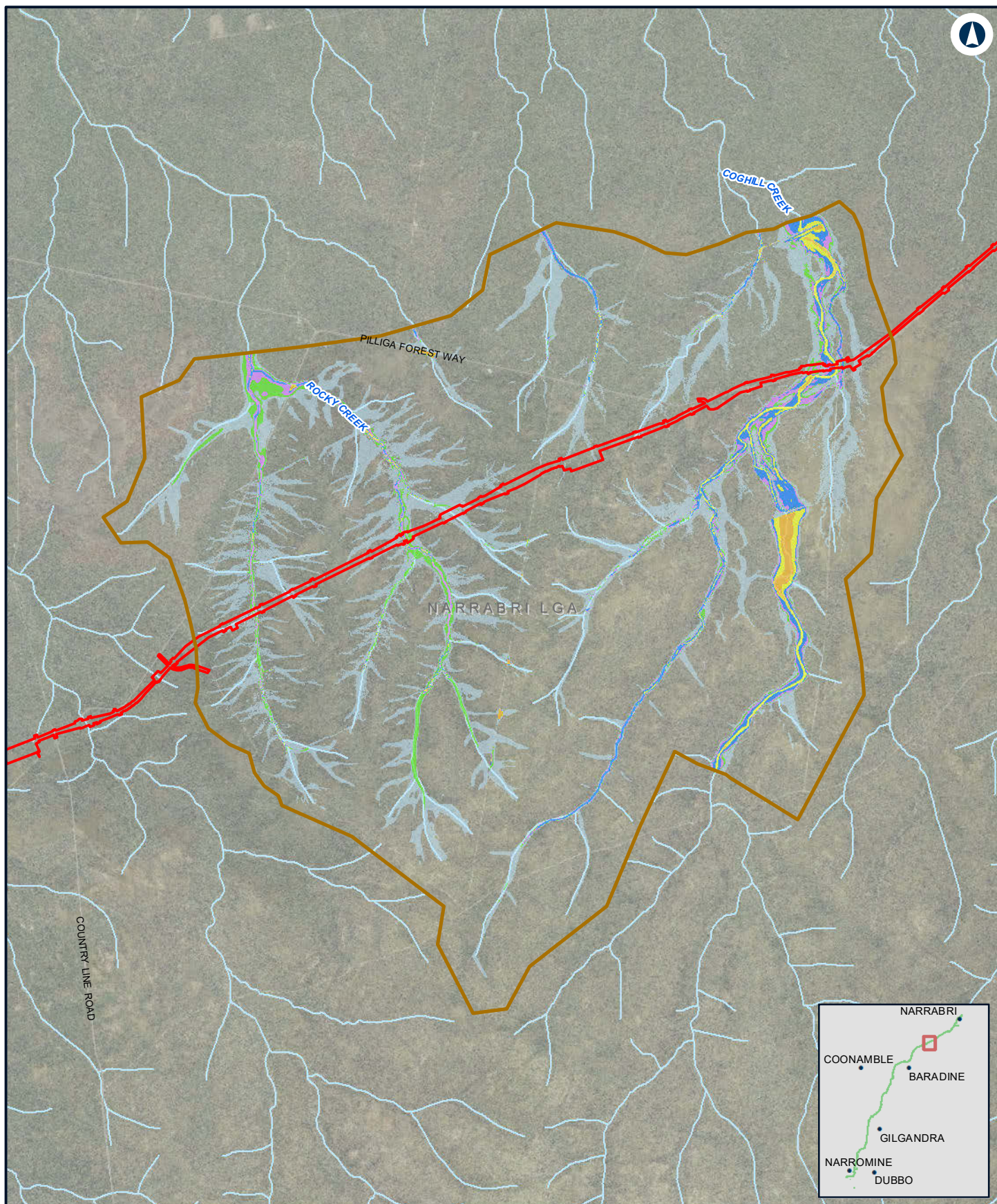
  > 24hrs

**INLAND  
RAIL**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N4

Appendix D Figure 3.5k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:80,000

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

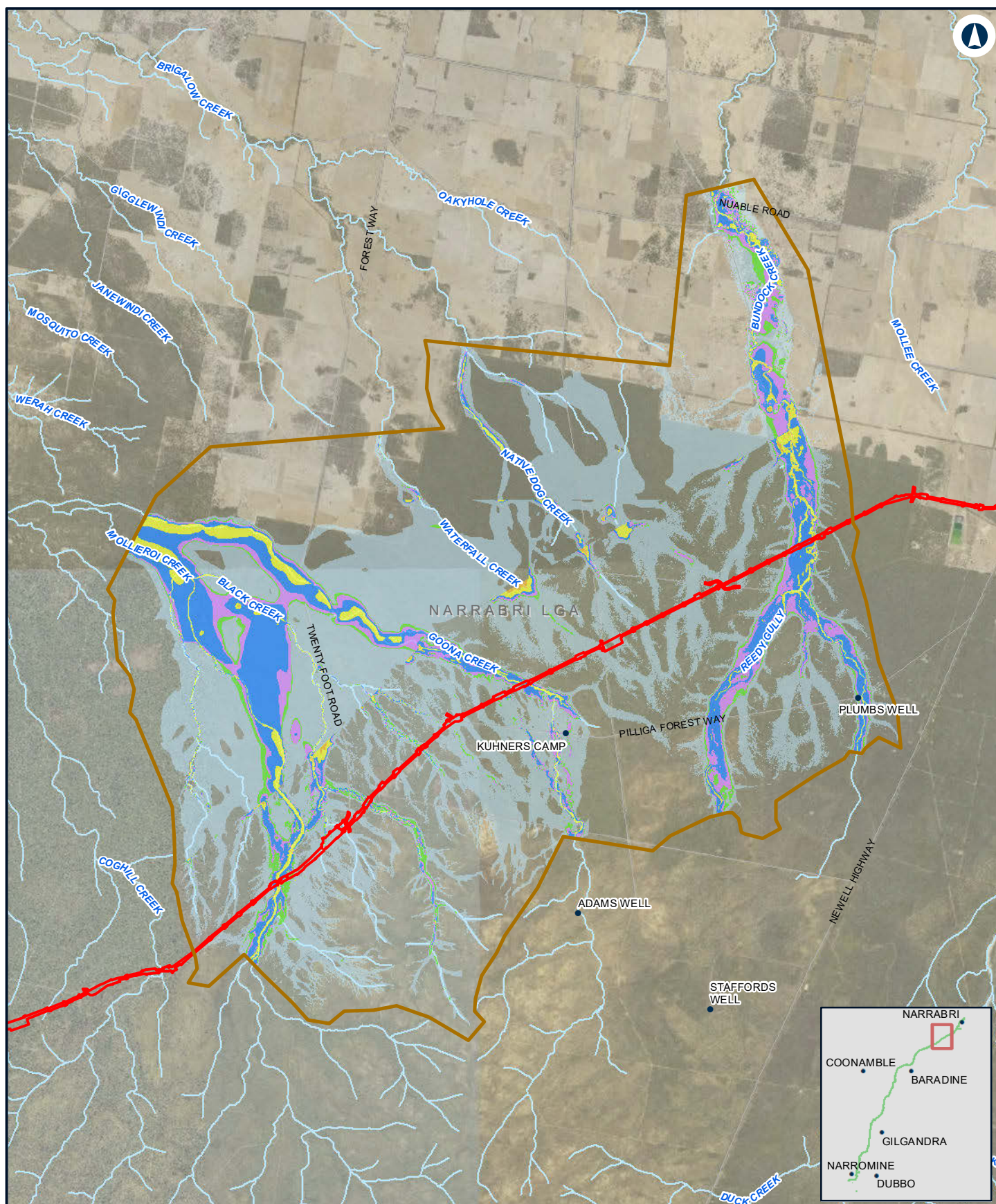
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N23

Appendix D Figure 3.5I

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:140,000

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

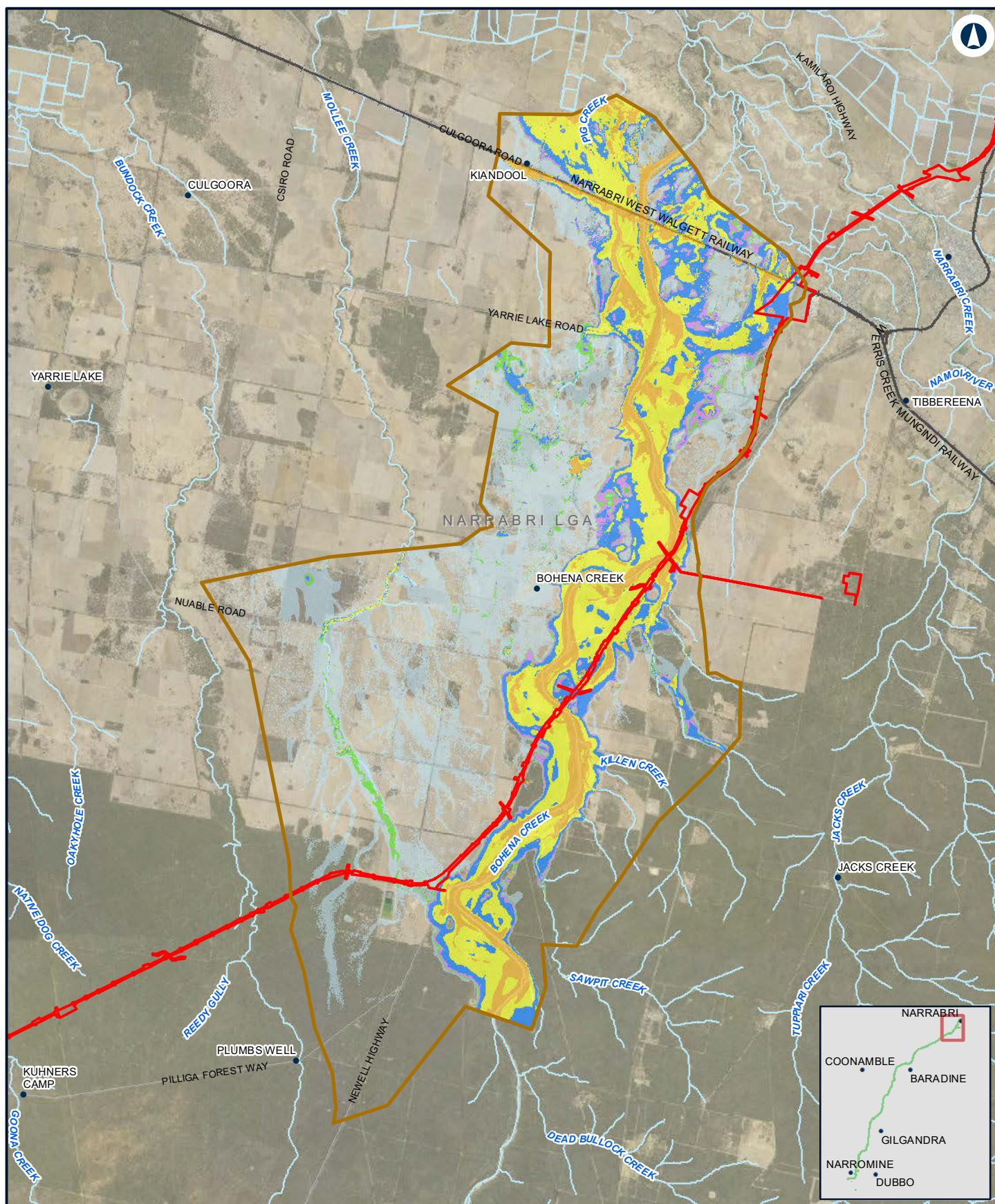
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 1% AEP with climate change - N2N1

Appendix D Figure 3.5m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:150,000

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

### LEGEND

  The proposal site

  Model boundary

### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

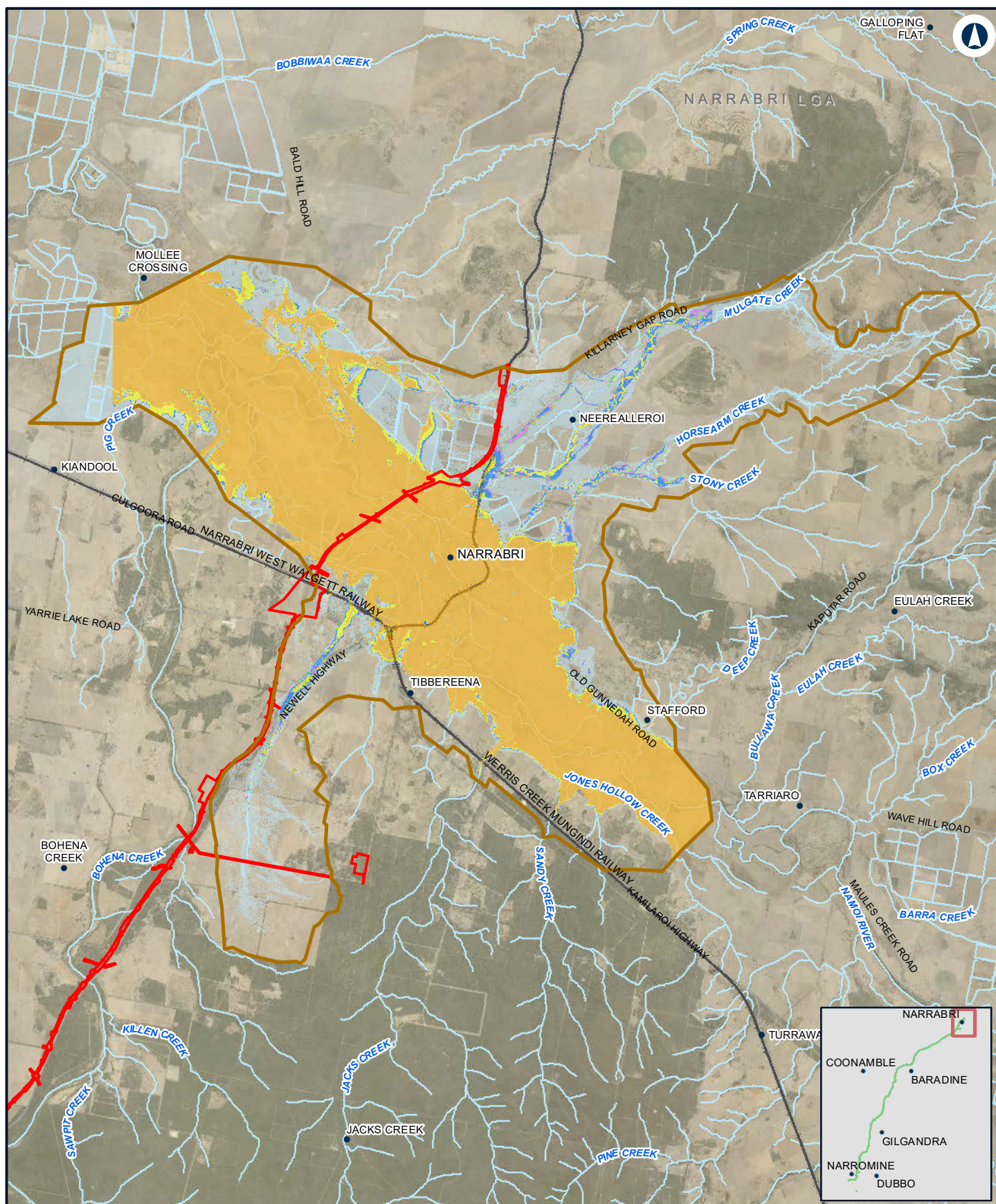
> 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

#### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

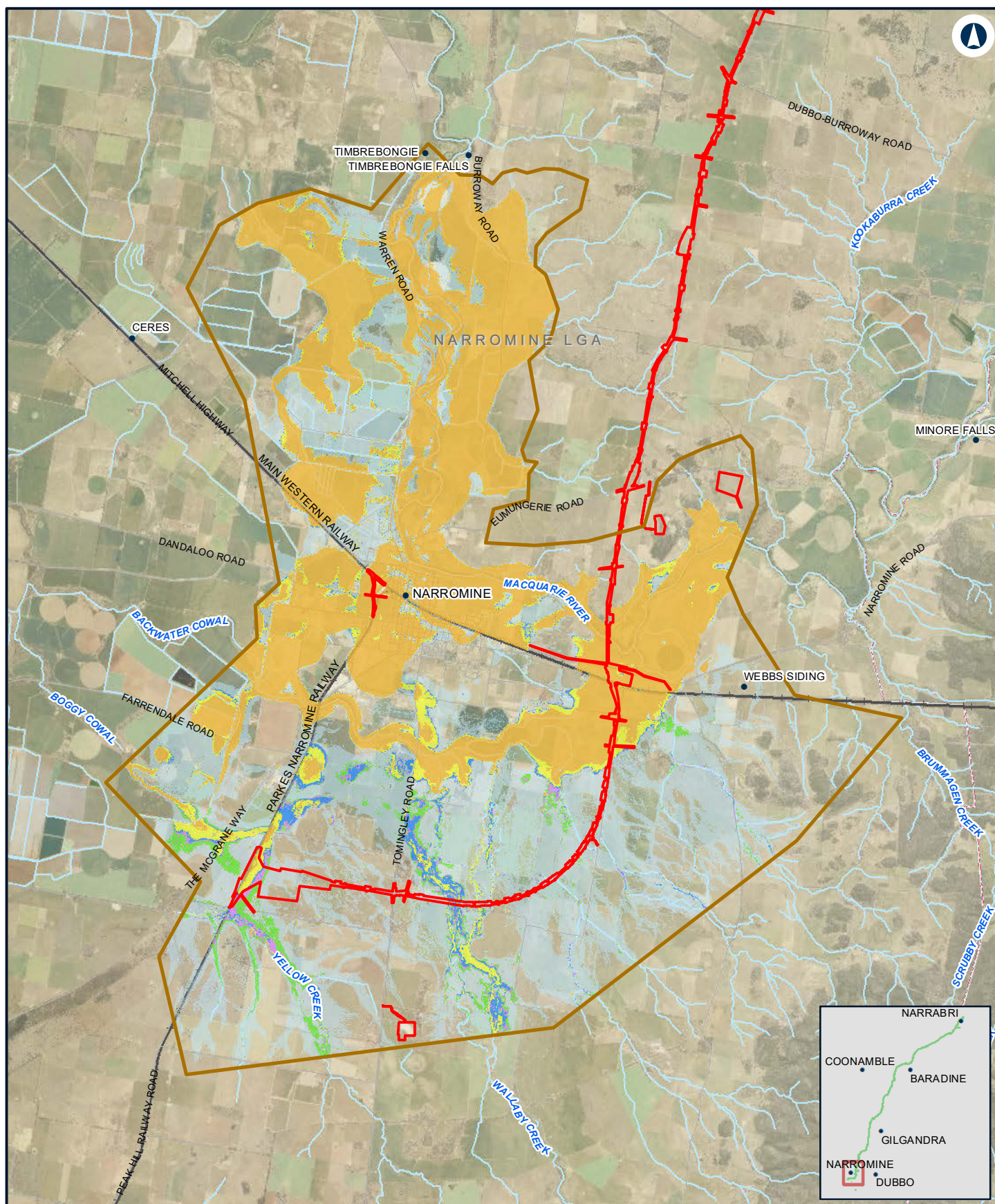
  > 24hrs

  Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP -NFM

Appendix D - Figure 3.6a

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:140,000

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

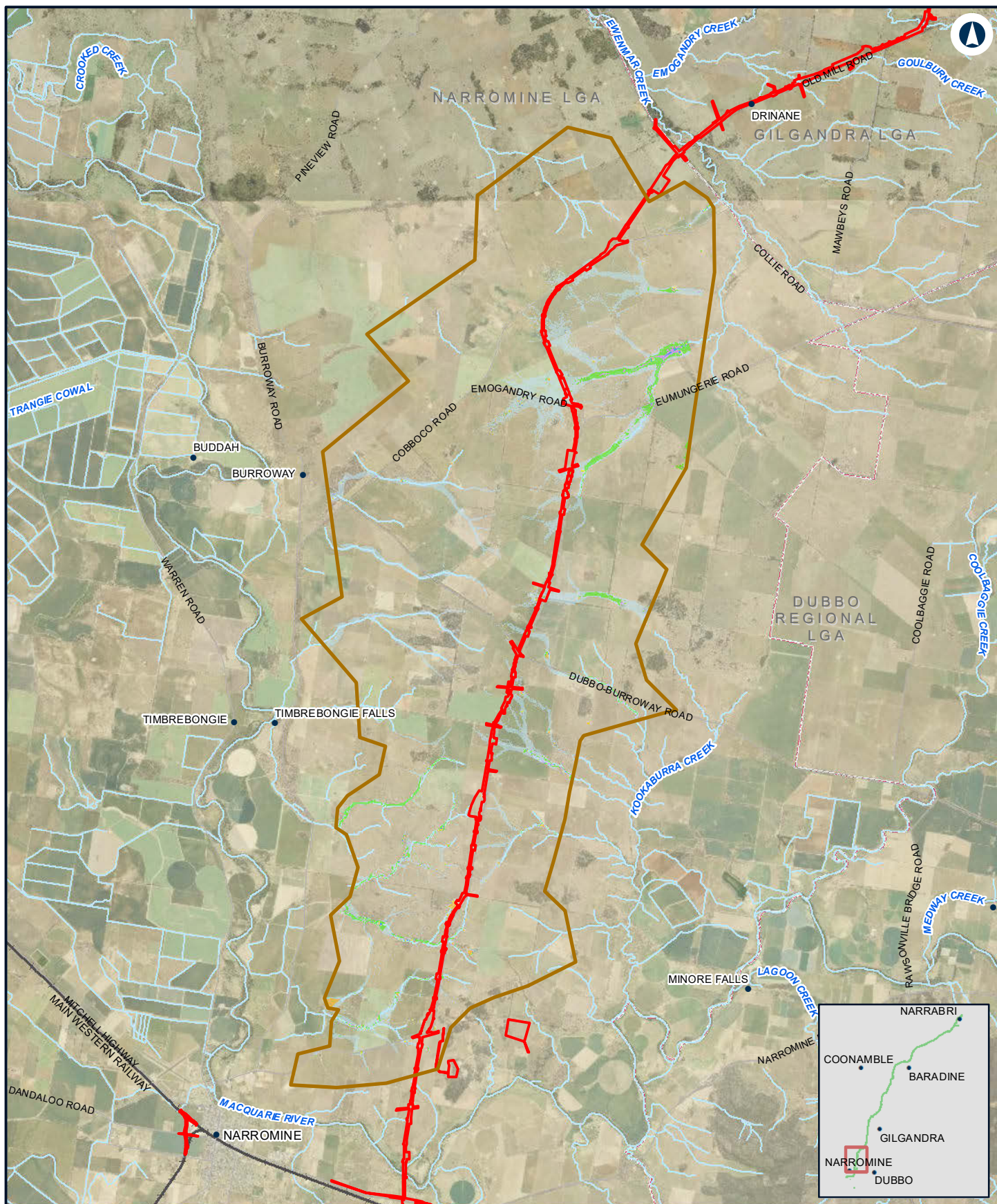
### LEGEND

- The proposal site
- Model boundary
- > 24hrs
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N14

Appendix D - Figure 3.6b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:150,000

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

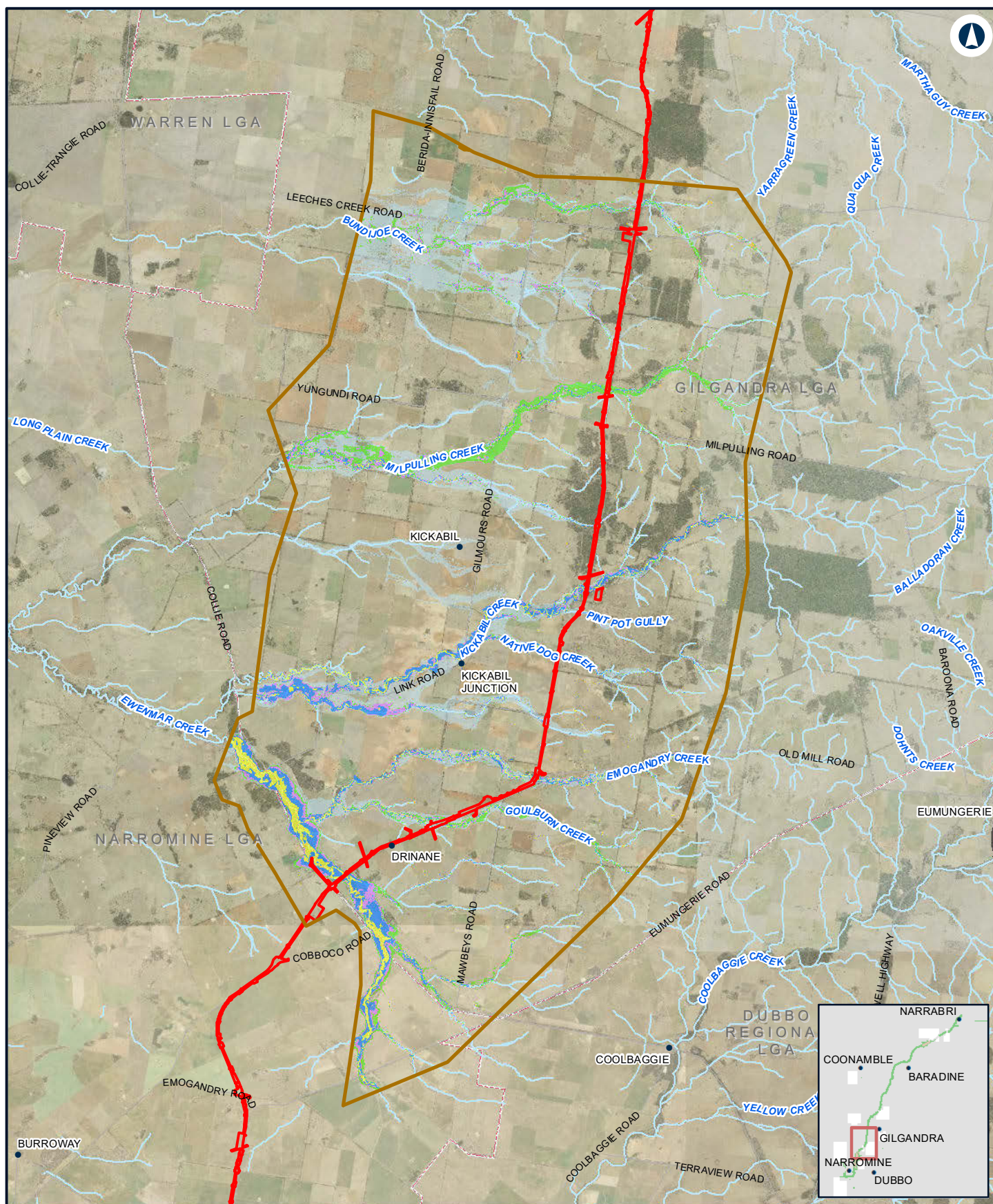
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
  - 0 - 3hrs
  - 3hrs - 6hrs
  - 6hrs - 12hrs
  - 12hrs - 24hrs
  - > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N13

Appendix D - Figure 3.6c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:180,000

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

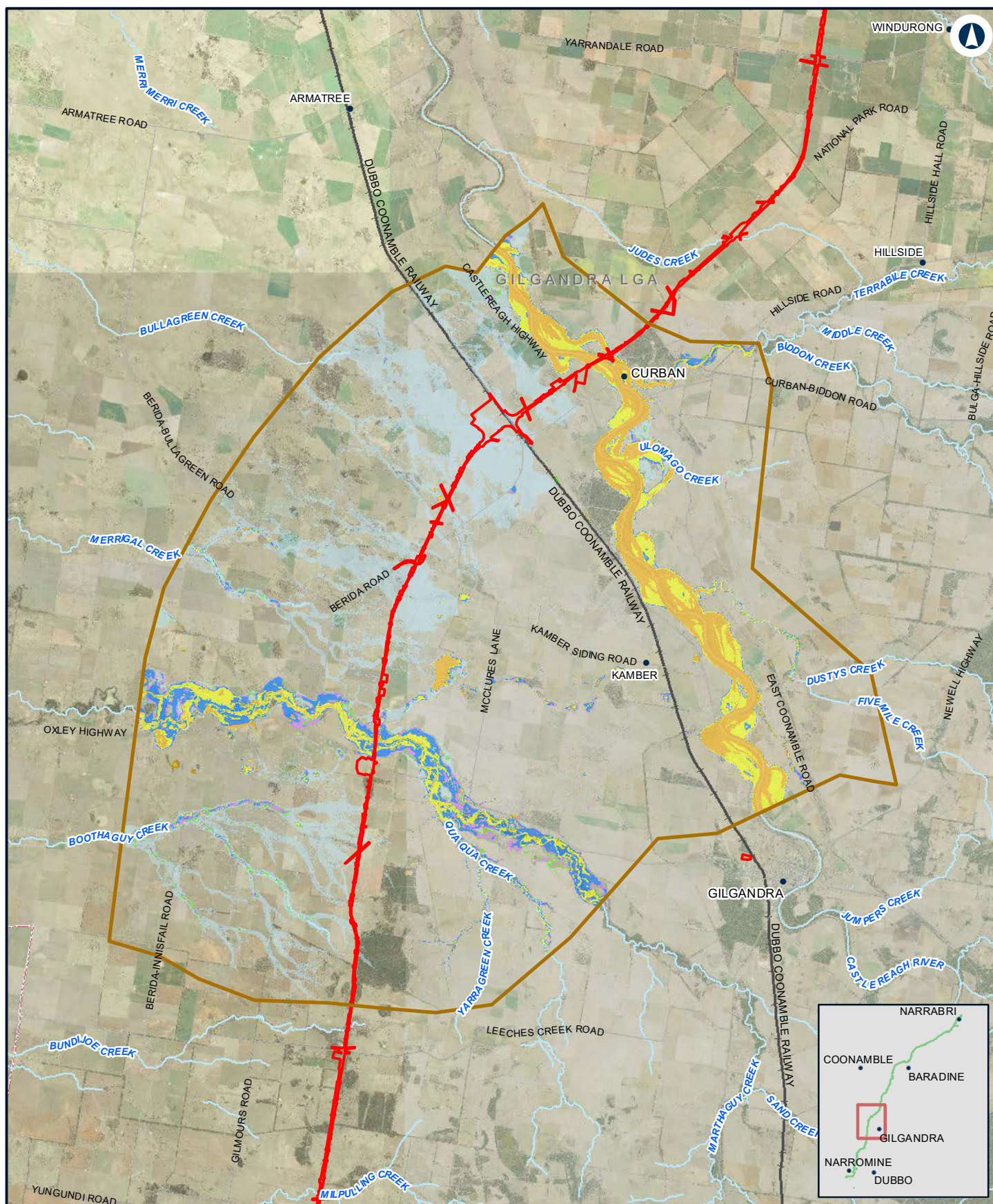
### LEGEND

- The proposal site
- Model boundary
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs
- Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N11N12

Appendix D - Figure 3.6d

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

### LEGEND

- The proposal site
- Model boundary
- > 24hrs
- Flood extent

### Duration (hrs)

- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N10

Appendix D - Figure 3.6e

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:130,000

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

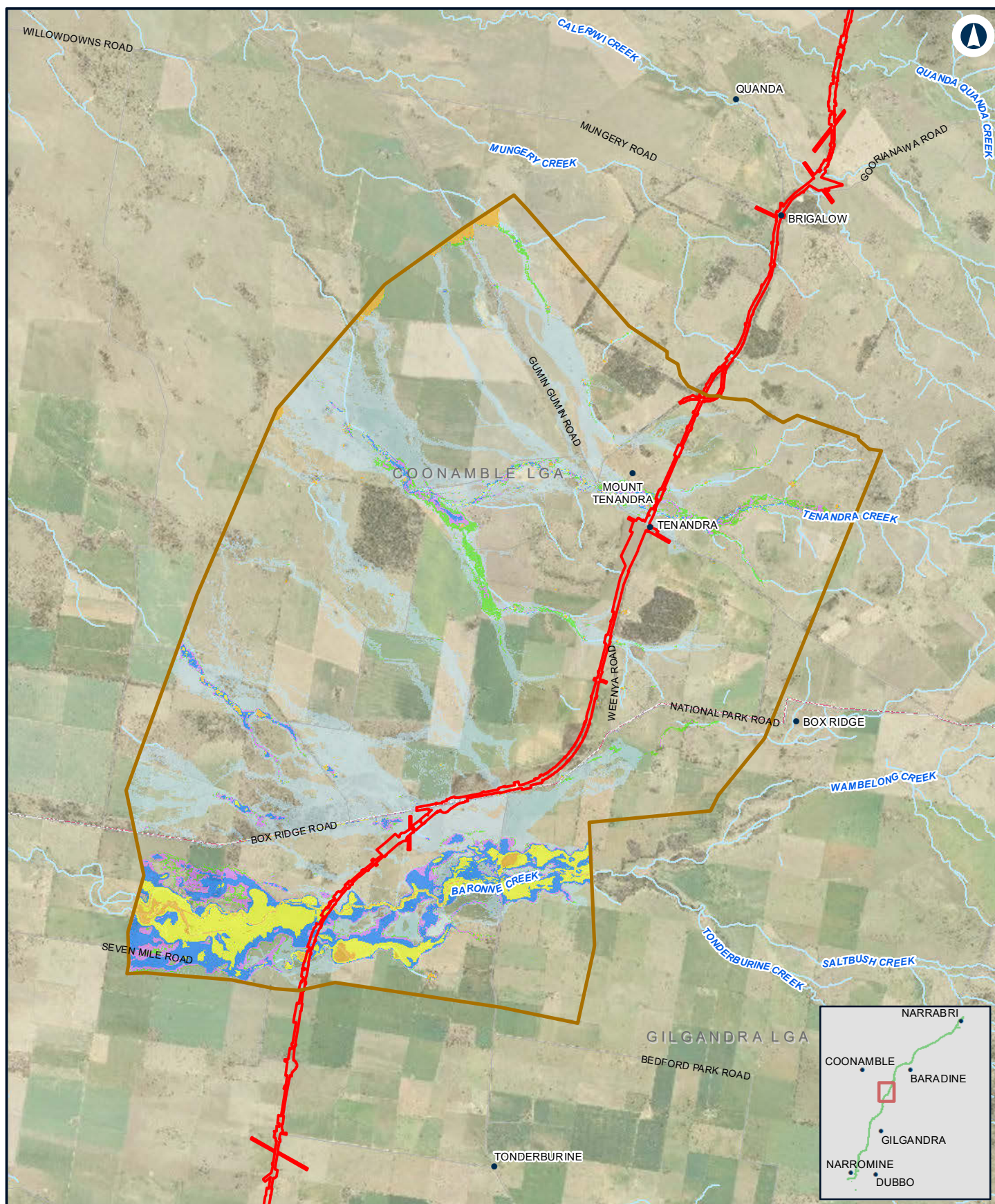
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N9

Appendix D - Figure 3.6f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:110,000

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

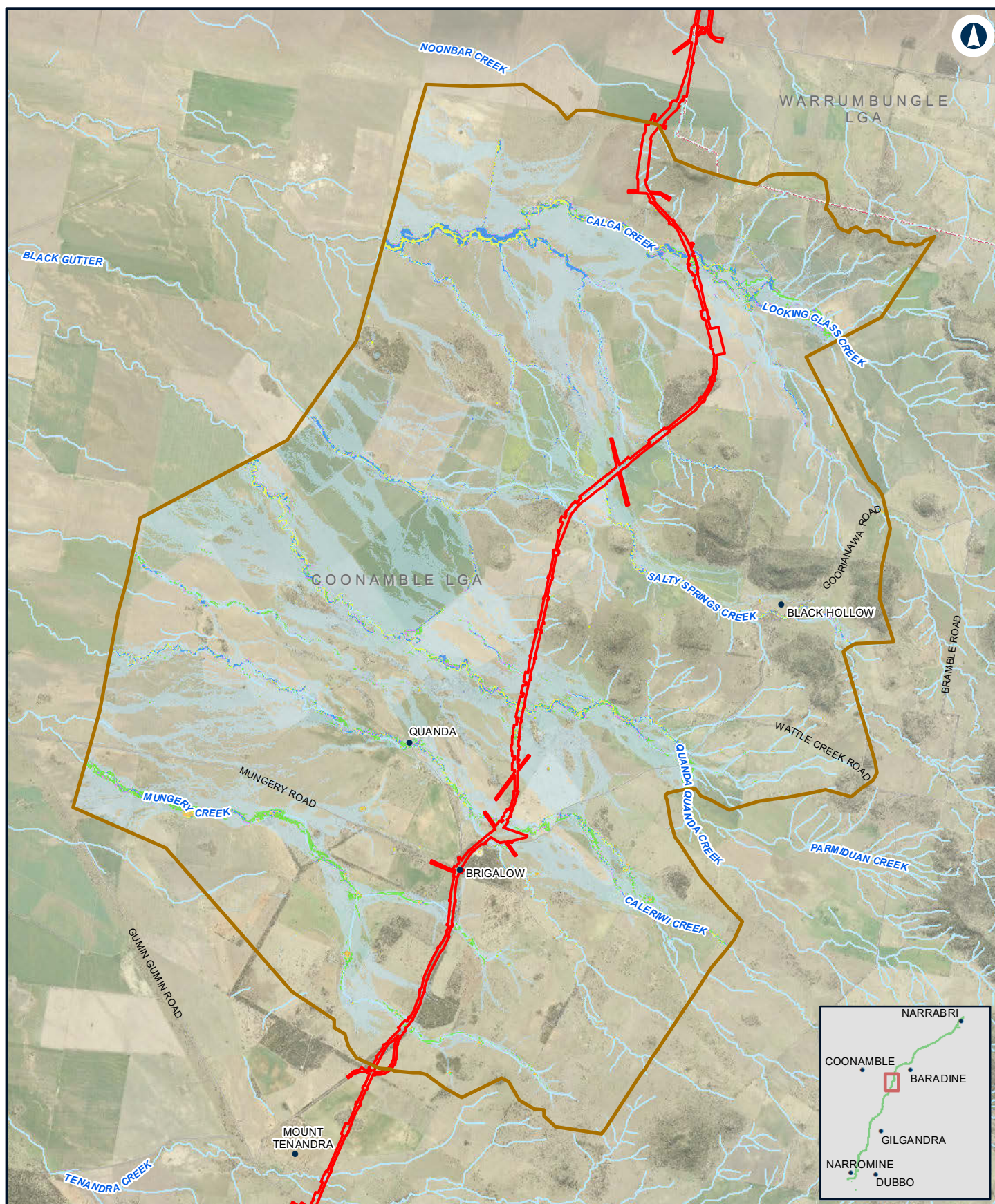
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP -N2N8

Appendix D - Figure 3.6g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:100,000

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

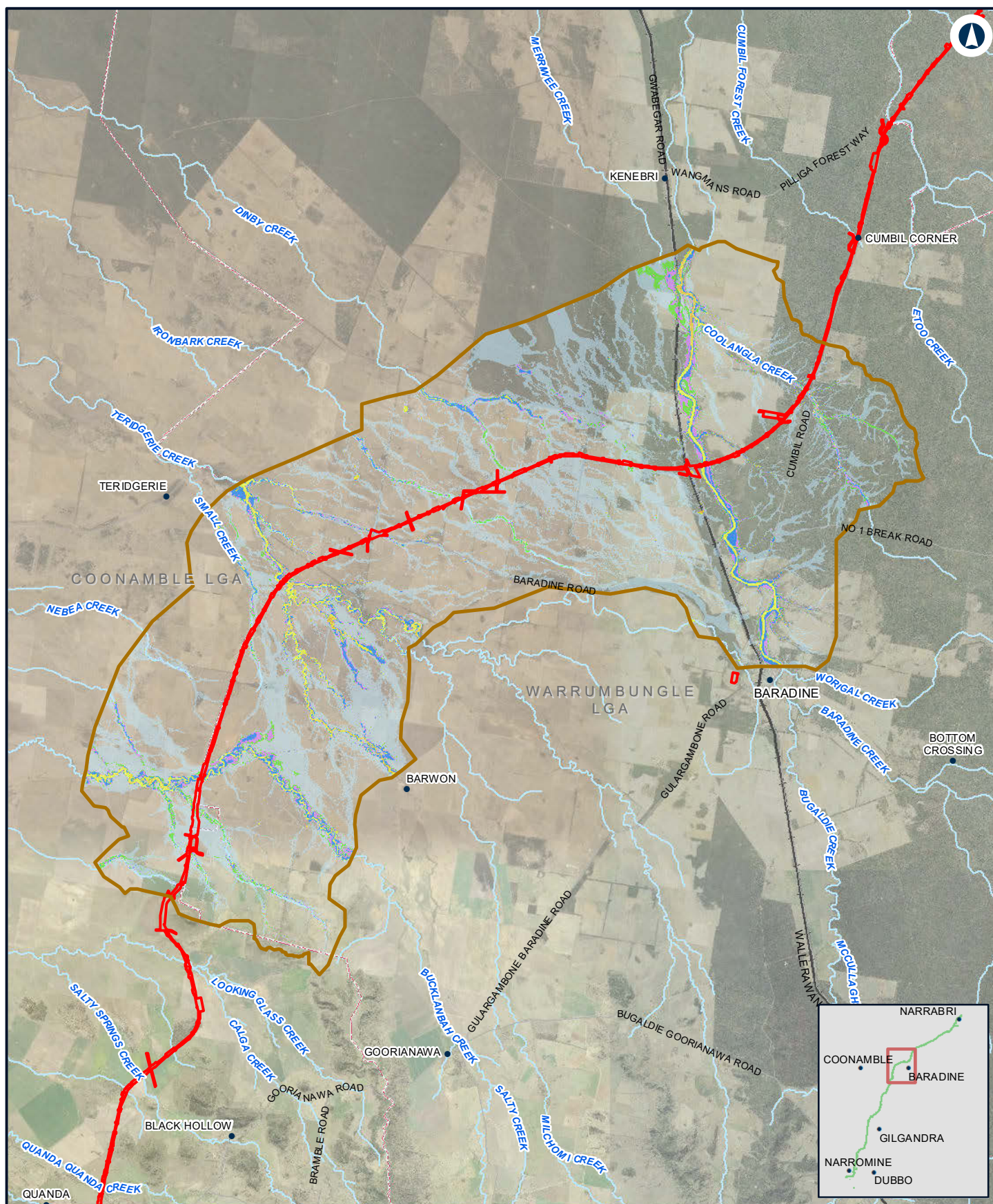
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N7

Appendix D - Figure 3.6h

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

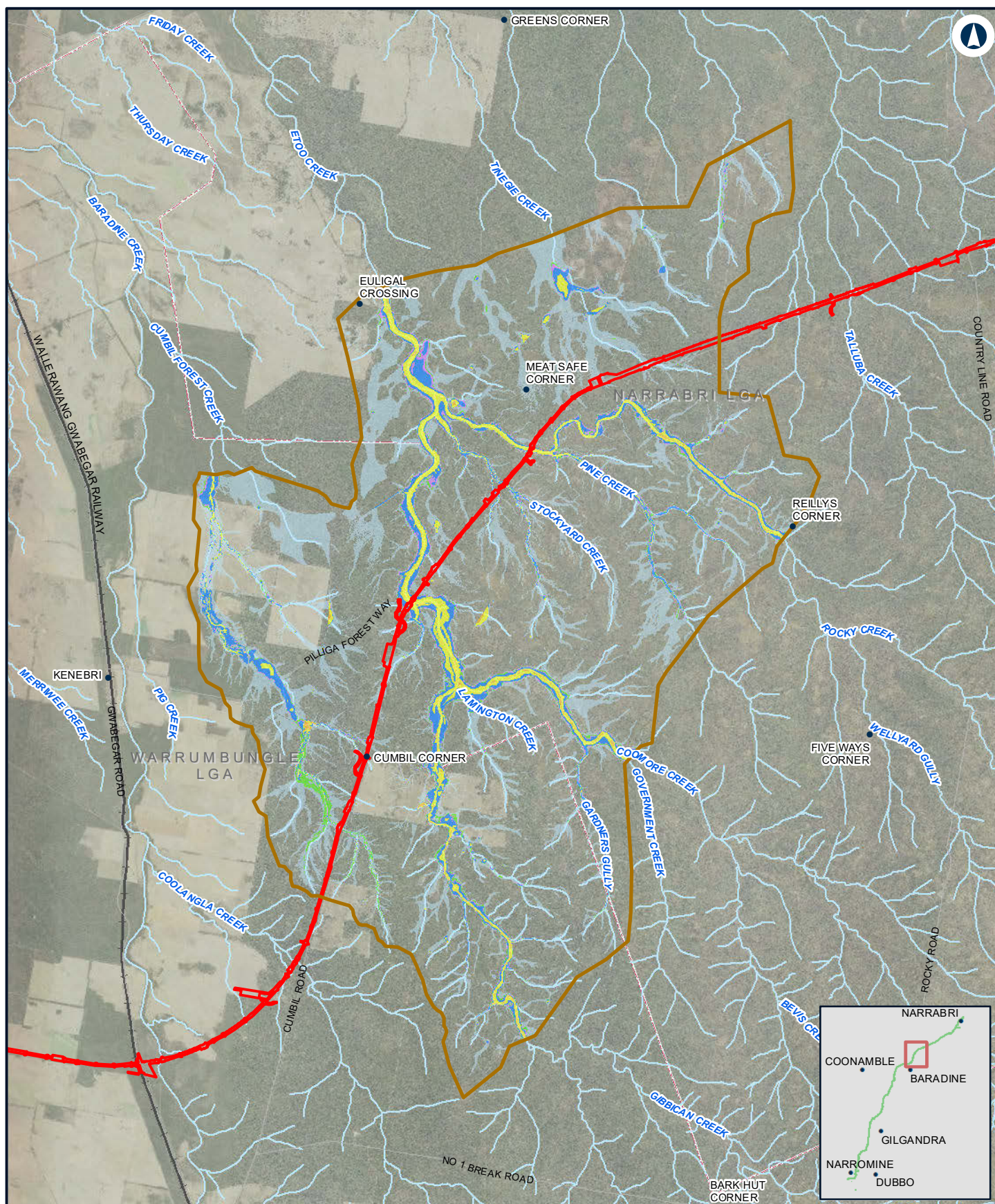
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
  - 0 - 3hrs
  - 3hrs - 6hrs
  - 6hrs - 12hrs
  - 12hrs - 24hrs
  - > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N6

Appendix D - Figure 3.6i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:150,000

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

### LEGEND

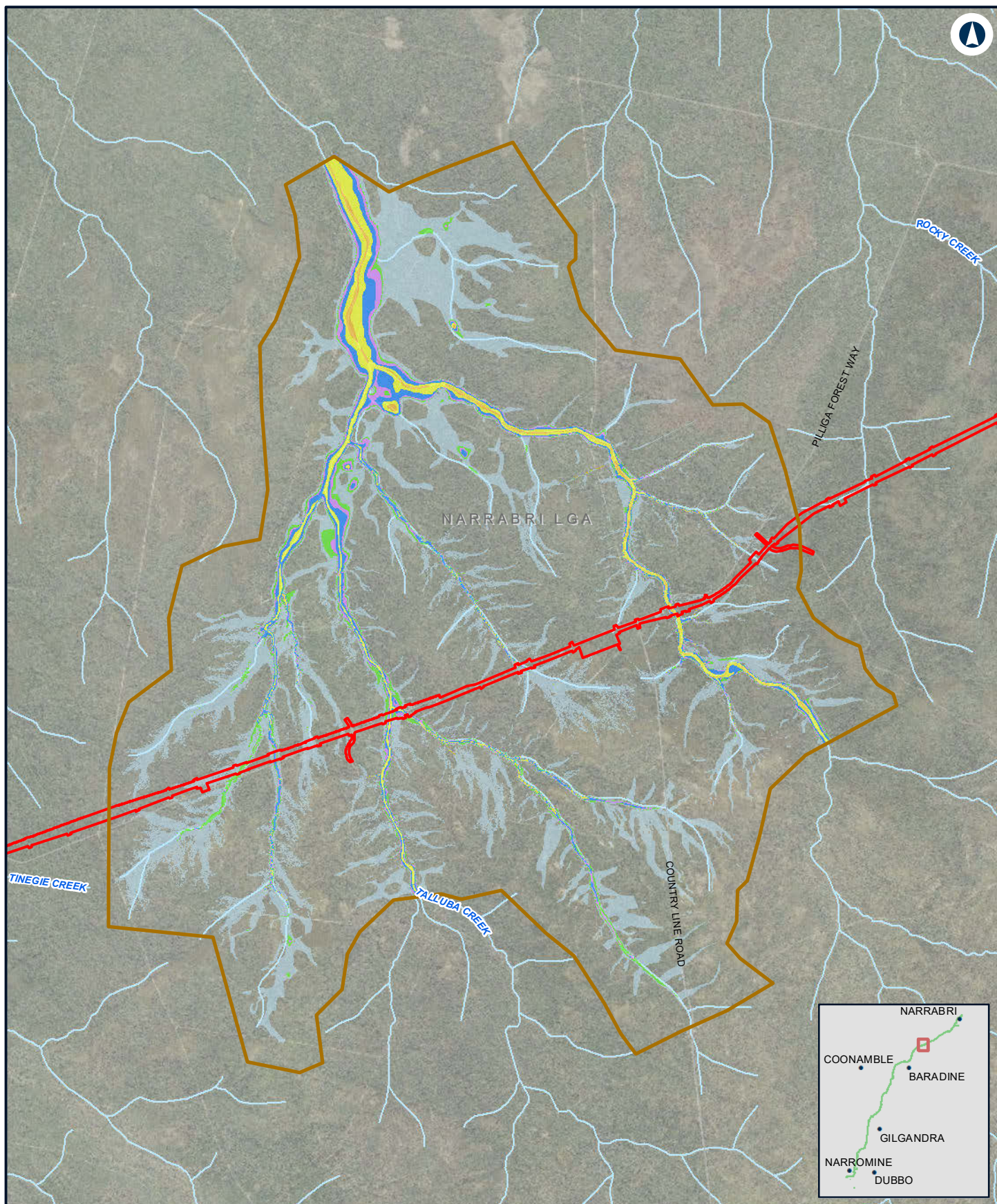
- The proposal site
- Model boundary
- Duration (hrs)**
  - 0 - 3hrs
  - 3hrs - 6hrs
  - 6hrs - 12hrs
  - 12hrs - 24hrs
  - > 24hrs
- Flood extent

**INLAND  
RAIL**

**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N5

Appendix D - Figure 3.6j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:70,000

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

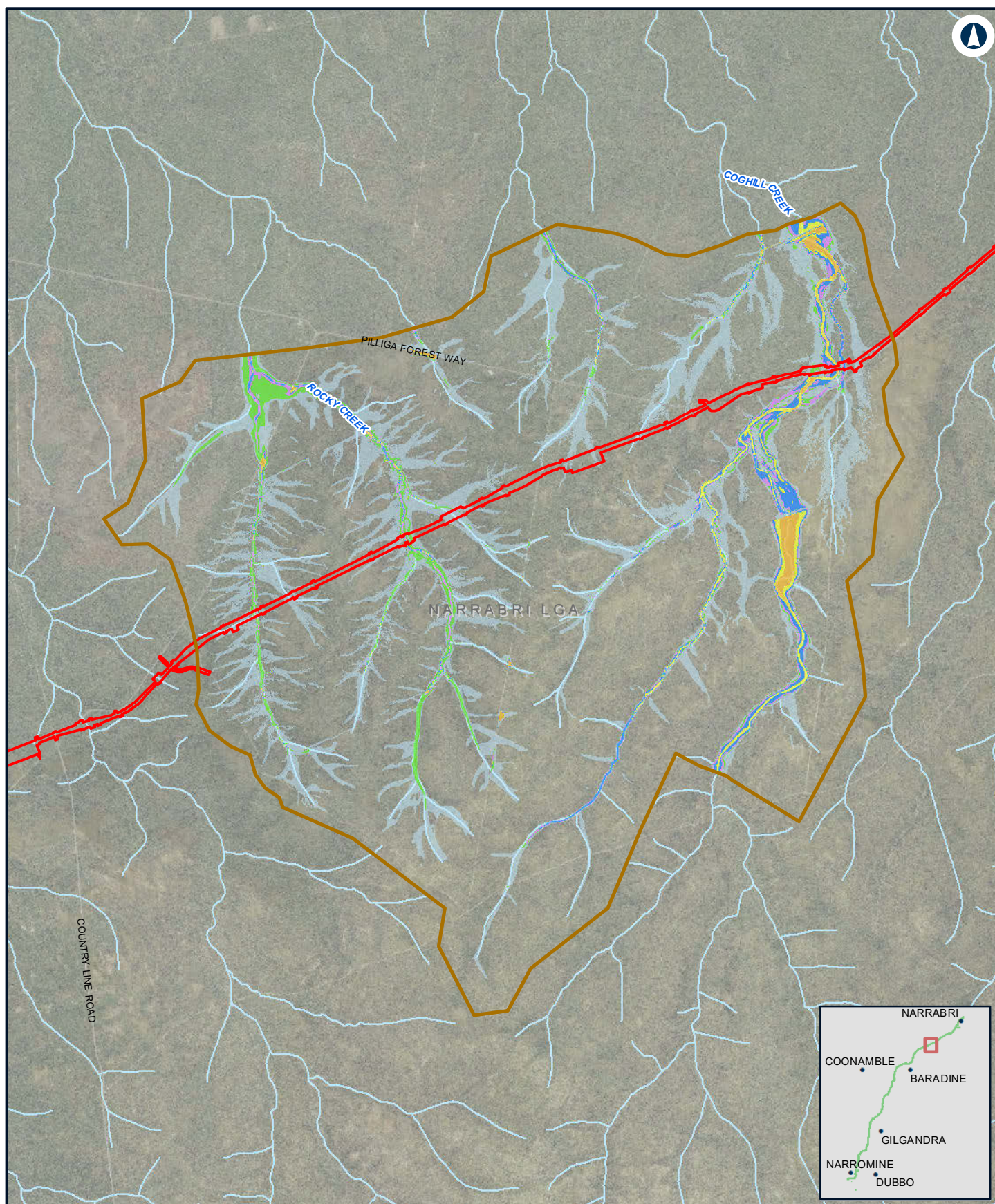
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N4

Appendix D - Figure 3.6k

0 1 2  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:80,000

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

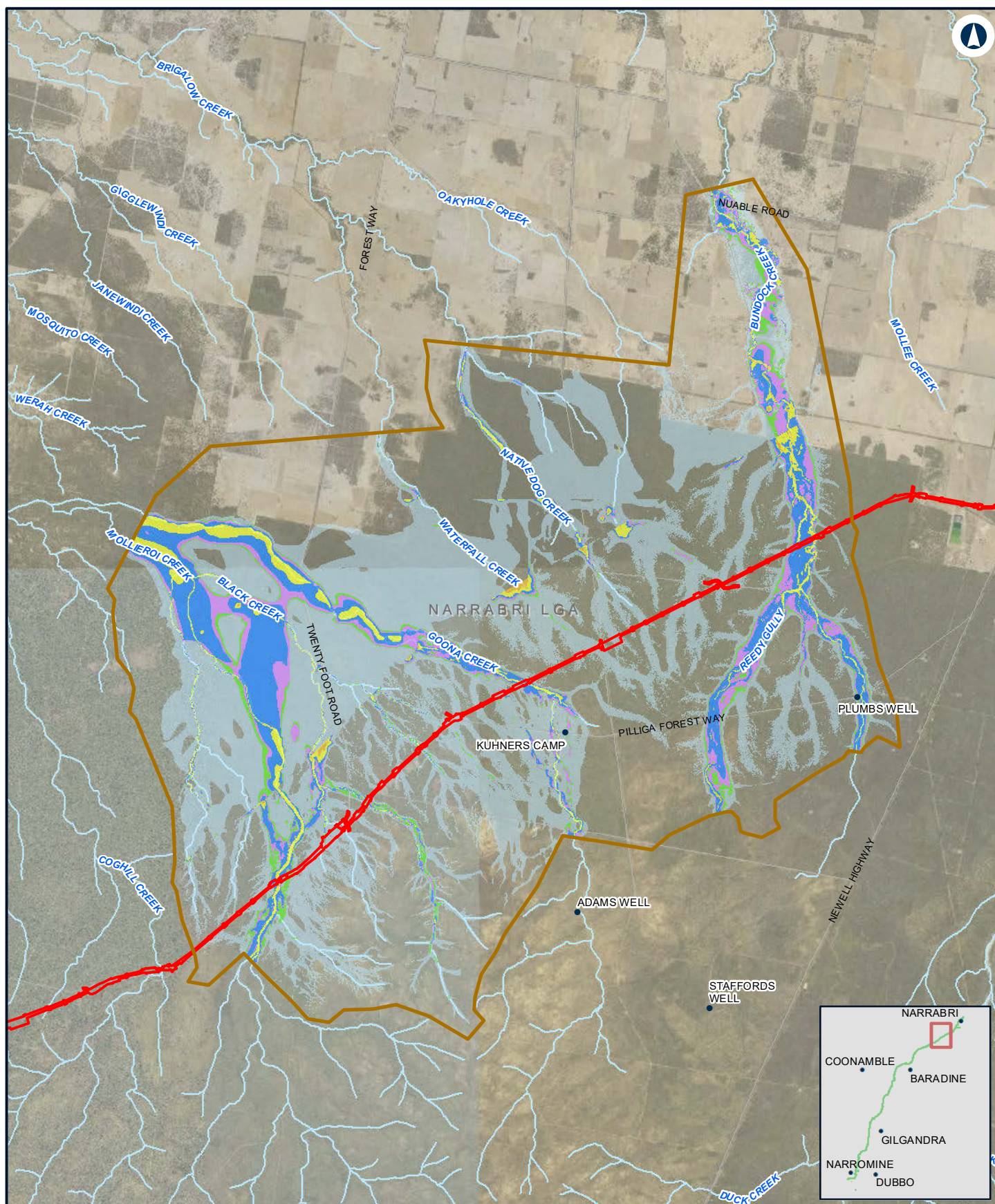
### LEGEND

- The proposal site
- Model boundary
- > 24hrs
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs

**INLAND RAIL** **ARTC**

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





## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N23

Appendix D - Figure 3.6I

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:140,000

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

### LEGEND

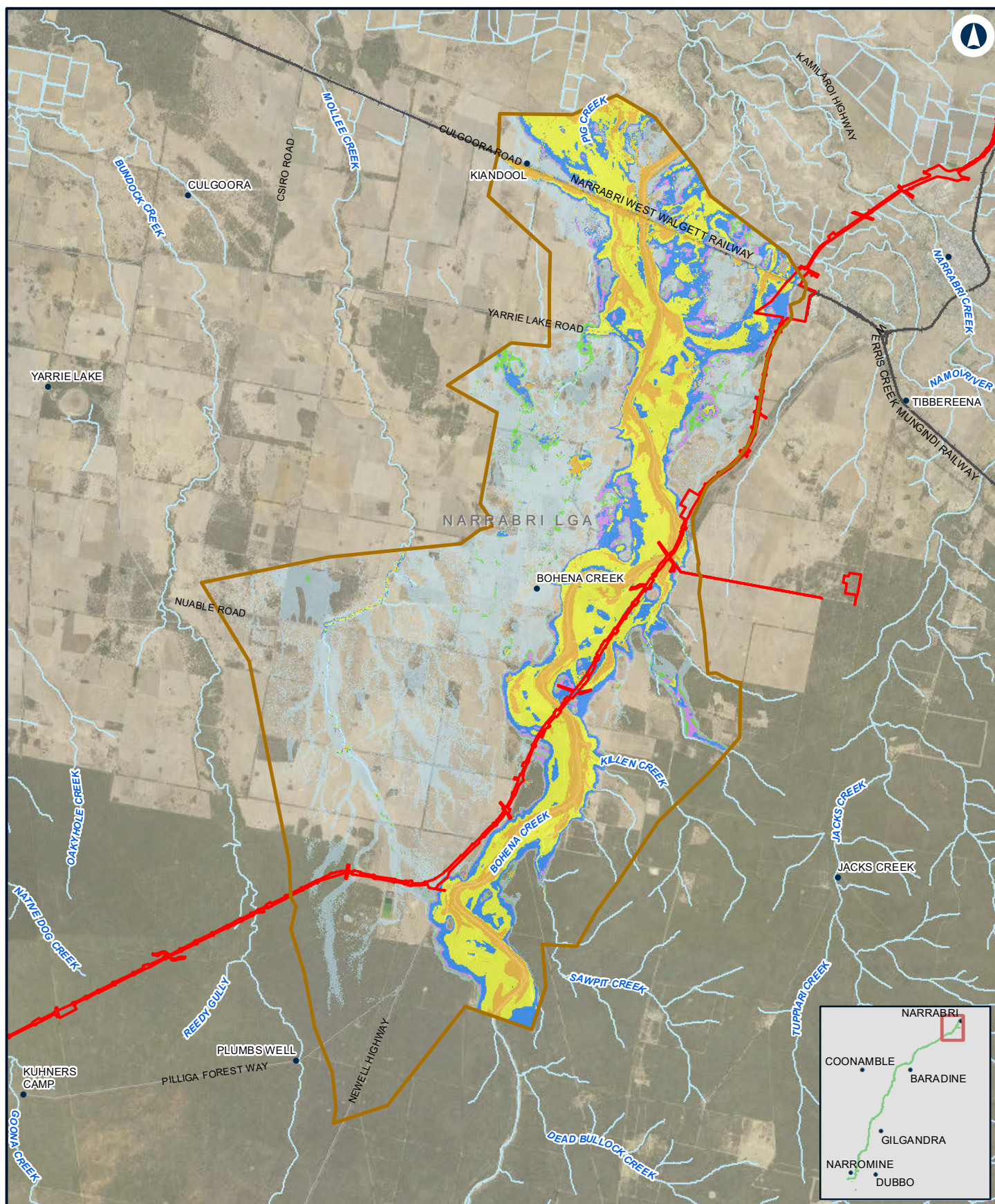
- The proposal site
- Model boundary
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs
- Flood extent

**INLAND  
RAIL**

**ARTC**

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





## NARROMINE TO NARRABRI

Existing duration - 0.5% AEP - N2N1

Appendix D - Figure 3.6m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:150,000

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

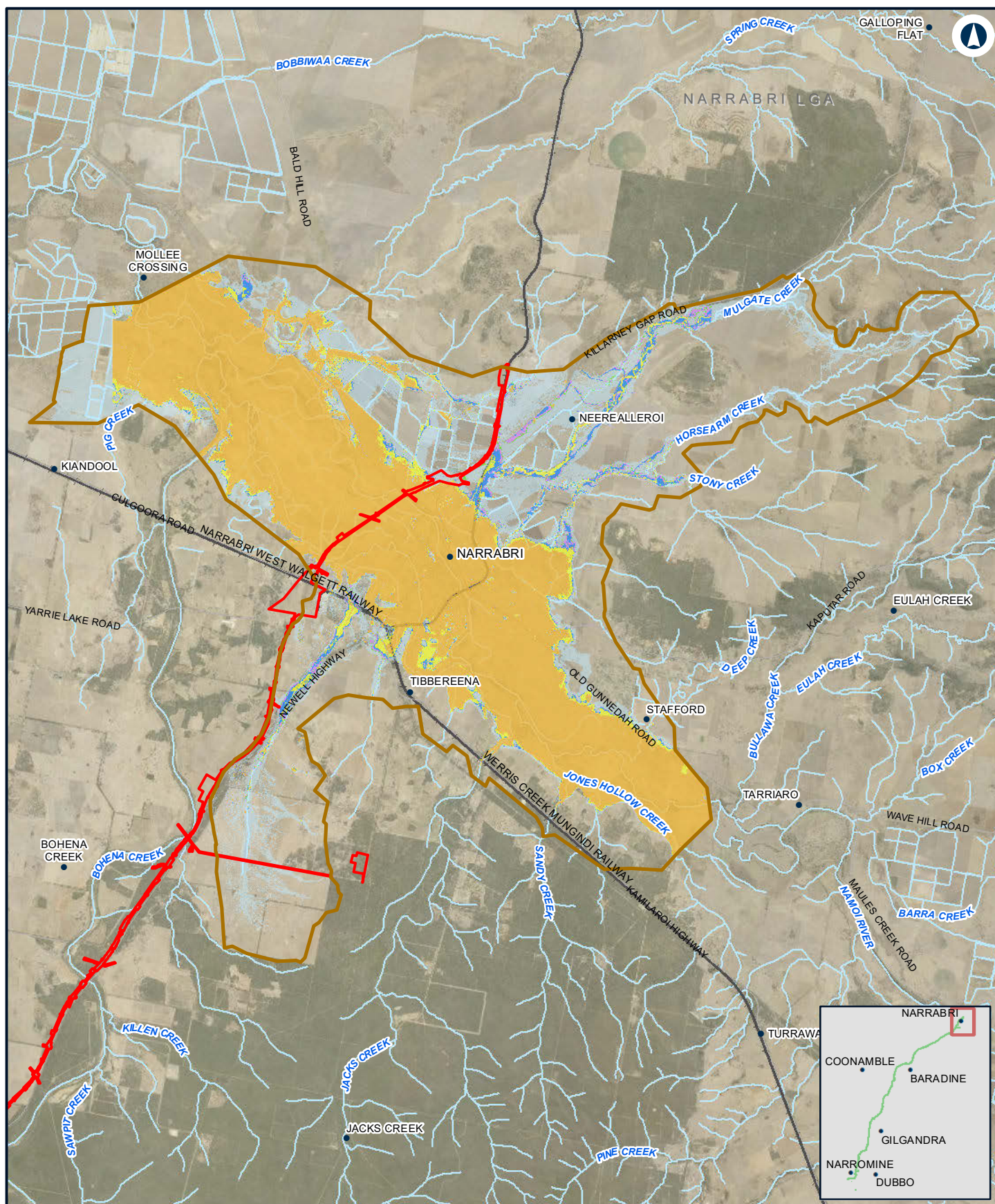
### LEGEND

- The proposal site
- Model boundary
- > 24hrs
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs

**INLAND RAIL** **ARTC**

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:160,000

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

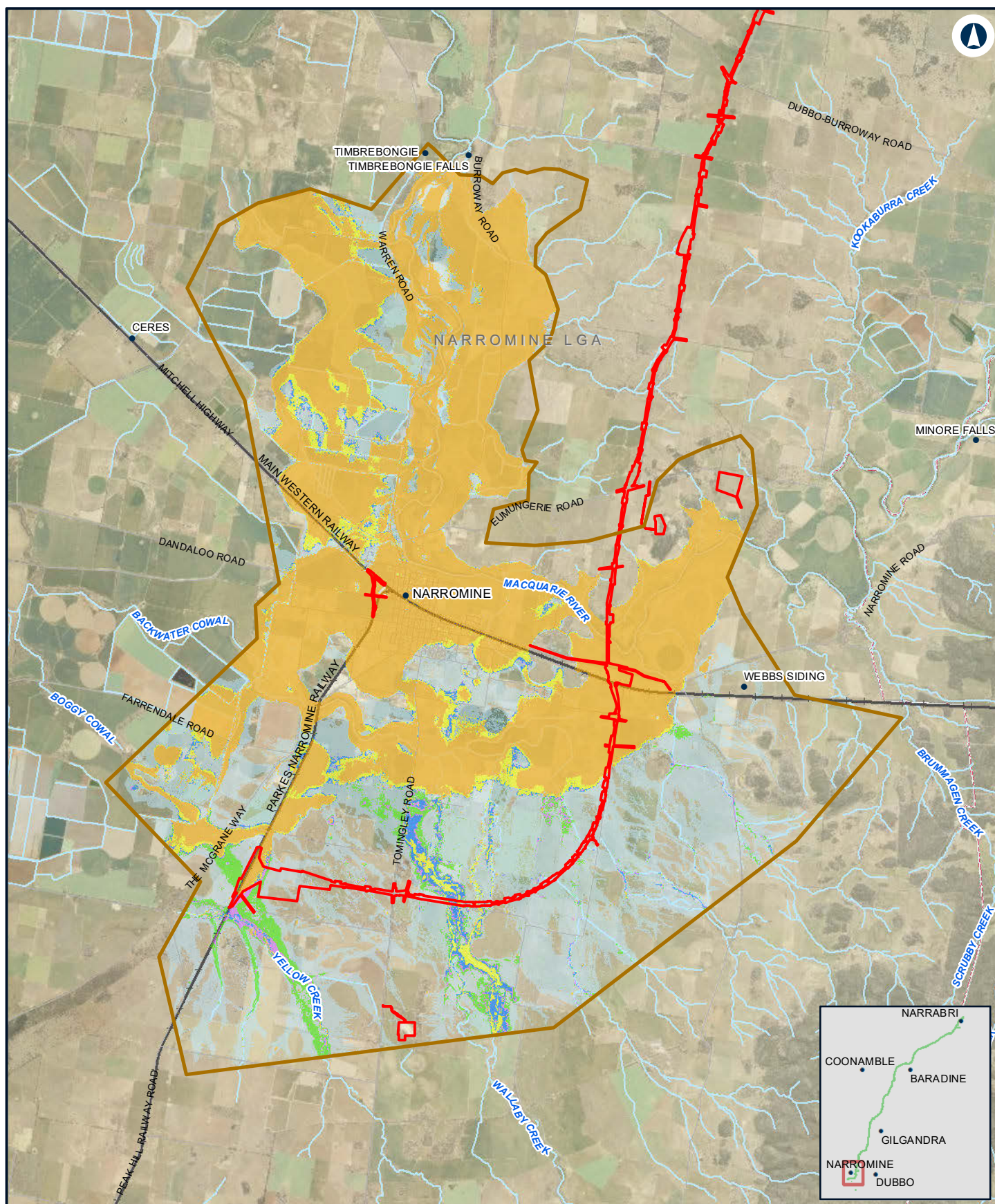
#### LEGEND

- The proposal site
- Model boundary
- > 24hrs
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs

**INLAND RAIL** **ARTC**

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0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:140,000

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

#### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

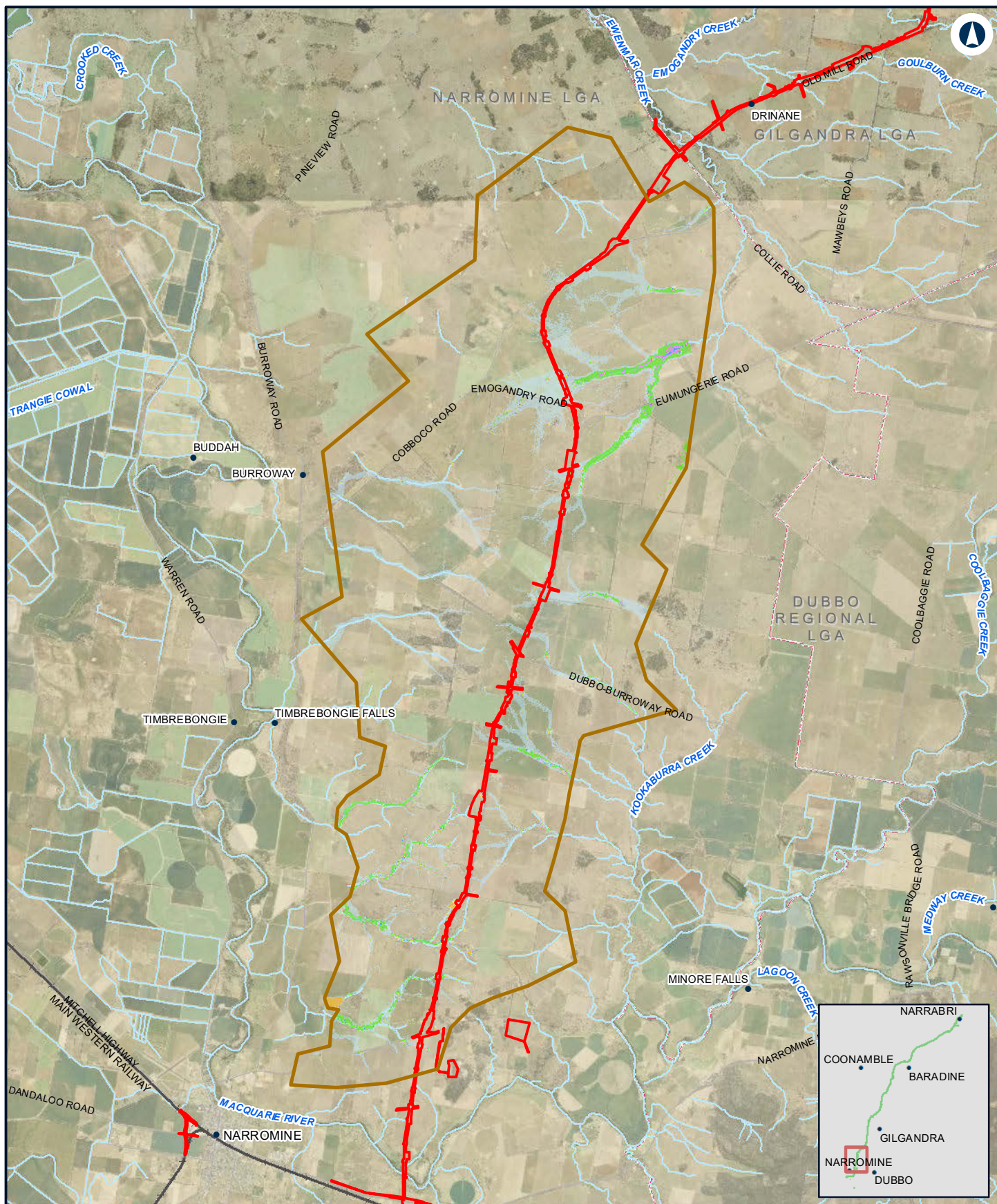
Flood extent

**INLAND  
RAIL**

**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N14

Appendix D - Figure 3.7b

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

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

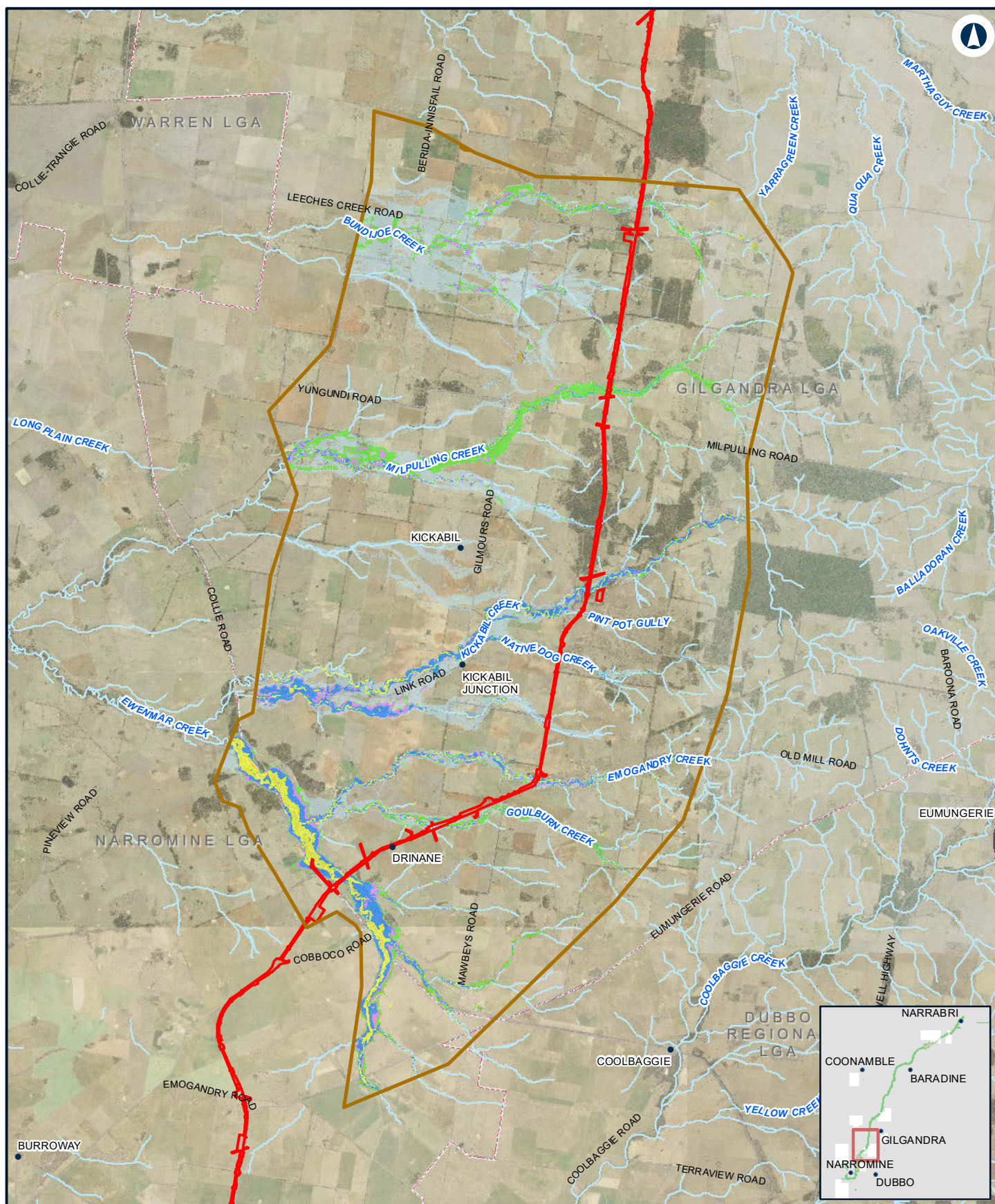
Flood extent

**INLAND  
RAIL**

**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N13

Appendix D - Figure 3.7c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:180,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

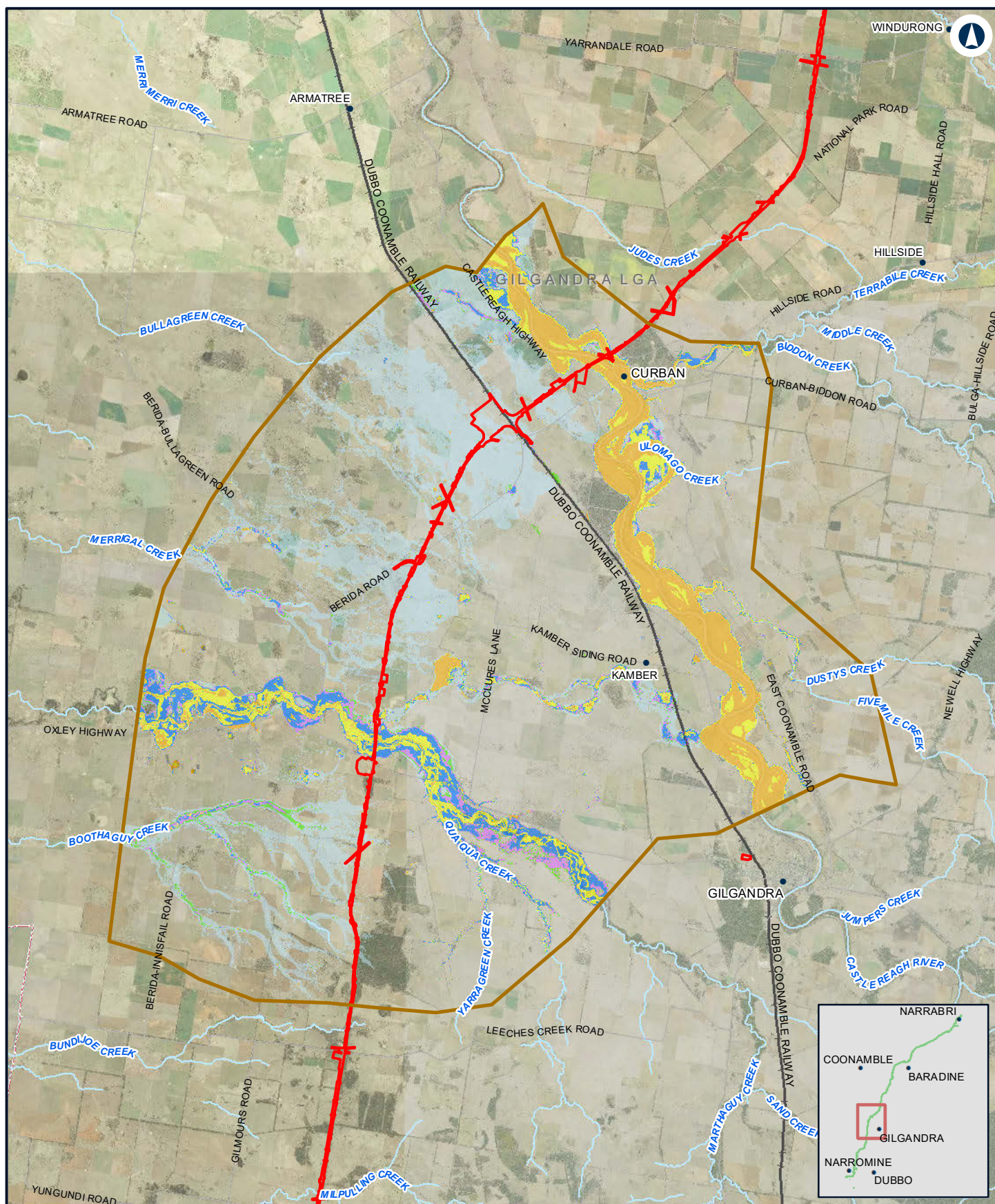
> 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N11N12

Appendix D - Figure 3.7d

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

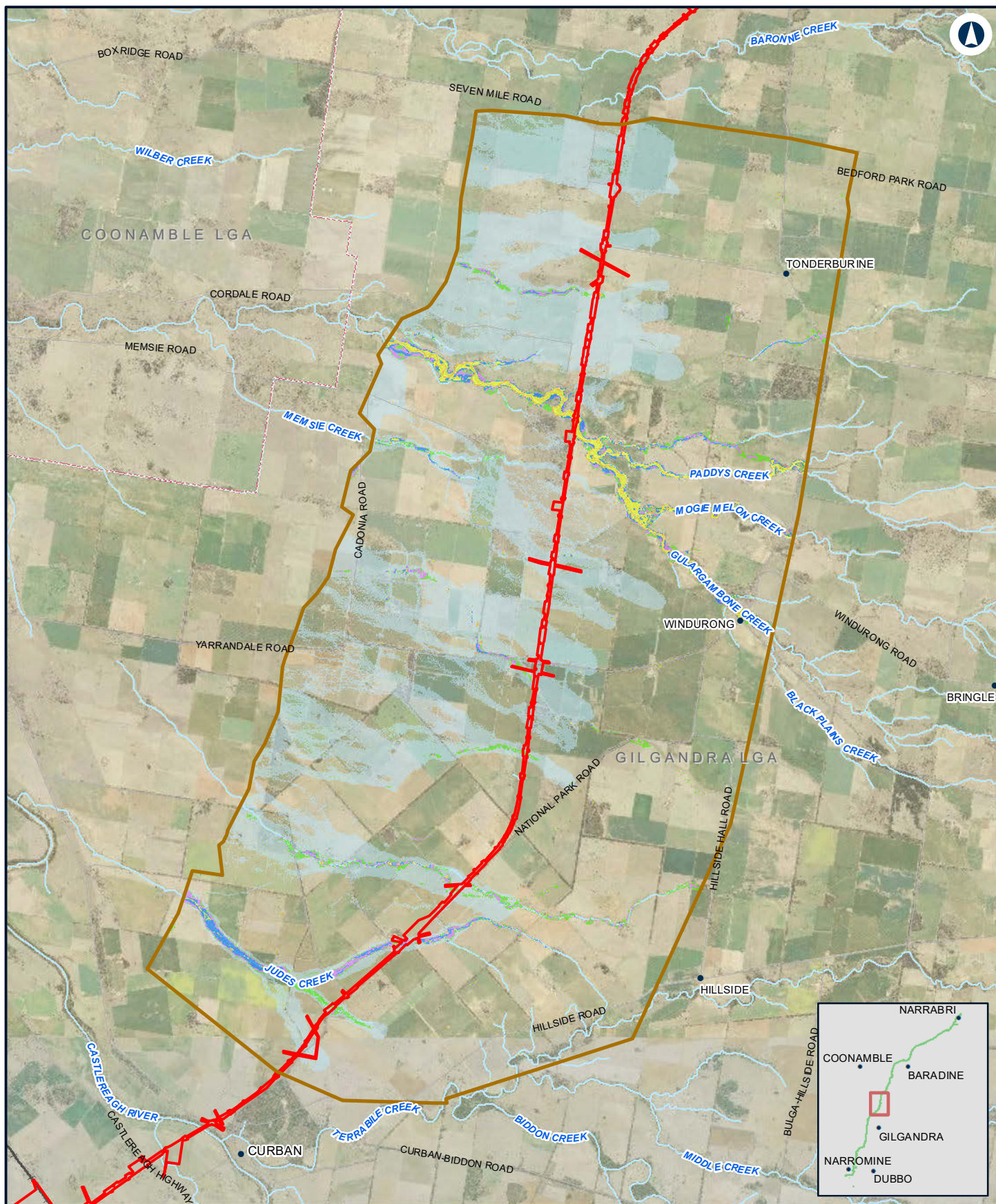
  12hrs - 24hrs

  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N10

Appendix D - Figure 3.7e

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:130,000

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

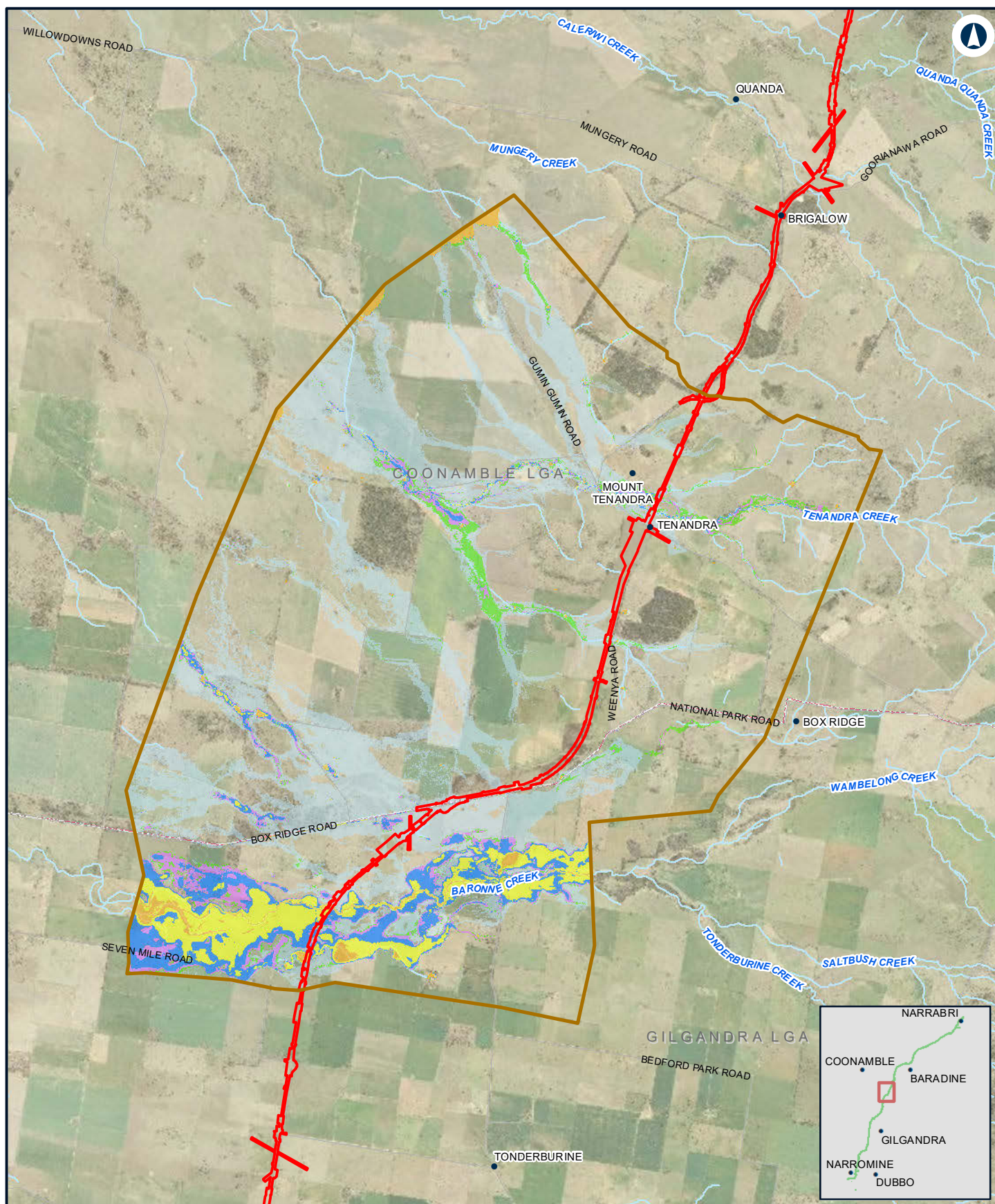
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N9

Appendix D - Figure 3.7f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:110,000

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

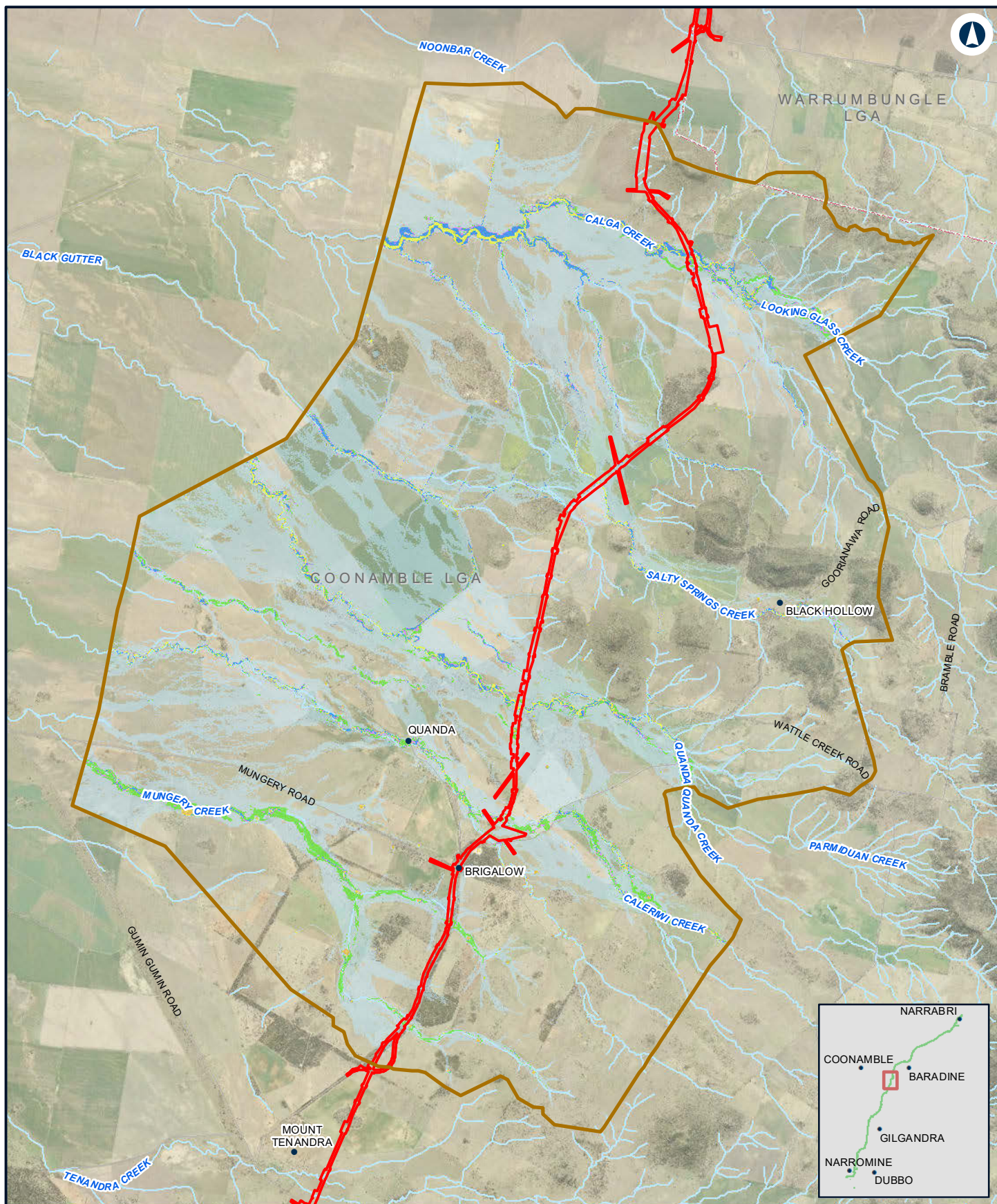
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N8

Appendix D - Figure 3.7g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:100,000

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

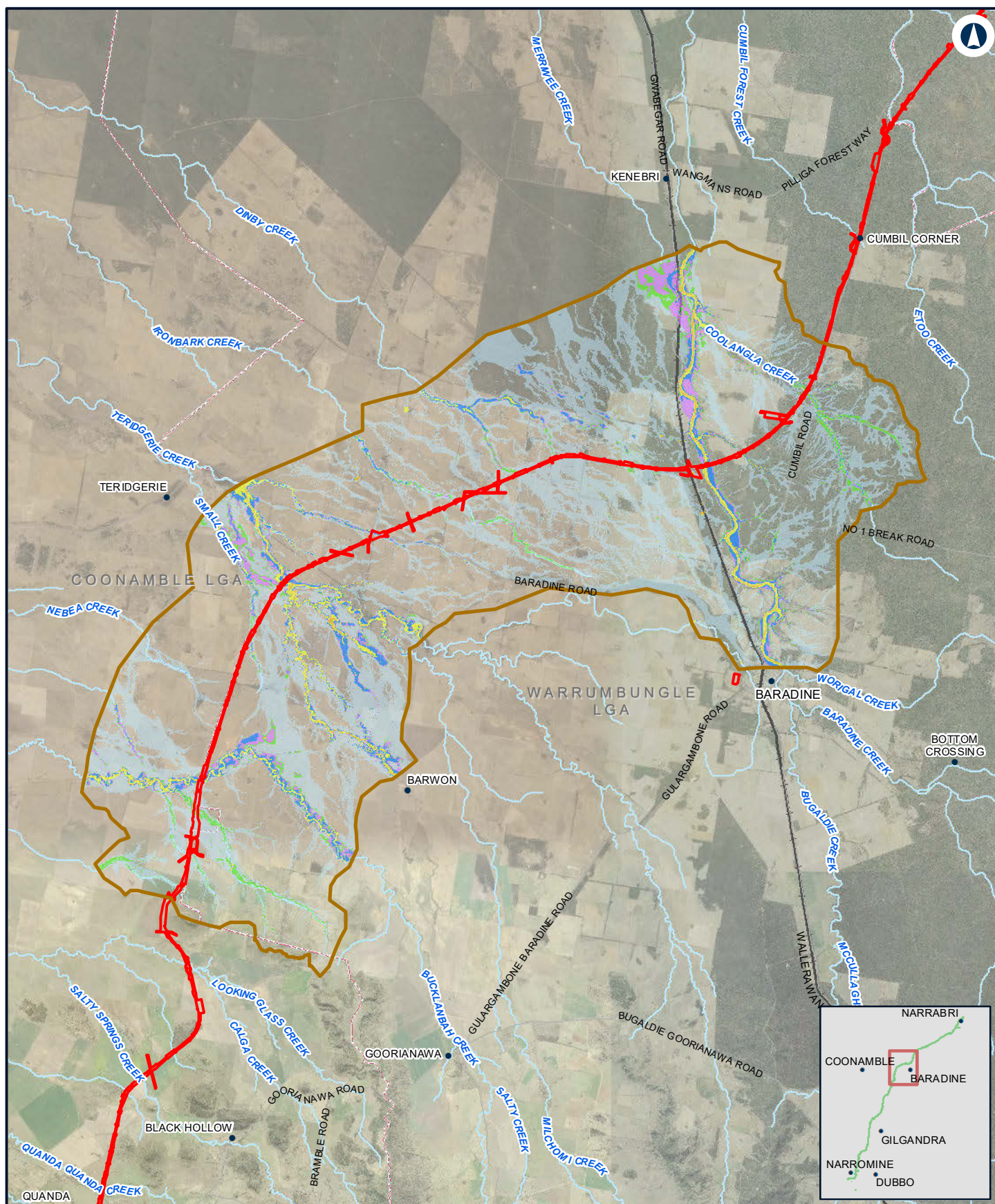
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N7

Appendix D - Figure 3.7h

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:200,000

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

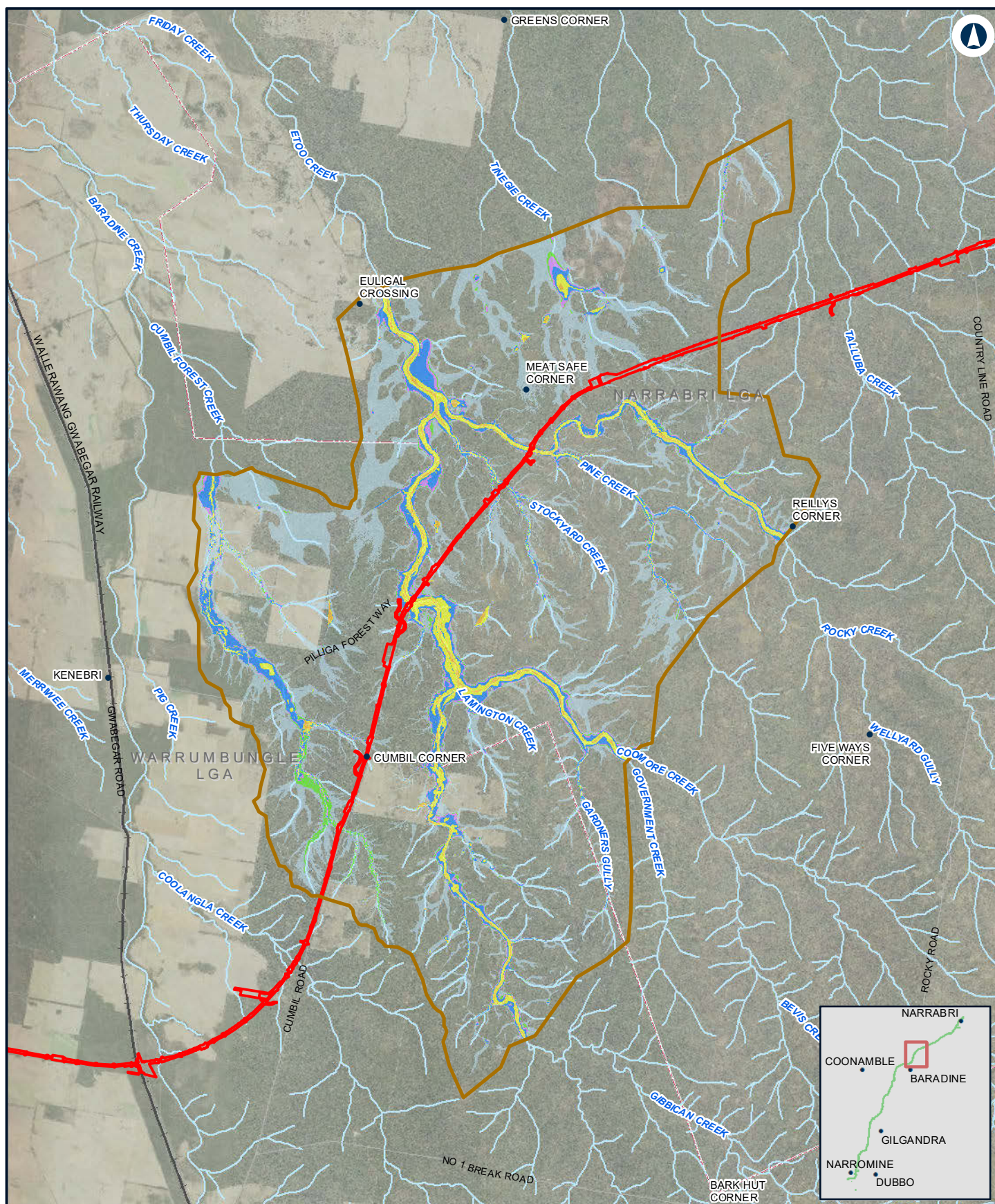
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N6

Appendix D - Figure 3.7i

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

### Duration (hrs)

- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

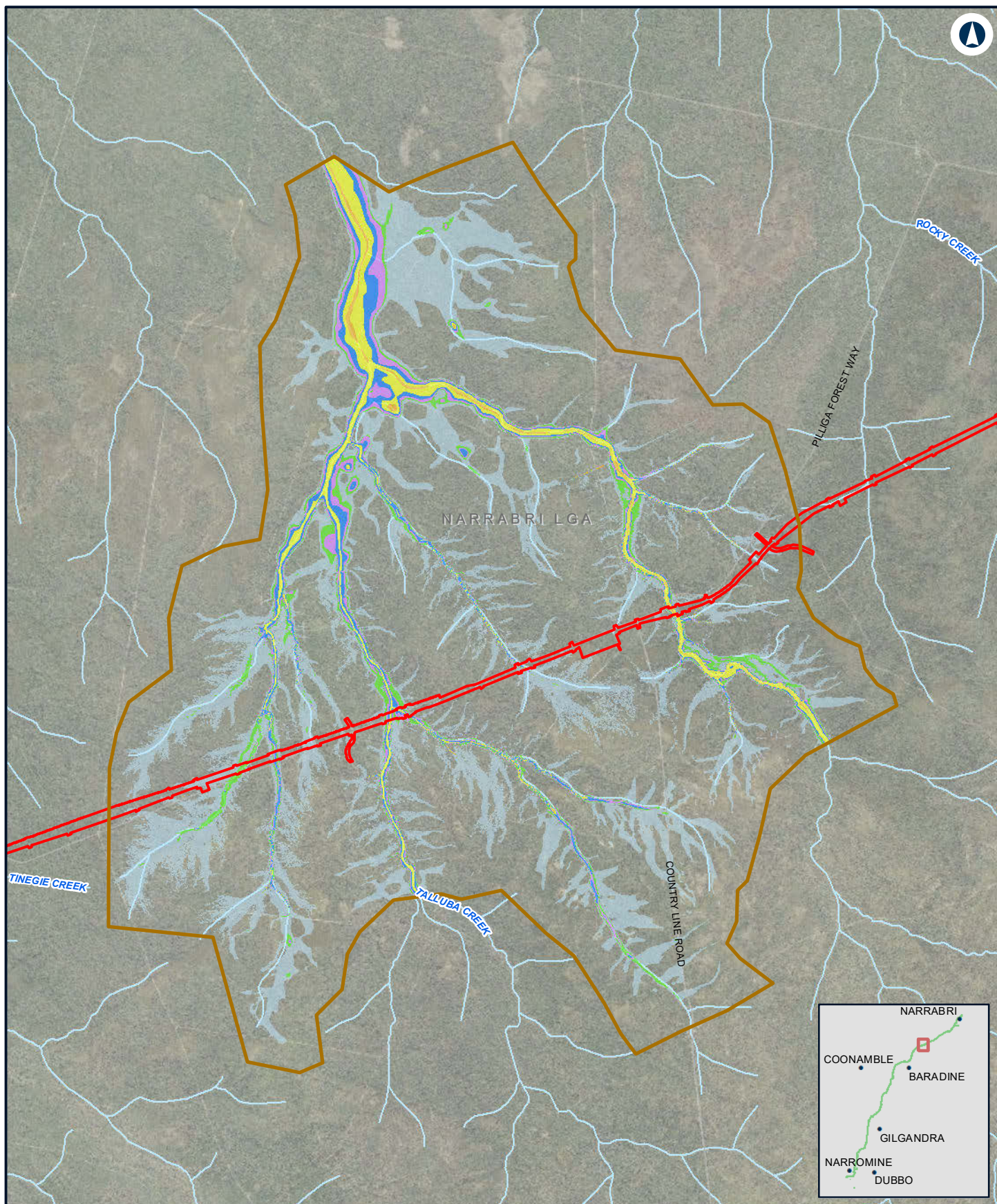
Flood extent

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N5

Appendix D - Figure 3.7j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:70,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

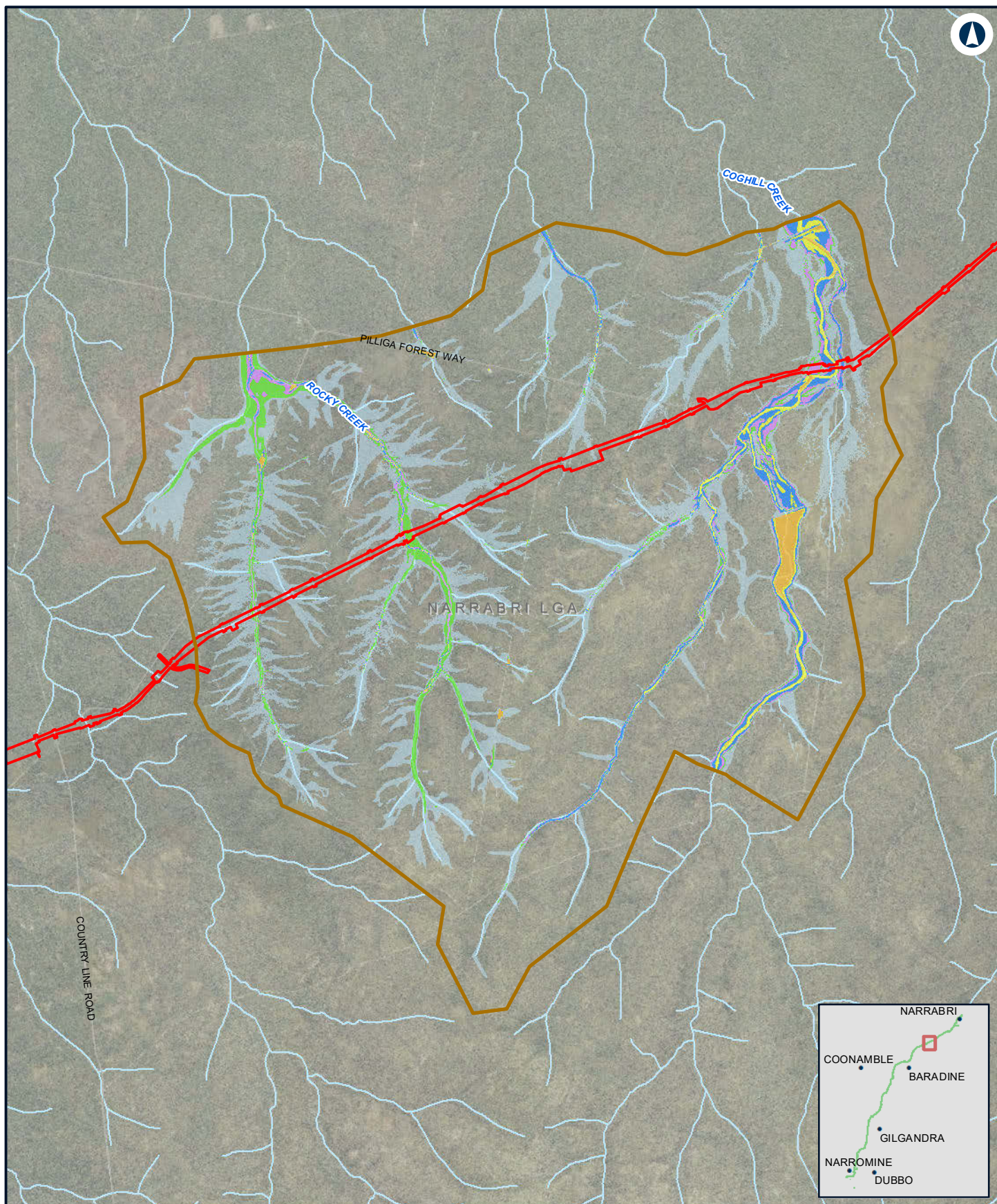
  12hrs - 24hrs

  > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N4

Appendix D - Figure 3.7k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:80,000

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

### LEGEND

The proposal site Flood extent

Model boundary

### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

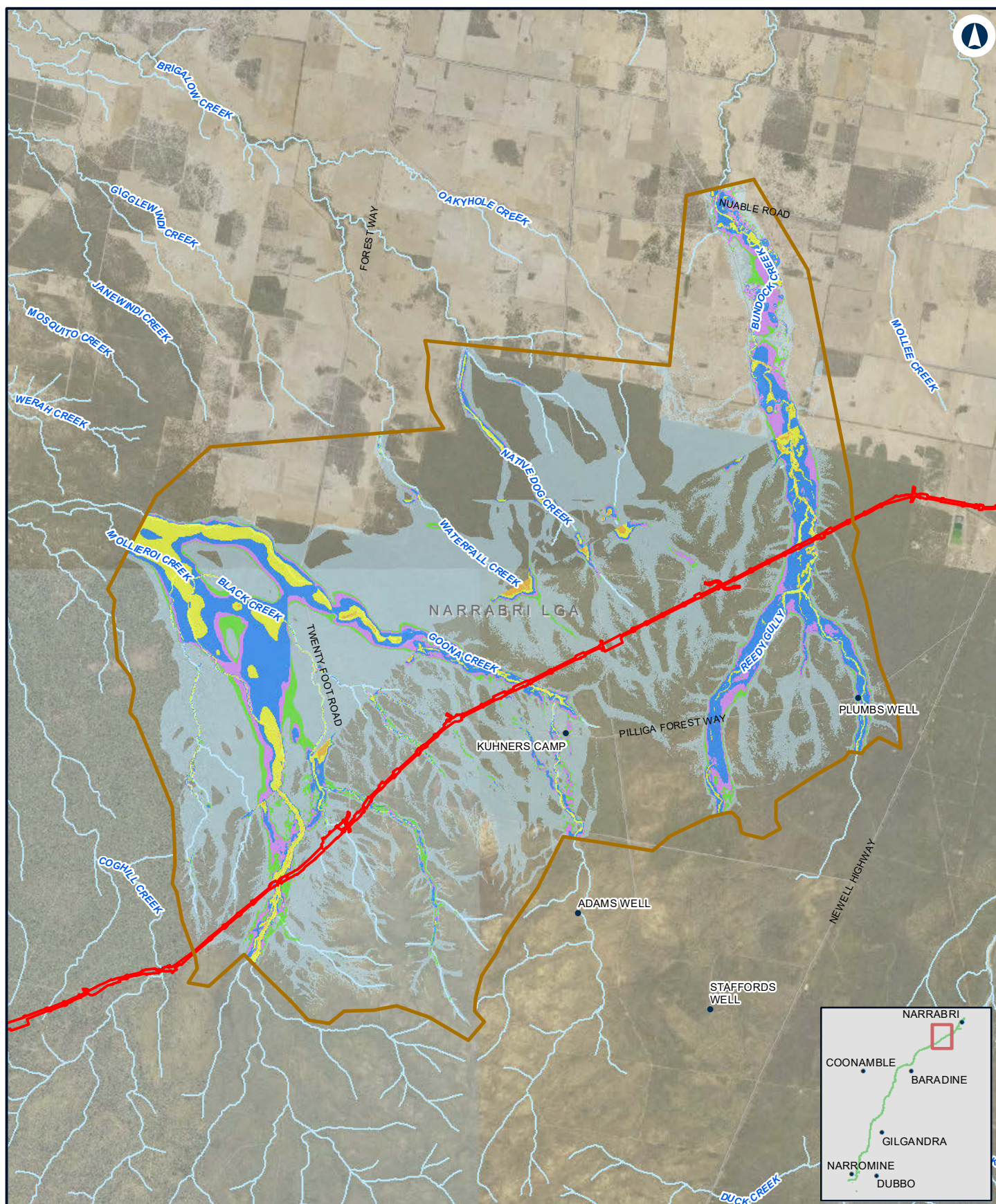
> 24hrs

**INLAND  
RAIL**

**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N23

Appendix D - Figure 3.7I

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: 1:140,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

> 24hrs

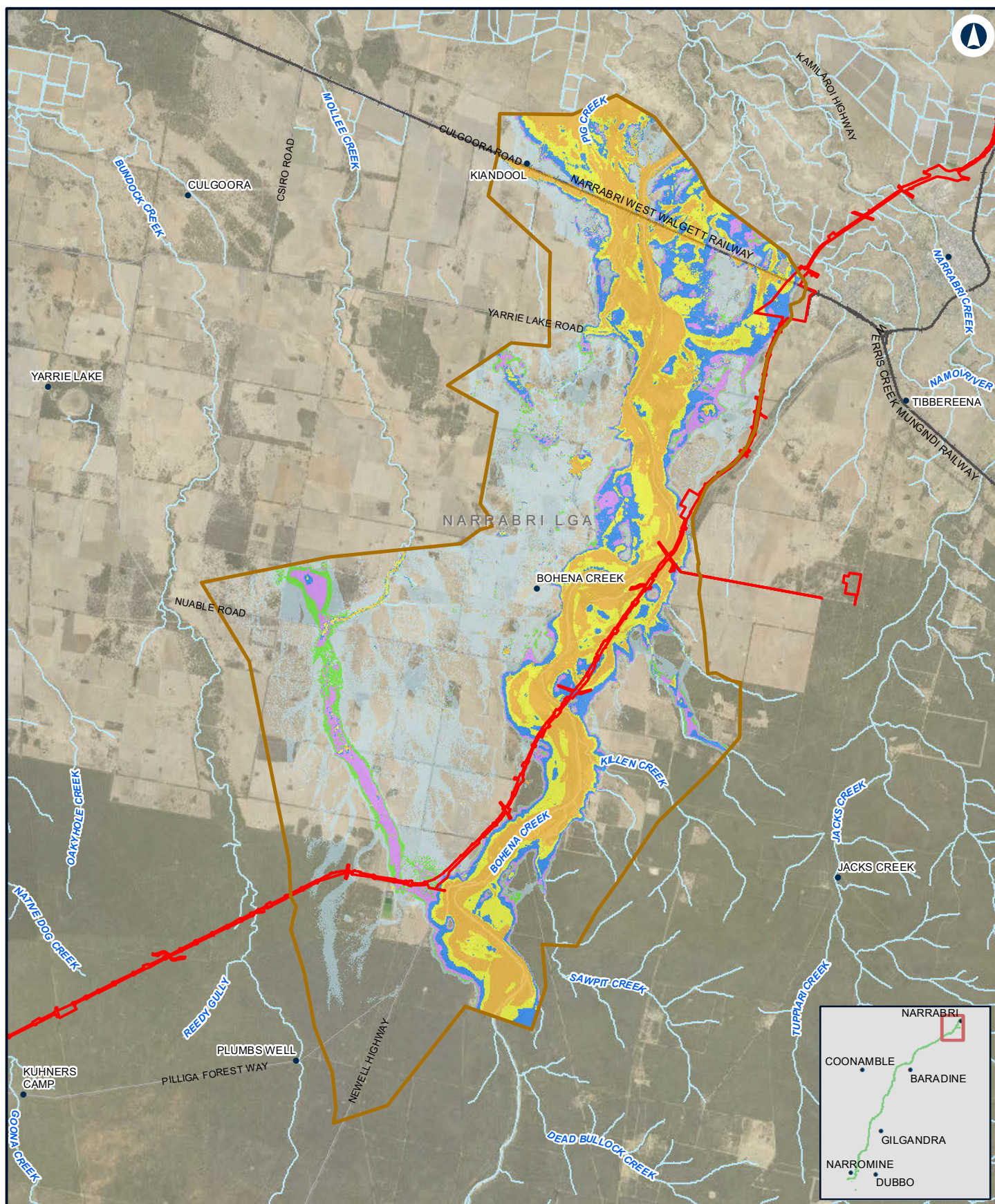
Flood extent

**INLAND  
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**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - 0.2% AEP - N2N1

Appendix D - Figure 3.7m

0 2 4 Km

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

Paper: A4  
Scale: 1:150,000

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

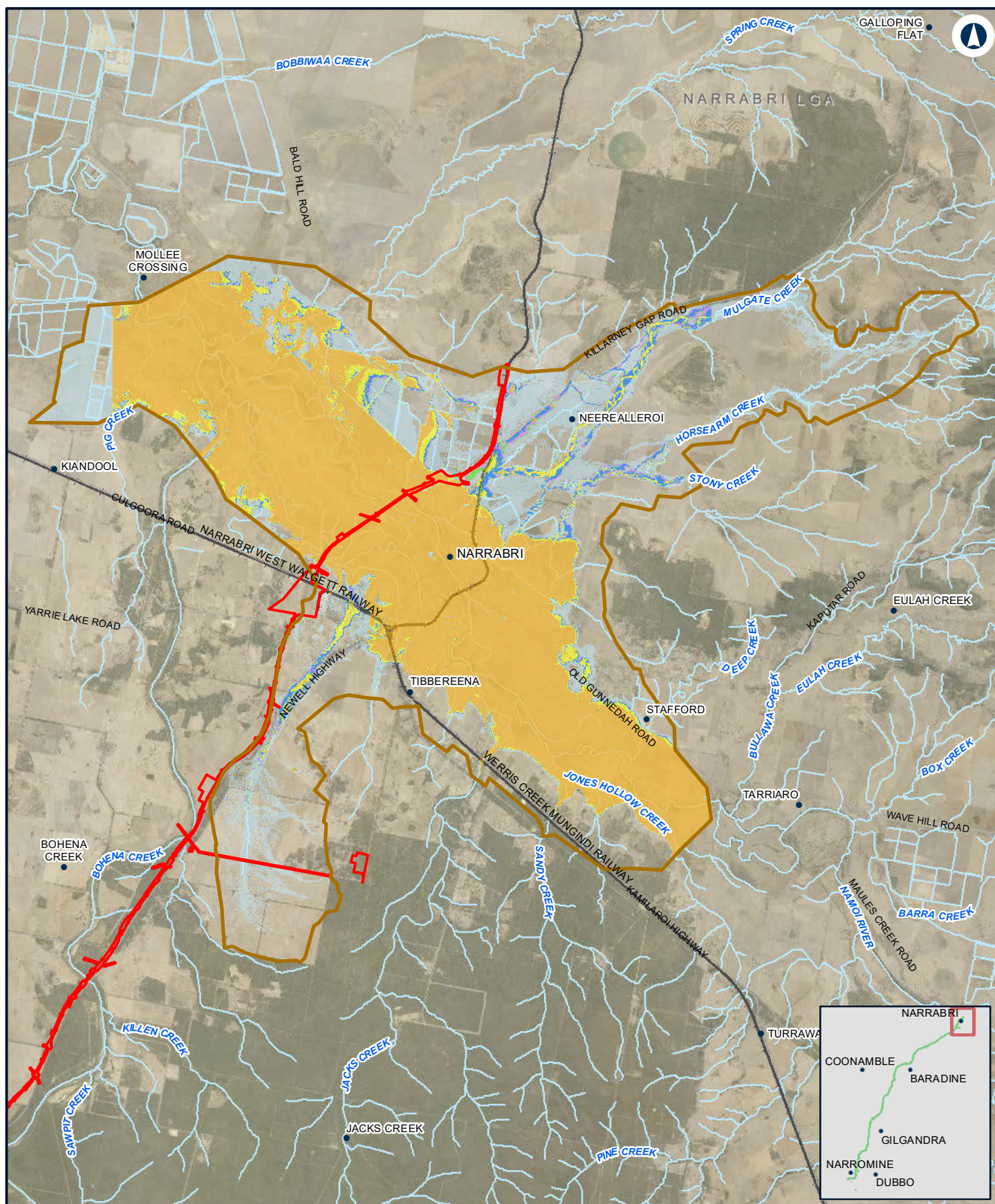
> 24hrs

Flood extent

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## Narromine to Narrabri

Existing duration - 0.2% AEP - Narrabri

Appendix D - Figure 3.7n

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

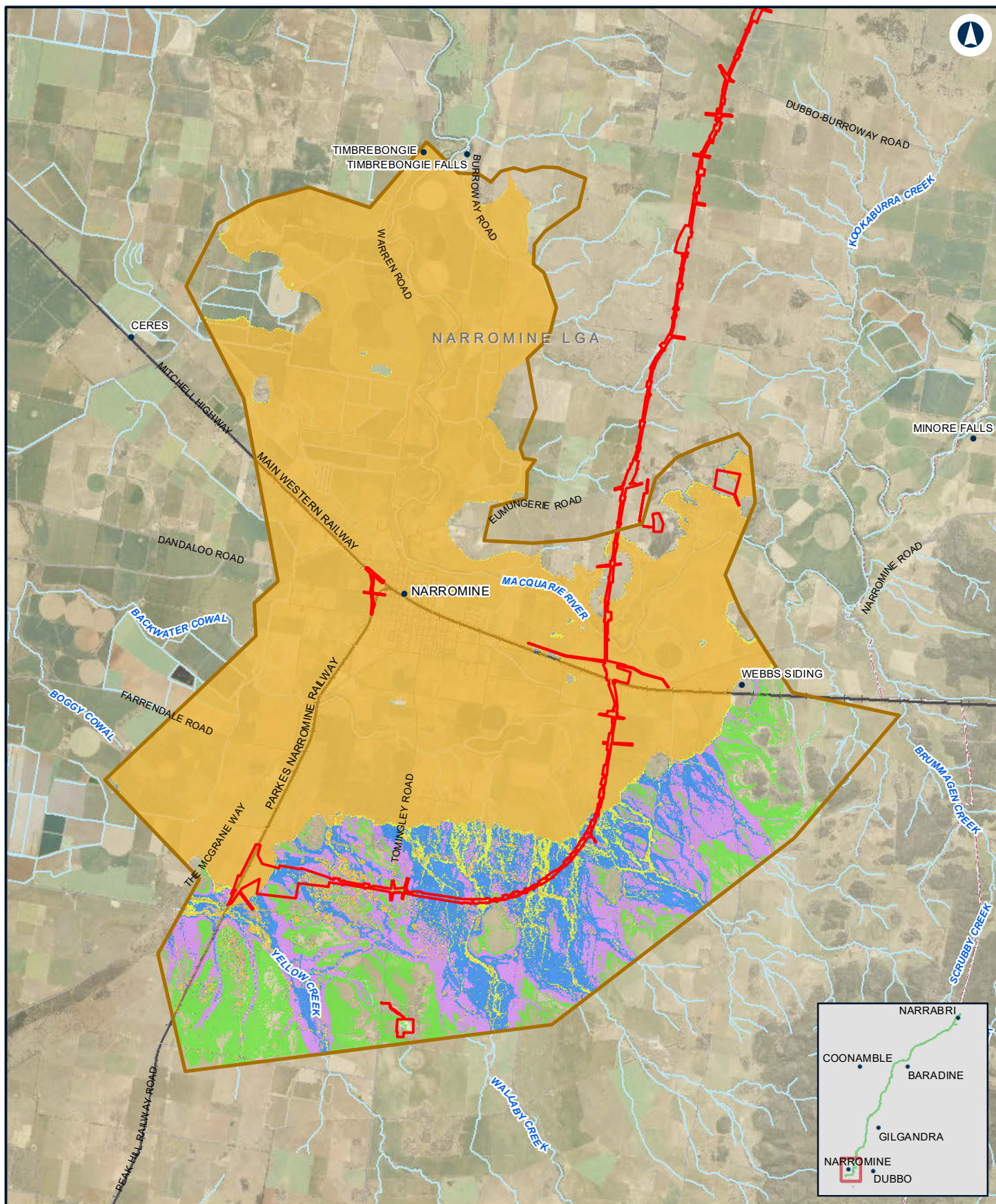
> 24hrs

Flood extent

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - PMF - NFM

Appendix D - Figure 3.8a

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:140,000

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

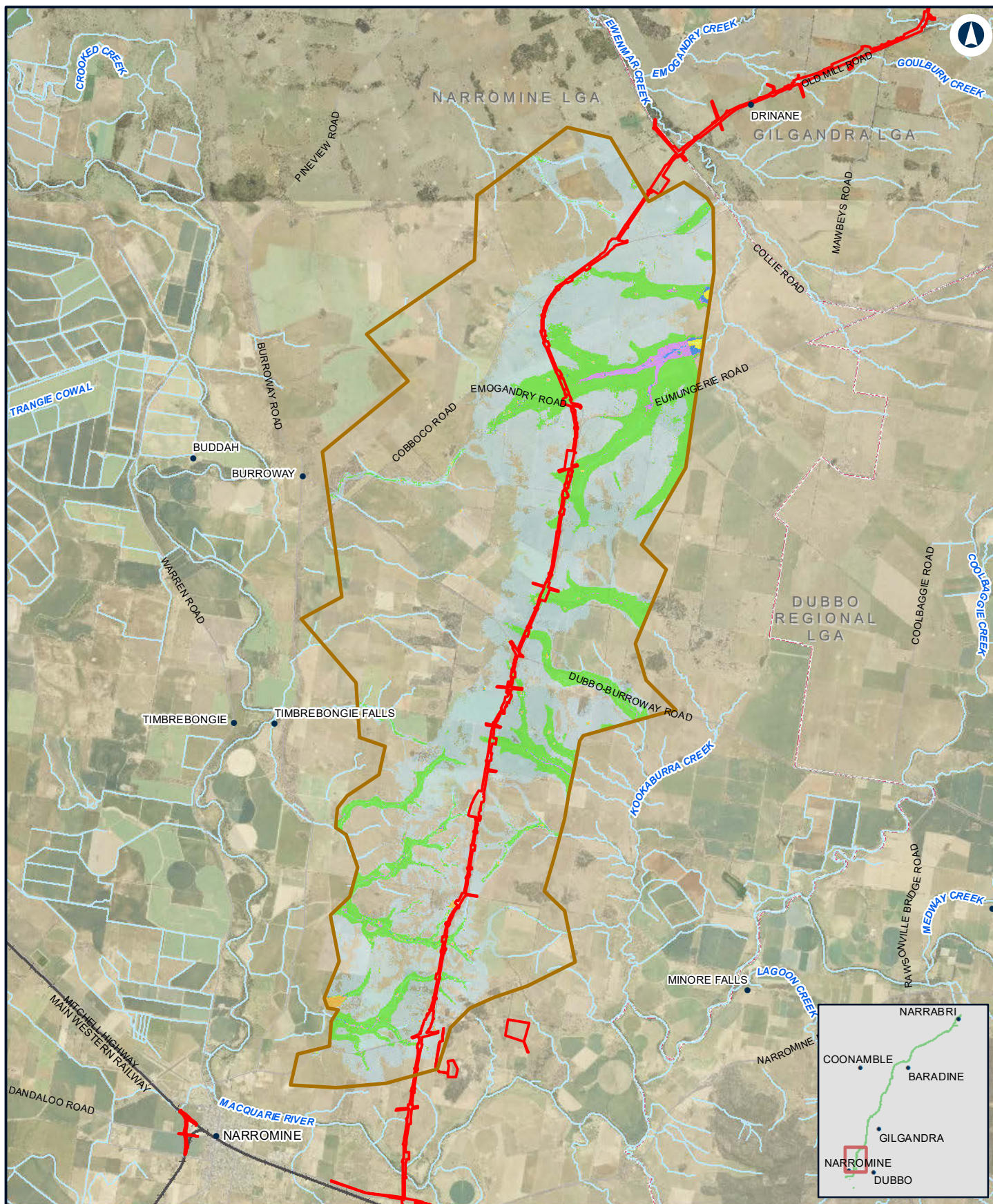
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N14

Appendix D - Figure 3.8b

0 2 4 Km

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

Flood extent

Model boundary

### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

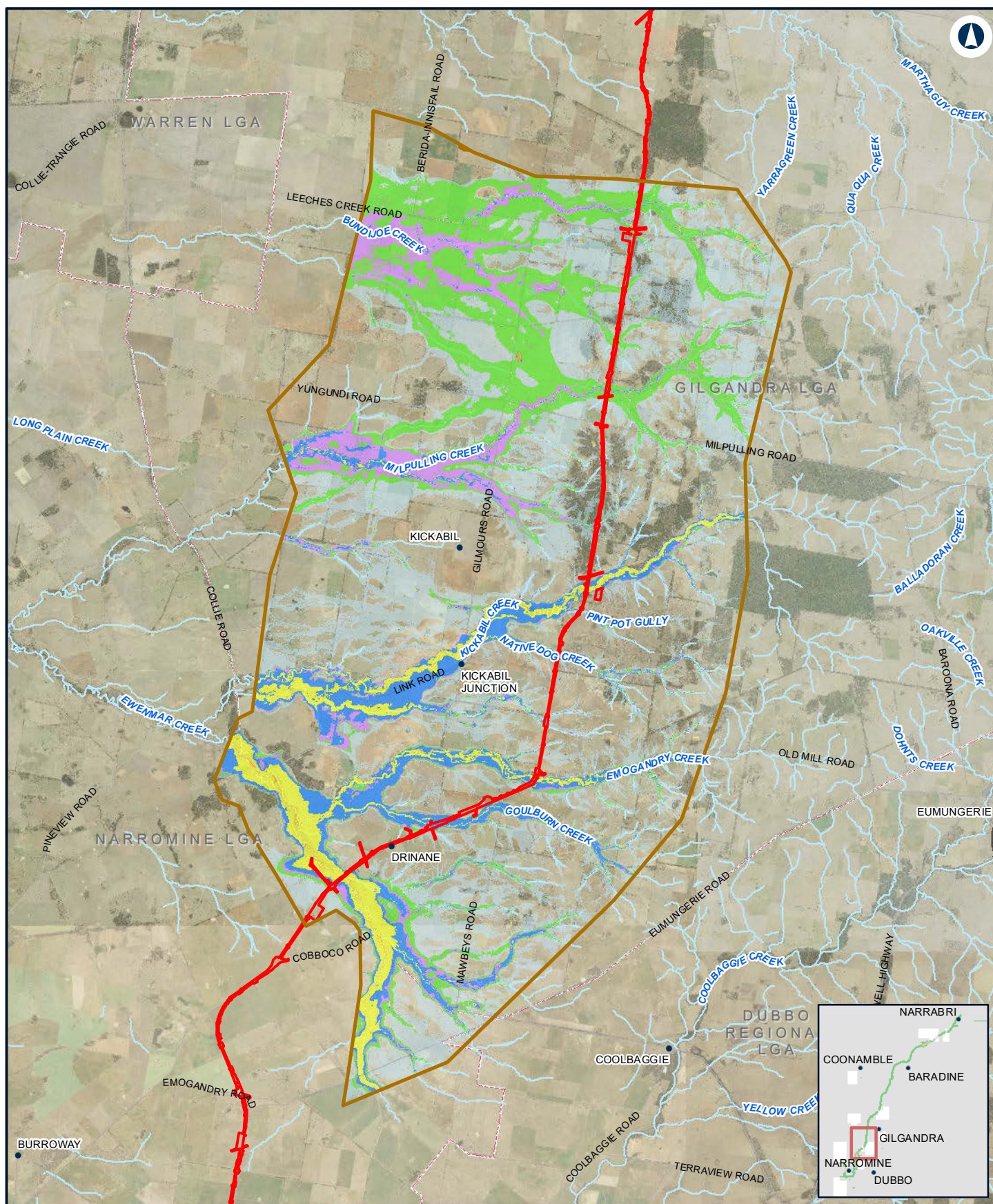
12hrs - 24hrs

> 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N13

Appendix D - Figure 3.8c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:180,000

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

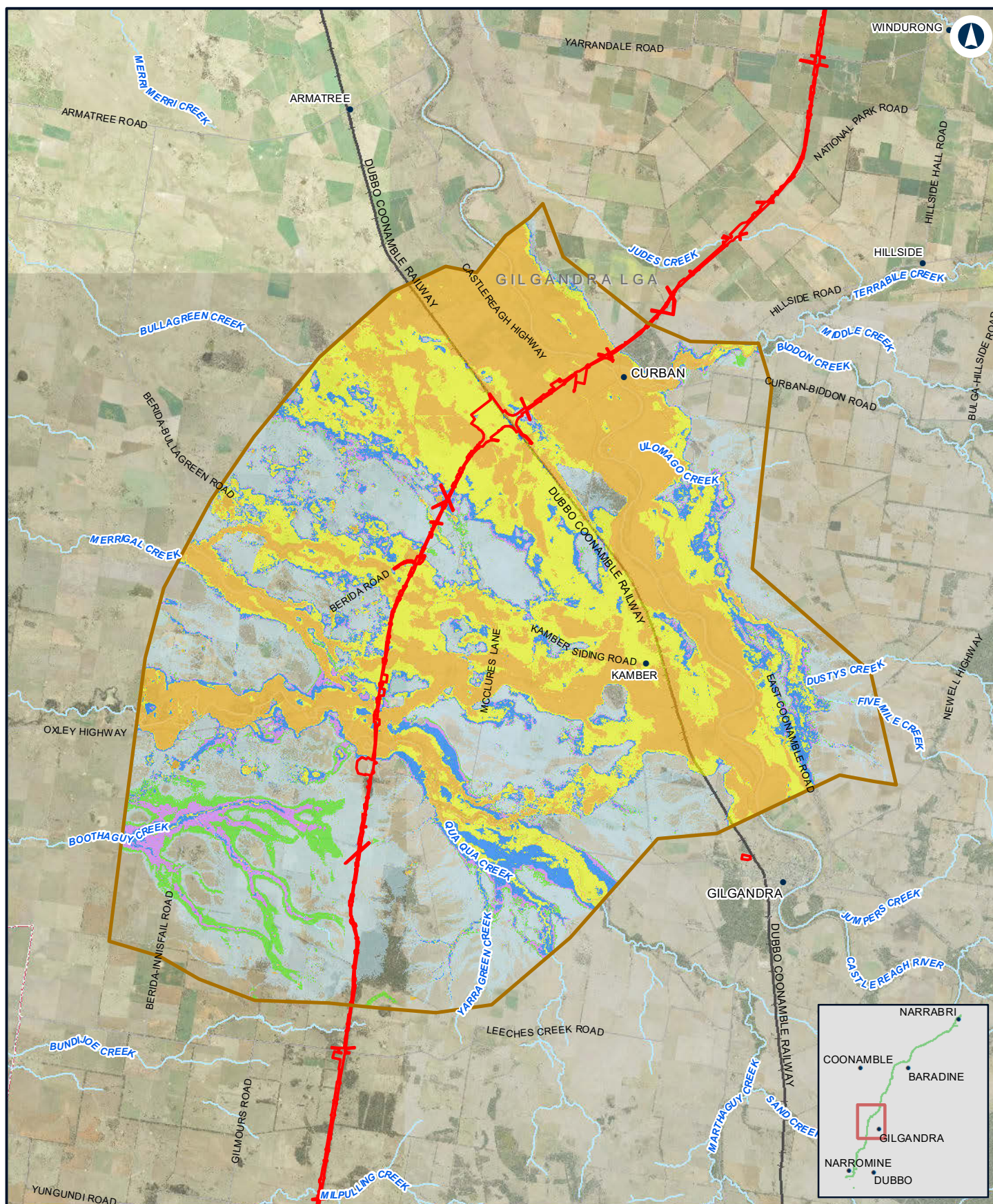
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

**INLAND RAIL** **ARTC**

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N11N12

Appendix D - Figure 3.8d

0 2.5 5  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022 Paper: A4  
Author: JacobsGHD Scale: 1:200,000  
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

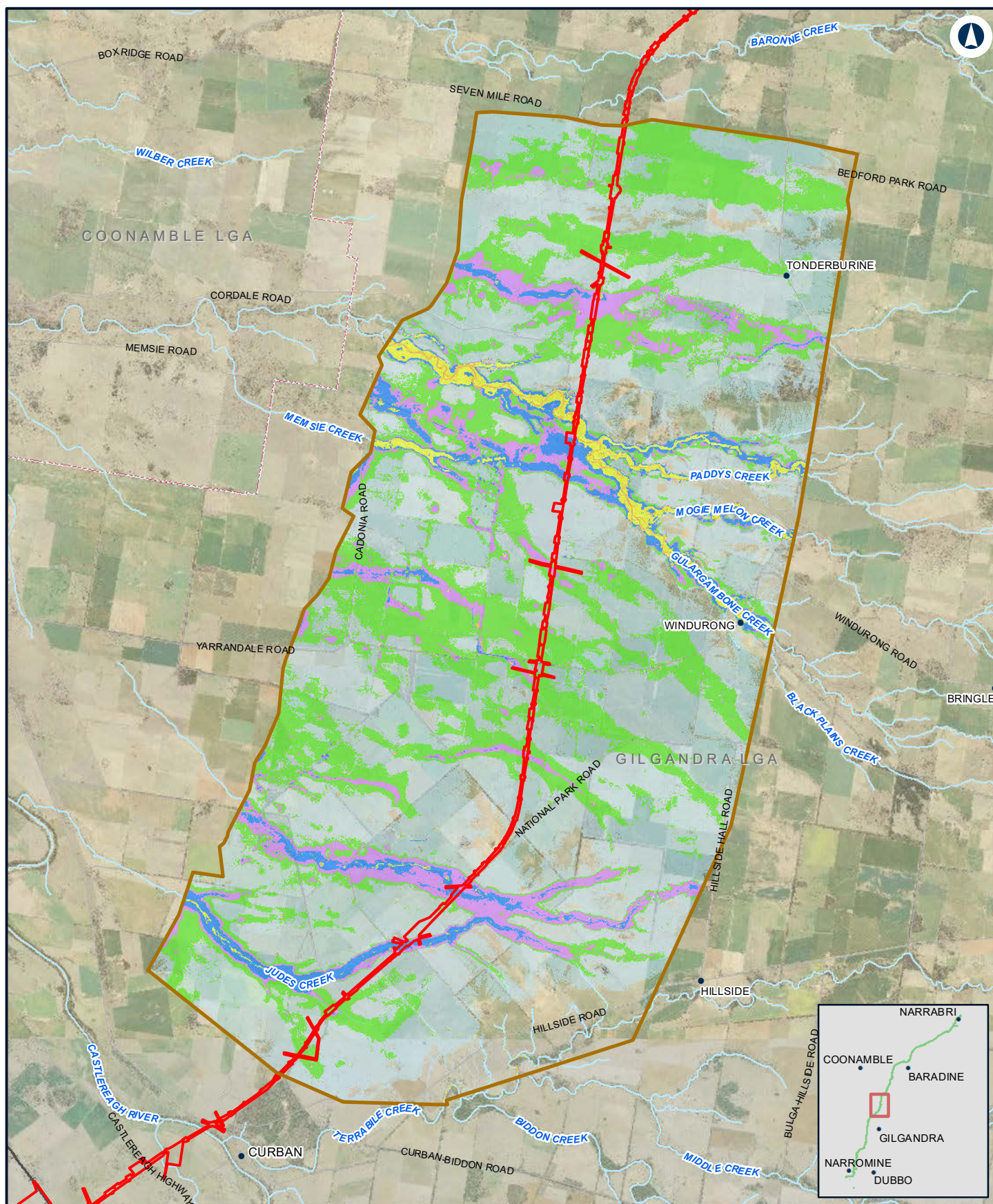
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N10

Appendix D - Figure 3.8e

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:130,000

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

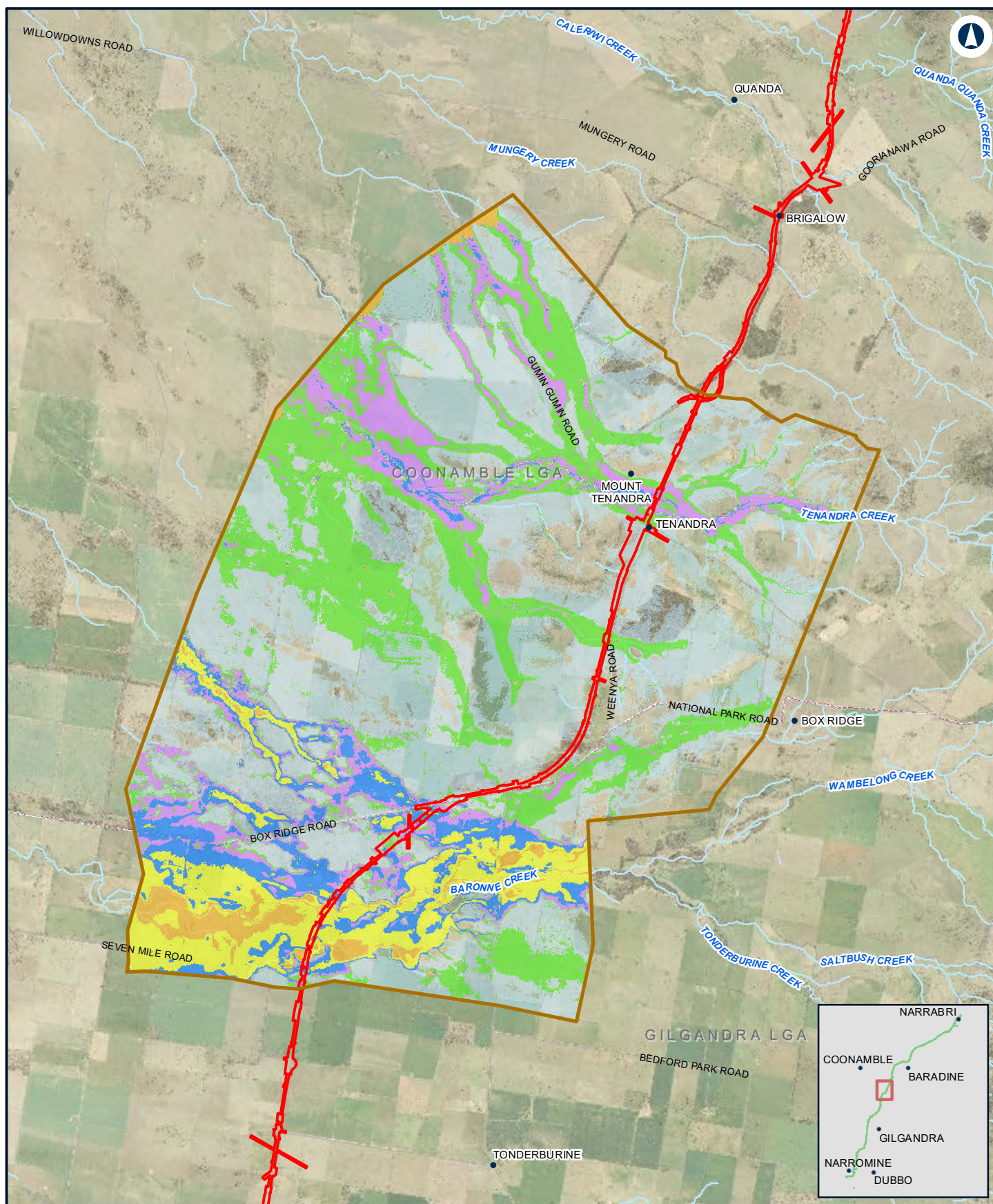
### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N9

Appendix D - Figure 3.8f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:110,000

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

### LEGEND

The proposal site Flood extent

Model boundary

### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

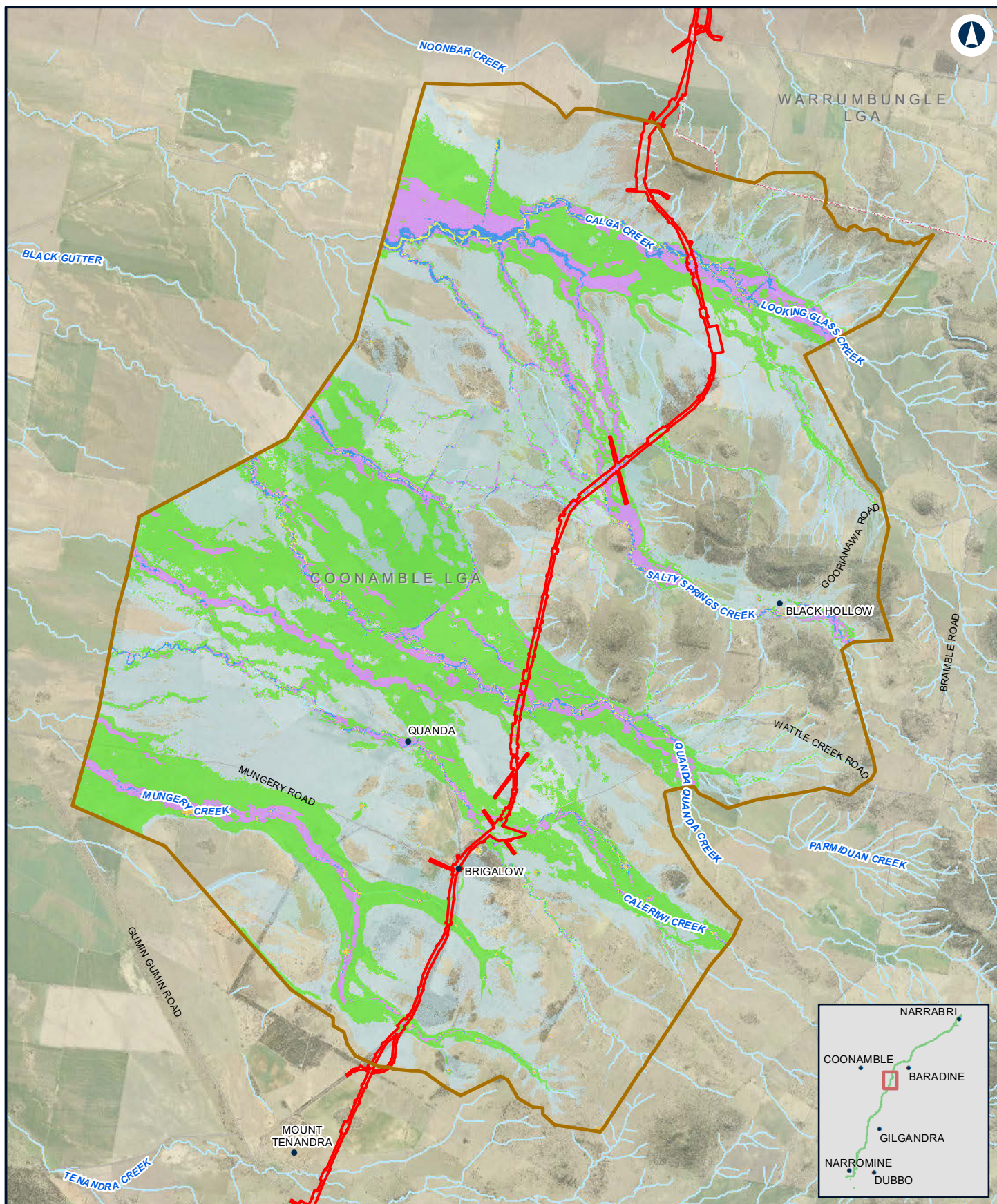
12hrs - 24hrs

> 24hrs

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N8

Appendix D - Figure 3.8g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:100,000

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

### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
  - 0 - 3hrs
  - 3hrs - 6hrs
  - 6hrs - 12hrs
  - 12hrs - 24hrs
  - > 24hrs

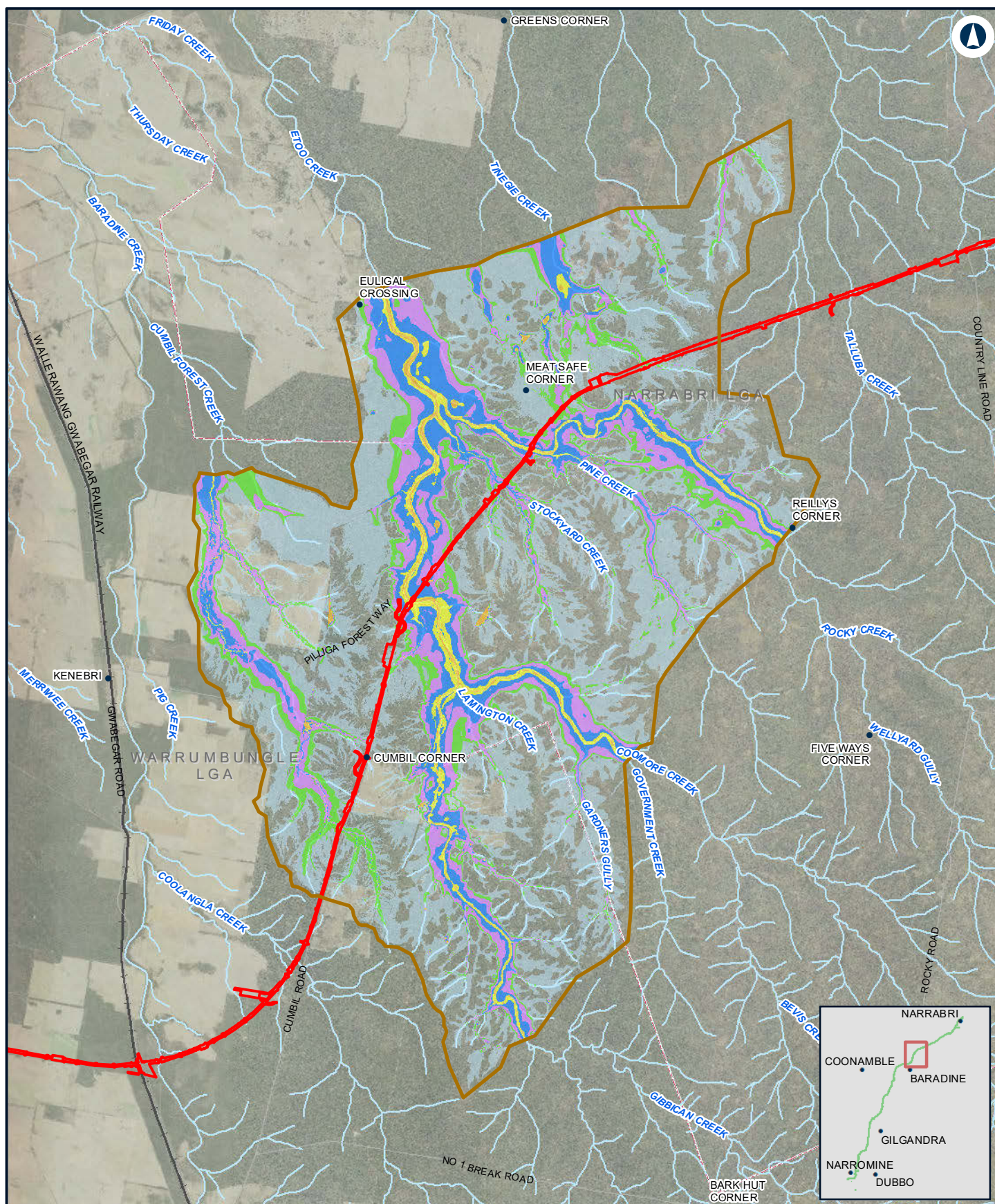
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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N6

Appendix D - Figure 3.8i

0 2 4 Km

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

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

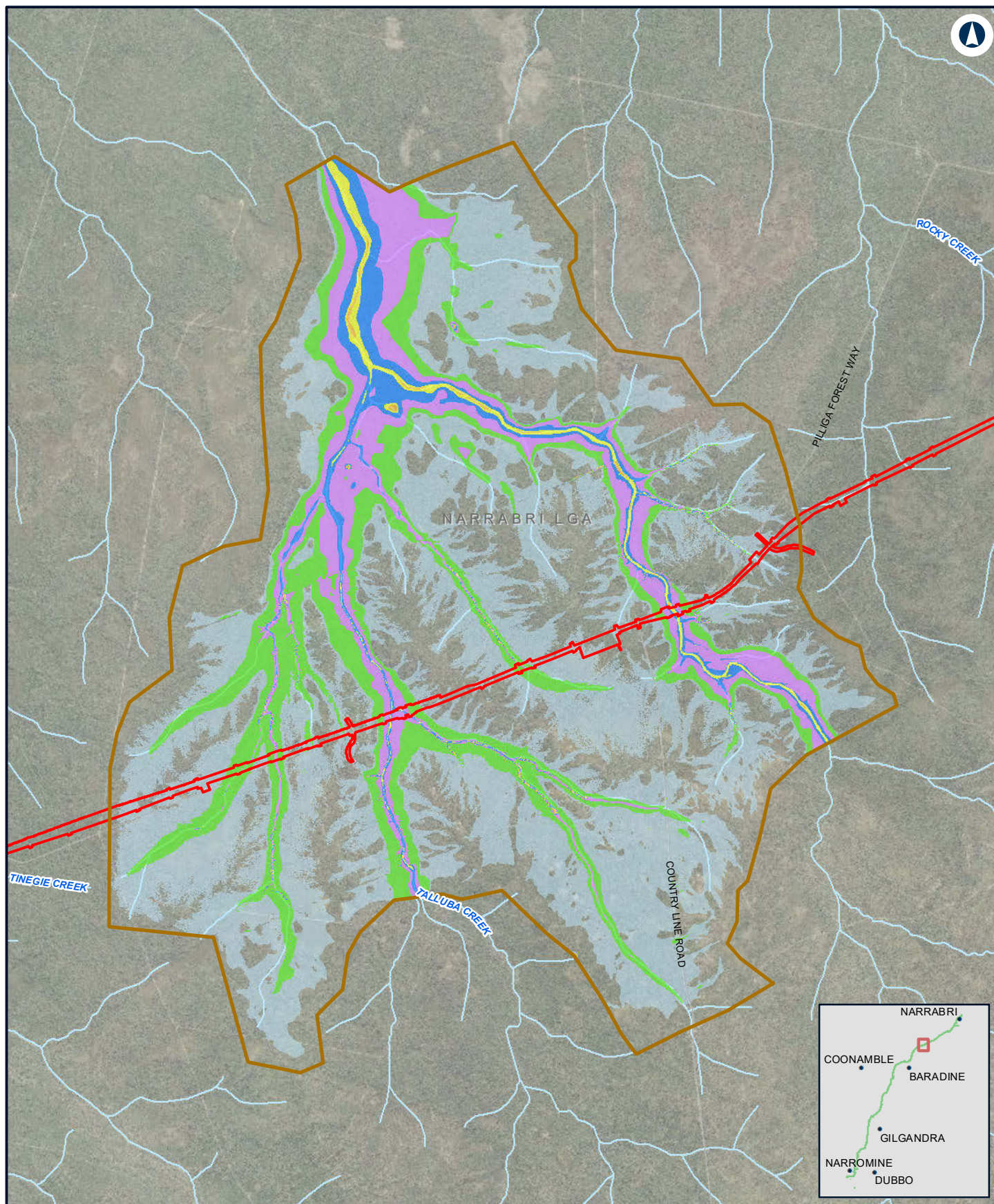
> 24hrs

Flood extent

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N5

Appendix D - Figure 3.8j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:70,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

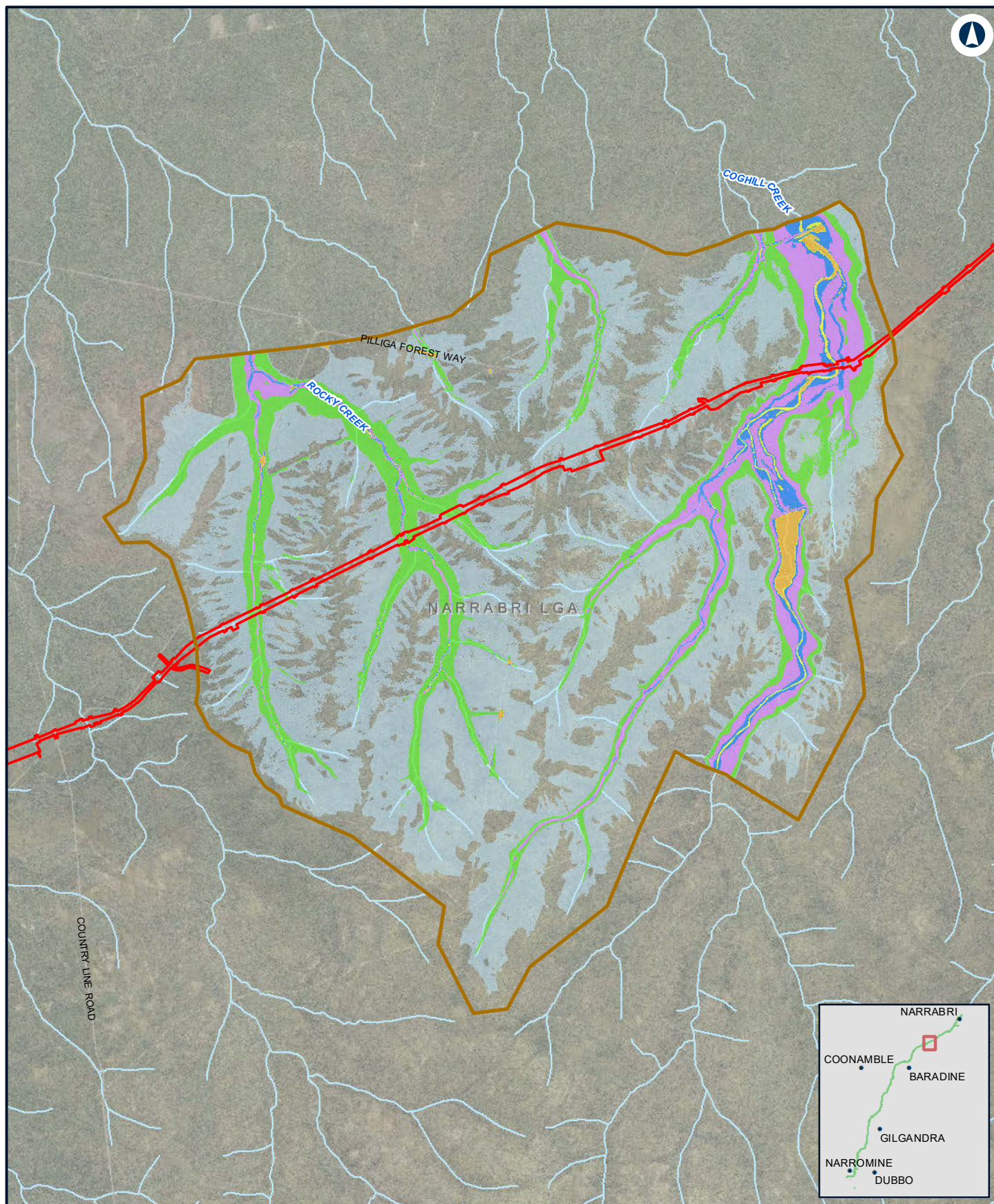
  12hrs - 24hrs

  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N4

Appendix D - Figure 3.8k

0 1 2  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:80,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

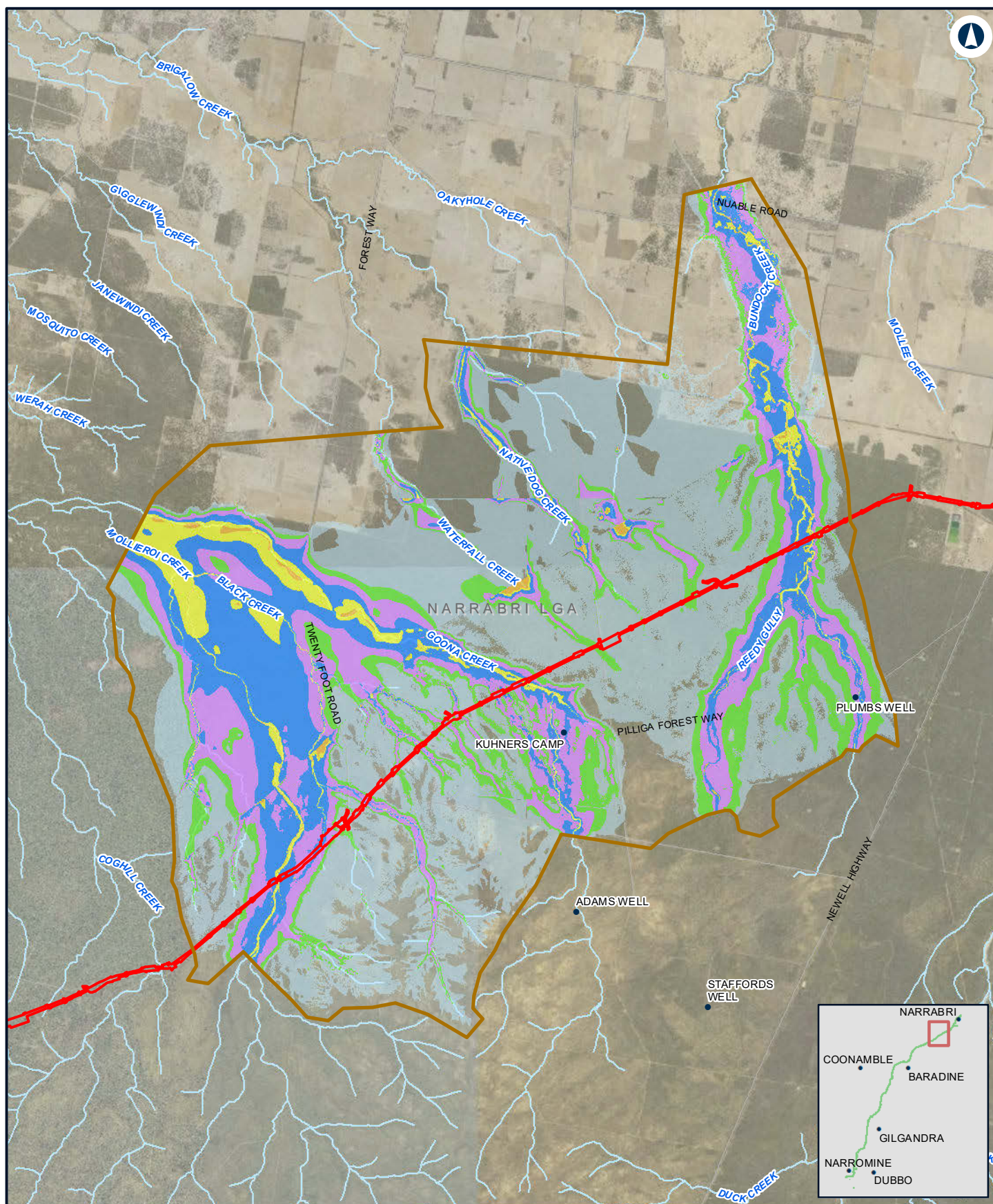
  12hrs - 24hrs

  > 24hrs

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N23

Appendix D - Figure 3.8I

0 1.5 3  
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:140,000

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

### LEGEND

  The proposal site   Flood extent

  Model boundary

#### Duration (hrs)

  0 - 3hrs

  3hrs - 6hrs

  6hrs - 12hrs

  12hrs - 24hrs

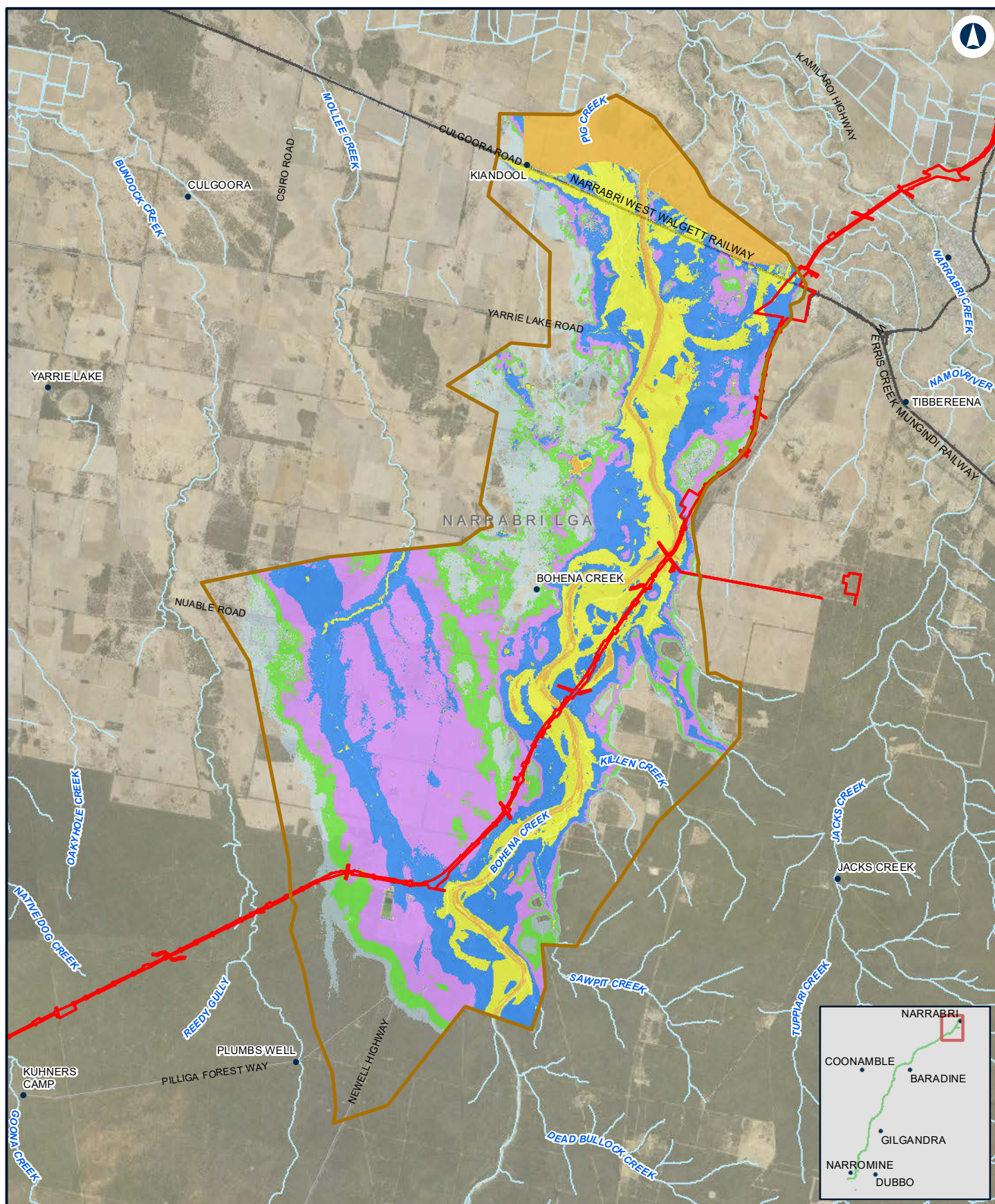
  > 24hrs

**INLAND  
RAIL**

**ARTC**

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## NARROMINE TO NARRABRI

Existing duration - PMF - N2N1

Appendix D - Figure 3.8m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:150,000

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

### LEGEND

  The proposal site

  Model boundary

#### Duration (hrs)

0 - 3hrs

3hrs - 6hrs

6hrs - 12hrs

12hrs - 24hrs

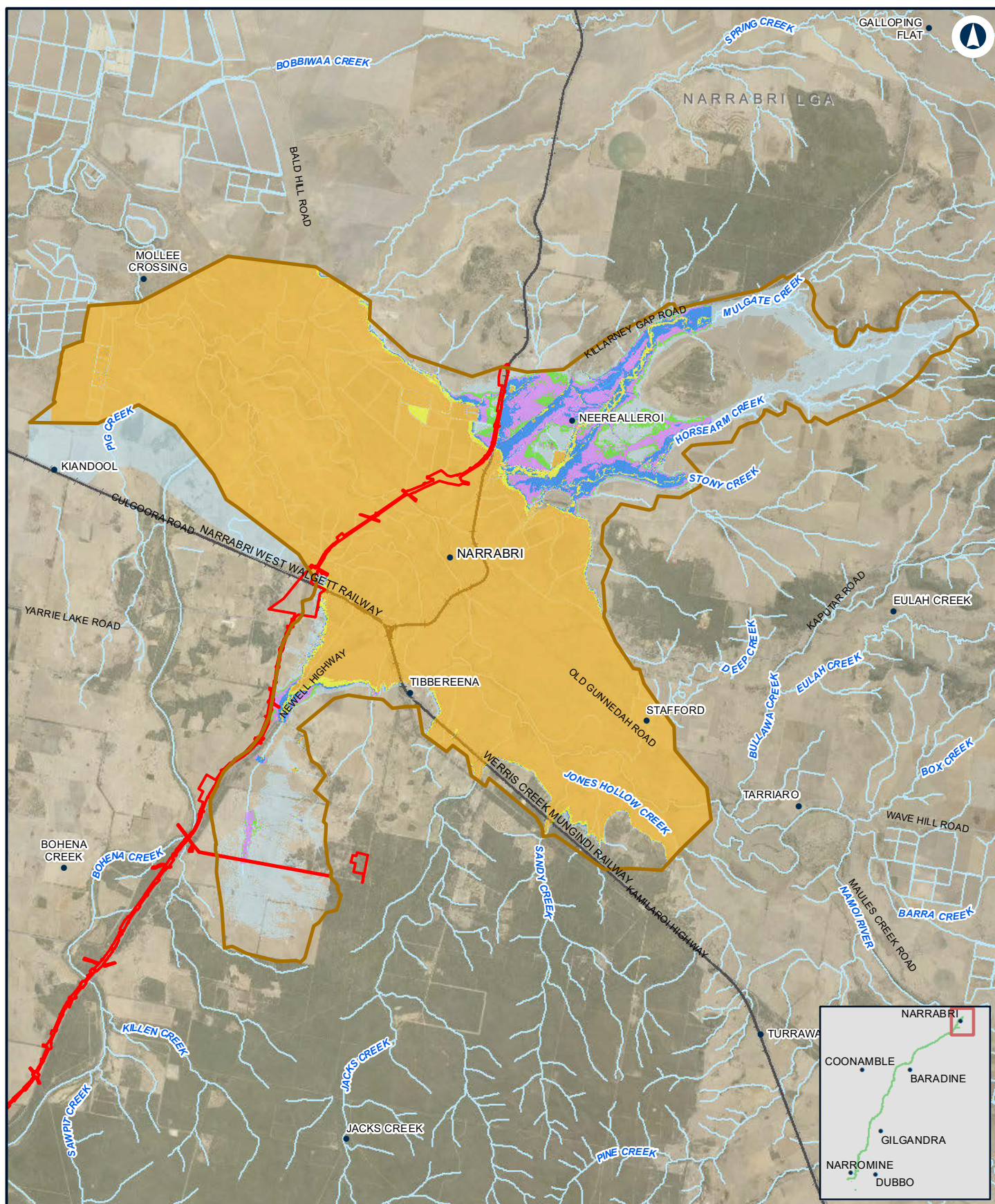
> 24hrs

Flood extent

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## NARROMINE TO NARRABRI

Existing duration - PMF - Narrabri

Appendix D - Figure 3.8n

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022  
Author: JacobsGHD

Paper: A4  
Scale: 1:160,000

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

### LEGEND

- The proposal site
- Model boundary
- Flood extent
- Duration (hrs)**
- 0 - 3hrs
- 3hrs - 6hrs
- 6hrs - 12hrs
- 12hrs - 24hrs
- > 24hrs

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