

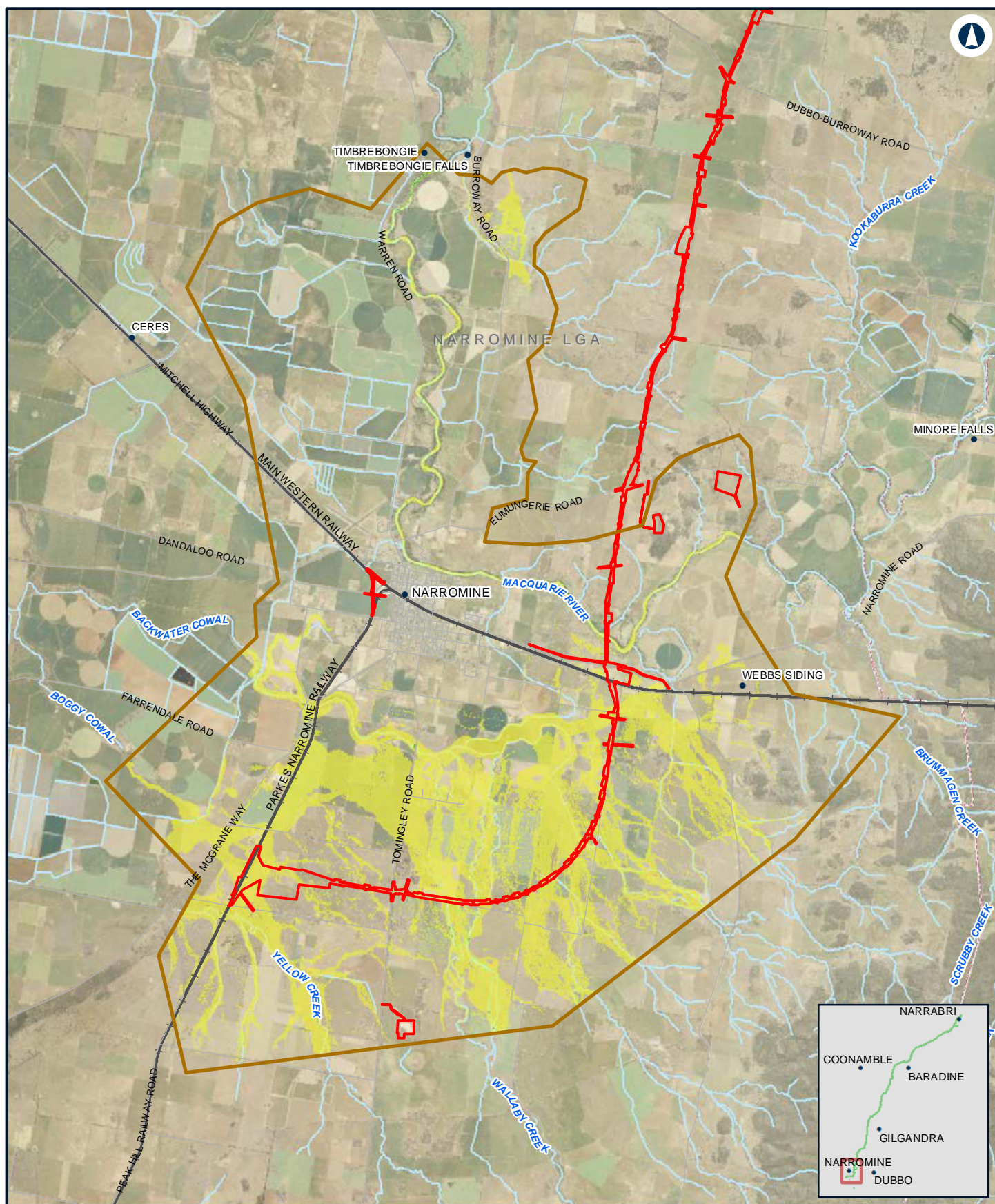
TECHNICAL REPORT 03

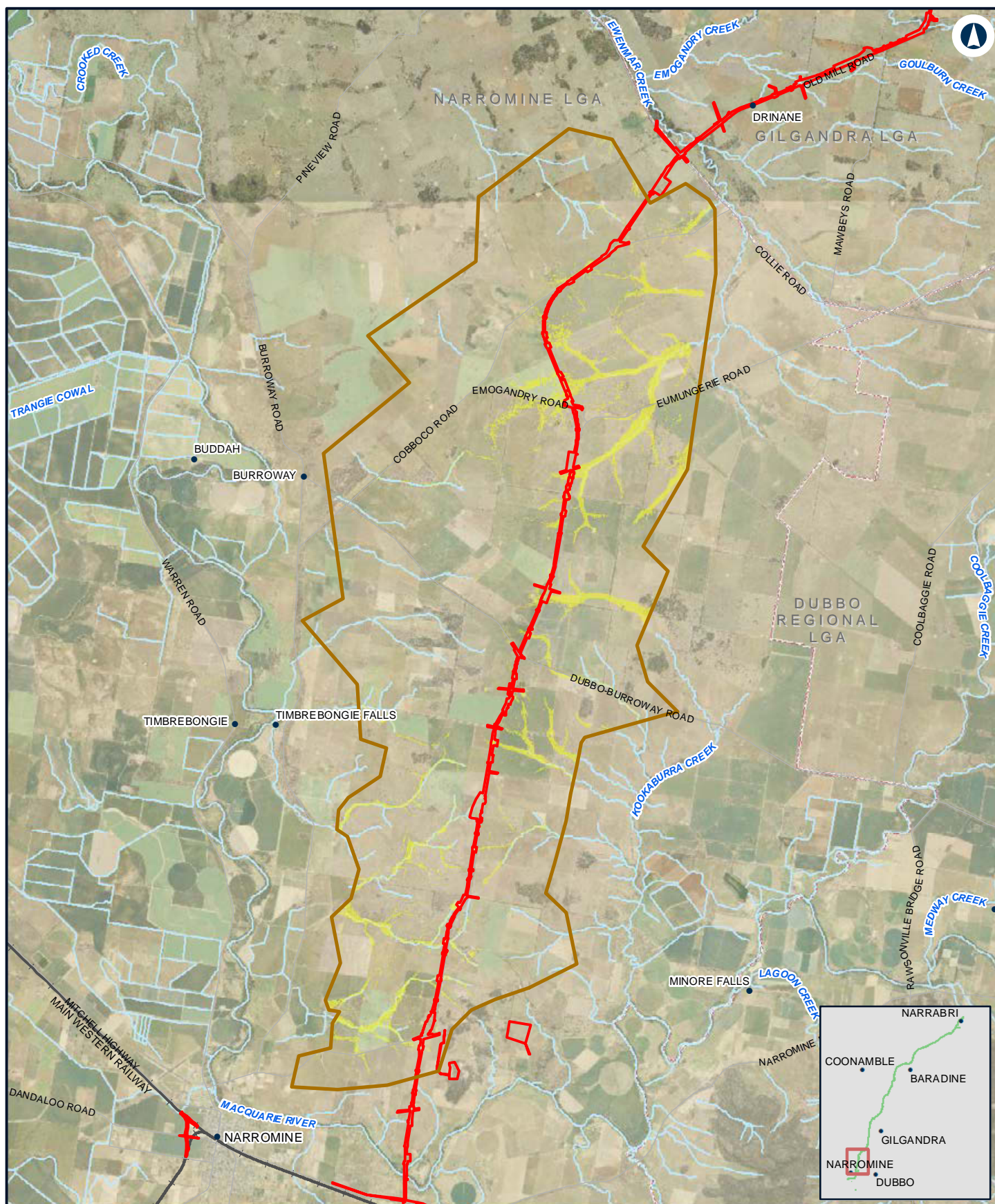
Updated flooding and hydrology assessment

Appendix D2 Existing maximum flow velocities

NARROMINE TO NARRABRI PROJECT







NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N14

Appendix D Figure 2.1b

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 velocity

0.0m/s - 1.0m/s

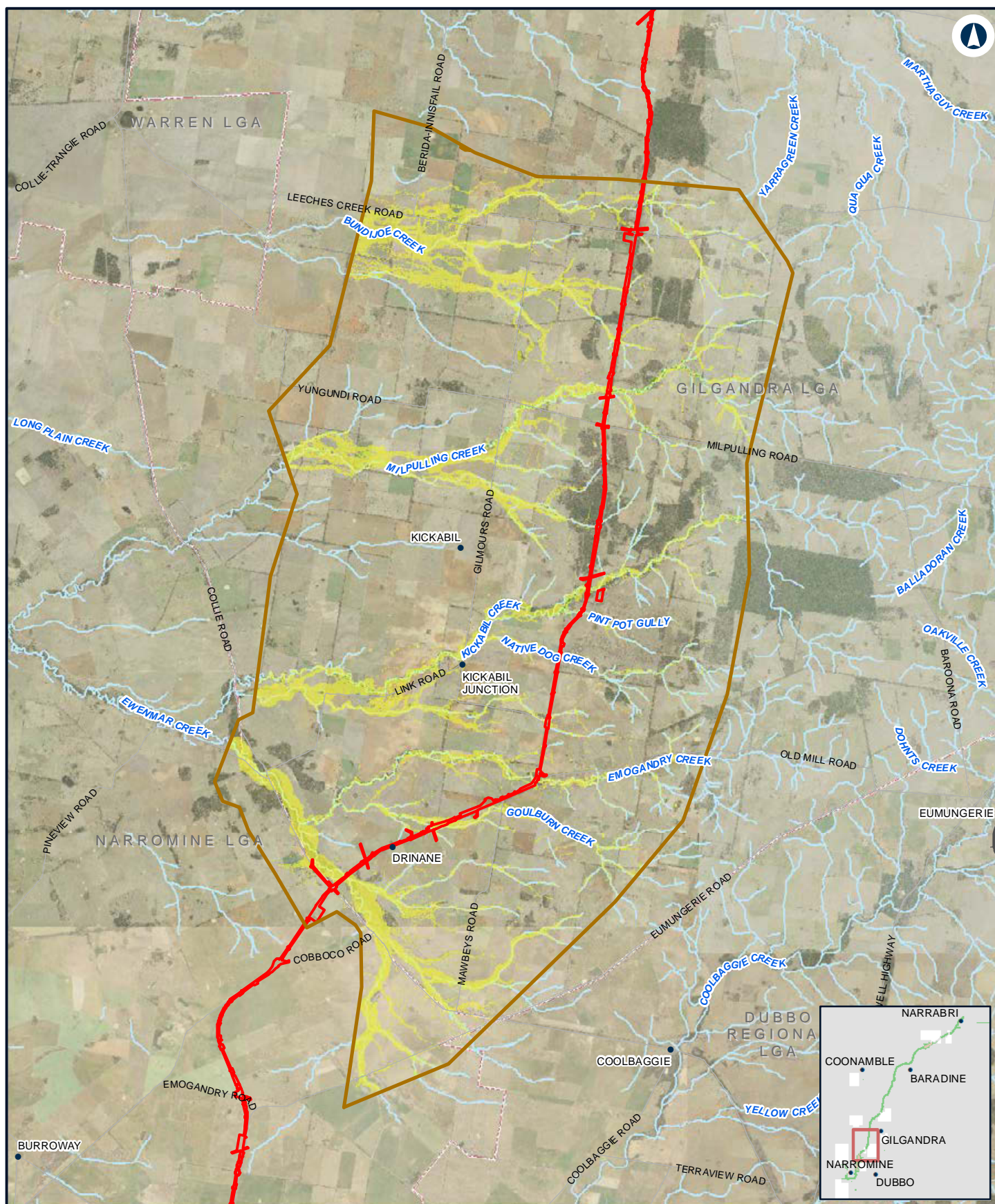
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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 peak velocity - 20% AEP - N2N13

Appendix D Figure 2.1c

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 velocity

0.0m/s - 1.0m/s

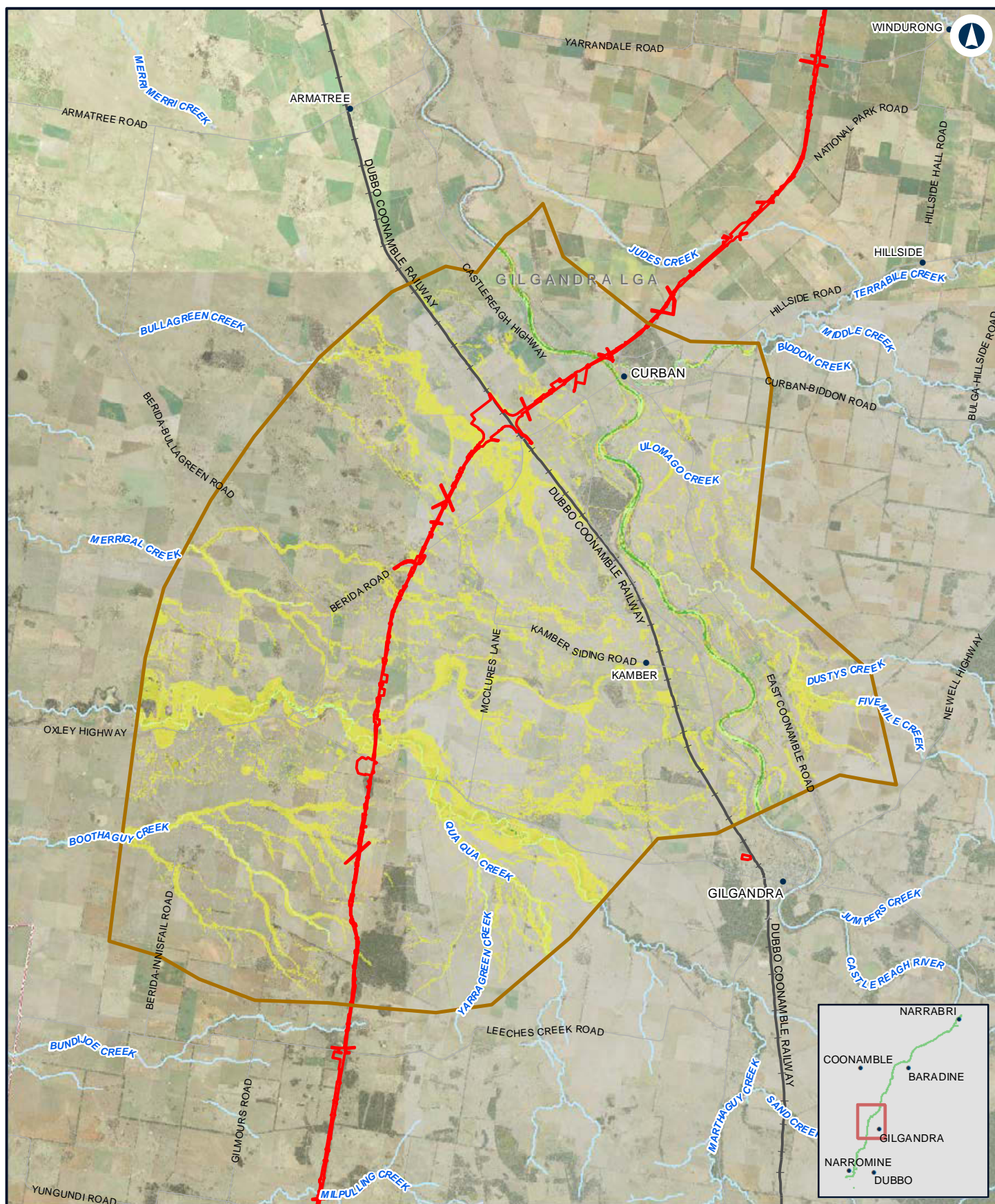
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N11N12

Appendix D Figure 2.1d

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

Model boundary

Flood velocity

0.0m/s - 1.0m/s

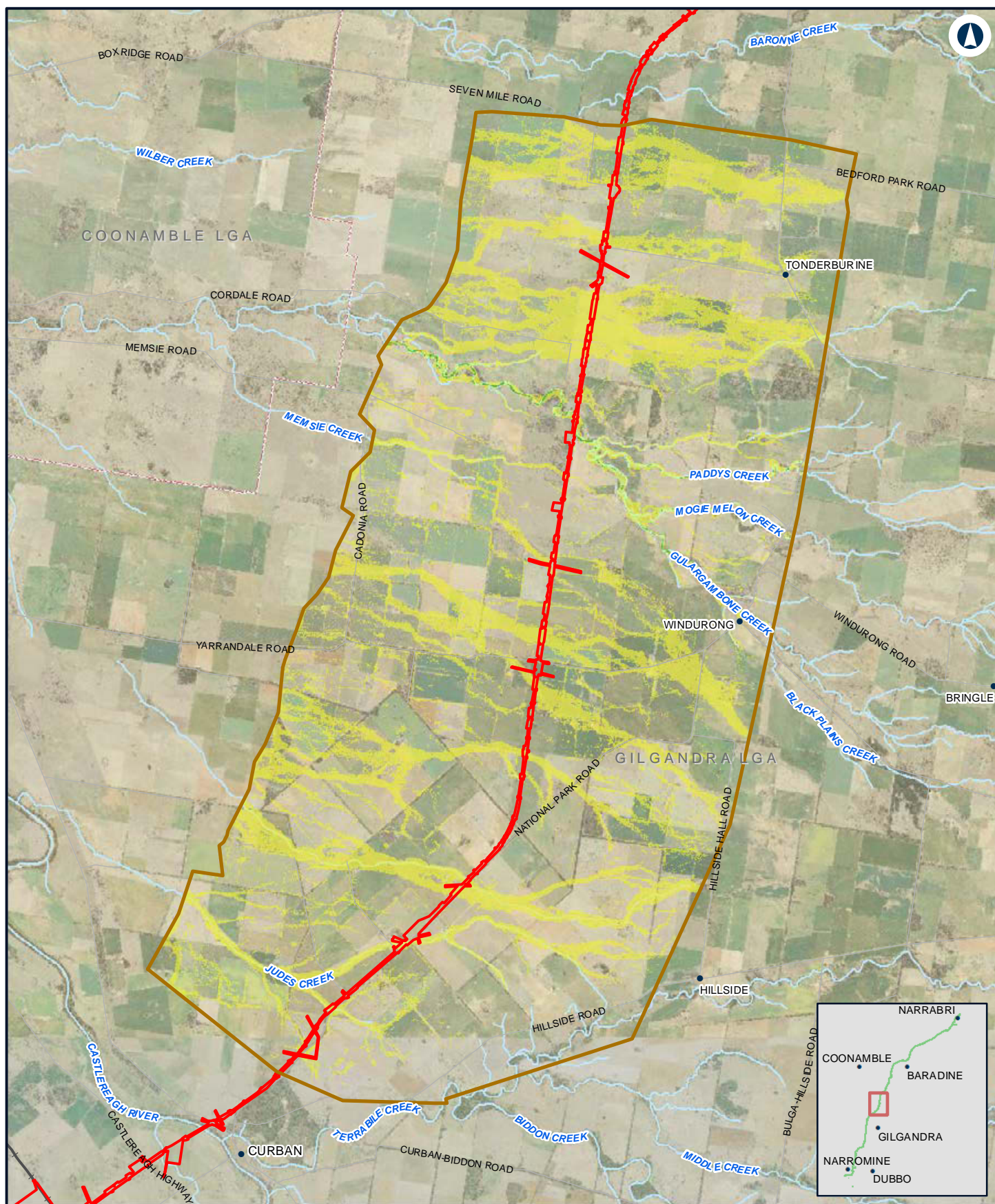
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N10

Appendix D Figure 2.1e

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 velocity

0.0m/s - 1.0m/s

1.0m/s - 1.5m/s

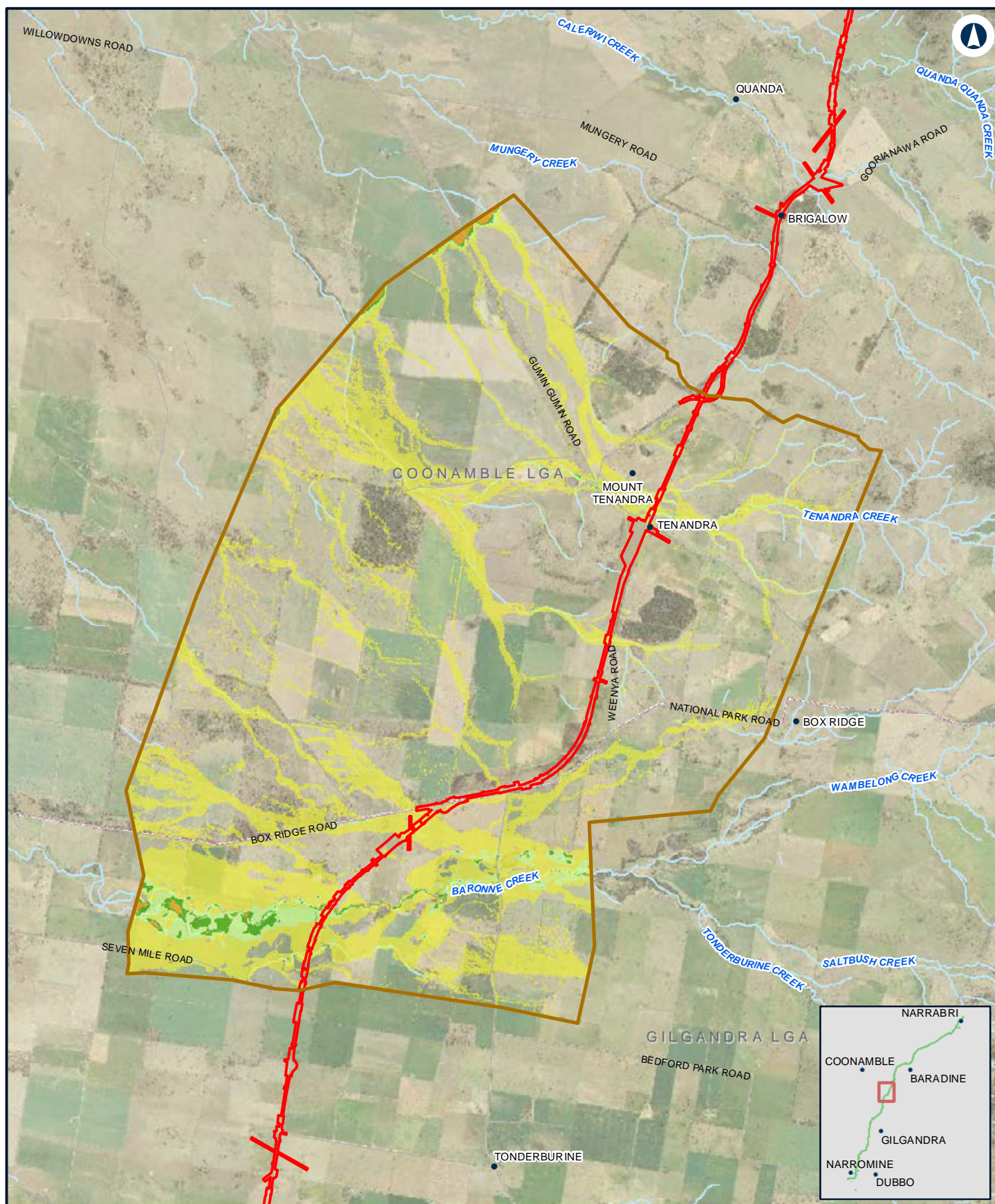
1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N9

Appendix D Figure 2.1f

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 velocity

0.0m/s - 1.0m/s

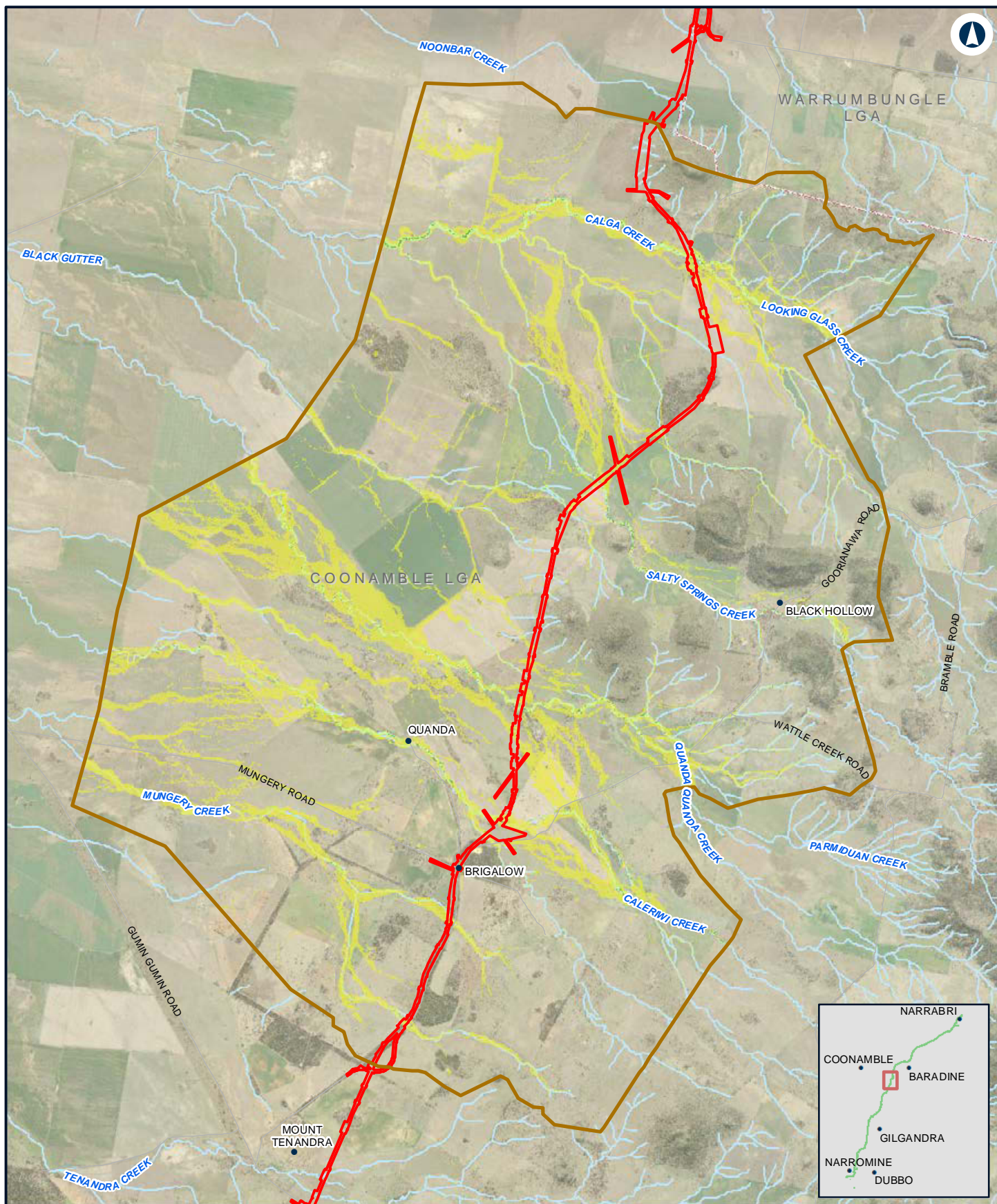
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N8

Appendix D Figure 2.1g

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 velocity

0.0m/s - 1.0m/s

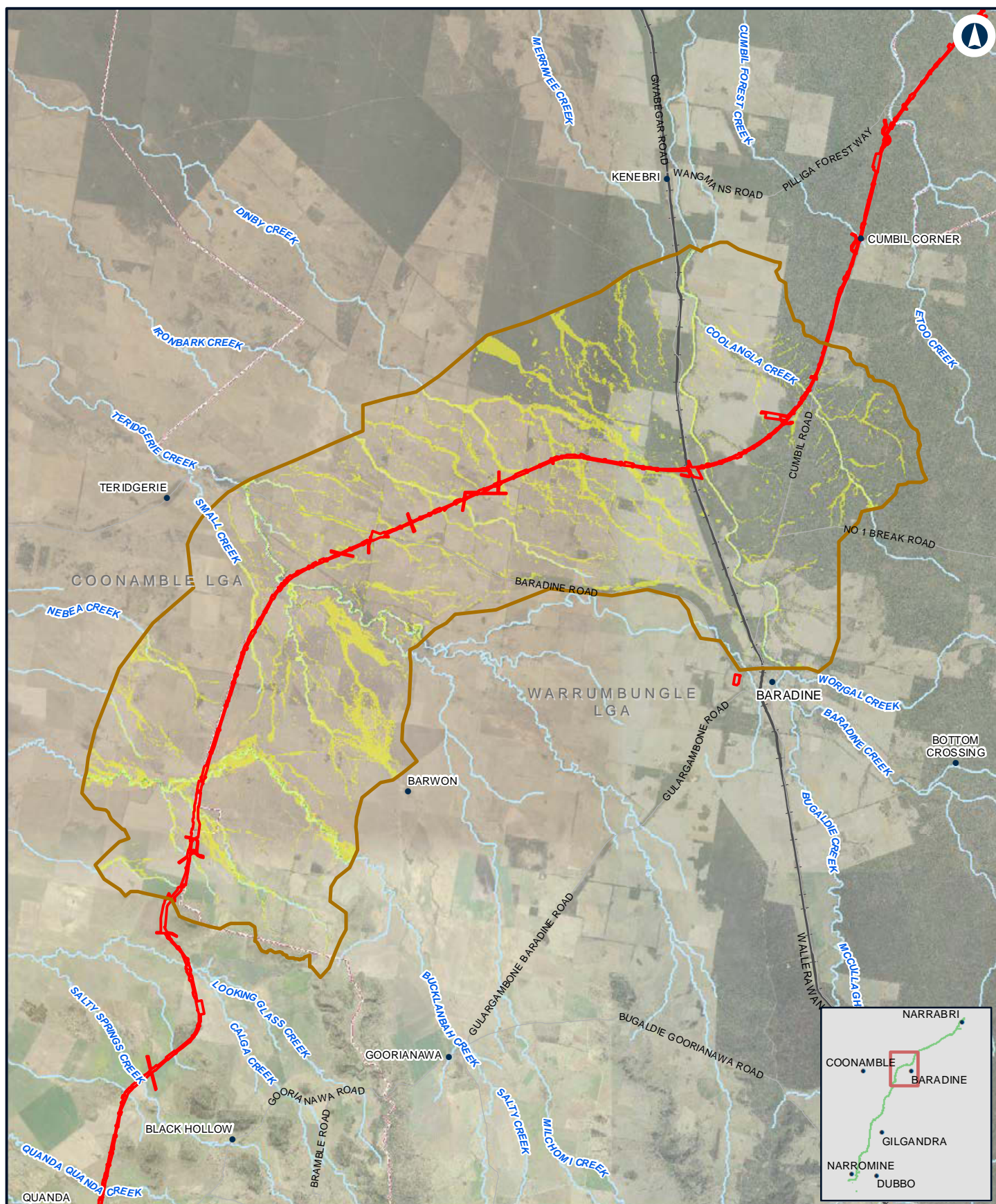
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N7

Appendix D Figure 2.1h

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 velocity

0.0m/s - 1.0m/s

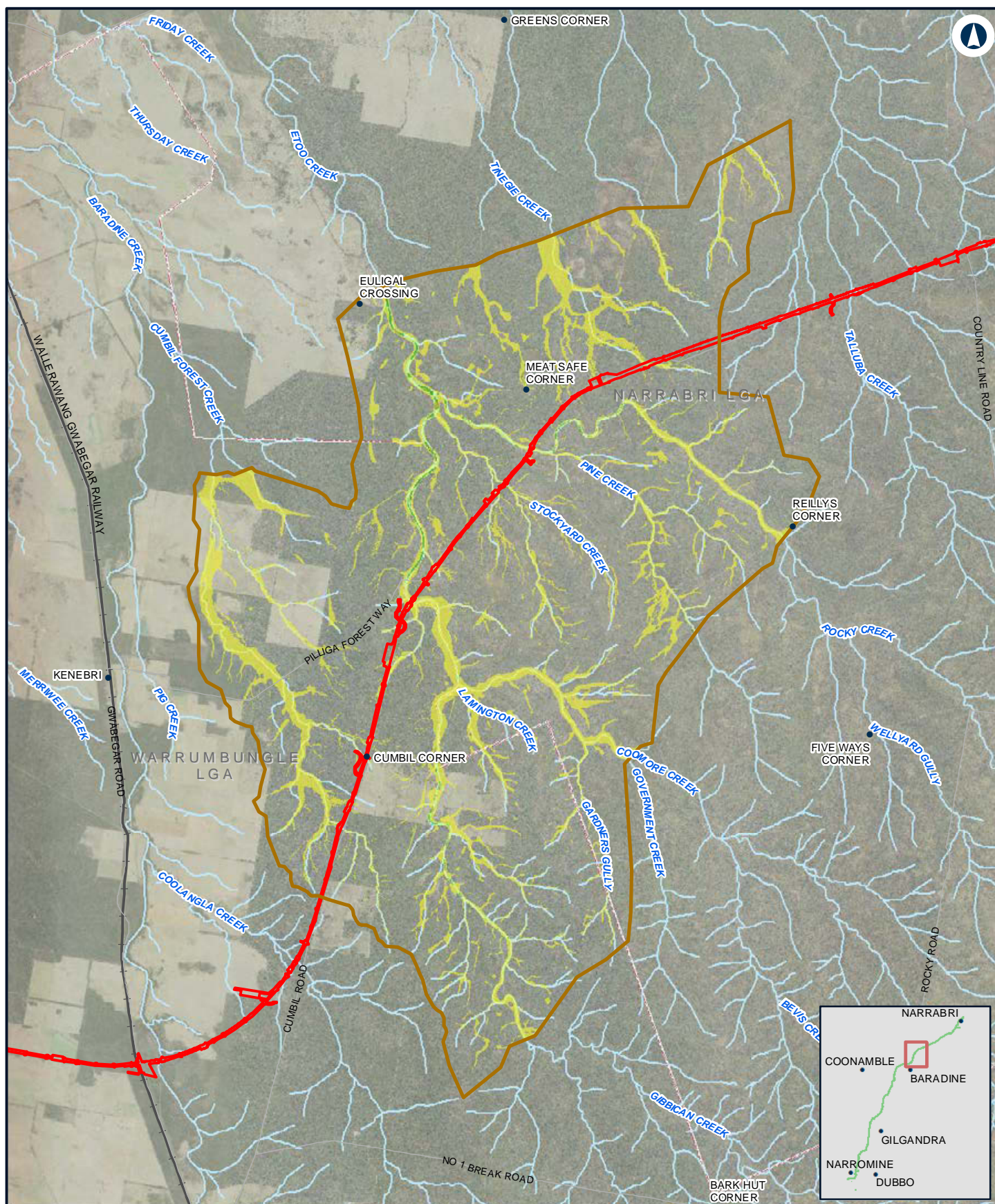
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N6

Appendix D Figure 2.1i

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 velocity

0.0m/s - 1.0m/s

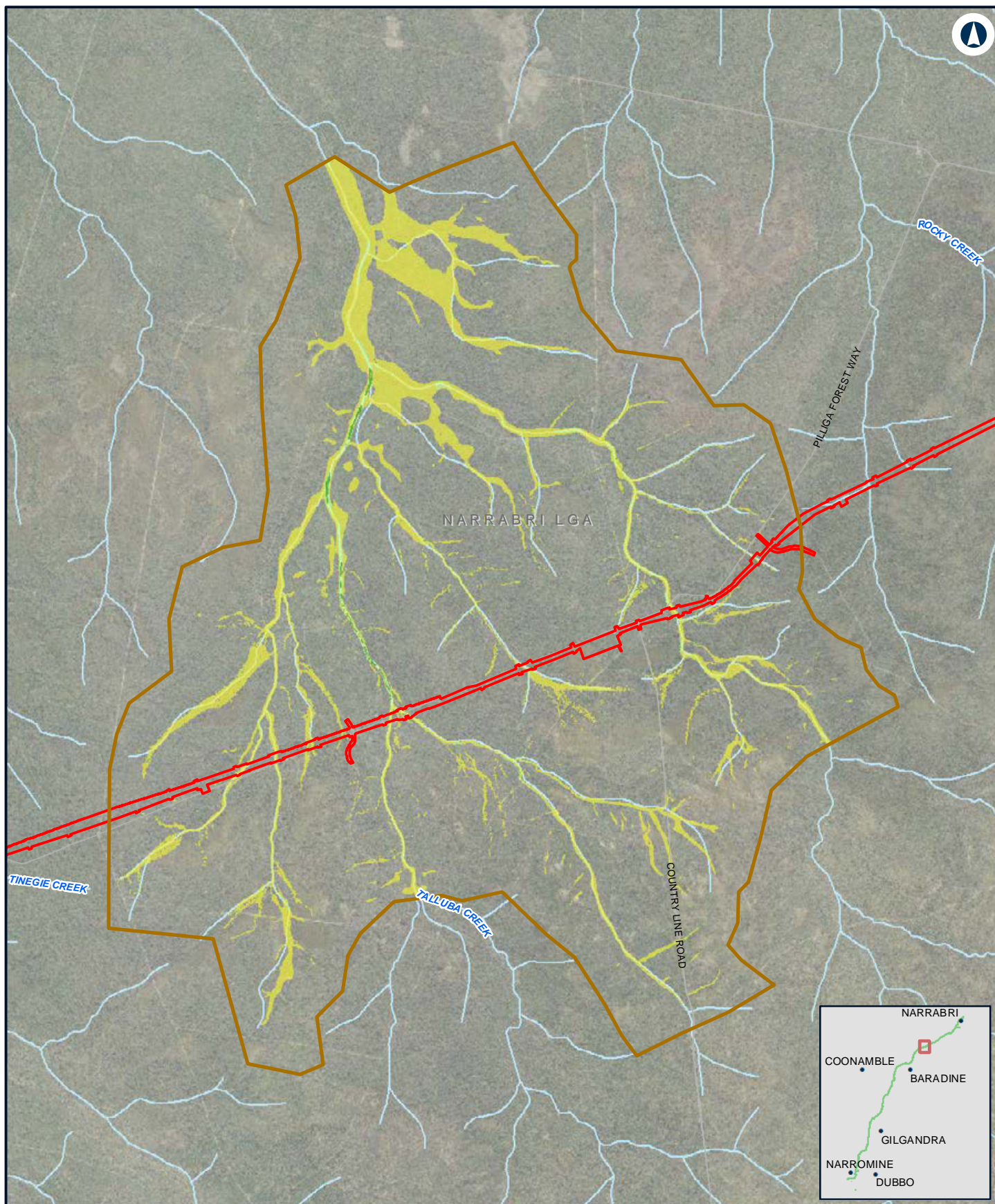
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N5

Appendix D Figure 2.1j

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

Model boundary

Flood velocity

0.0m/s - 1.0m/s

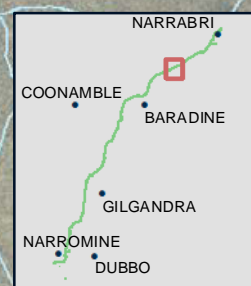
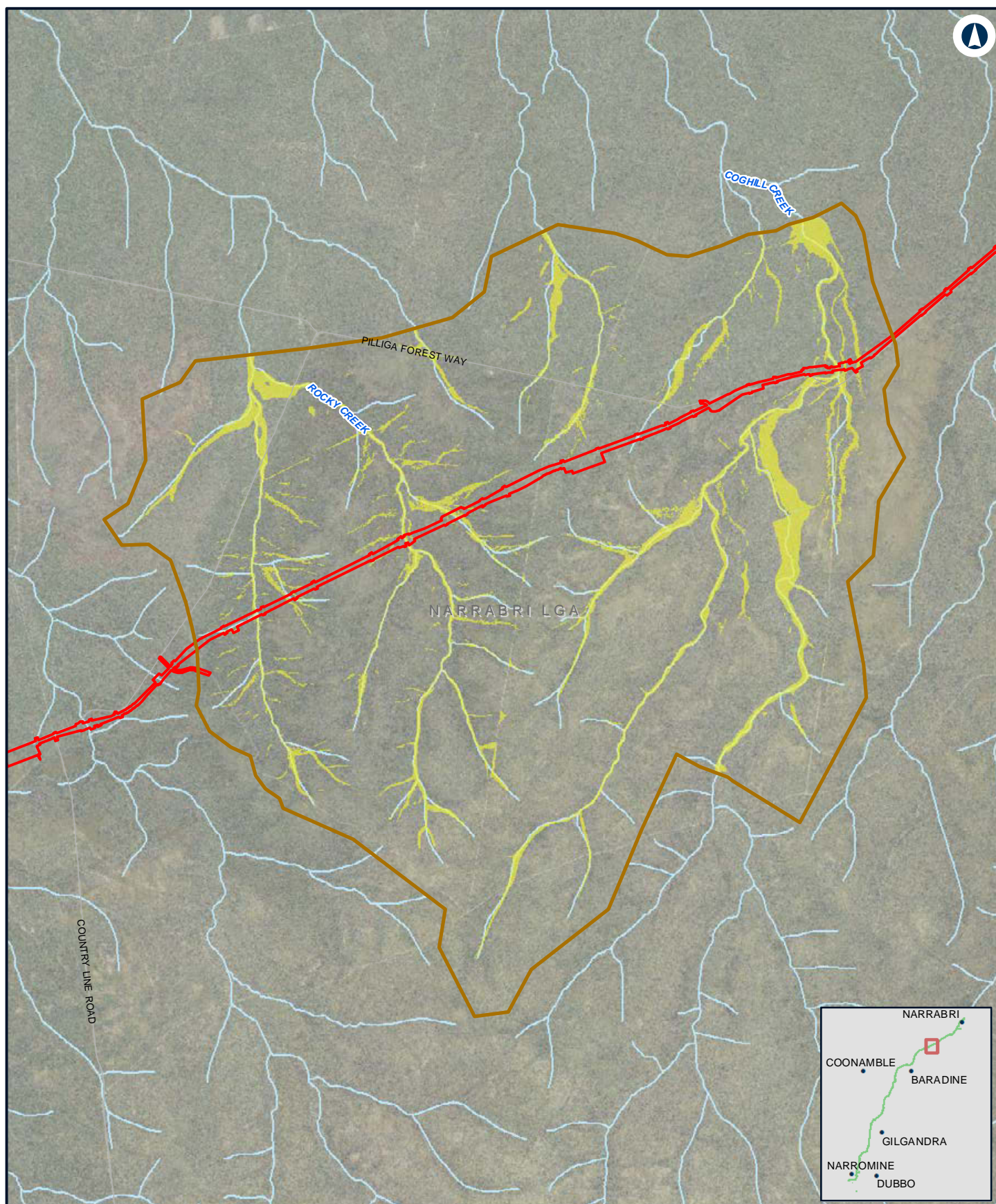
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 20% AEP - N2N4

Appendix D Figure 2.1k

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 velocity

0.0m/s - 1.0m/s

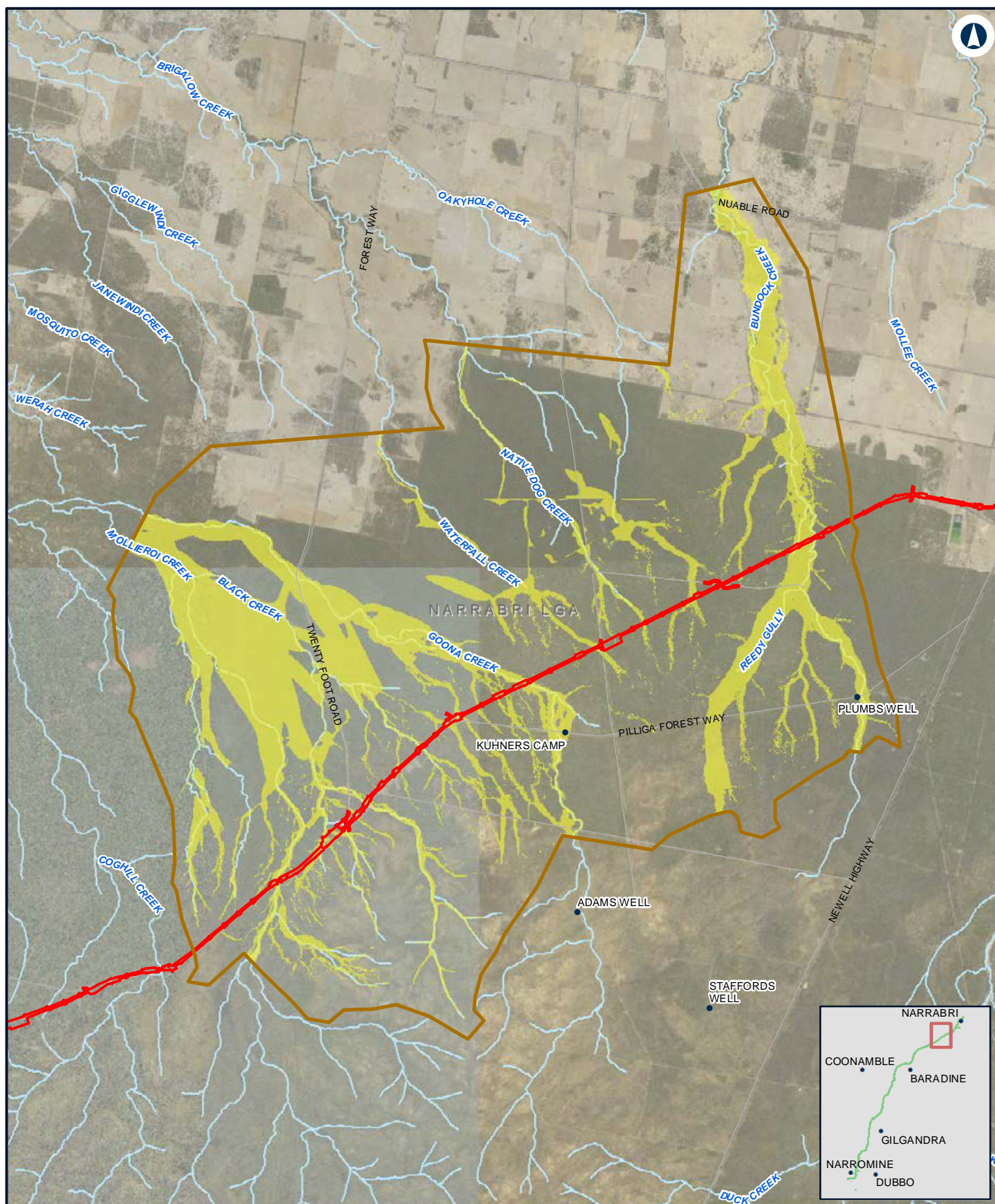
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARRABRI TO NARRABRI

Existing peak velocity - 20% AEP - N2N23

Appendix D Figure 2.11

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 velocity

0.0m/s - 1.0m/s

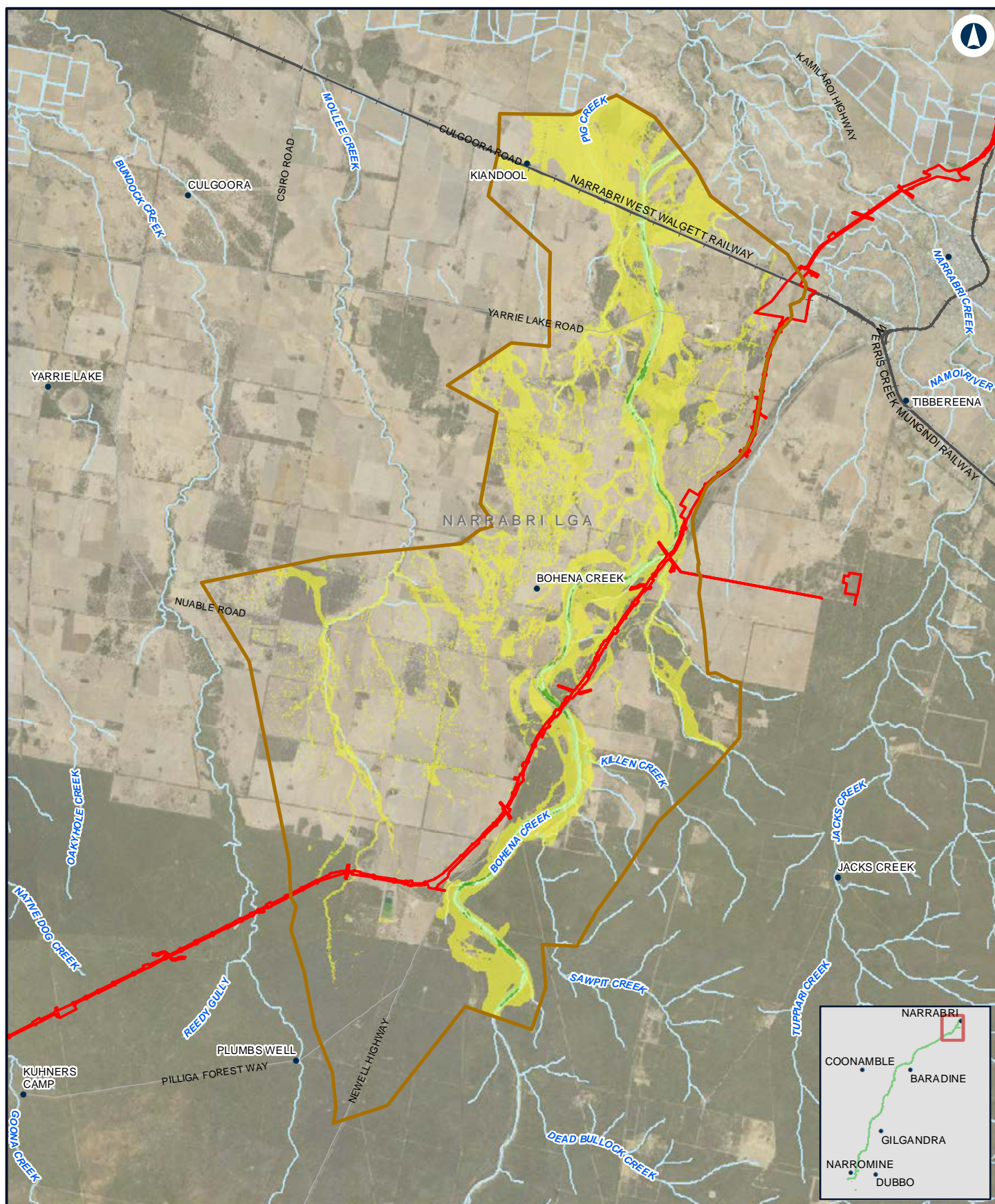
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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Narromine to Narrabri

Existing peak velocity - 20% AEP - N2N1

Appendix D Figure 2.1m

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

Flood velocity

0.0m/s - 1.0m/s

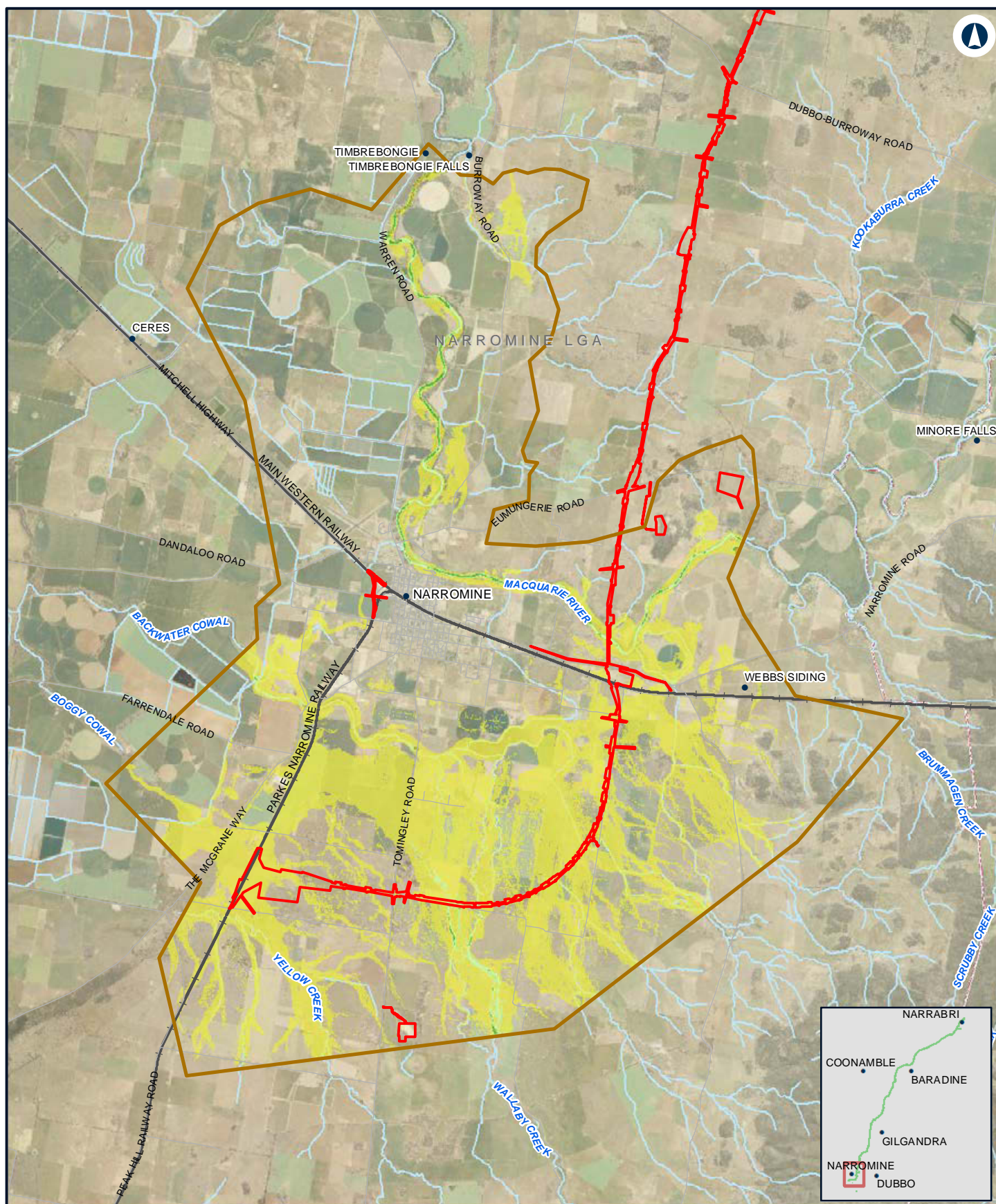
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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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

Flood velocity

0.0m/s - 1.0m/s

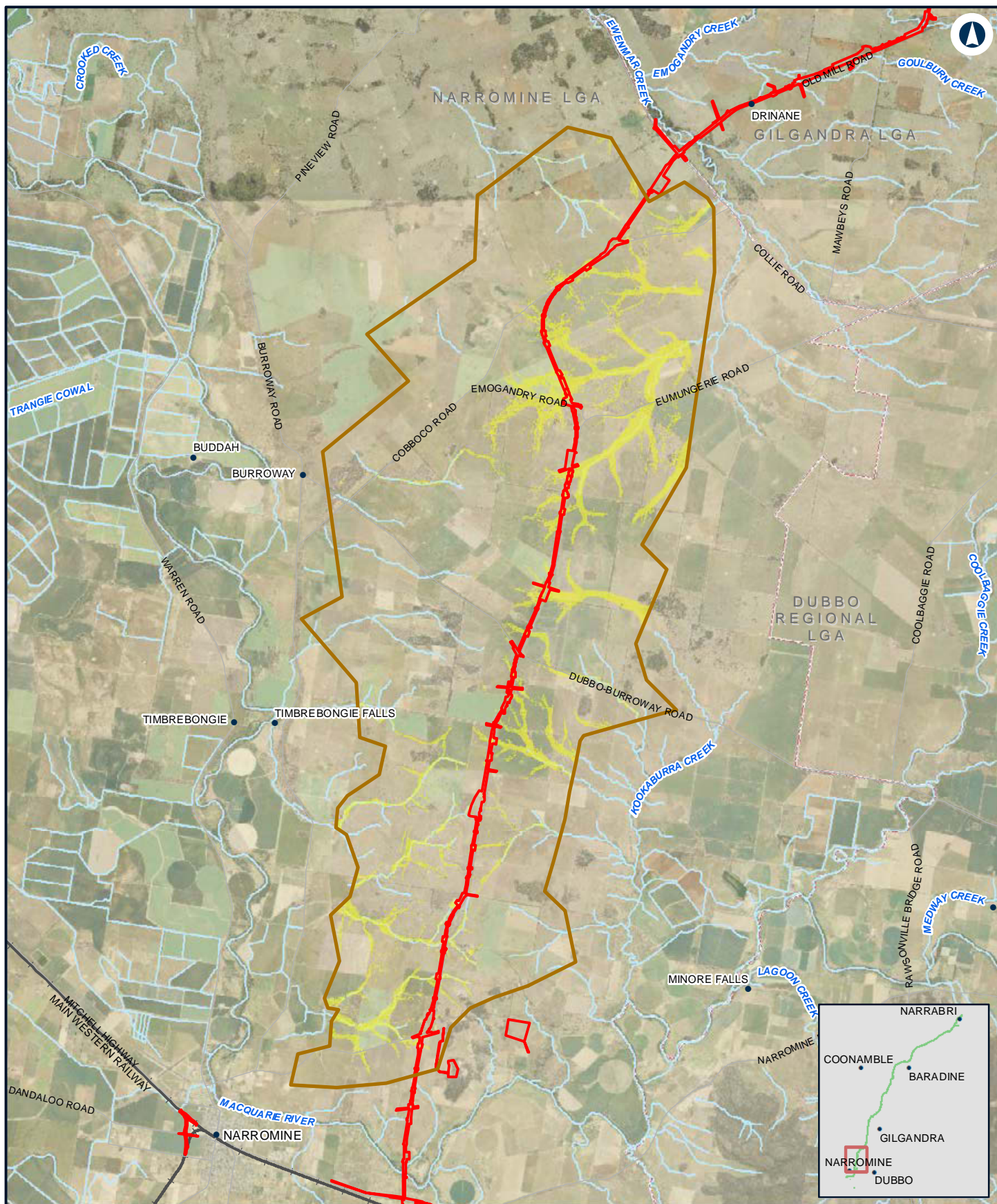
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N14

Appendix D - Figure 2.2b

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 velocity

0.0m/s - 1.0m/s

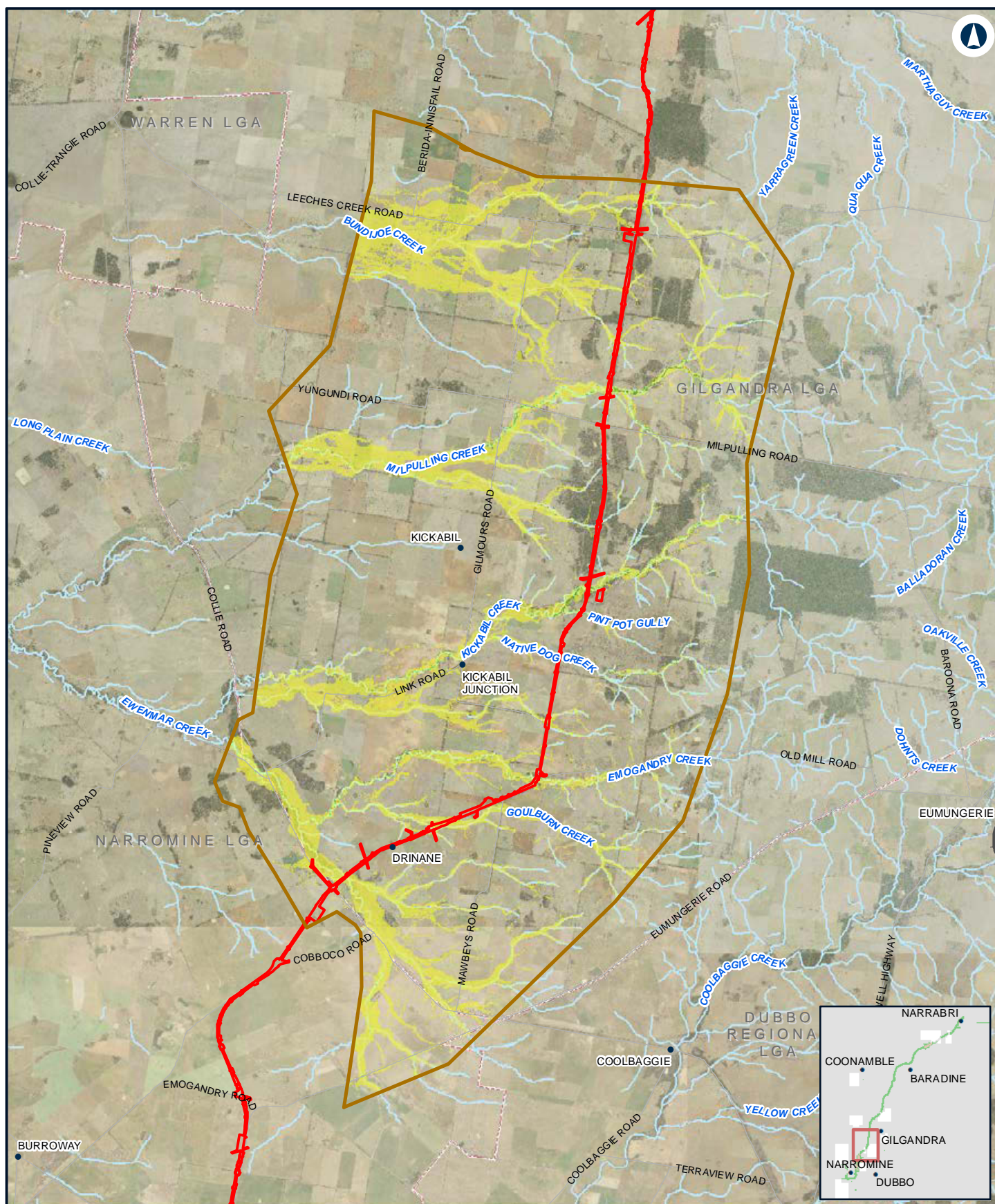
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N13

Appendix D - Figure 2.2c

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

Flood velocity

0.0m/s - 1.0m/s

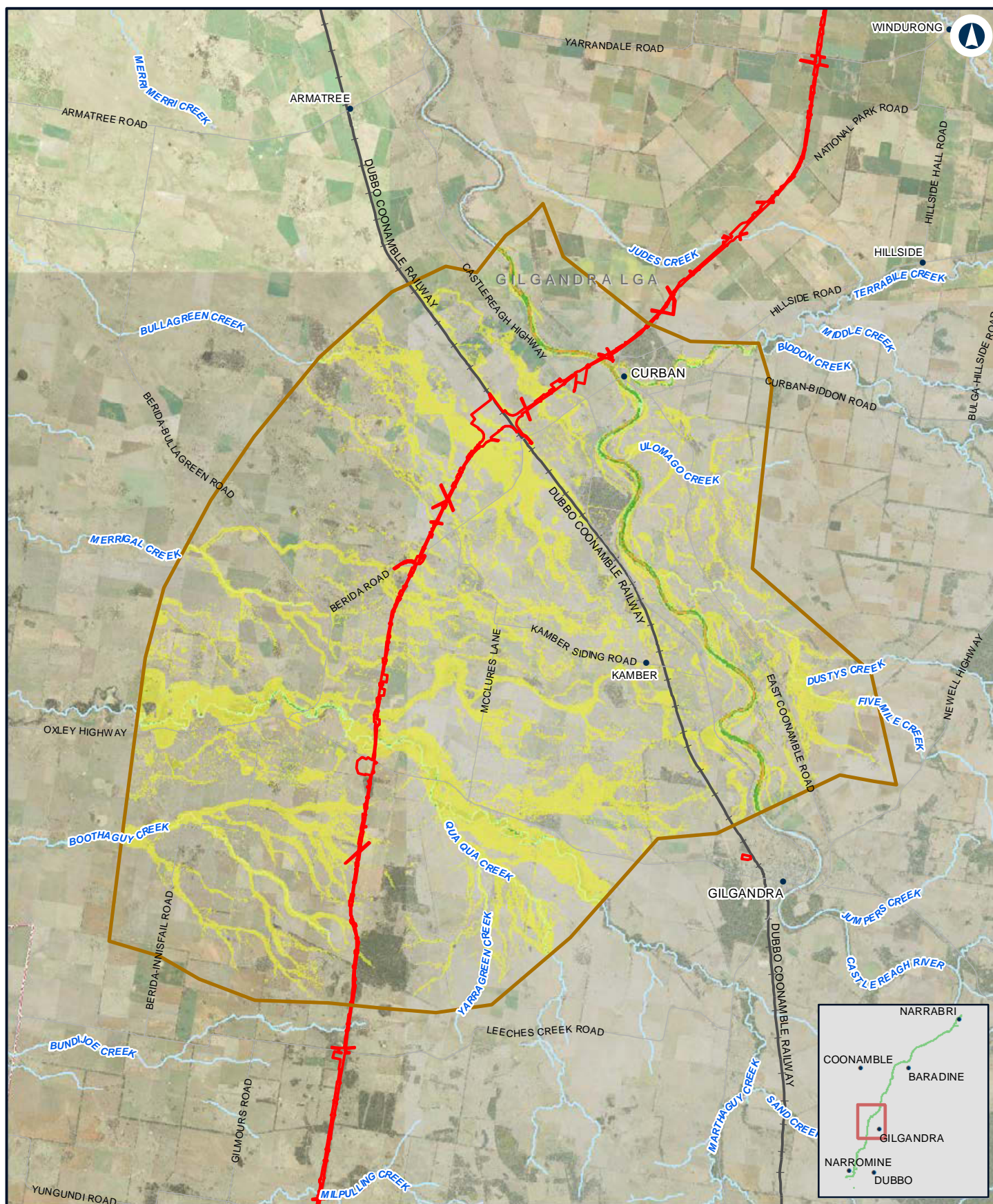
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N11N12

Appendix D - Figure 2.2d

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

 Model boundary

Flood velocity

0.0m/s - 1.0m/s

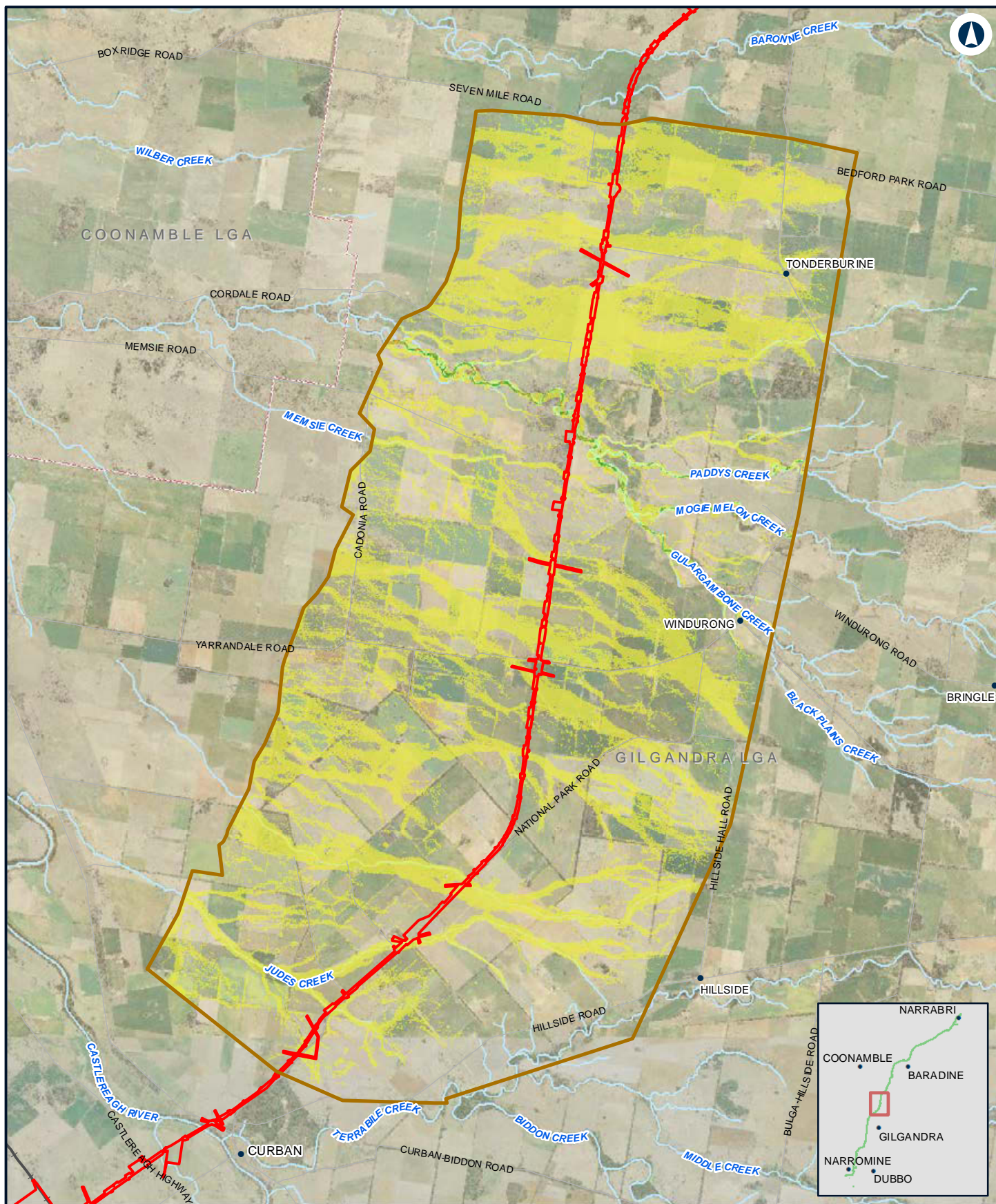
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N10

Appendix D - Figure 2.2e

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 velocity

0.0m/s - 1.0m/s

1.0m/s - 1.5m/s

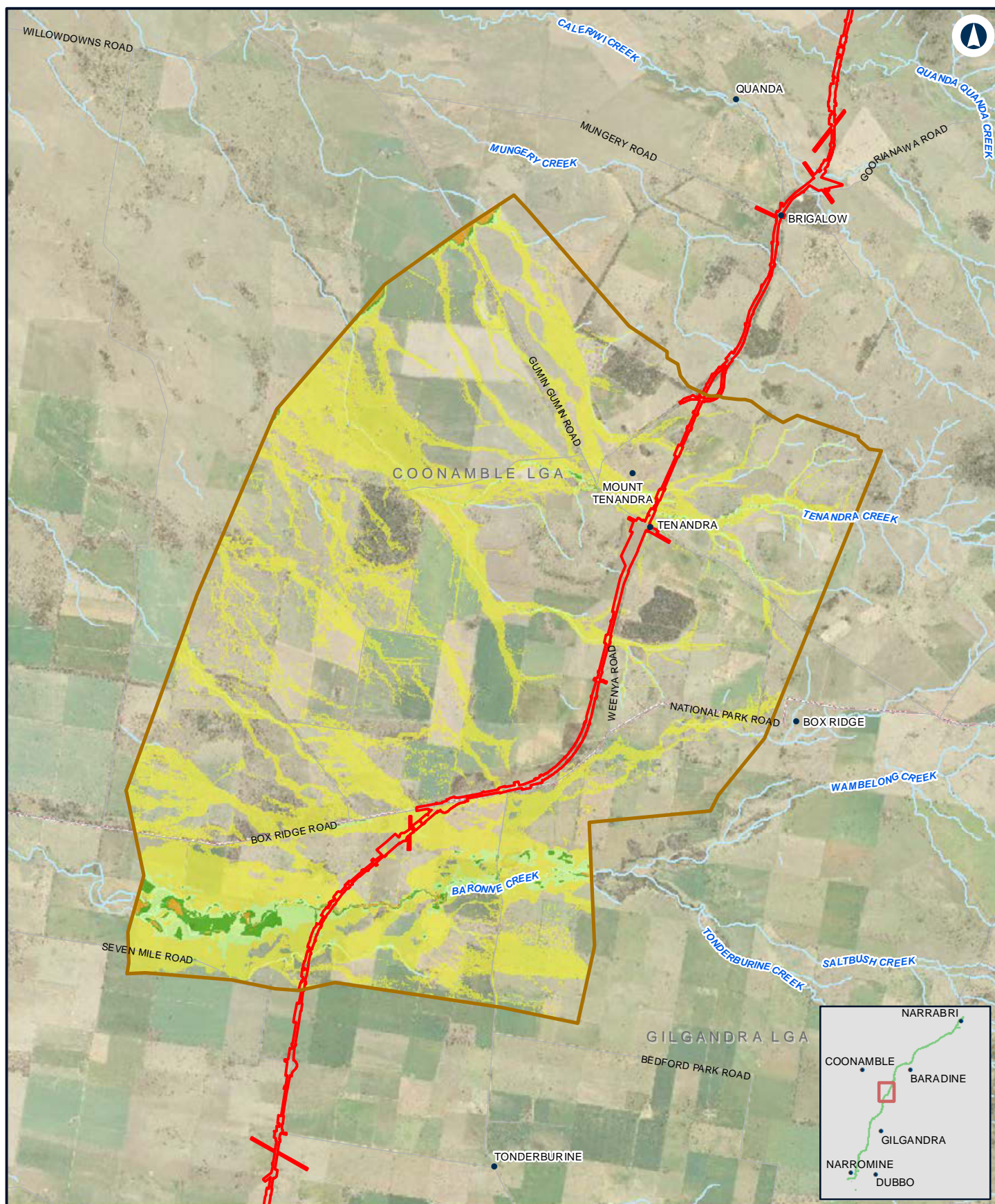
1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N9

Appendix D - Figure 2.2f

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: 1:110,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

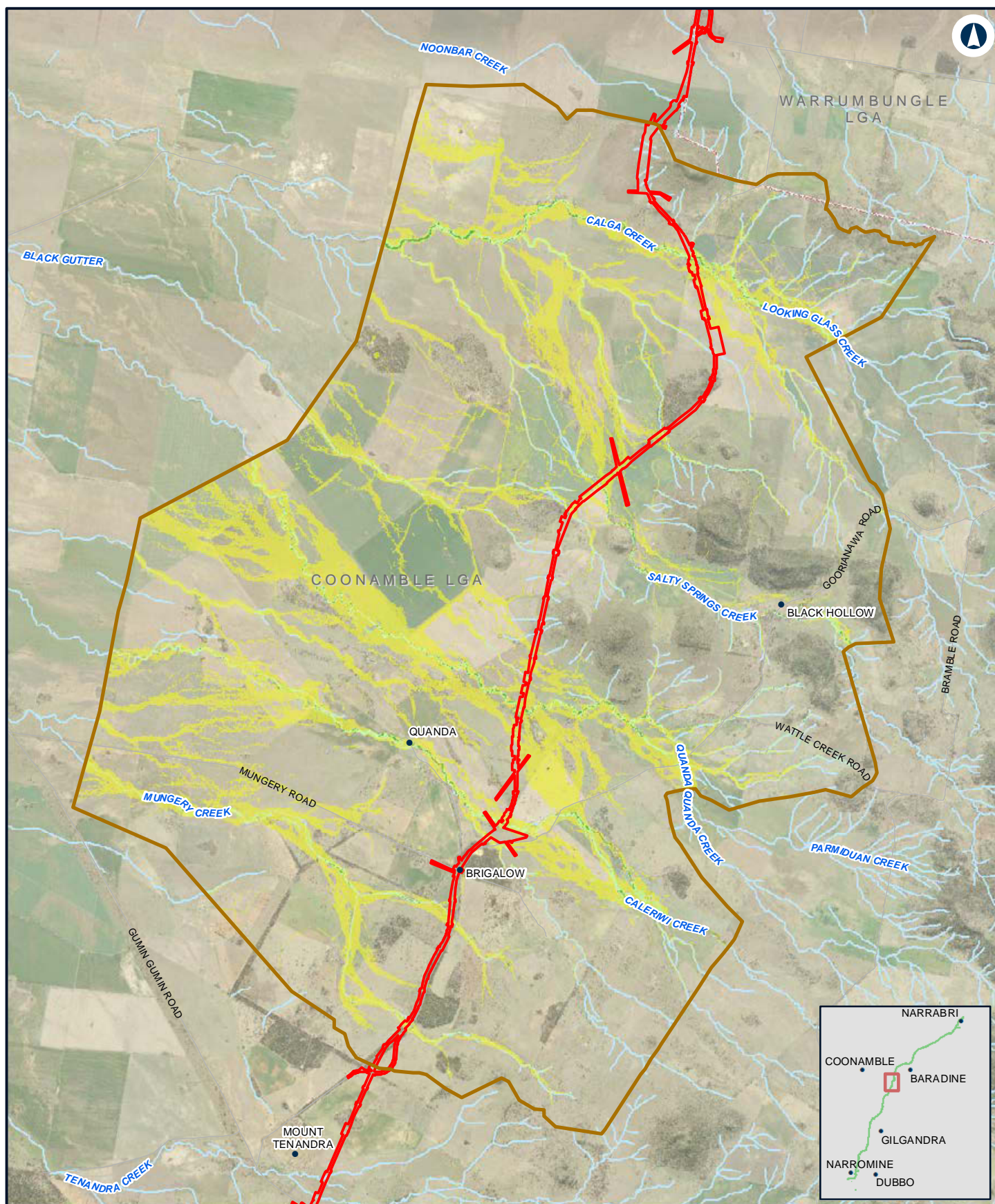
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N8

Appendix D - Figure 2.2g

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 velocity

0.0m/s - 1.0m/s

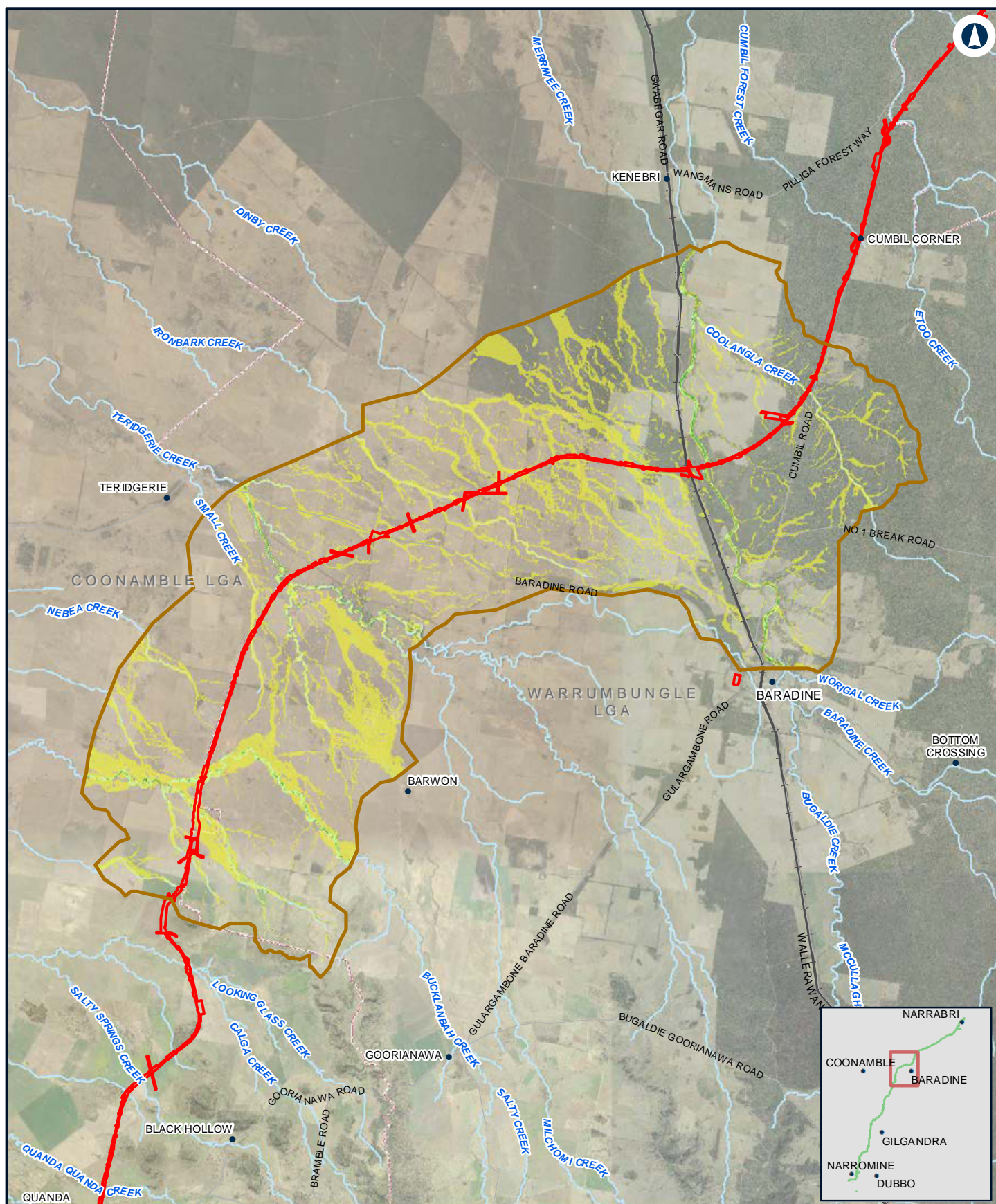
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N7

Appendix D - Figure 2.2h

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

Flood velocity

0.0m/s - 1.0m/s

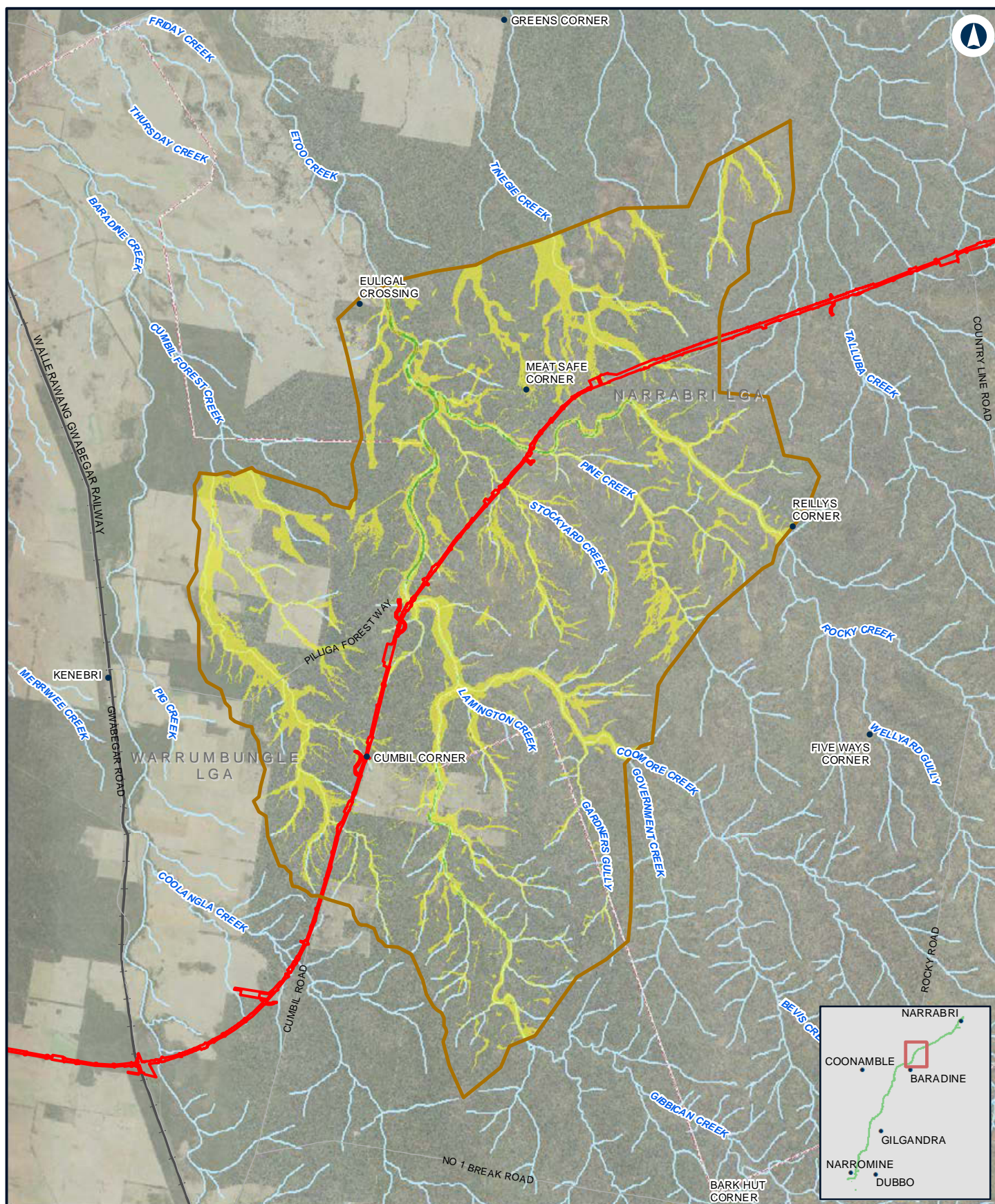
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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 peak velocity - 5% AEP - N2N6

Appendix D - Figure 2.2i

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 velocity

0.0m/s - 1.0m/s

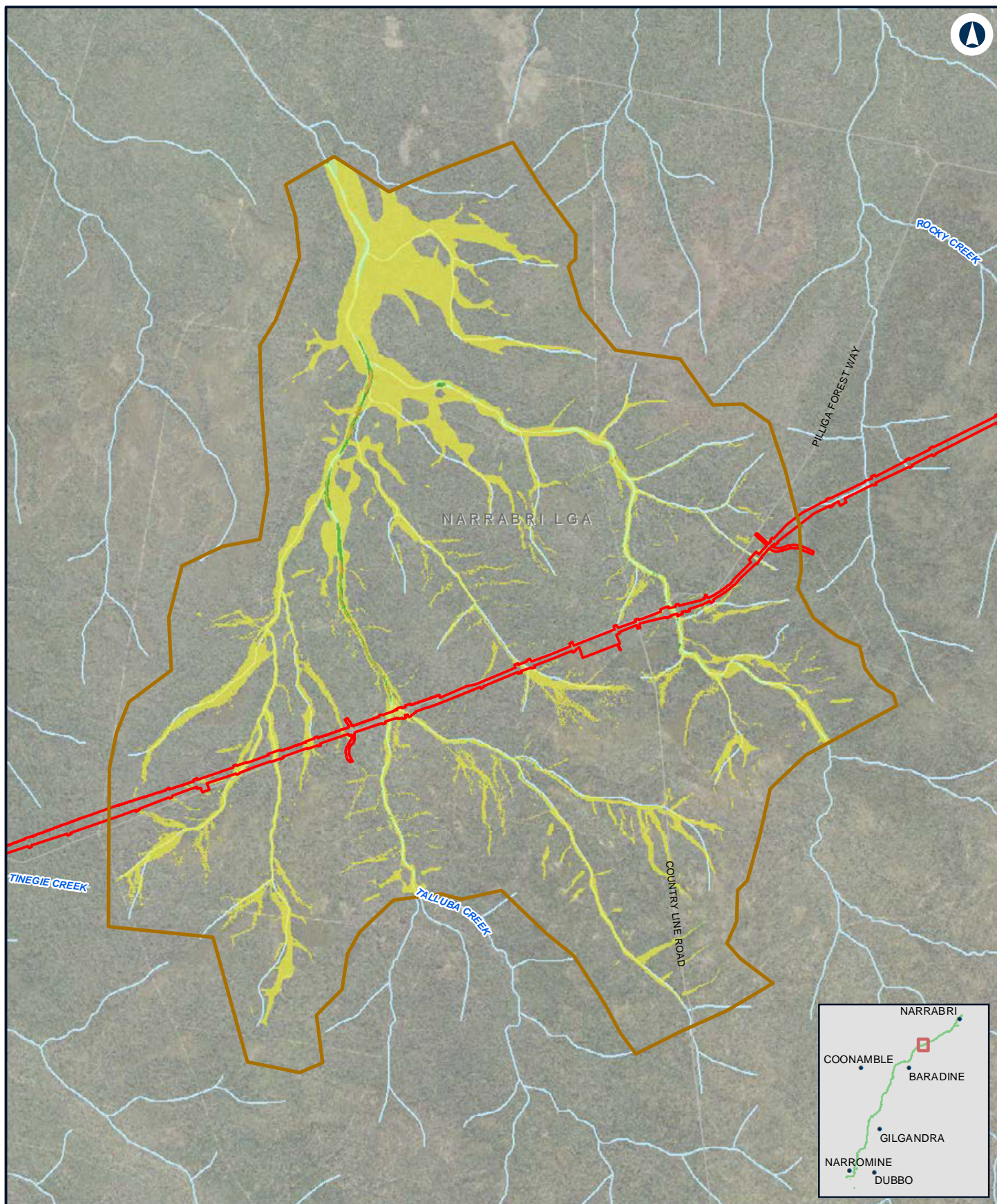
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N5

Appendix D - Figure 2.2j

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

 Model boundary

Flood velocity

0.0m/s - 1.0m/s

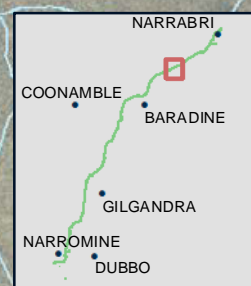
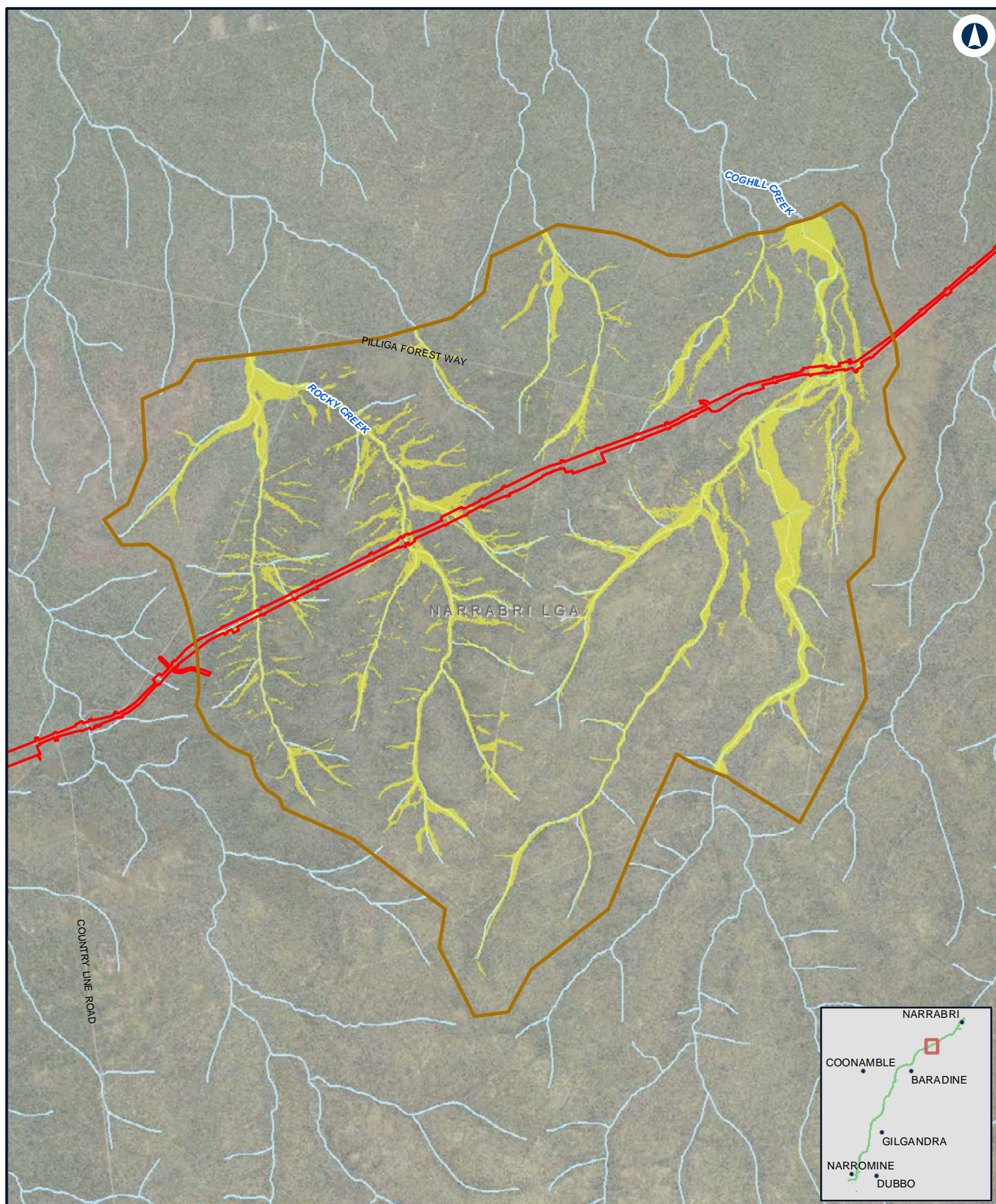
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N4

Appendix D - Figure 2.2k

0 1 2
Km

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

Flood velocity

0.0m/s - 1.0m/s

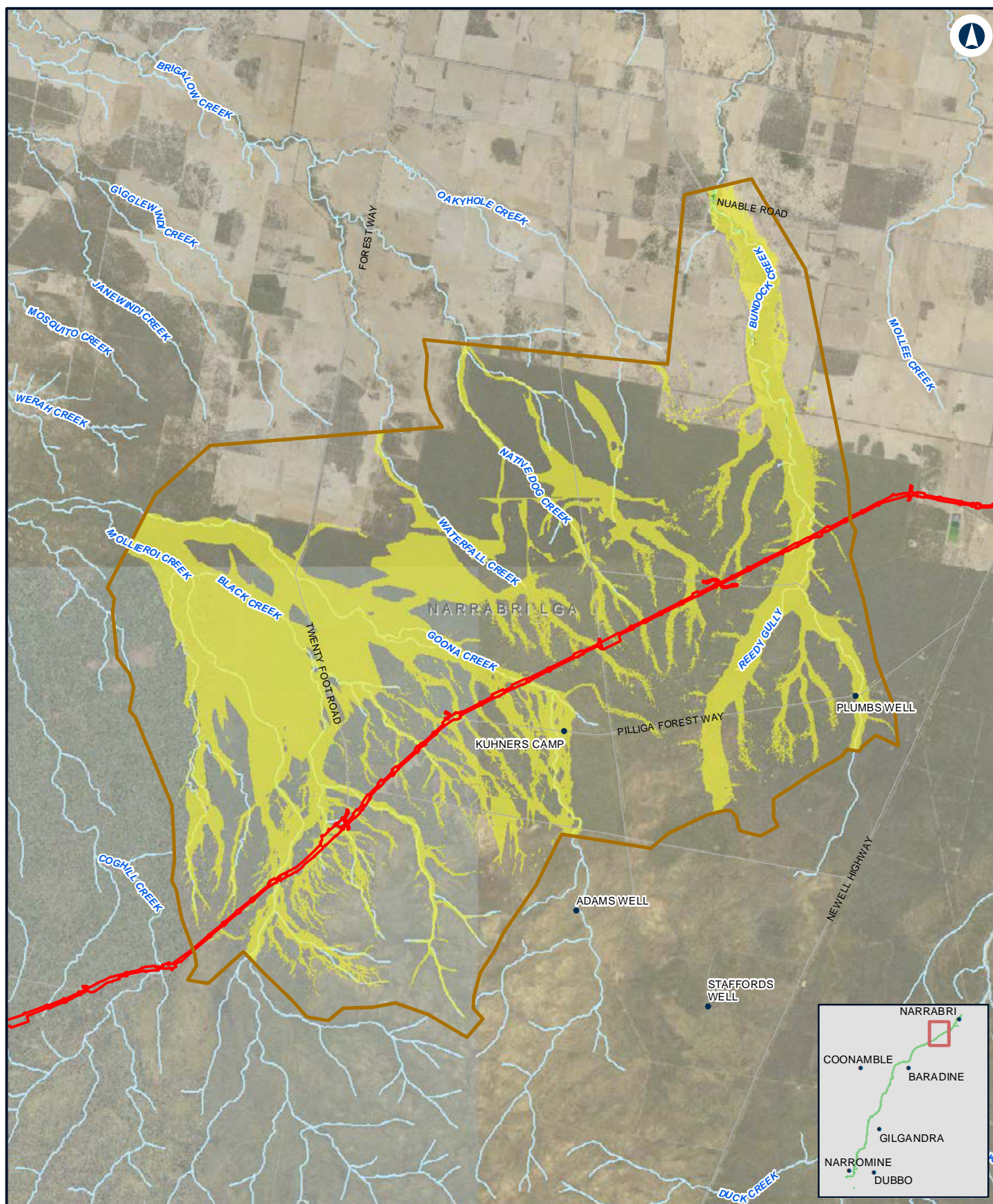
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARRABRI TO NARRABRI

Existing peak velocity - 5% AEP - N2N23

Appendix D - Figure 2.2I

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 velocity

0.0m/s - 1.0m/s

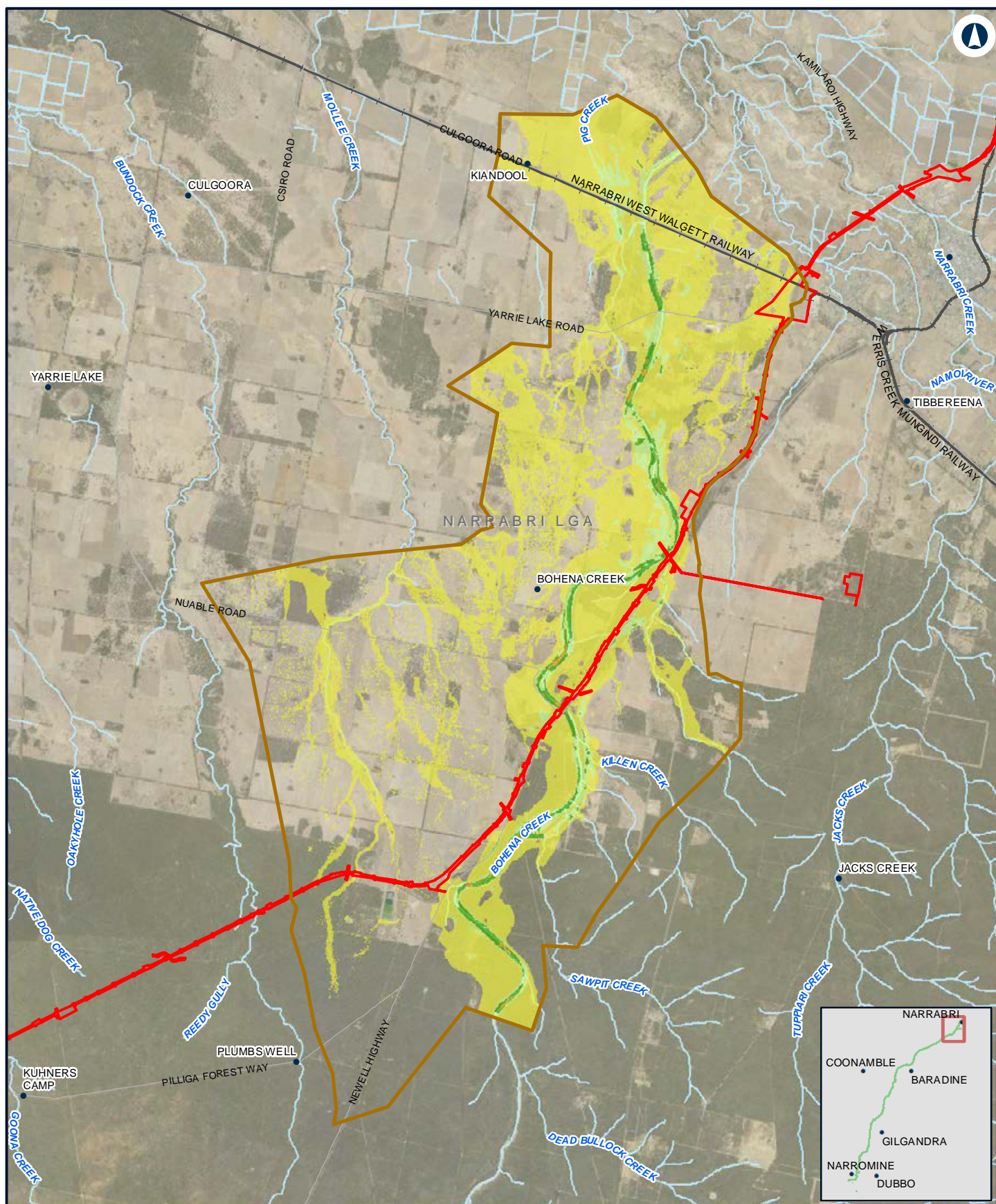
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 5% AEP - N2N1

Appendix D - Figure 2.2m

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 velocity

0.0m/s - 1.0m/s

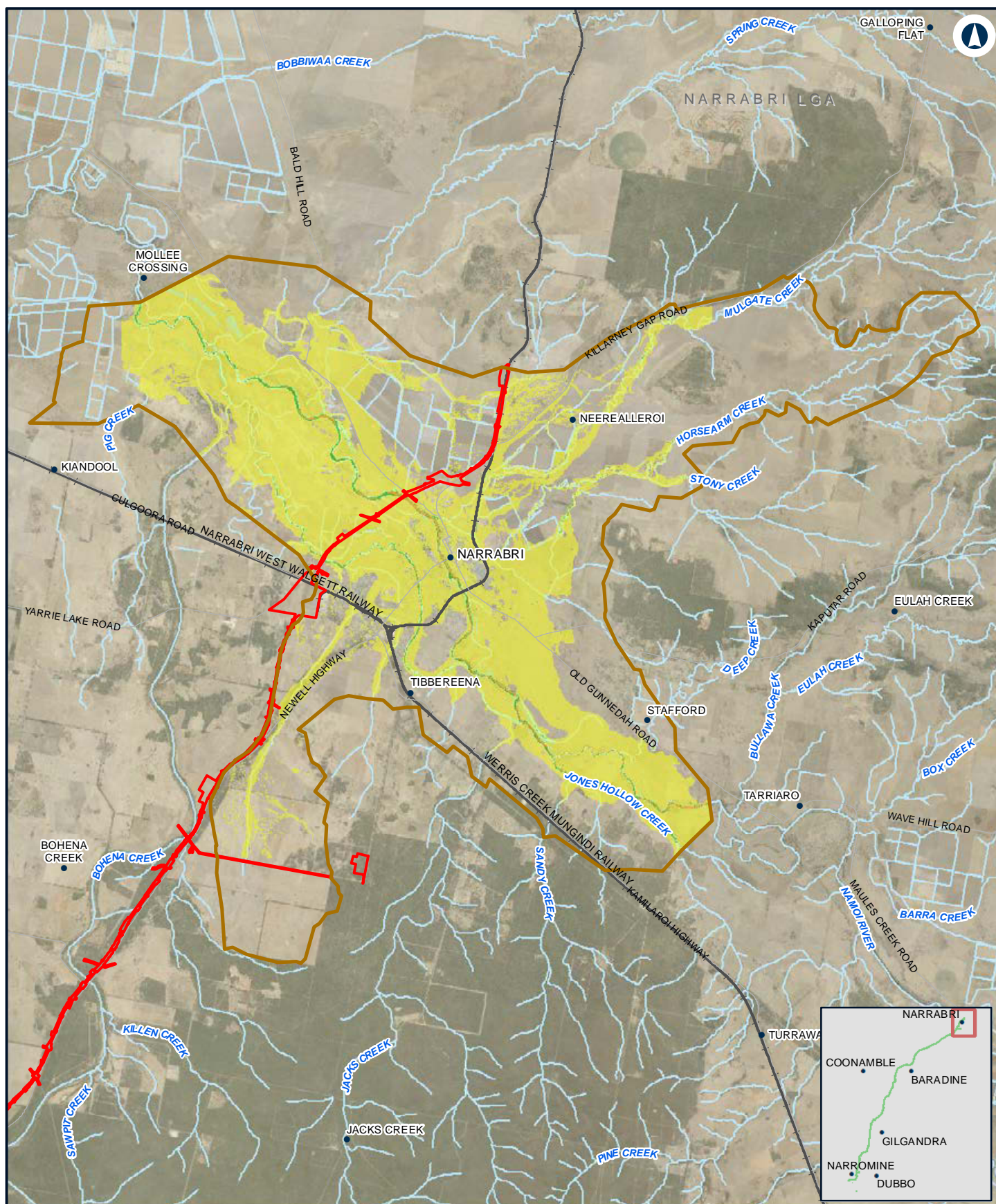
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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Narromine to Narrabri

Existing peak velocity - 5% AEP - Narrabri

Appendix D - Figure 2.2n

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 velocity

0.0m/s - 1.0m/s

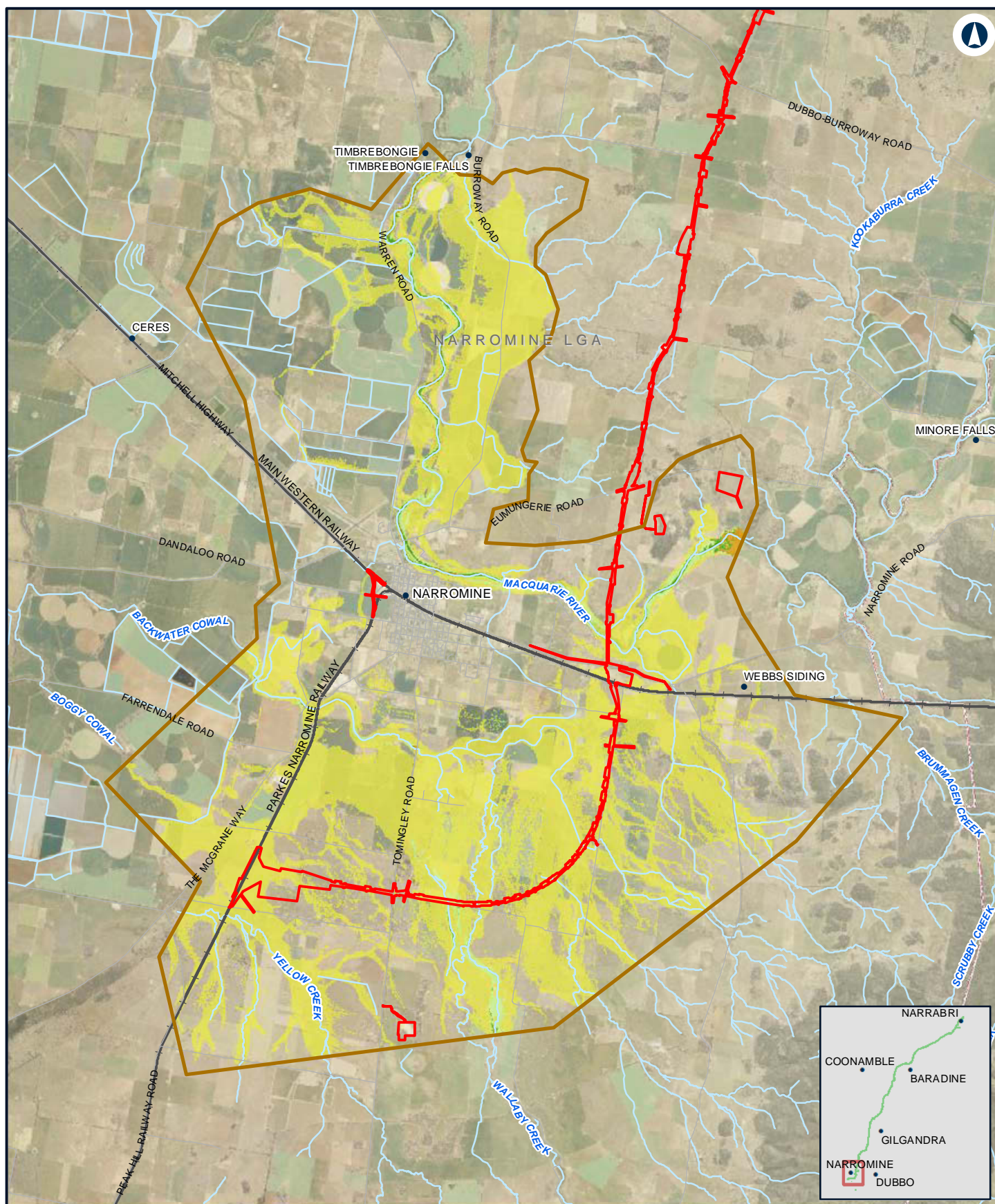
1.0m/s - 1.5m/s

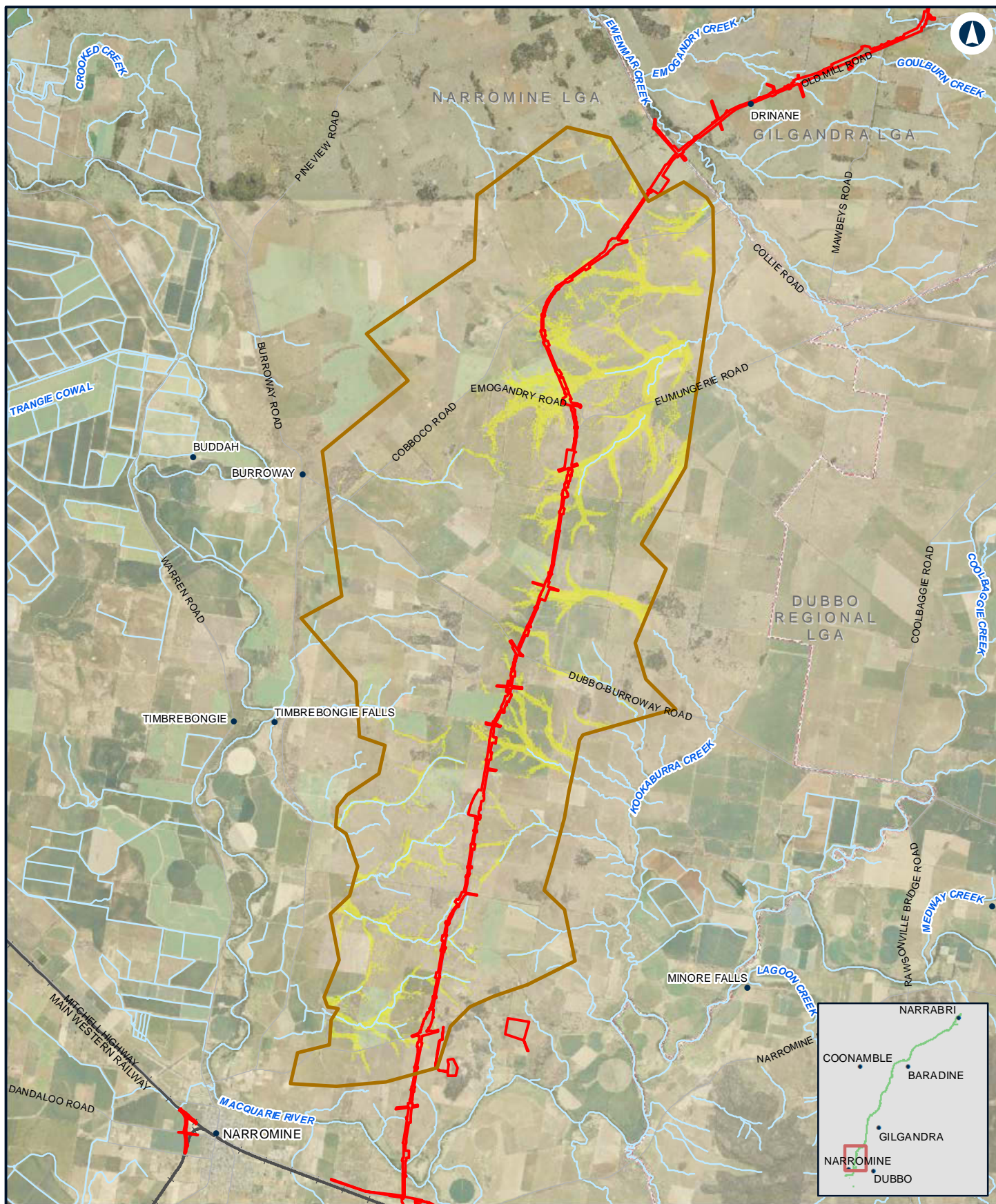
1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N14

Appendix D - Figure 2.3b

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

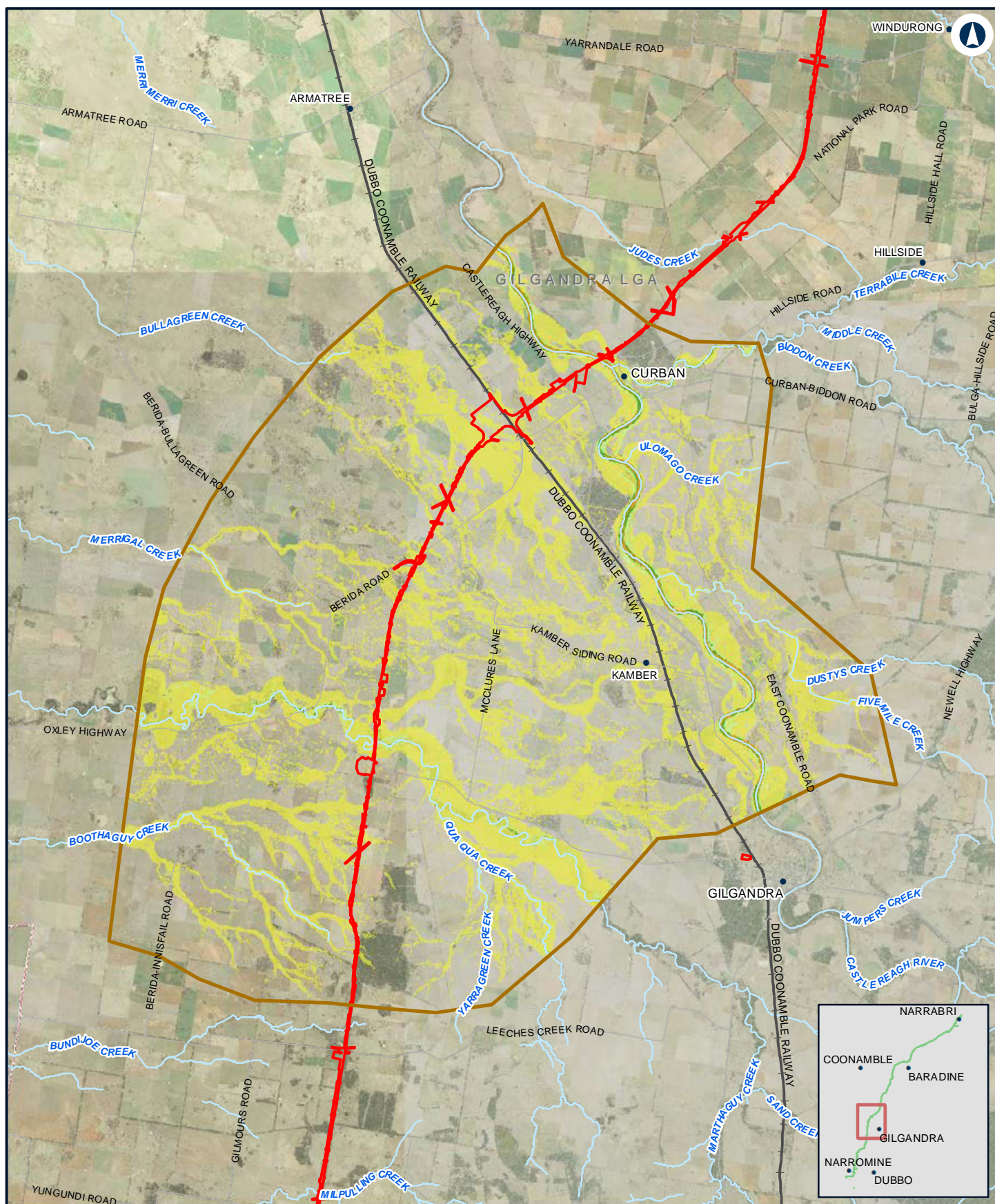
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N11N12

Appendix D - Figure 2.3d

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

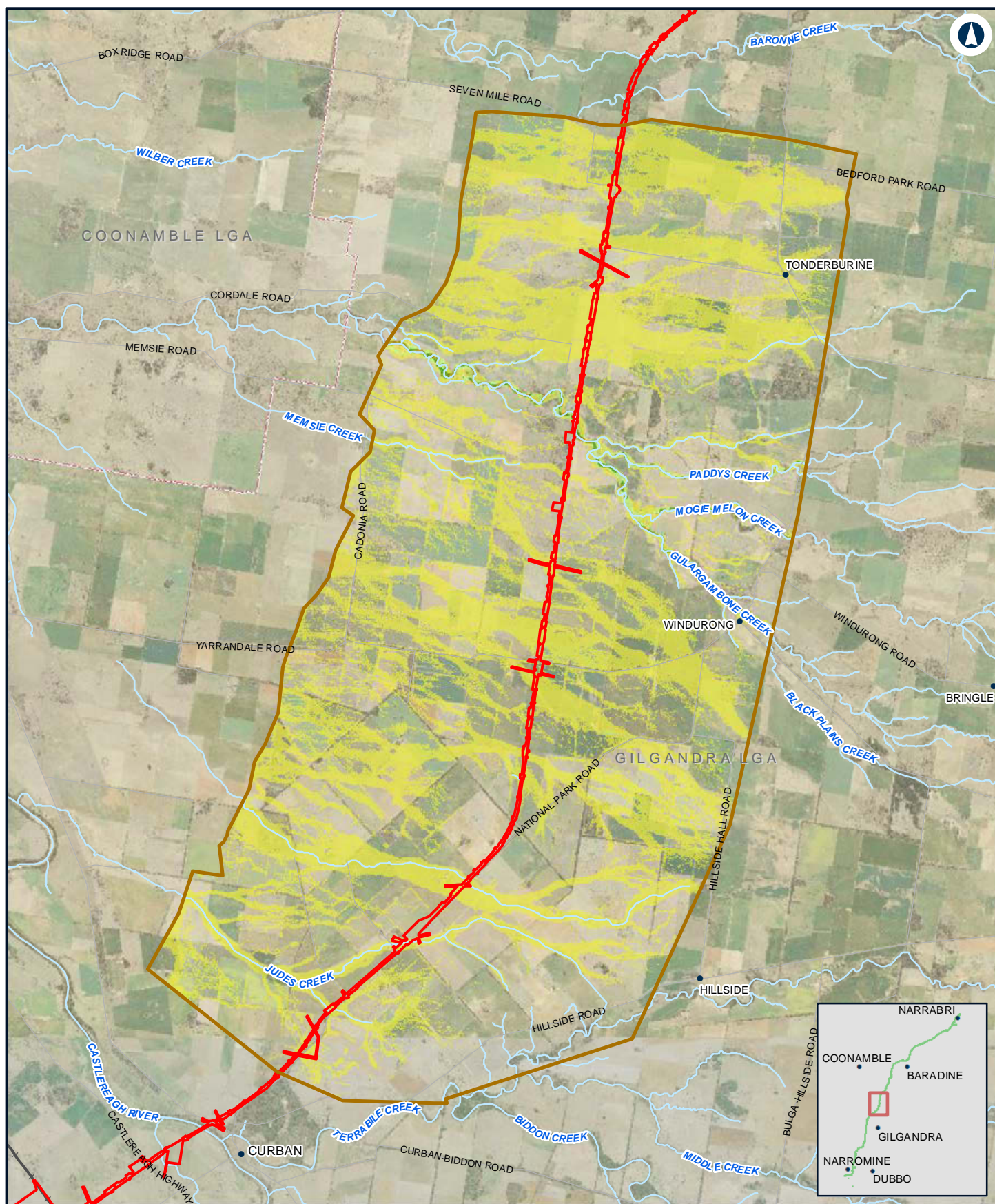
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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Narromine to Narrabri

Existing peak velocity - 2% AEP - N2N10

Appendix D - Figure 2.3e

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

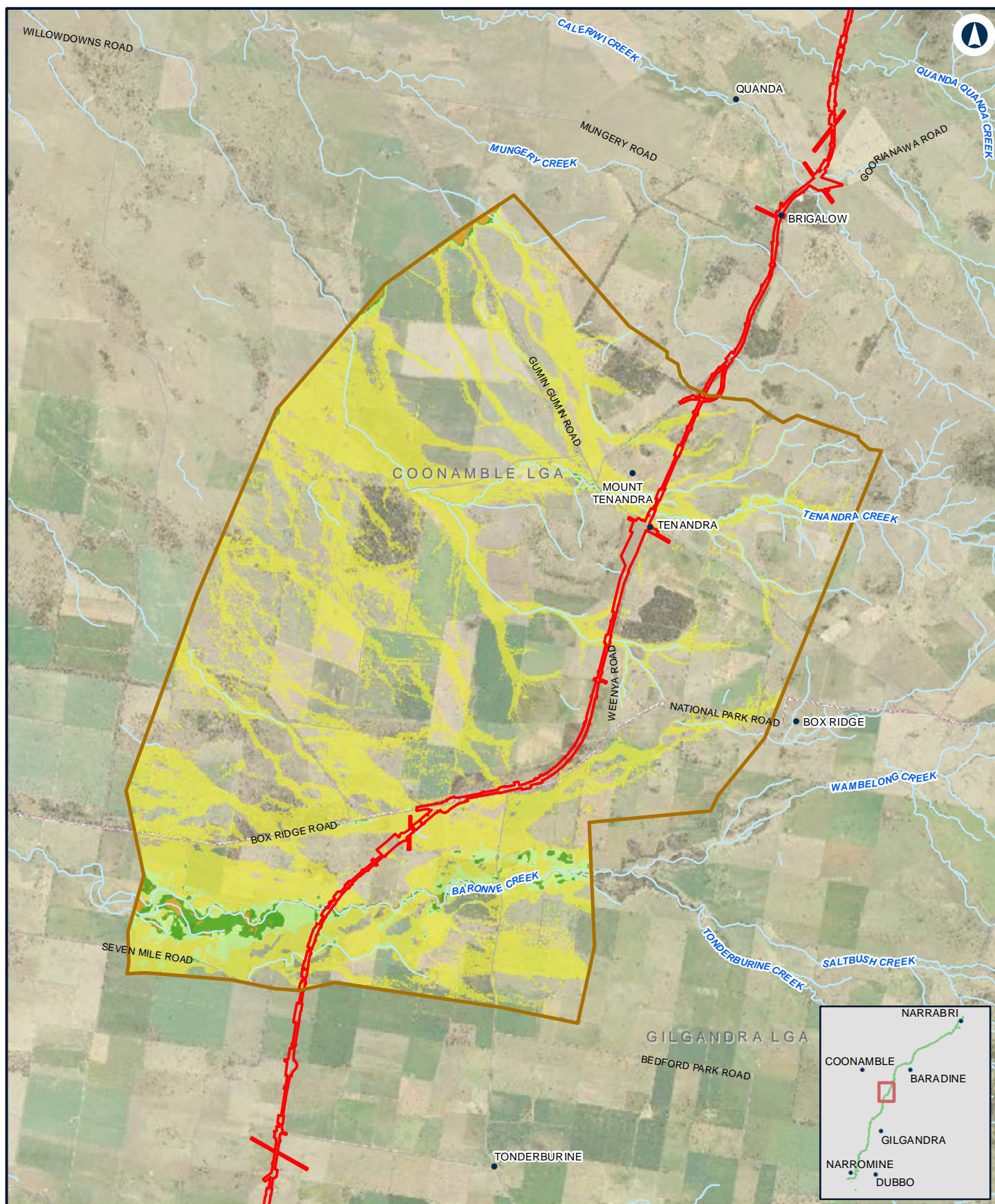
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N9

Appendix D - Figure 2.3f

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

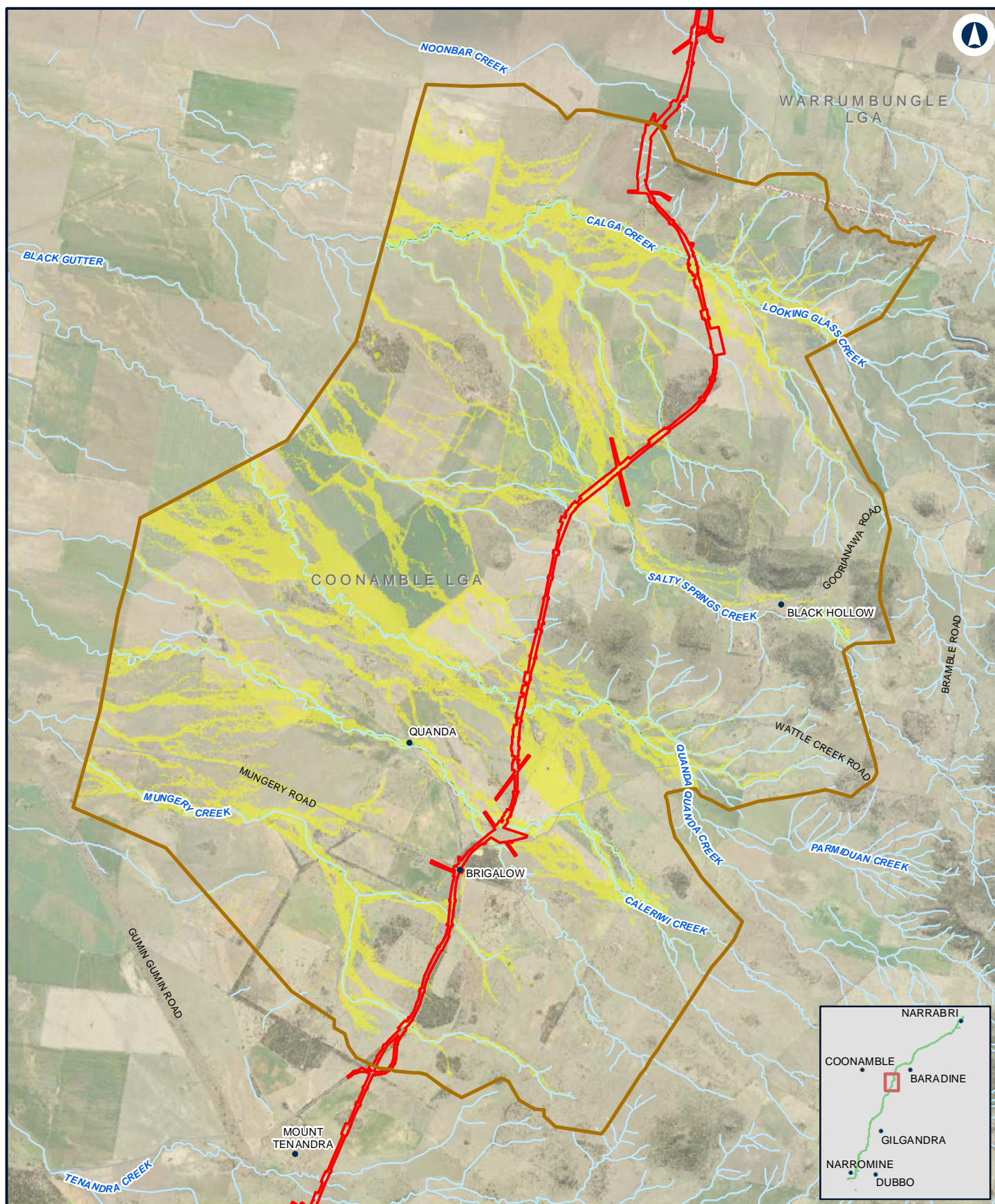
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N8

Appendix D - Figure 2.3g

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

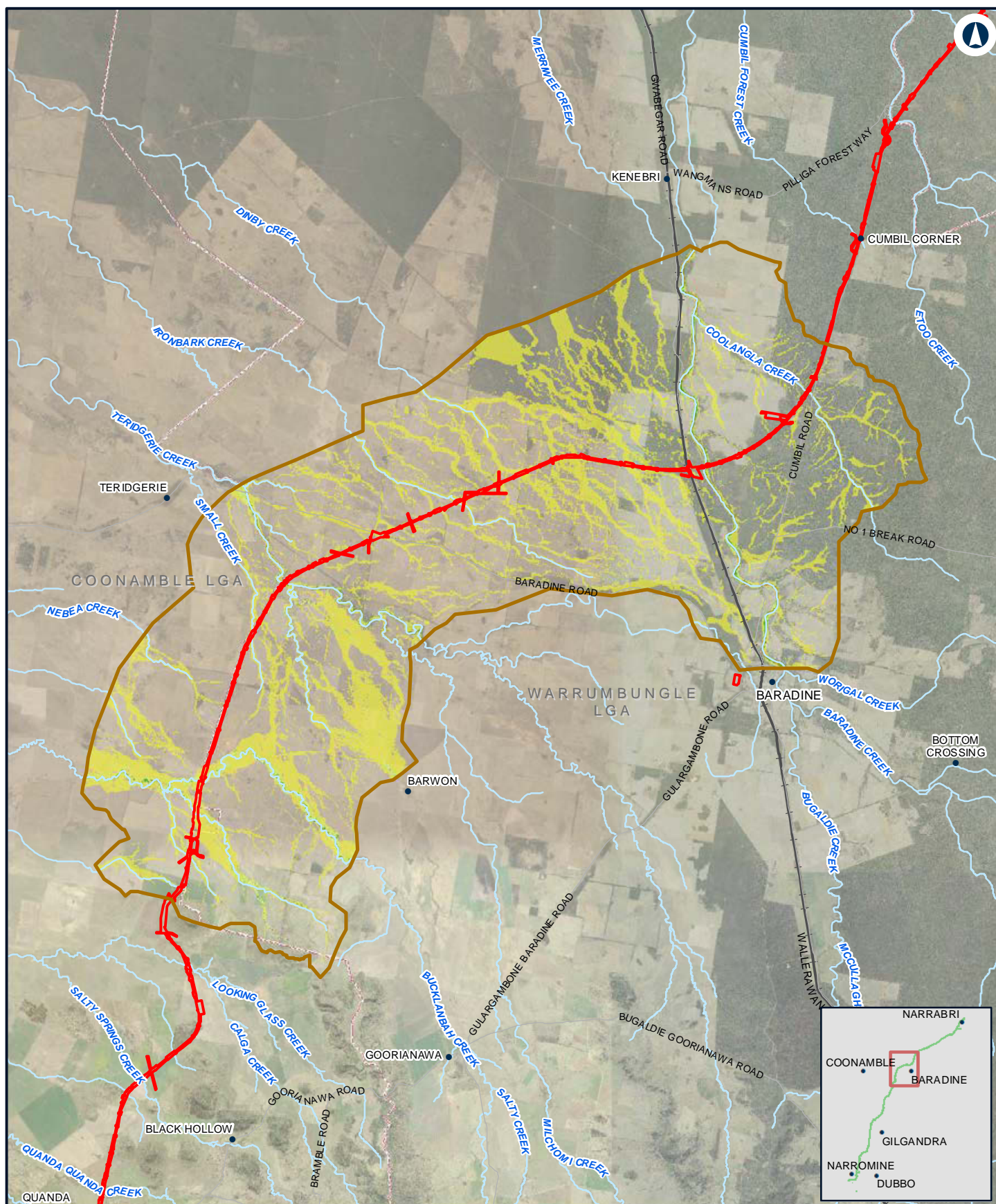
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N7

Appendix D - Figure 2.3h

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

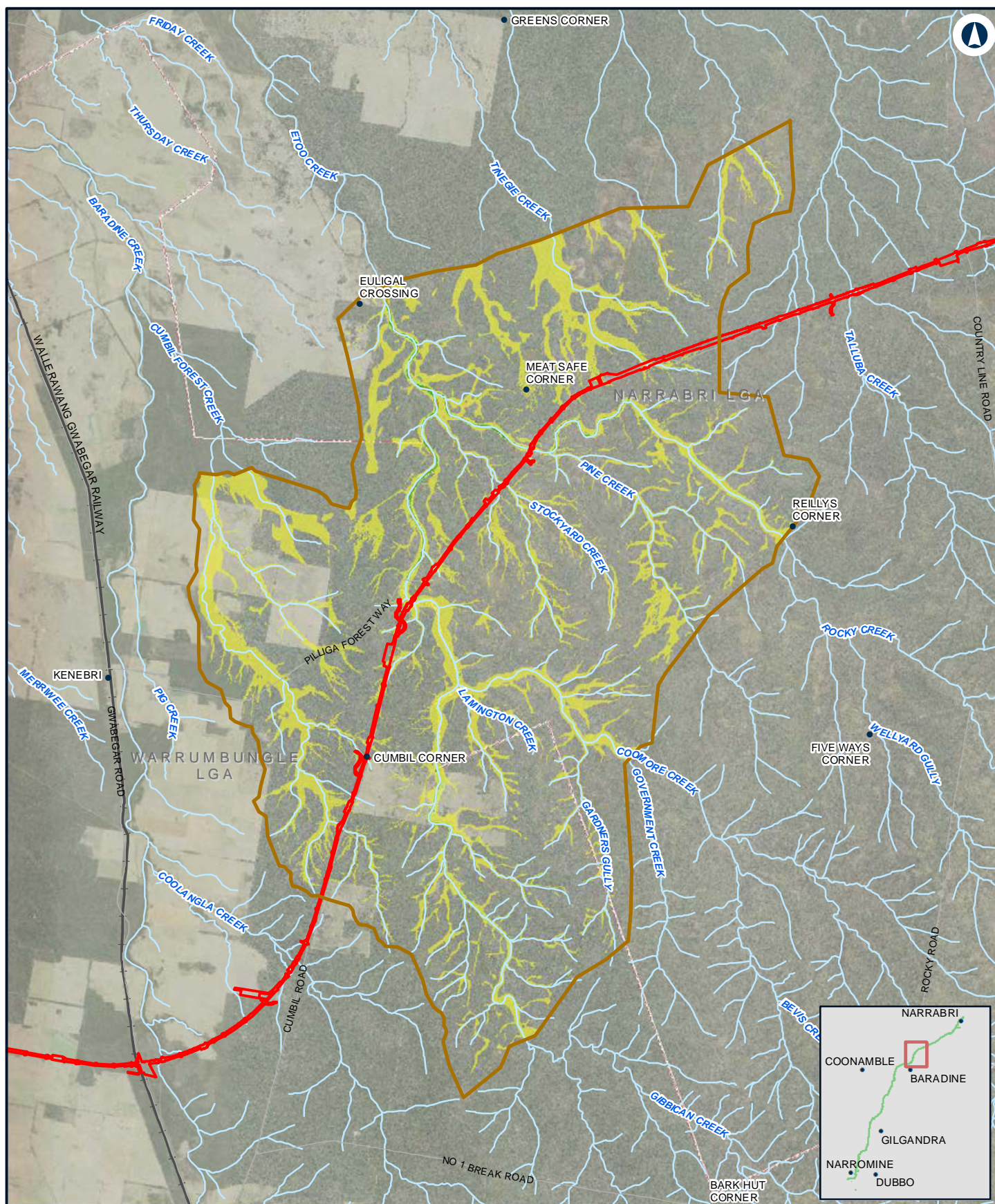
- Model boundary
- The proposal site

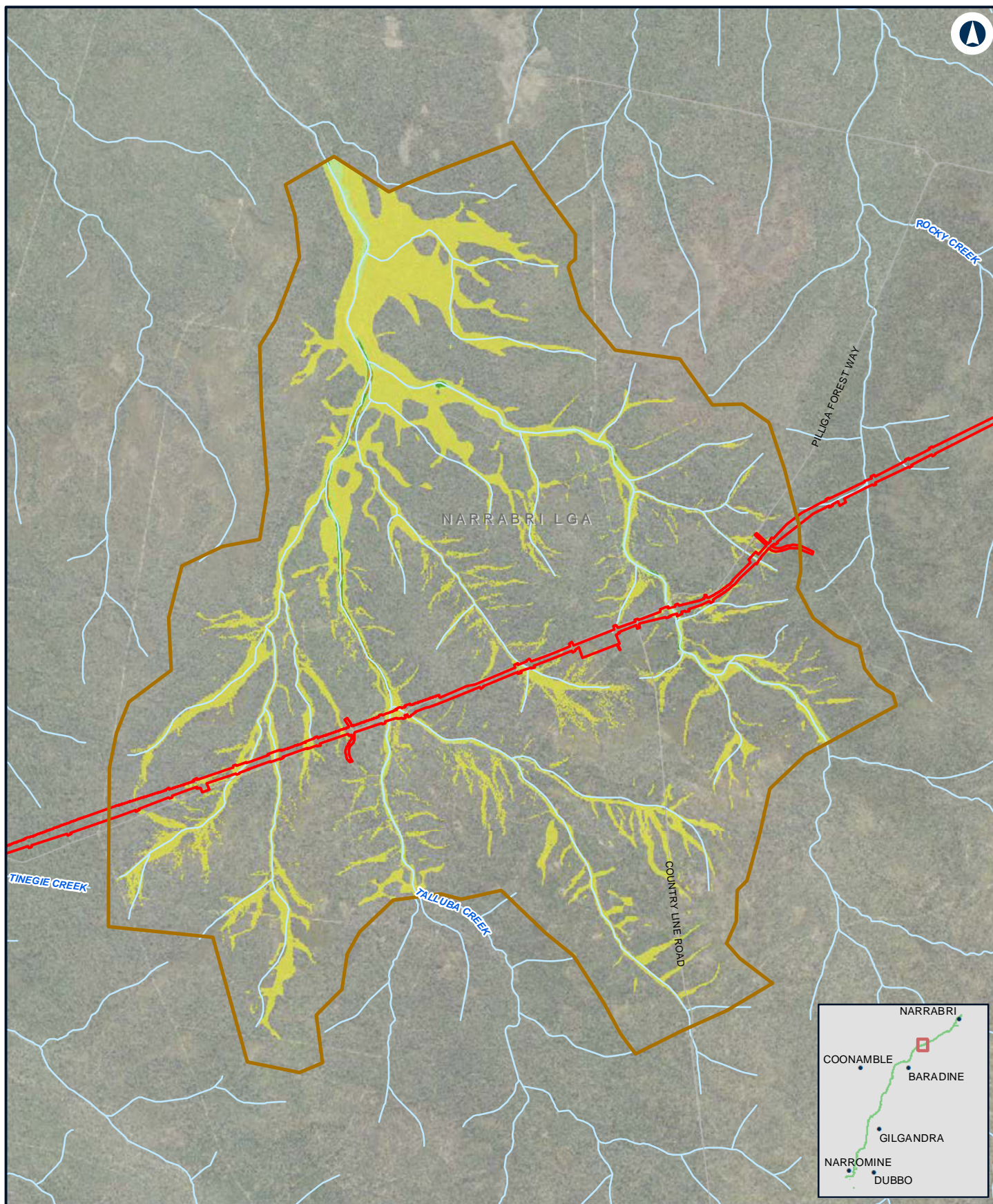
Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N5

Appendix D - Figure 2.3j

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

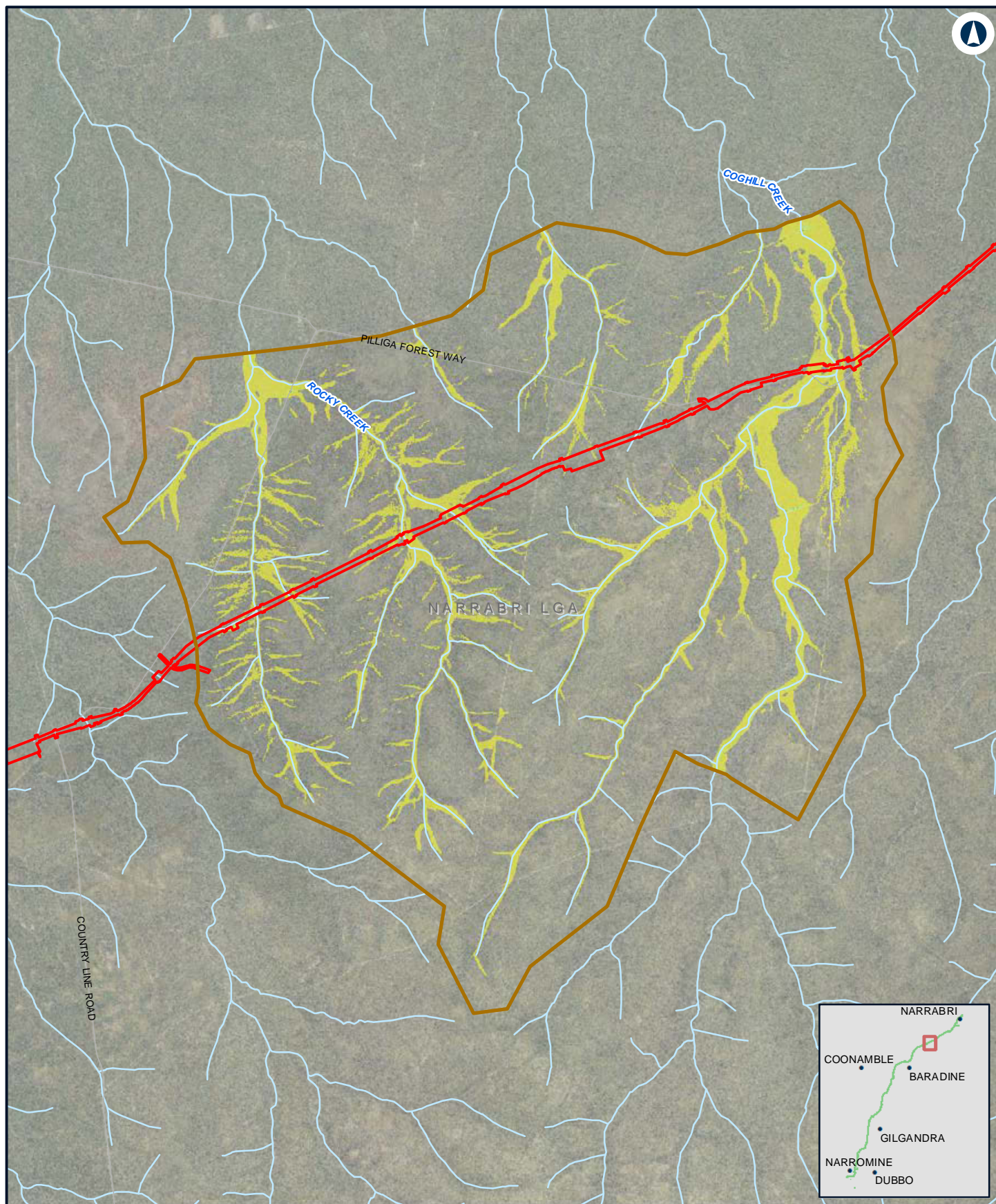
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N4

Appendix D - Figure 2.3k

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

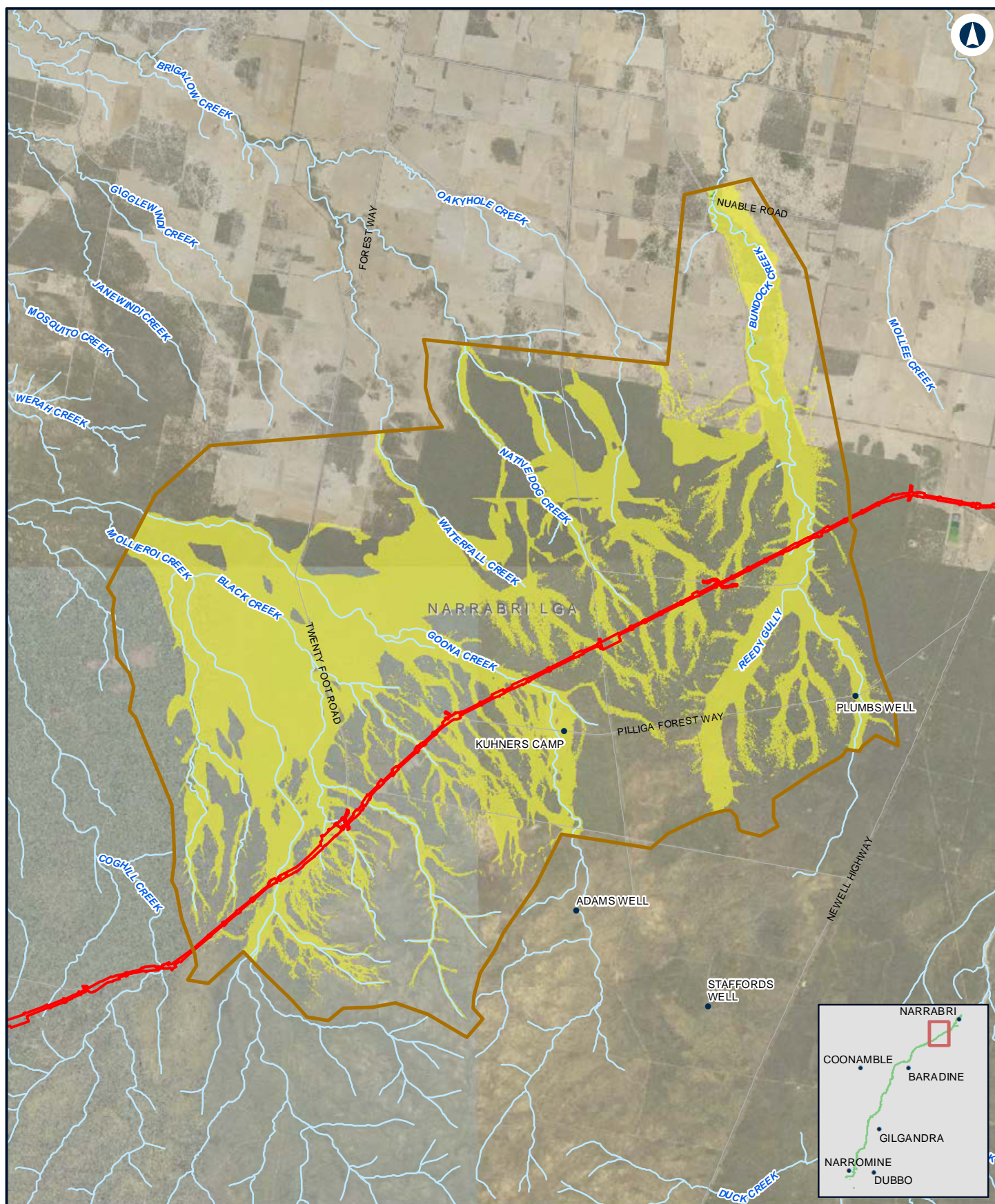
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N23

Appendix D - Figure 2.3I

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

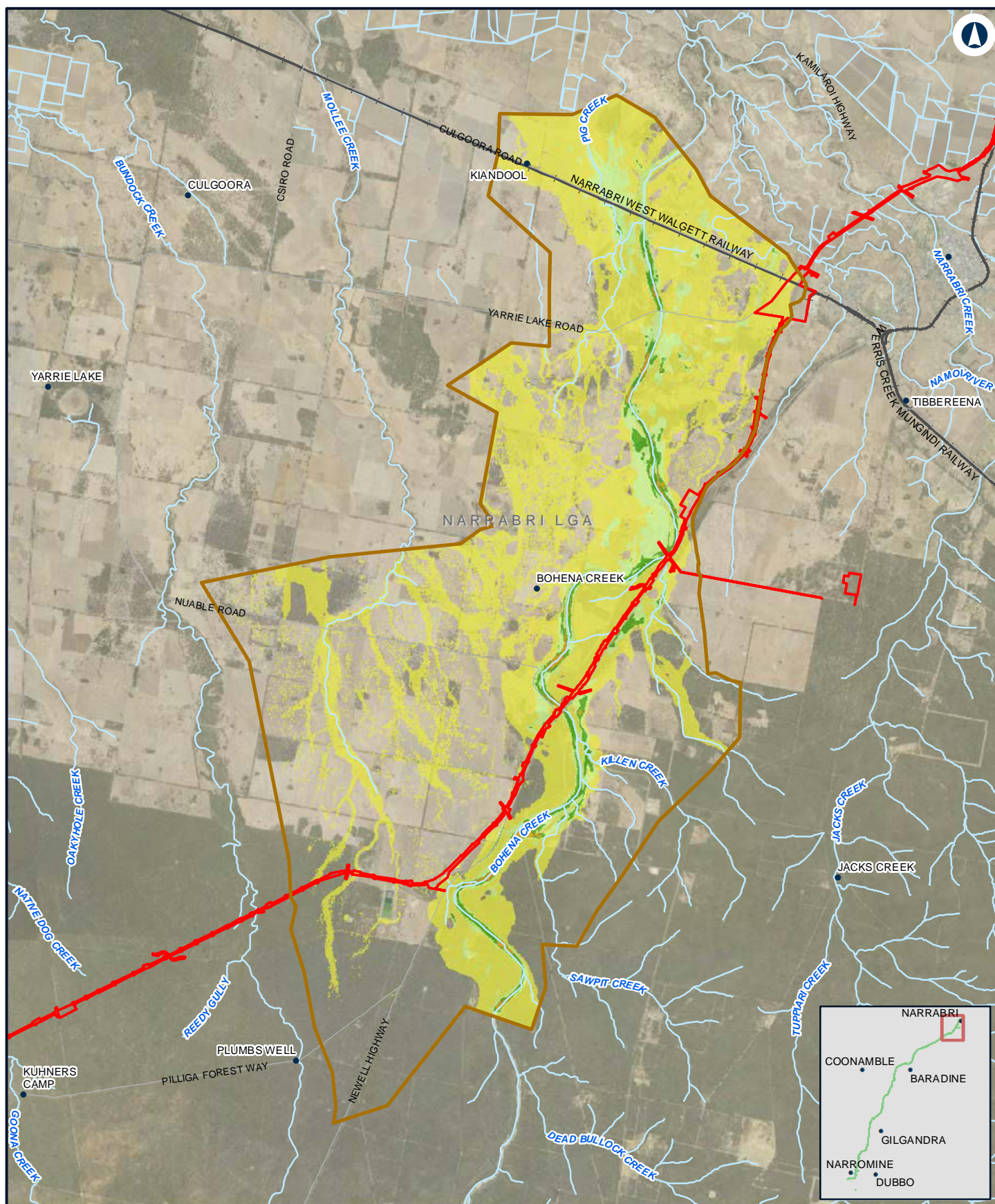
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - N2N1

Appendix D - Figure 2.3m

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

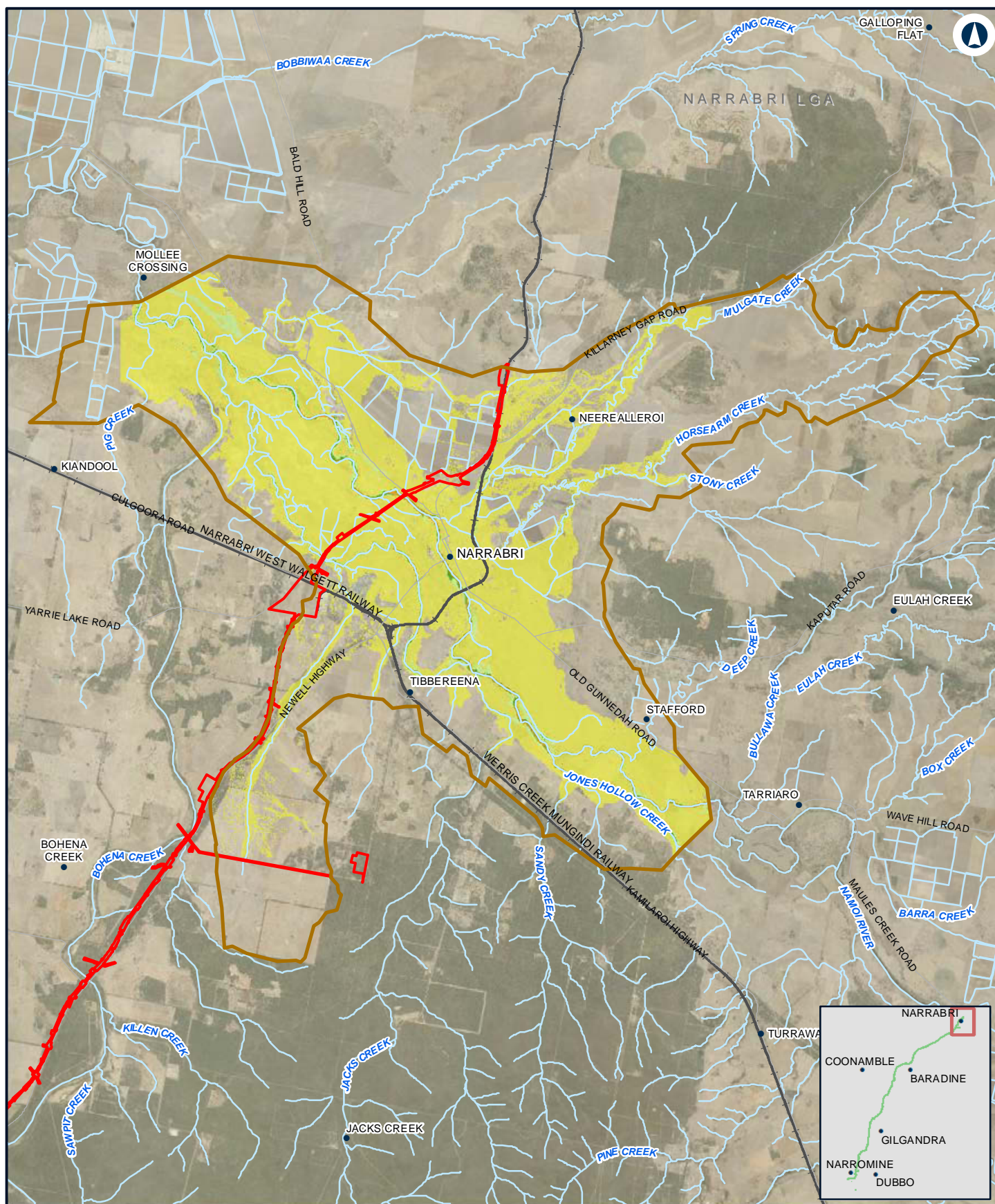
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 2% AEP - Narrabri

Appendix D - Figure 2.3n

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

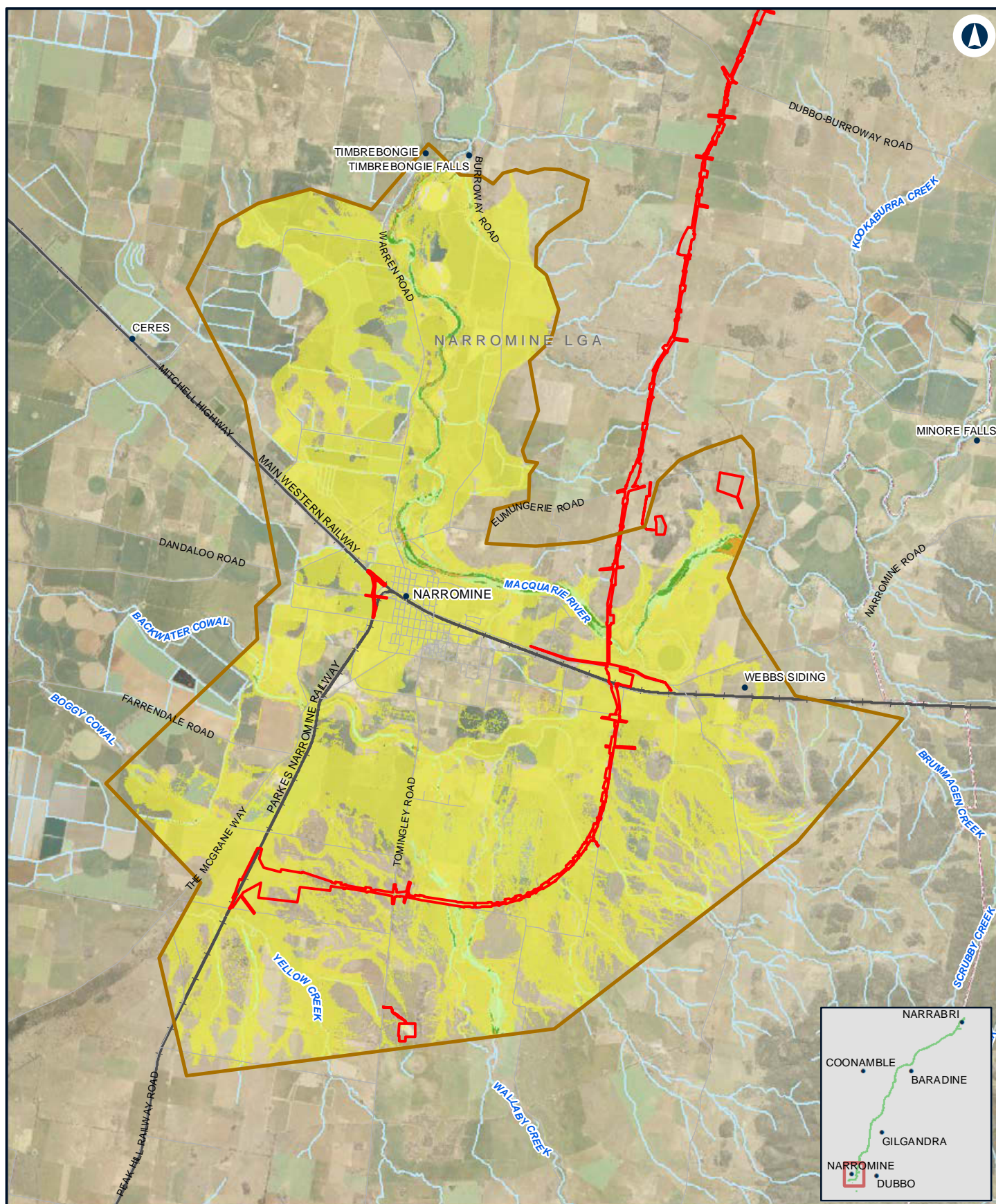
- Model boundary
- The proposal site

Flood velocity

- 0.0m/s - 1.0m/s
- 1.0m/s - 1.5m/s
- 1.5m/s - 2.0m/s
- > 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP - NFM

Appendix D - Figure 2.4a

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 velocity

0.0m/s - 1.0m/s

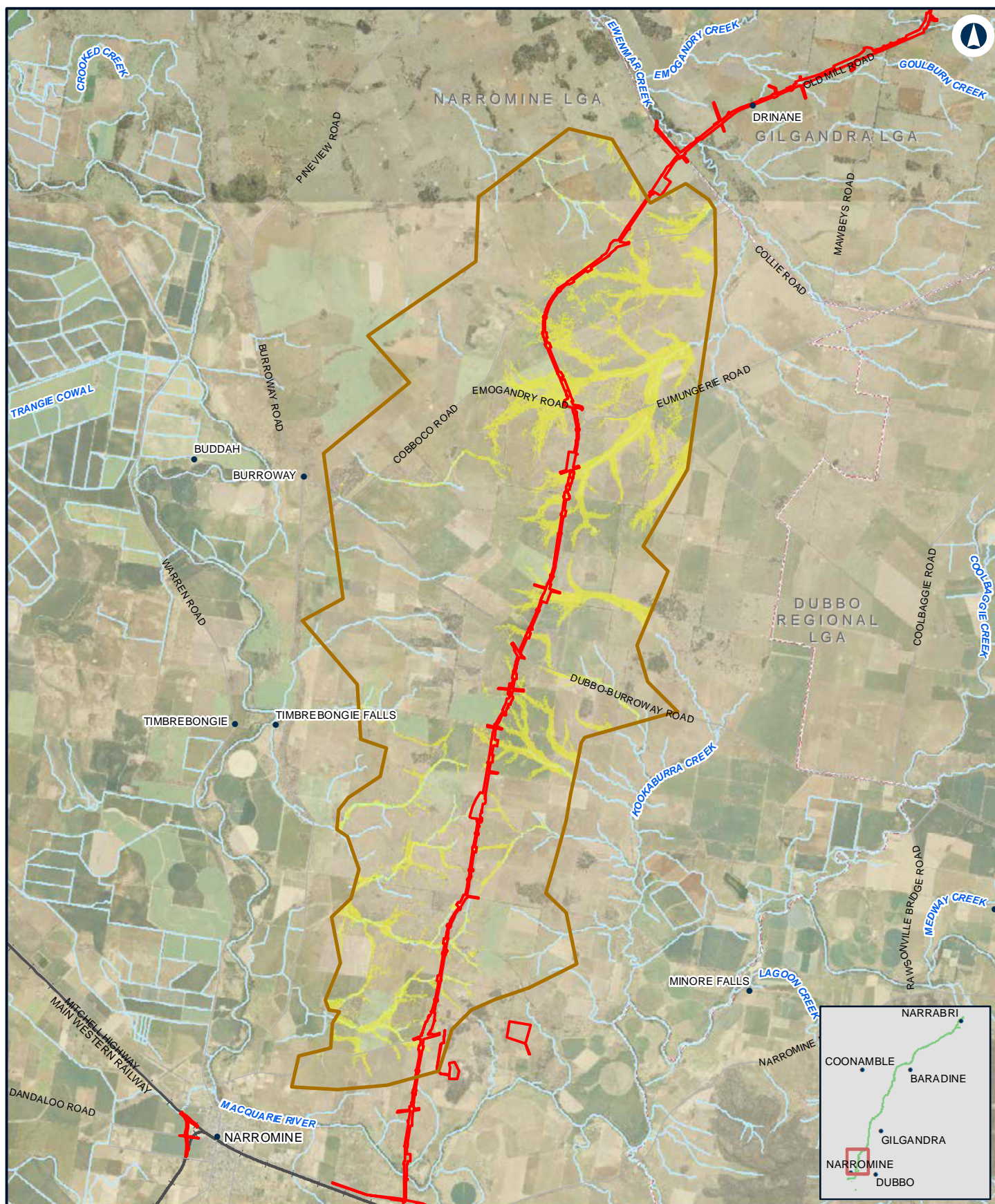
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP - N2N14

Appendix D - Figure 2.4b

0 2 4 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: 1:150,000

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

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

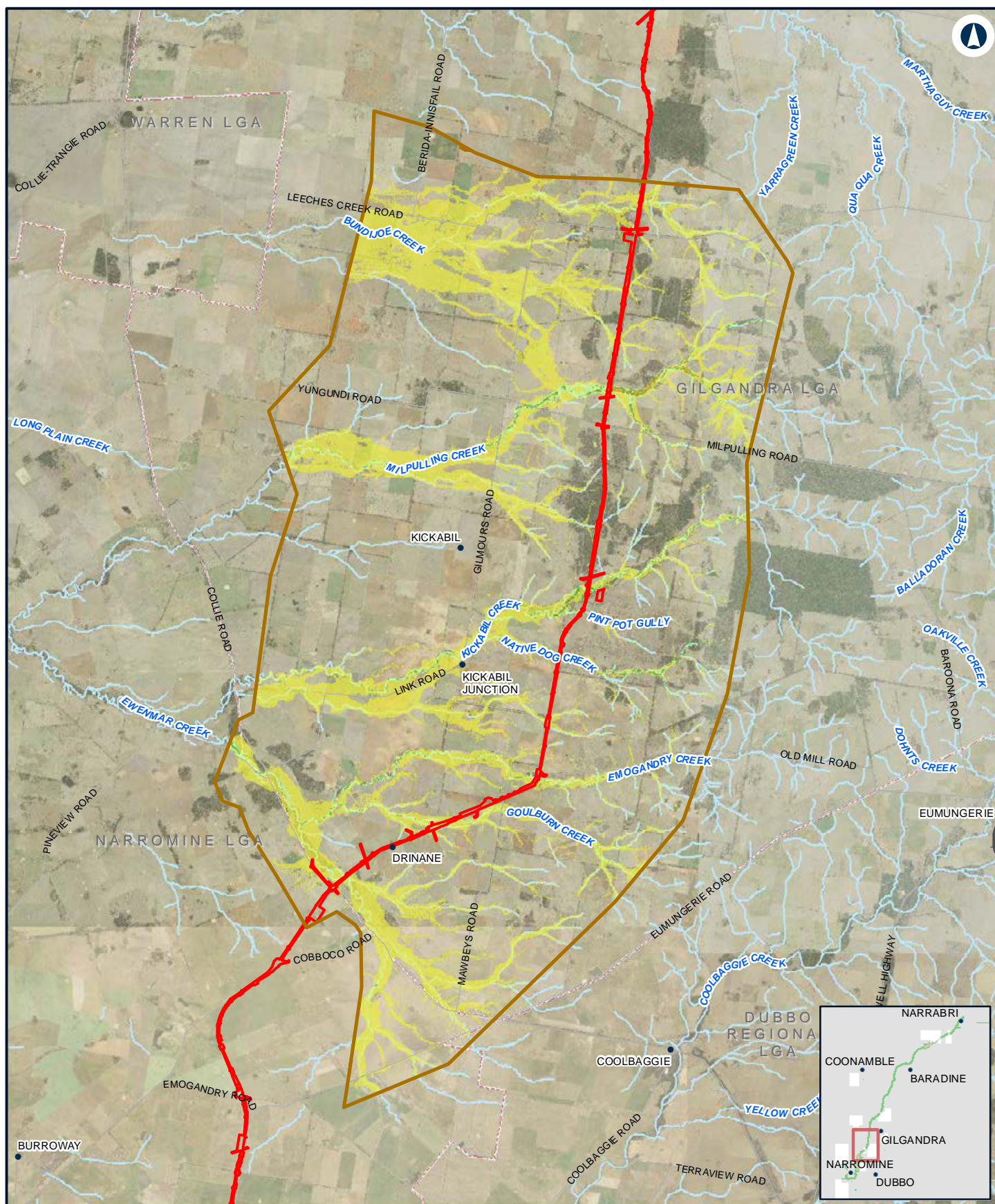
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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 peak velocity - 1% AEP - N2N13

Appendix D - Figure 2.4c

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 velocity

0.0m/s - 1.0m/s

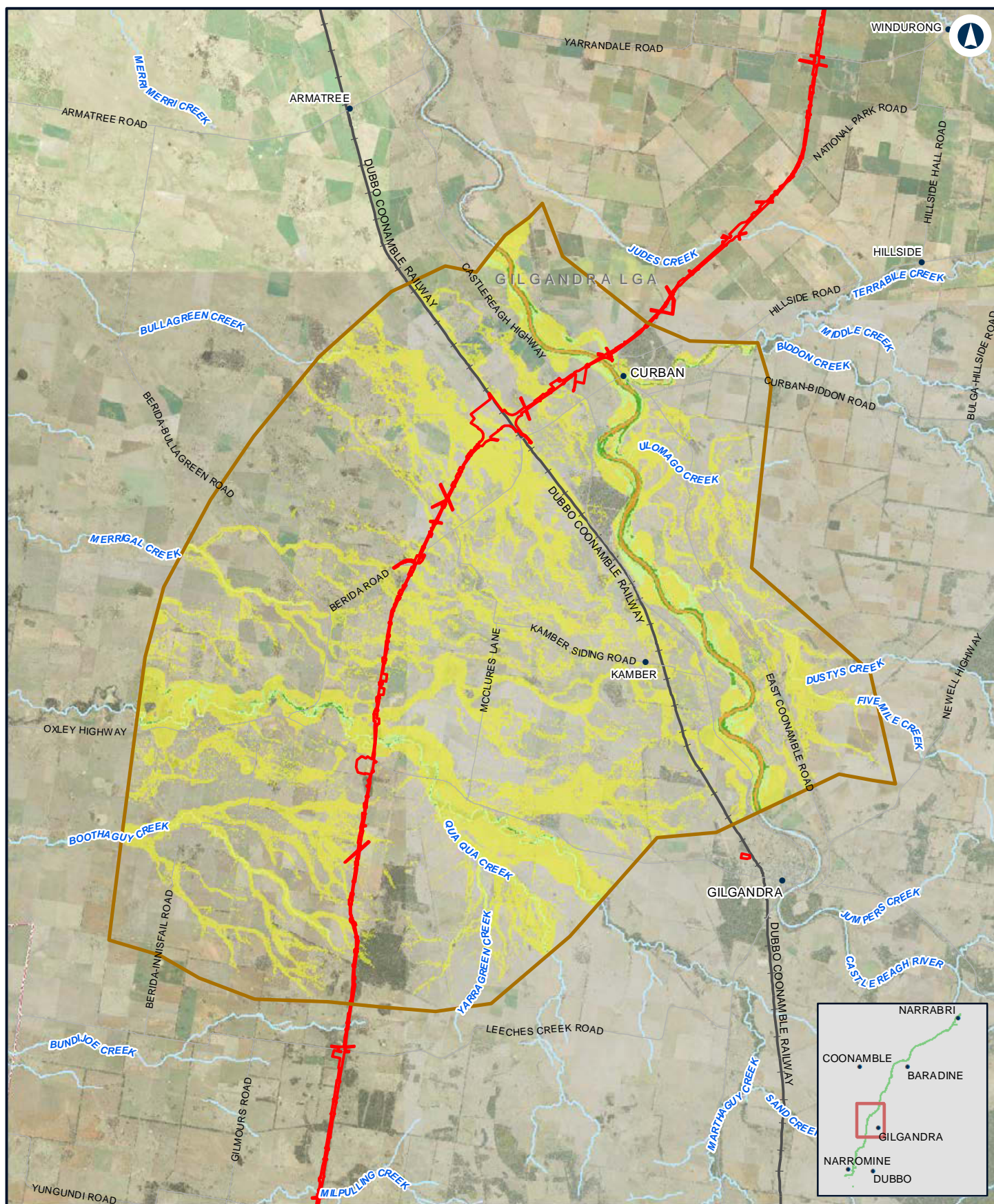
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP - N2N11N12

Appendix D - Figure 2.4d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022
Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

 The proposal site

 Model boundary

Flood velocity

0.0m/s - 1.0m/s

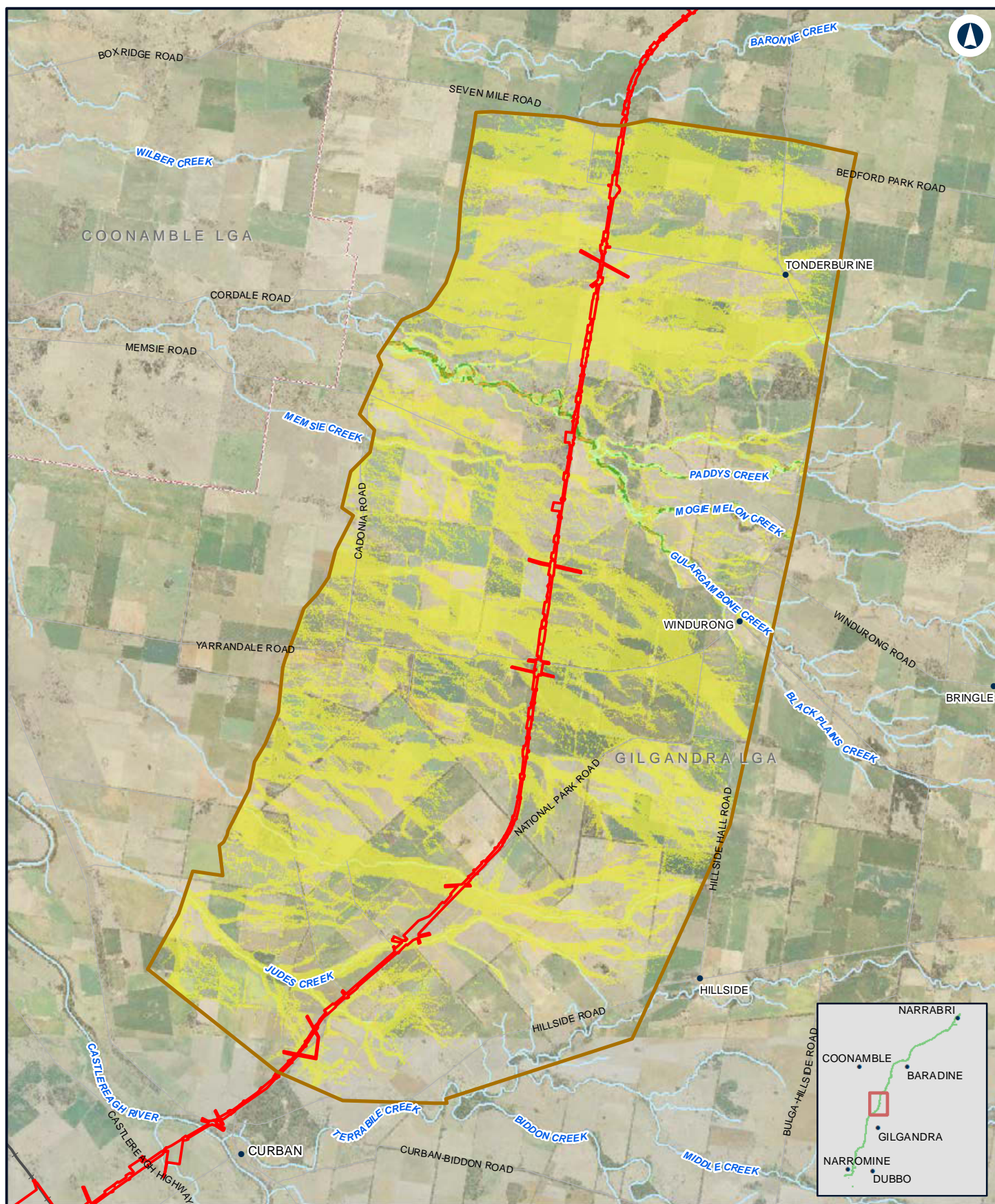
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP - N2N10

Appendix D - Figure 2.4e

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

Flood velocity

0.0m/s - 1.0m/s

1.0m/s - 1.5m/s

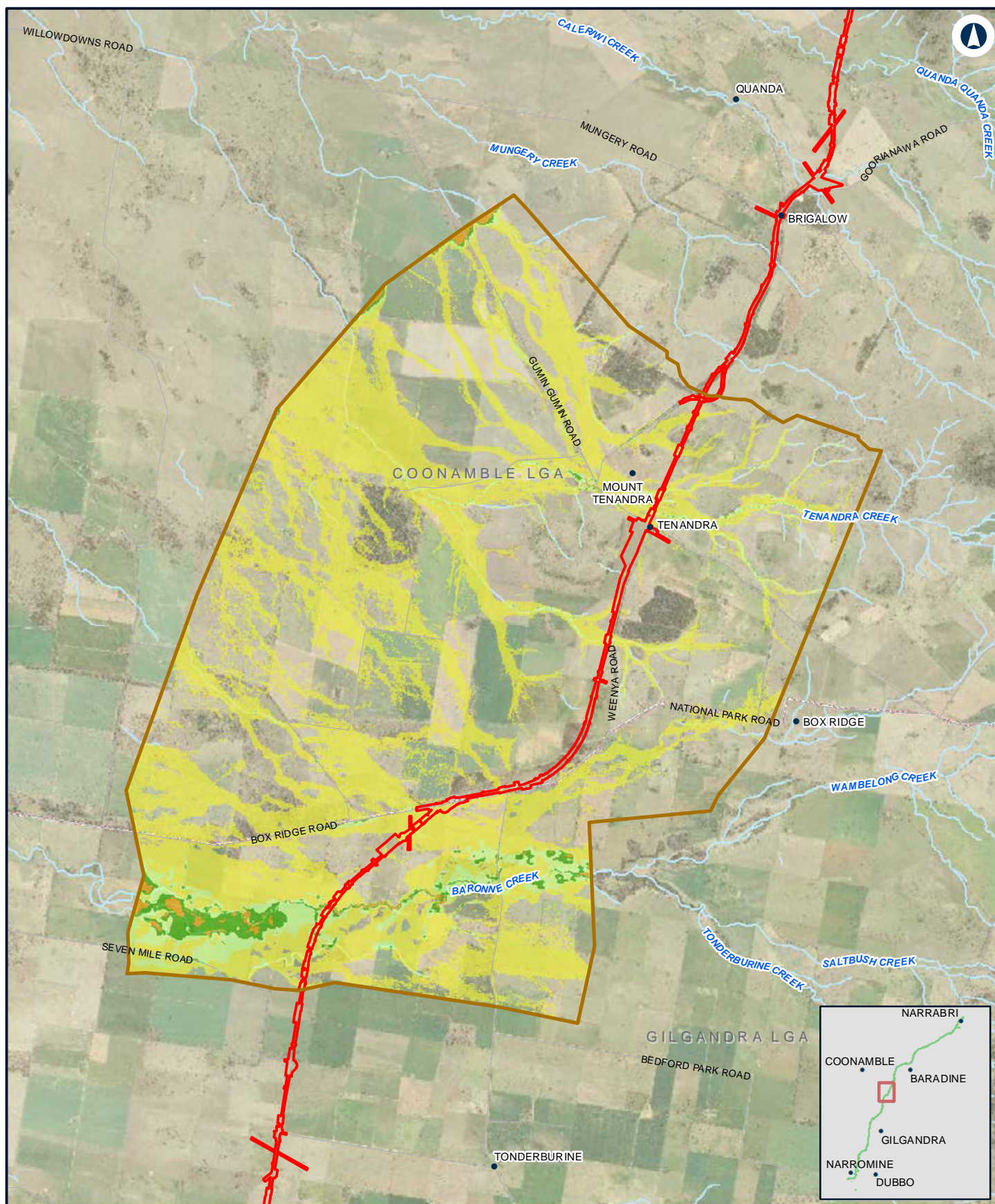
1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP - N2N9

Appendix D - Figure 2.4f

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

Flood velocity

 0.0m/s - 1.0m/s

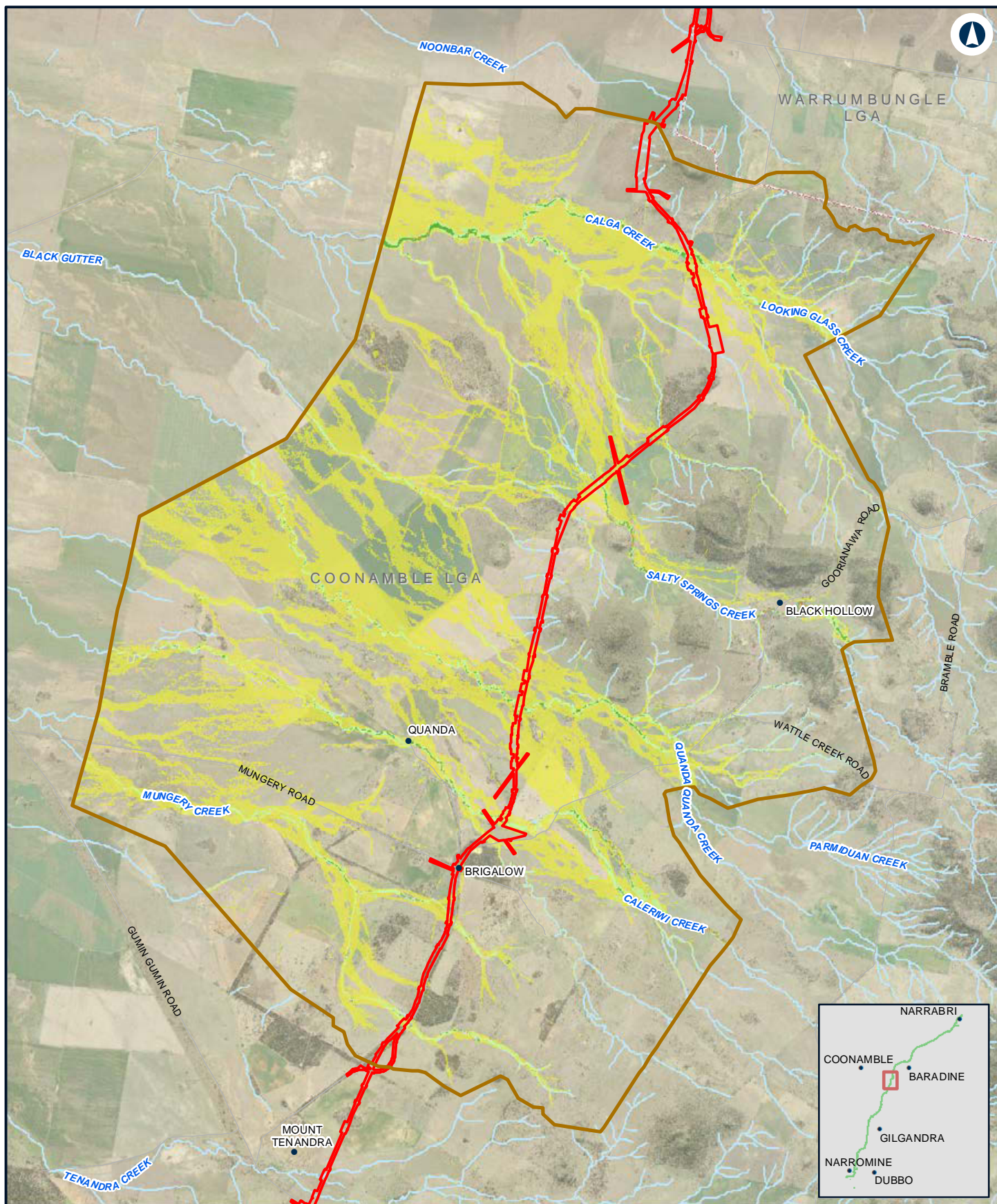
 1.0m/s - 1.5m/s

 1.5m/s - 2.0m/s

 > 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP - N2N8

Appendix D - Figure 2.4g

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 velocity

0.0m/s - 1.0m/s

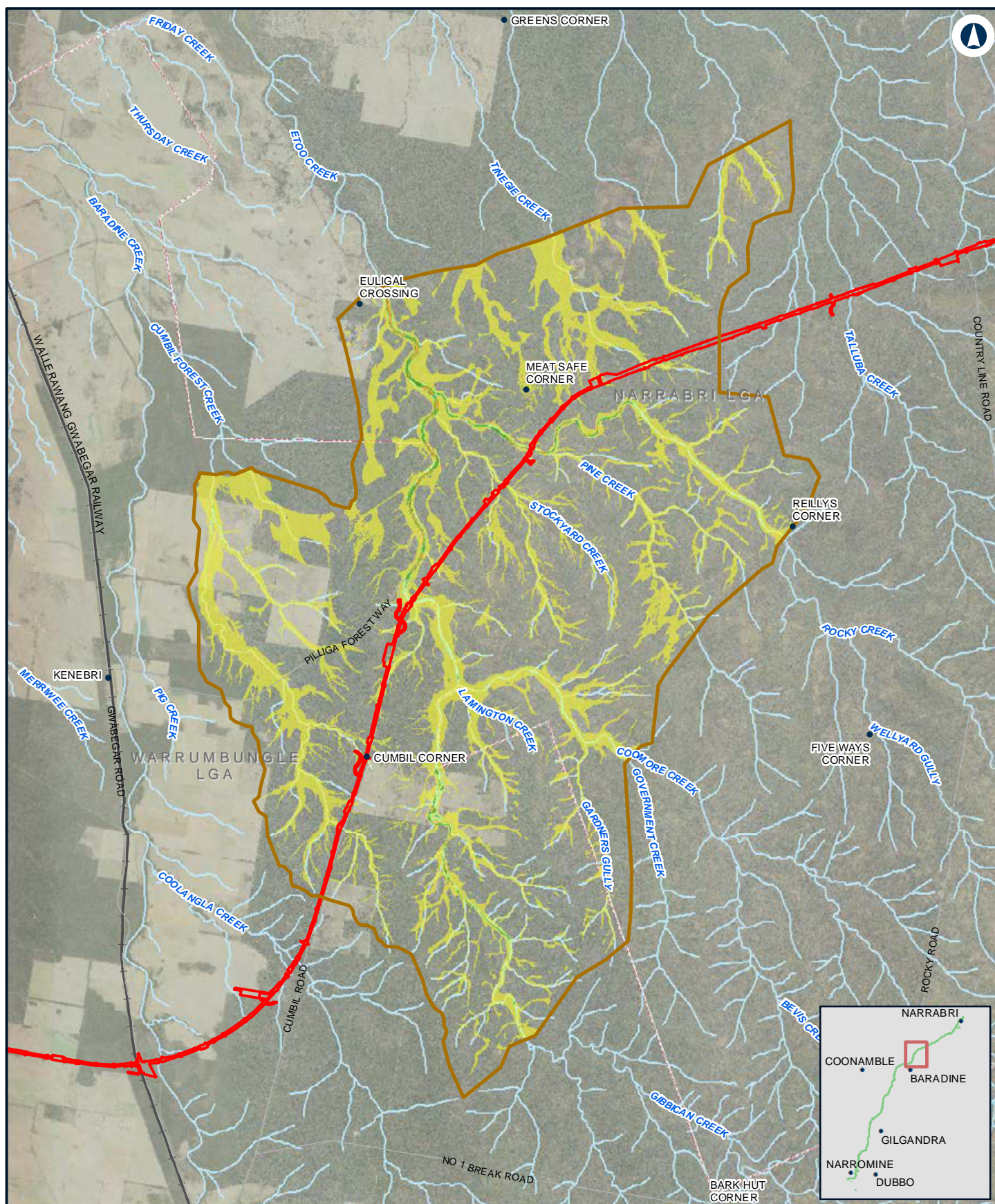
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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Narromine to Narrabri

Existing peak velocity - 1% AEP - N2N6

Appendix D - Figure 2.4i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022
Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Flood velocity

0.0m/s - 1.0m/s

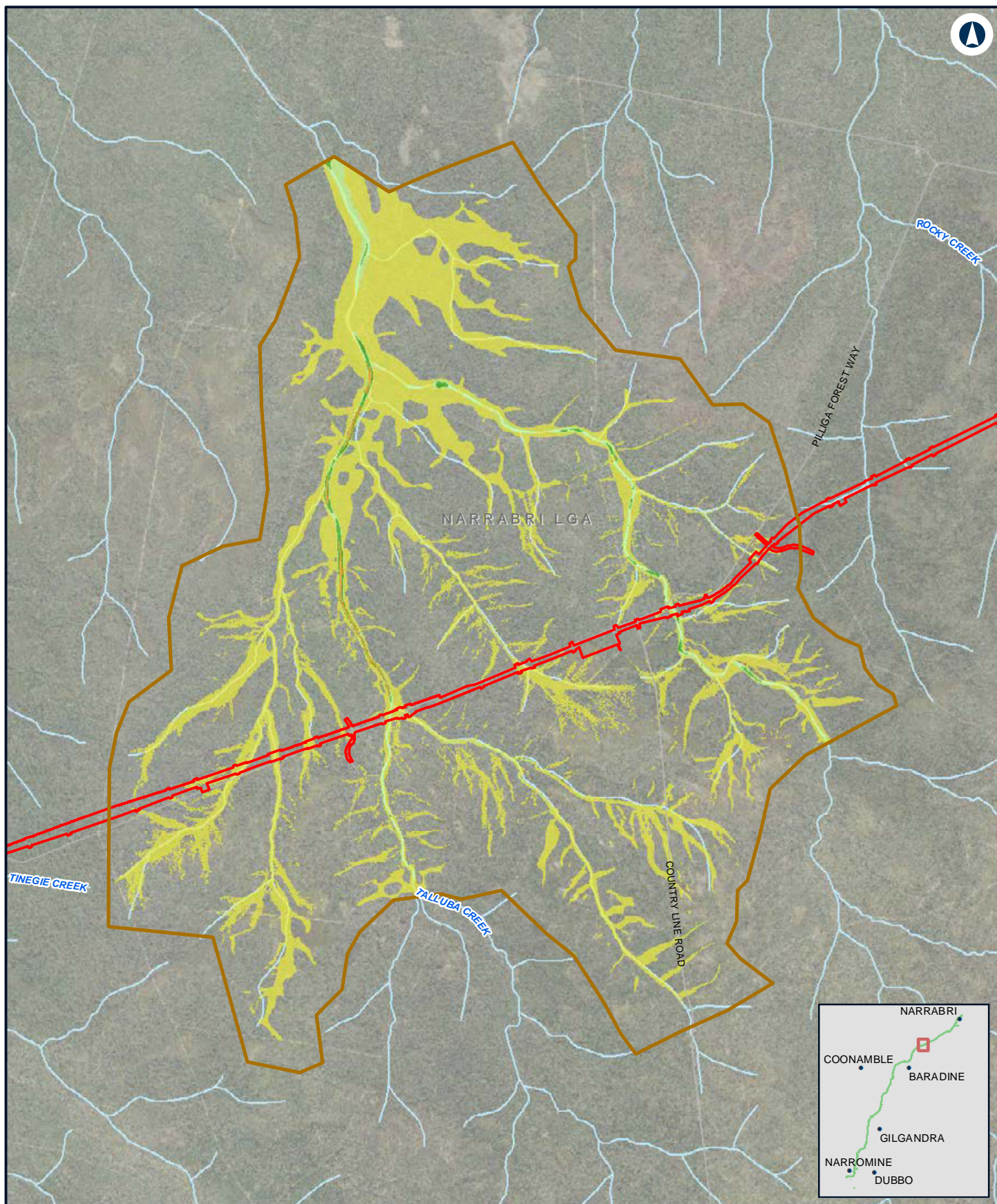
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP - N2N5

Appendix D - Figure 2.4j

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 velocity

0.0m/s - 1.0m/s

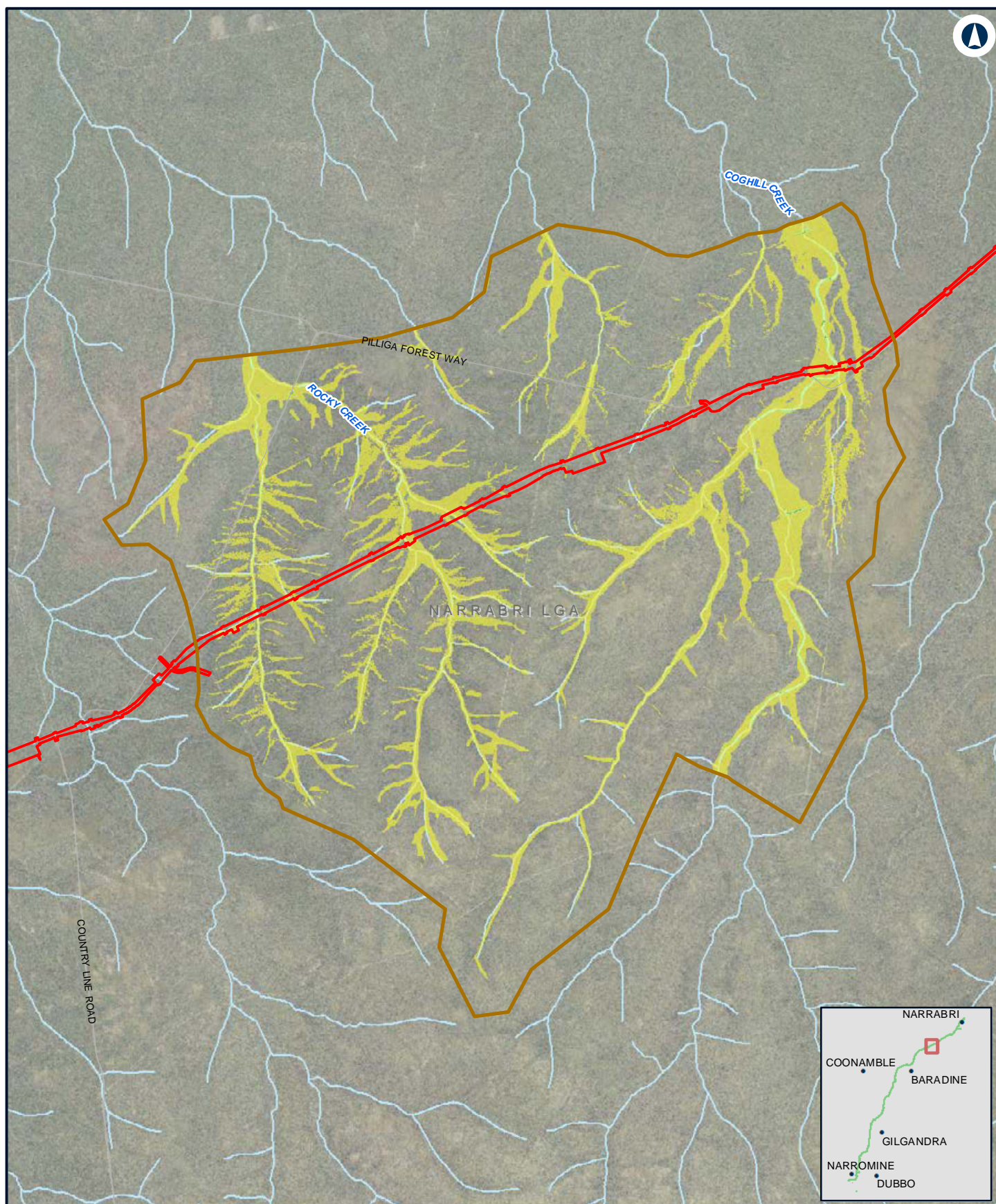
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP - N2N4

Appendix D - Figure 2.4k

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

 Model boundary

Flood velocity

0.0m/s - 1.0m/s

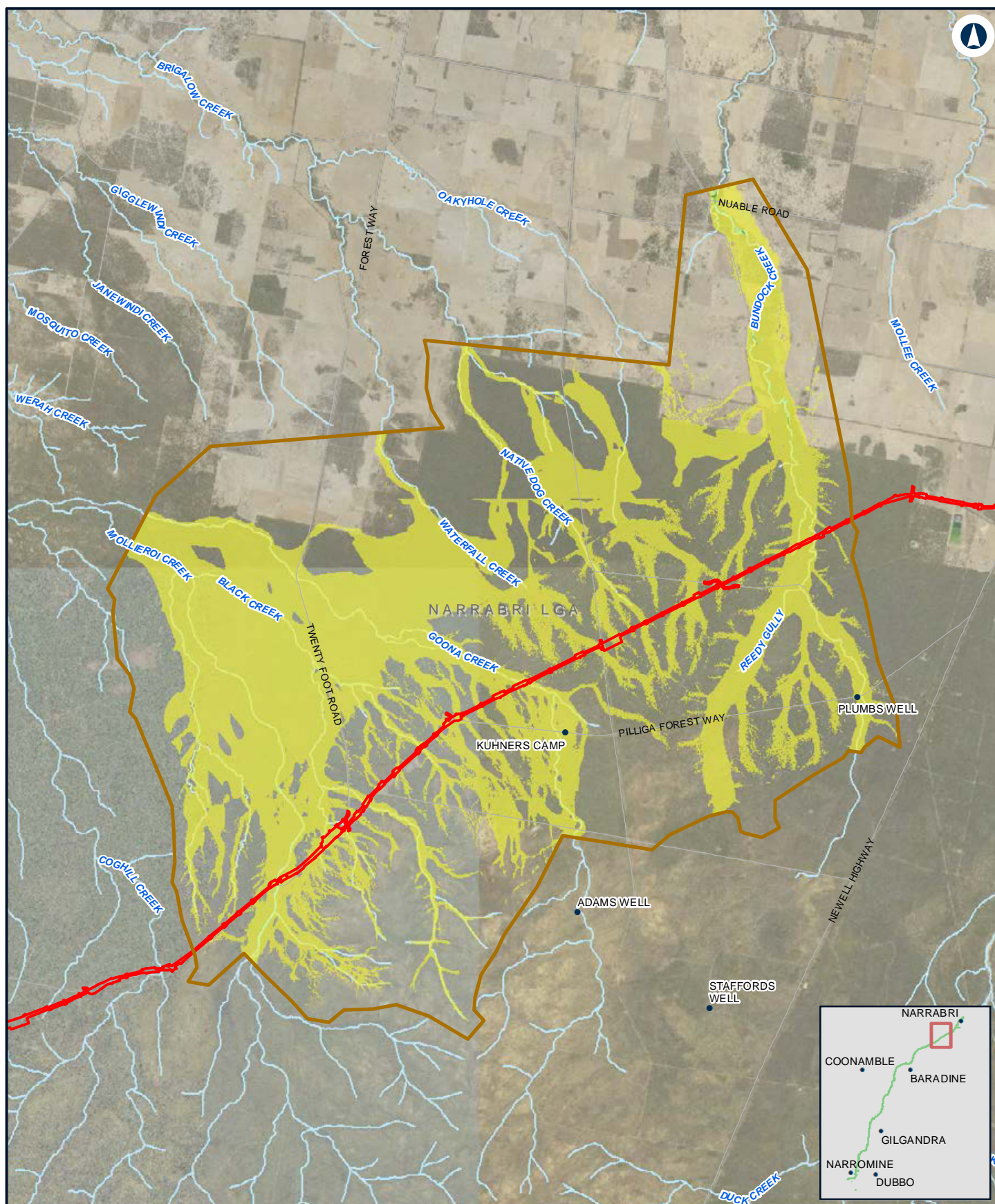
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARRABRI TO NARRABRI

Existing peak velocity - 1% AEP - N2N23

Appendix D - Figure 2.4I

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 velocity

0.0m/s - 1.0m/s

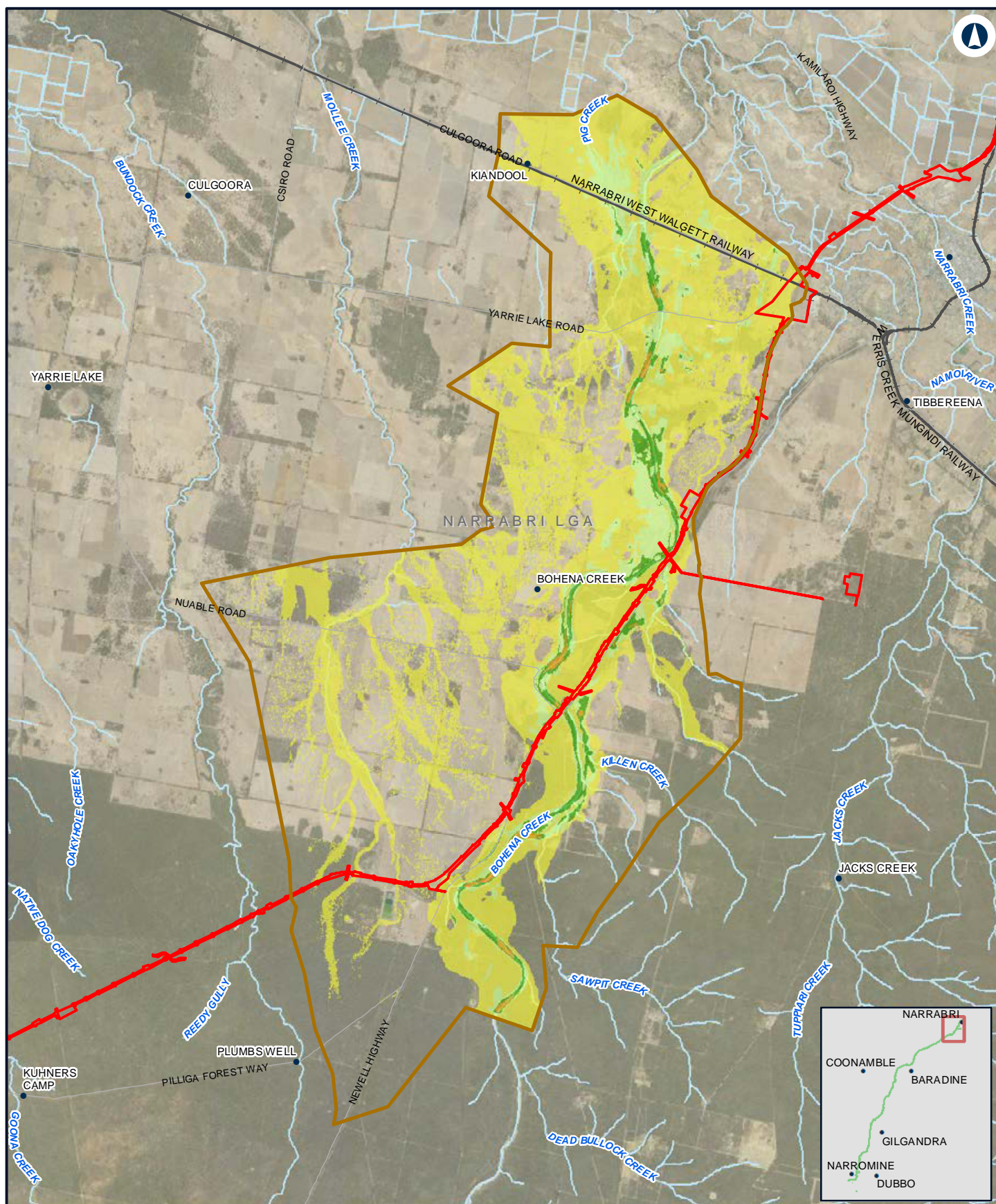
1.0m/s - 1.5m/s

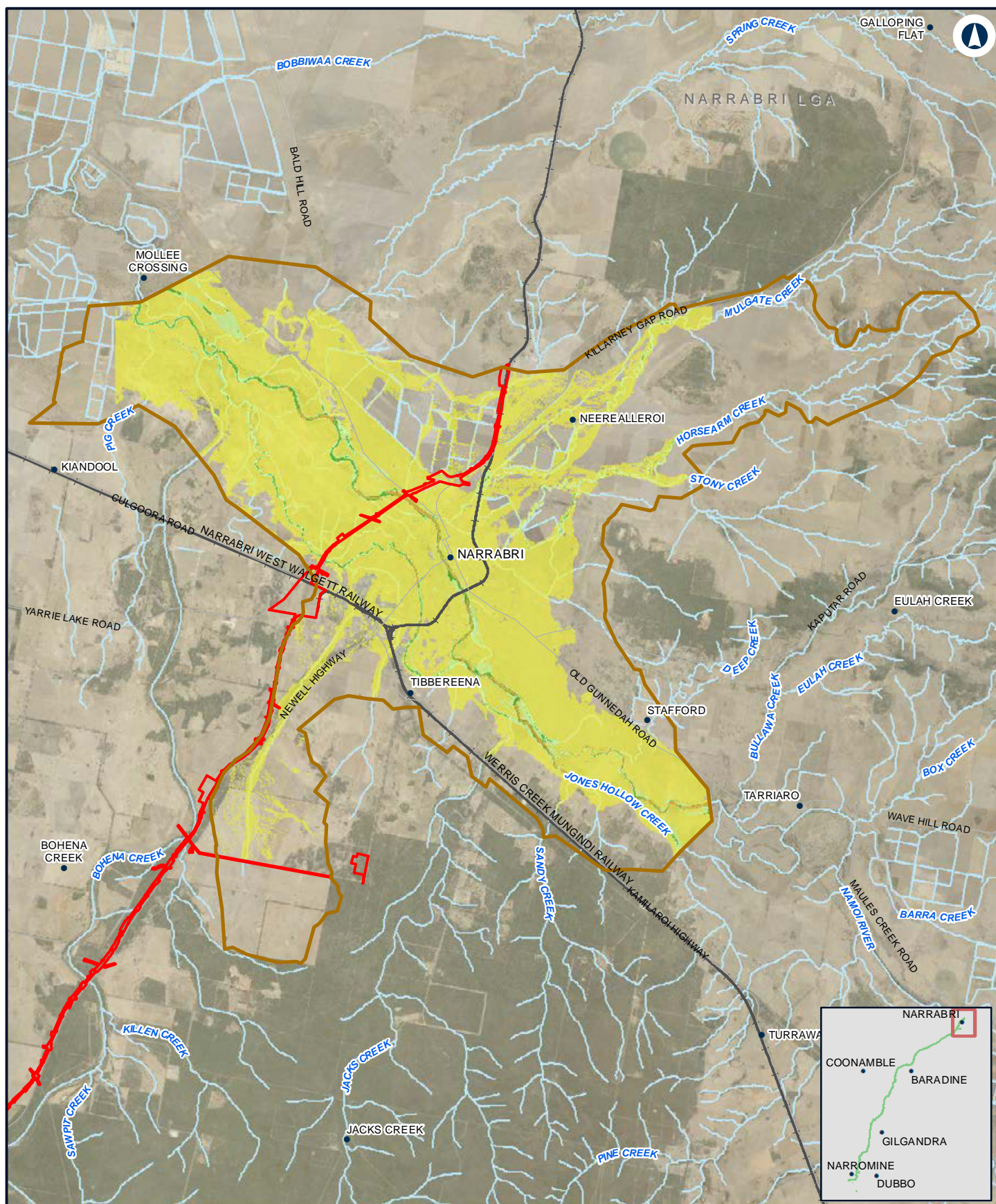
1.5m/s - 2.0m/s

> 2.0m/s

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Narromine to Narrabri

Existing peak velocity - 1% AEP - Narrabri

Appendix D - Figure 2.4n

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 velocity

0.0m/s - 1.0m/s

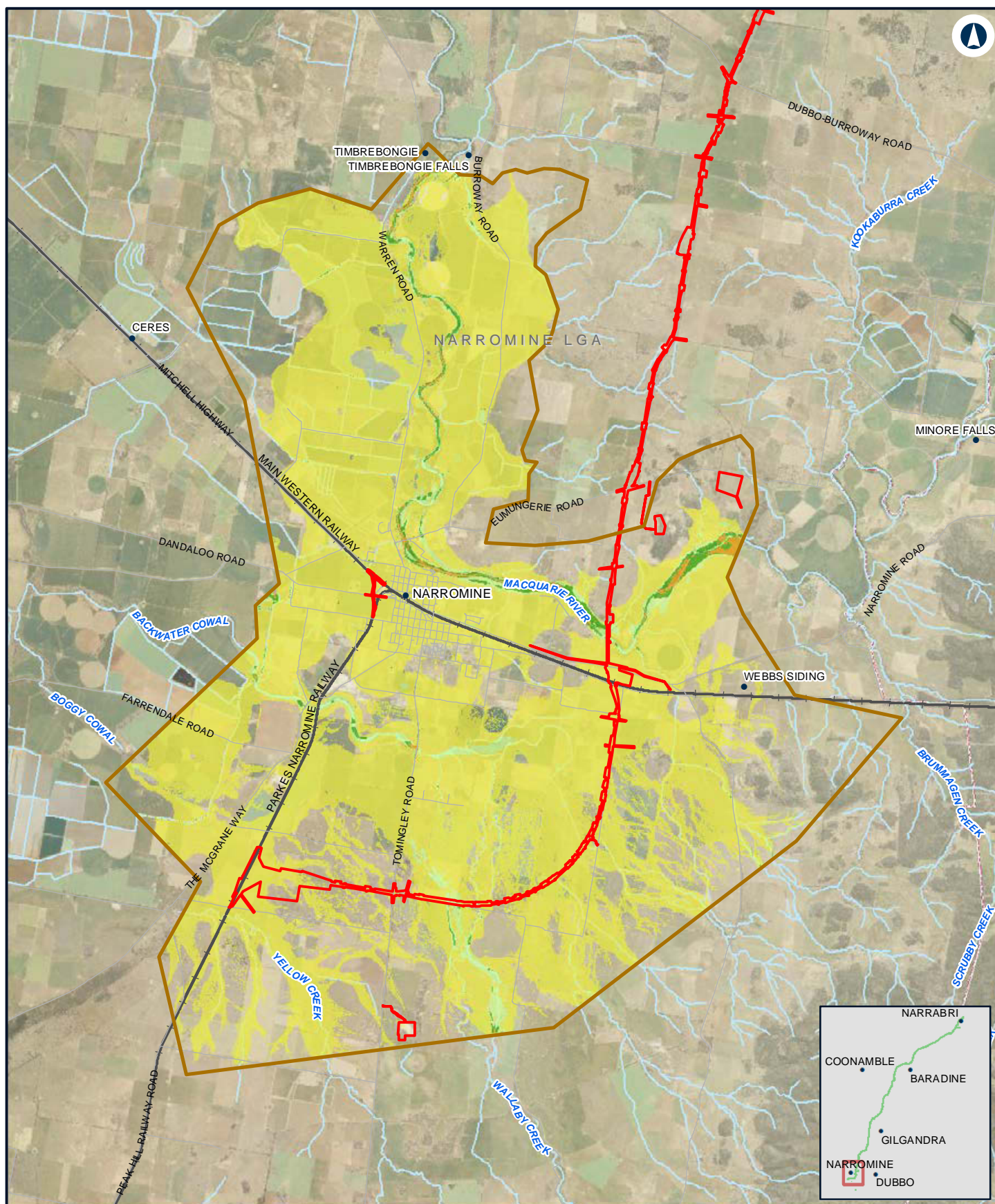
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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0 1.5 3 Km

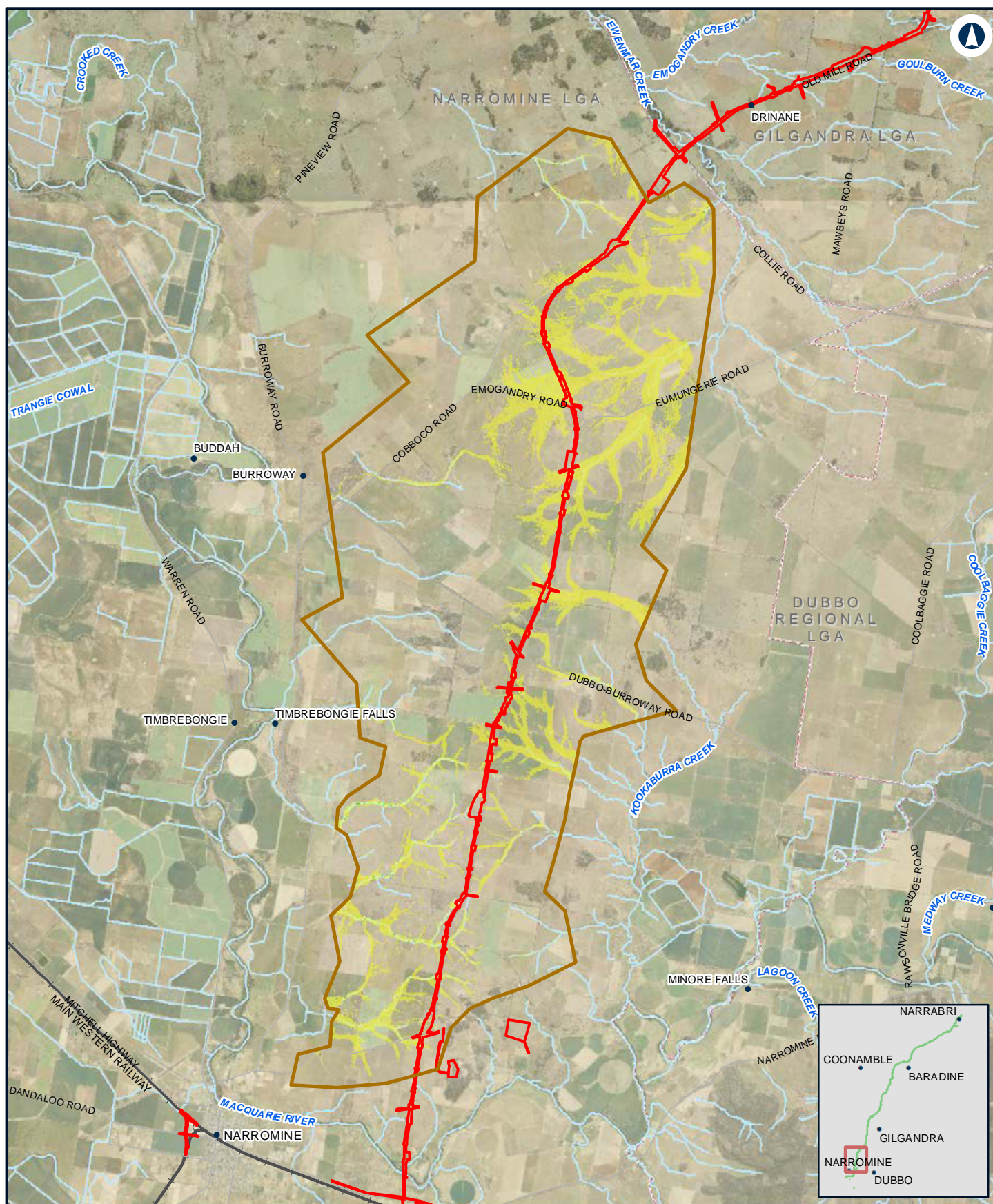
Coordinate System: GDA 1994 MGA Zone 55

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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



NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N14

Appendix D Figure 2.5b

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 velocity

0.0m/s - 1.0m/s

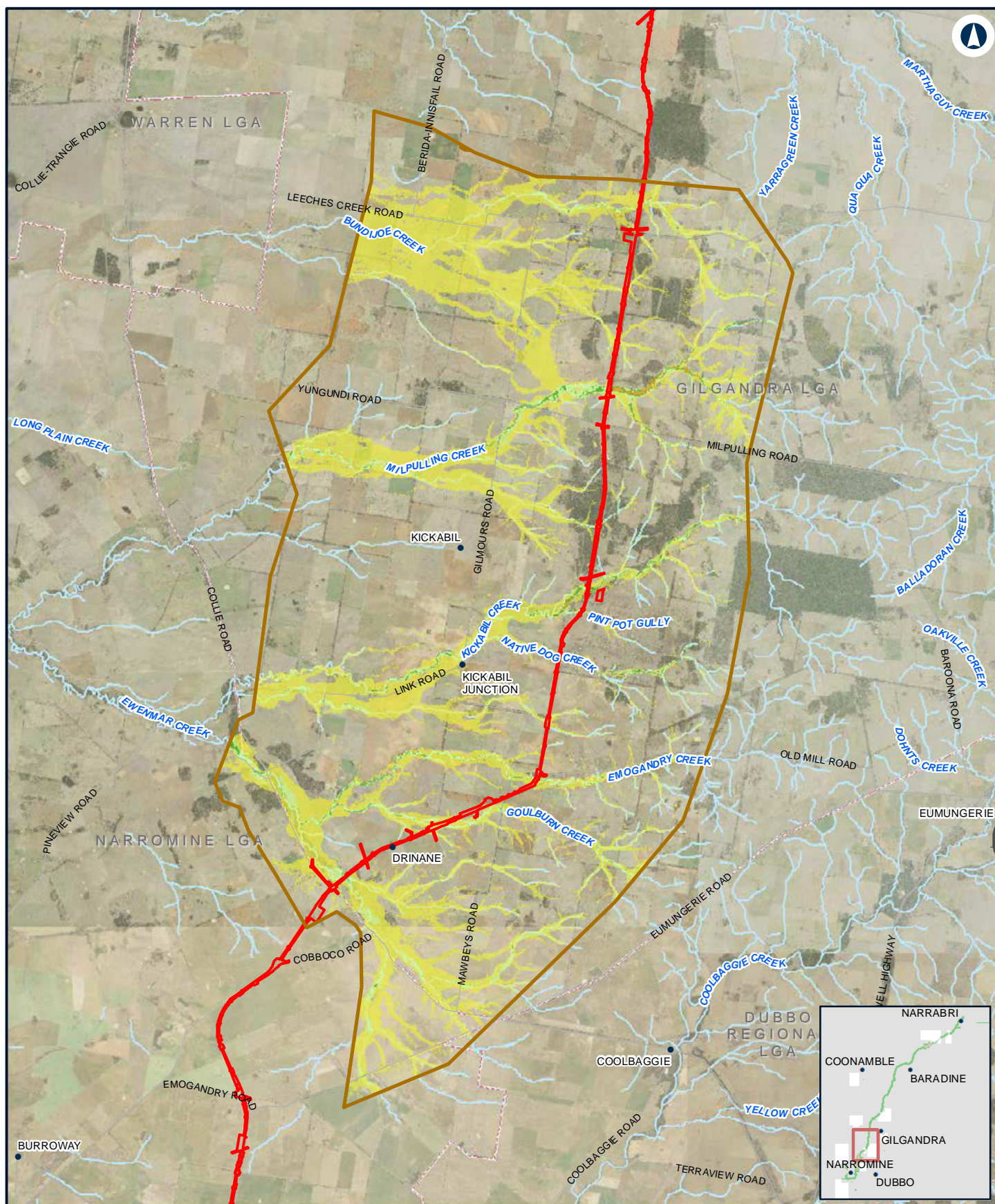
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N13

Appendix D Figure 2.5c

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

Flood velocity

 0.0m/s - 1.0m/s

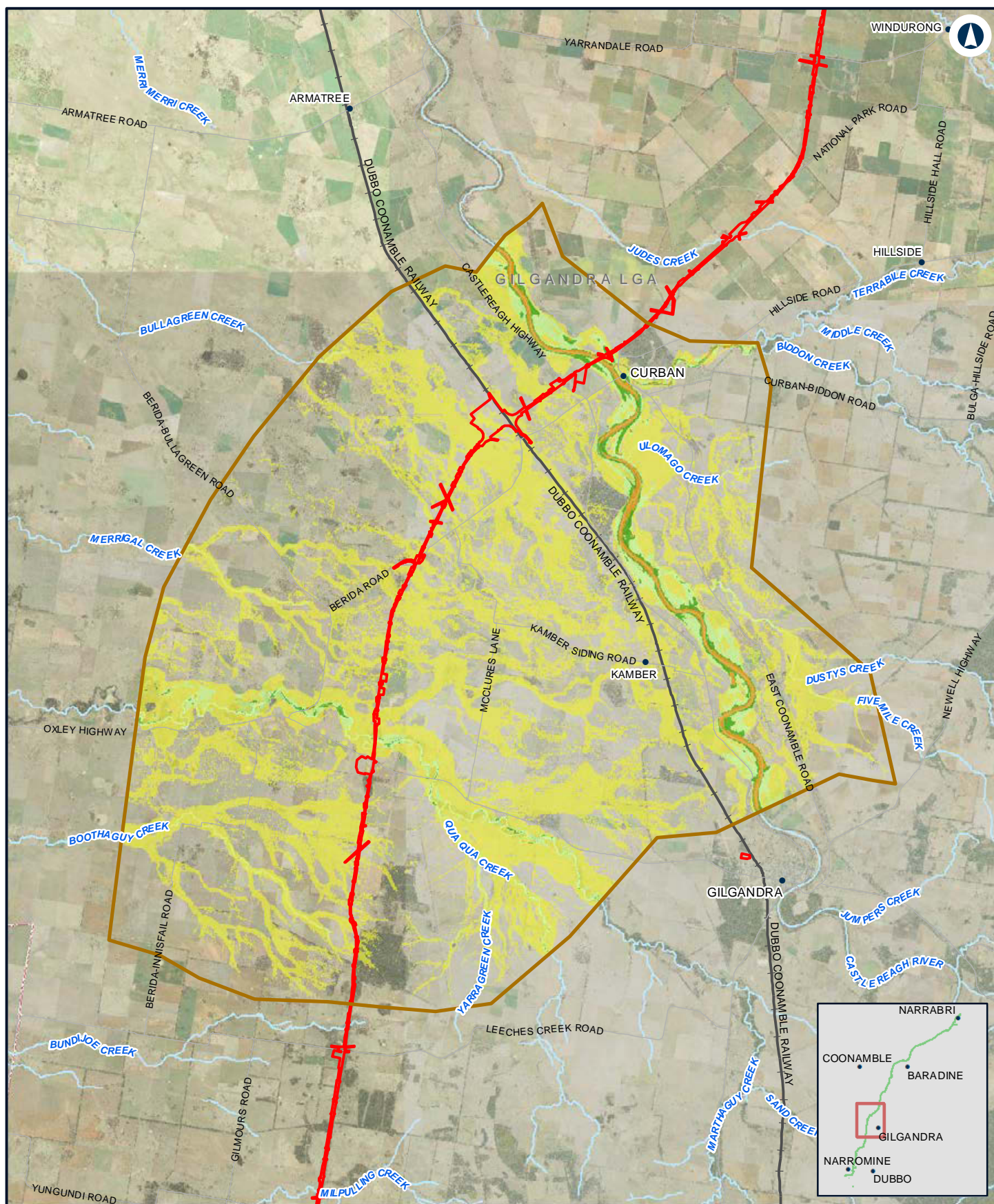
 1.0m/s - 1.5m/s

 1.5m/s - 2.0m/s

 > 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N11N12

Appendix D Figure 2.5d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022
Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

 The proposal site

 Model boundary

Flood velocity

0.0m/s - 1.0m/s

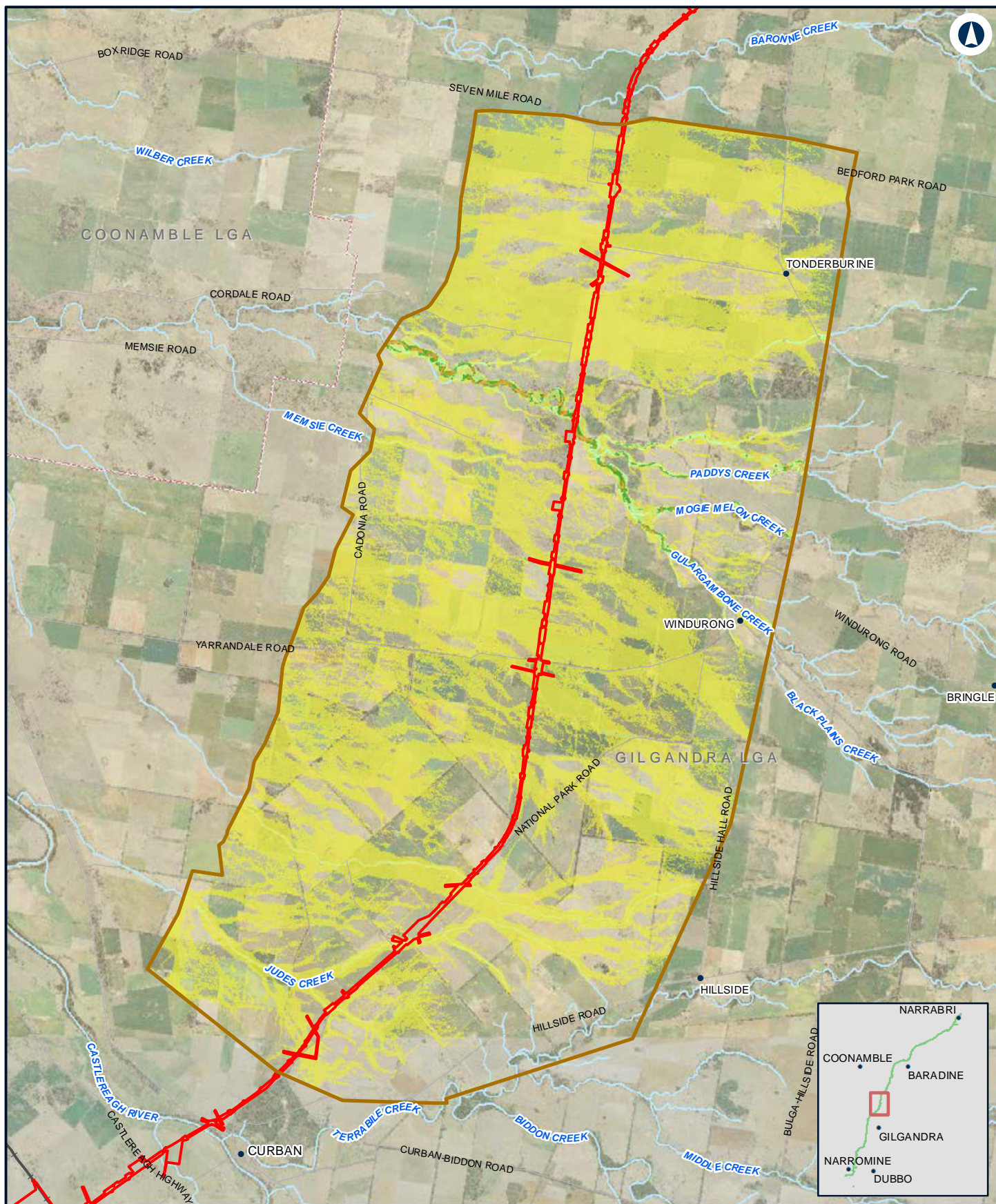
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N10

Appendix D Figure 2.5e

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 velocity

0.0m/s - 1.0m/s

1.0m/s - 1.5m/s

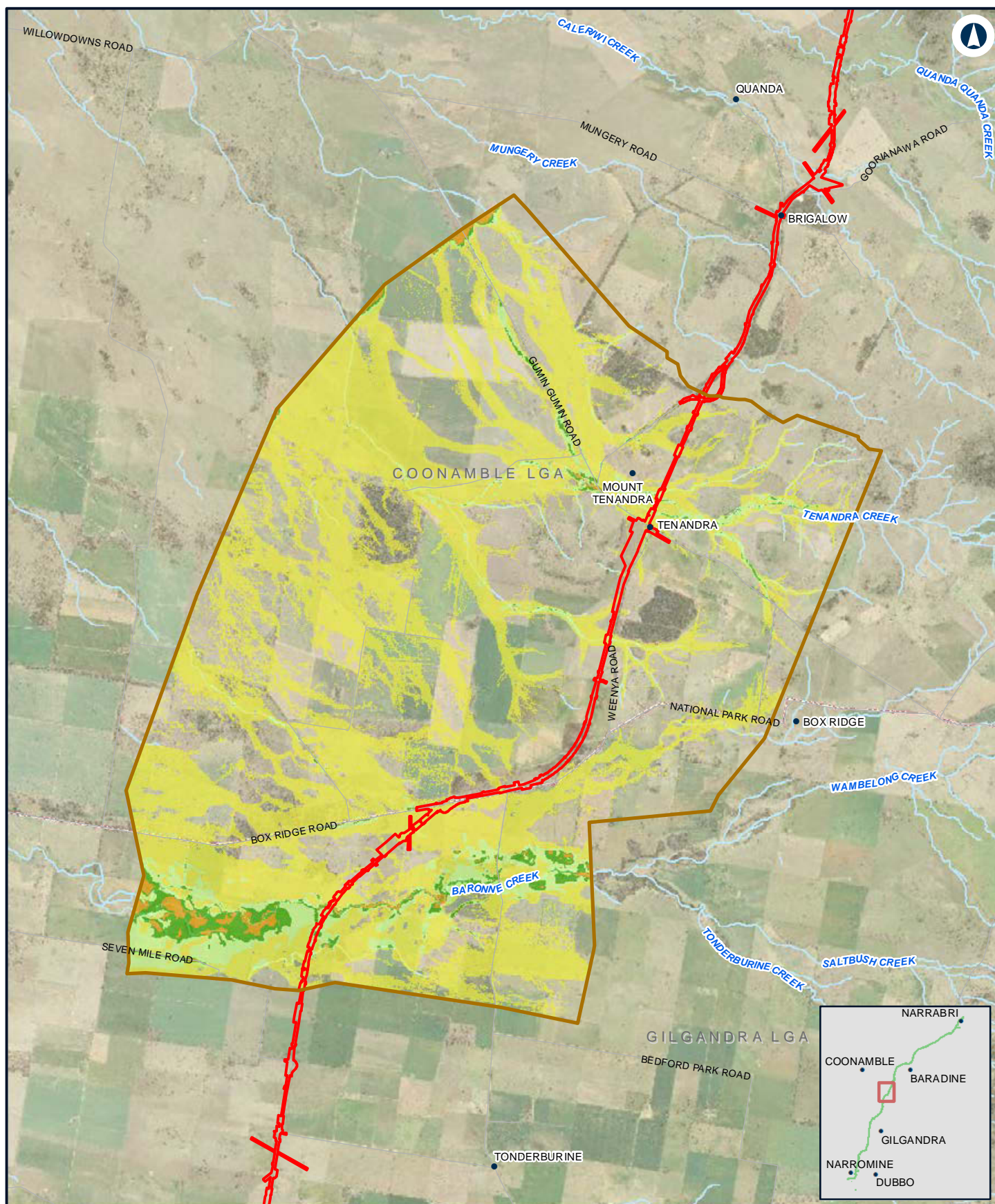
1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N9

Appendix D Figure 2.5f

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 velocity

0.0m/s - 1.0m/s

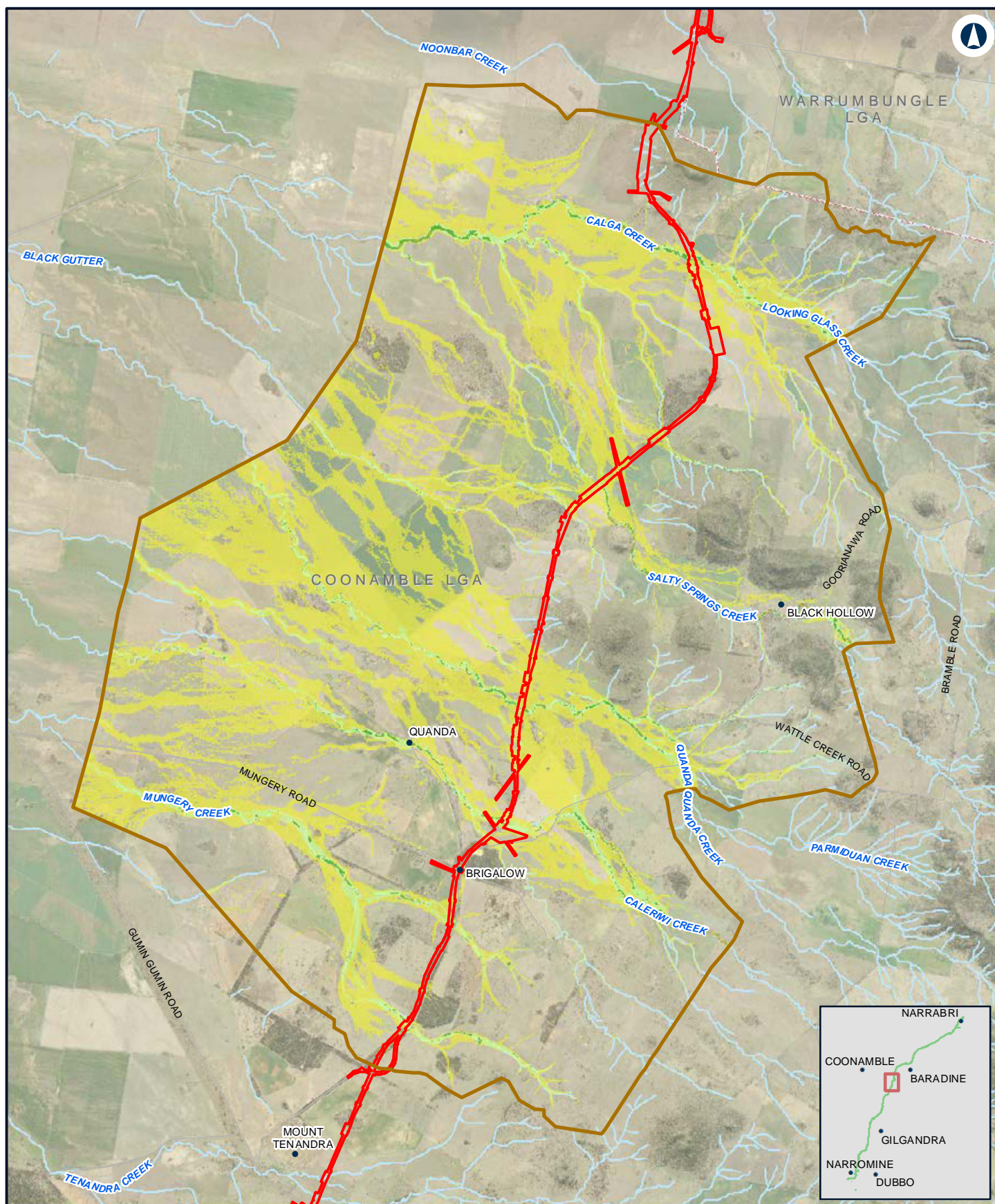
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N8

Appendix D Figure 2.5g

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 velocity

0.0m/s - 1.0m/s

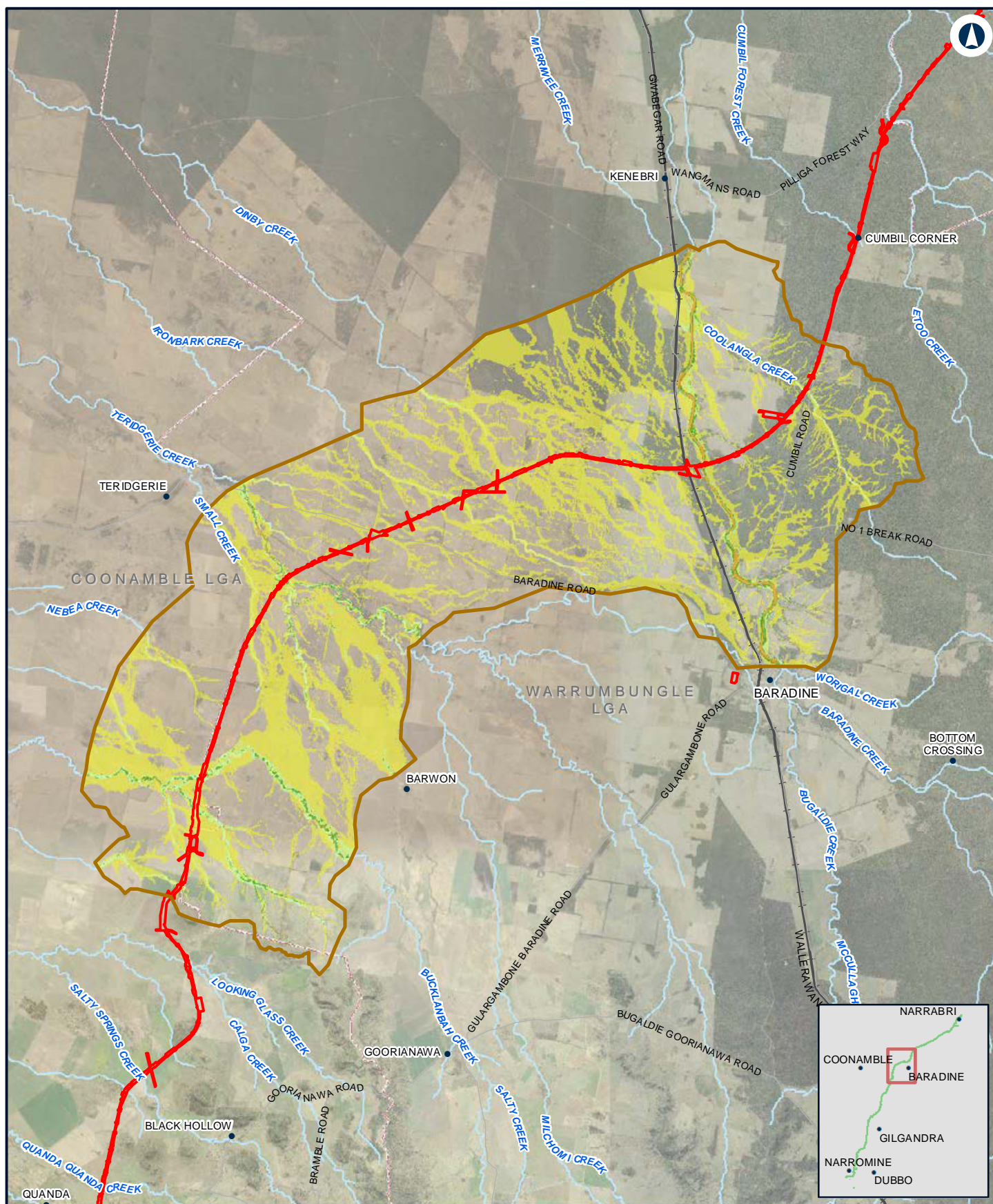
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N7

Appendix D Figure 2.5h

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 velocity

0.0m/s - 1.0m/s

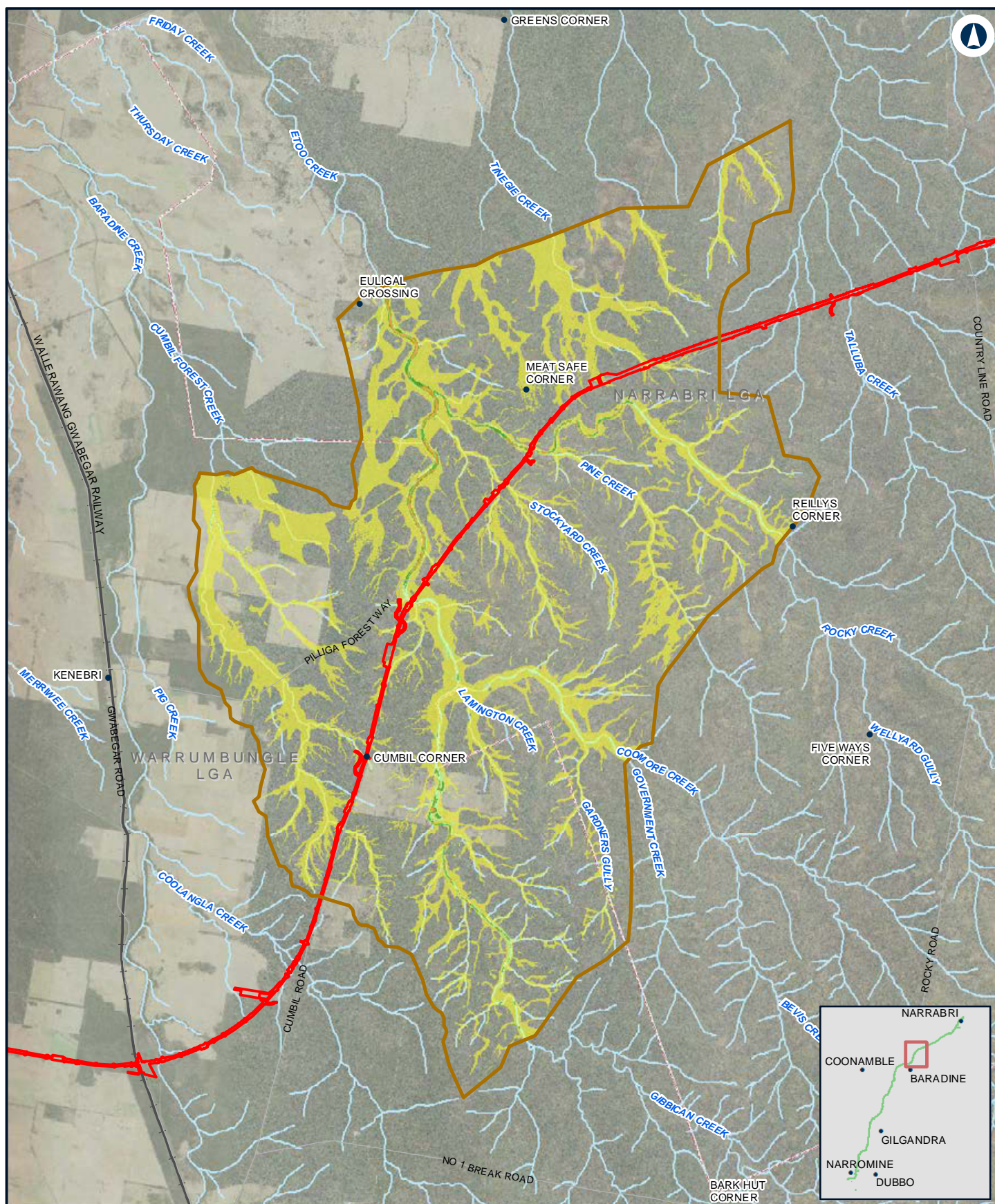
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N6

Appendix D Figure 2.5i

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 velocity

0.0m/s - 1.0m/s

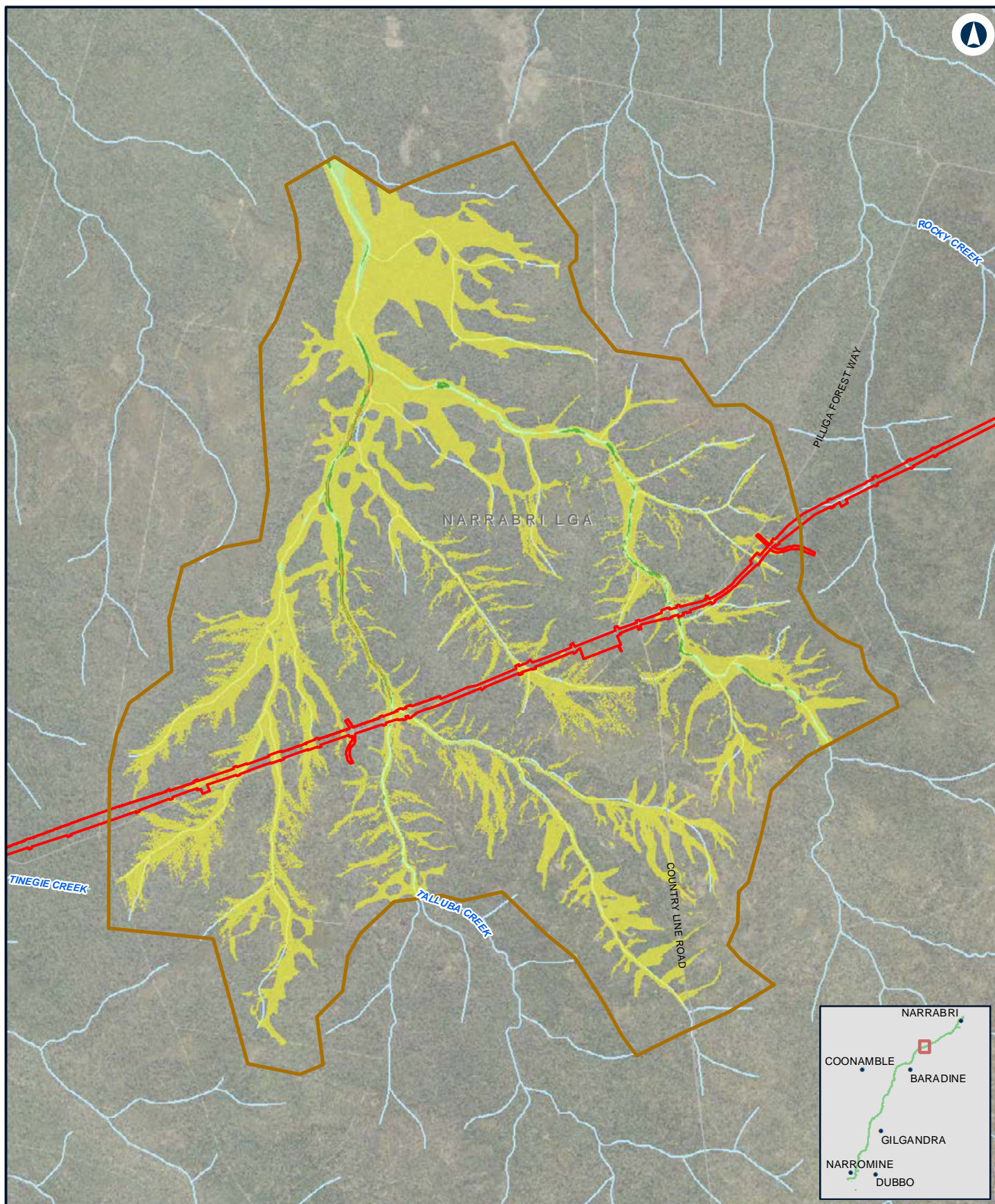
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N5

Appendix D Figure 2.5j

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

 Model boundary

Flood velocity

0.0m/s - 1.0m/s

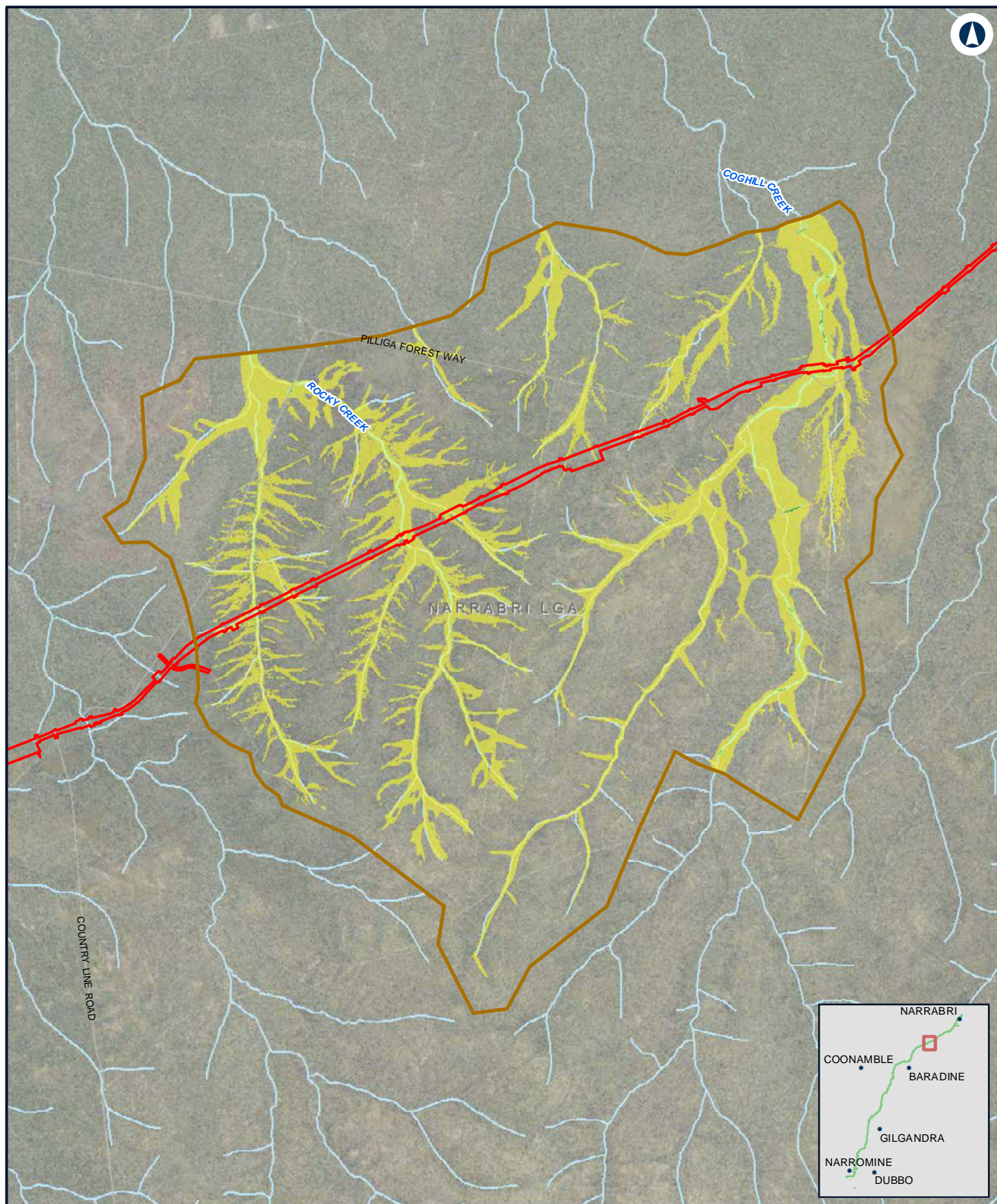
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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 peak velocity - 1% AEP with climate change - N2N4

Appendix D Figure 2.5k

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 velocity

0.0m/s - 1.0m/s

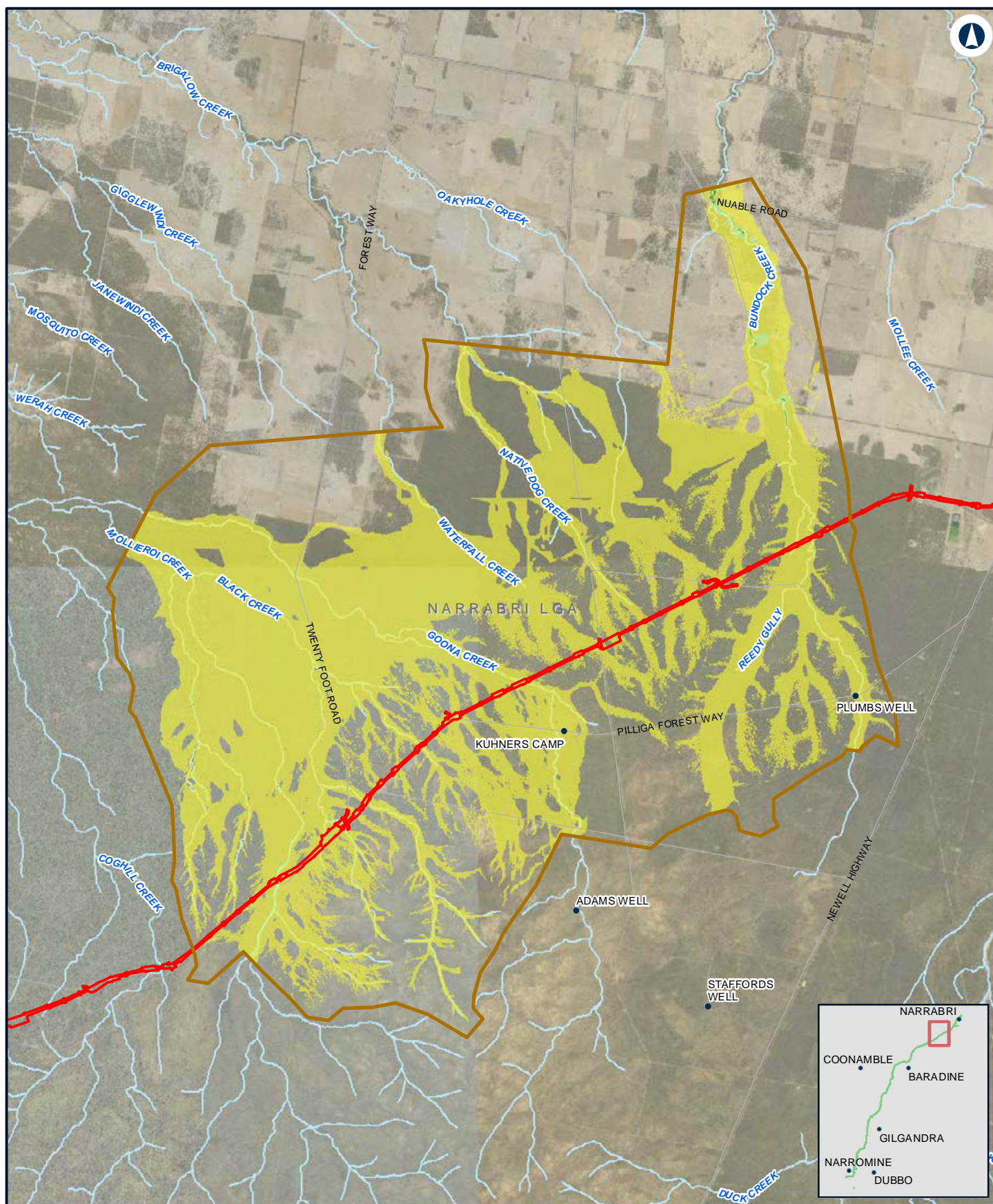
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARRABRI TO NARRABRI

Existing peak velocity - 1% AEP with climate change - N2N23

Appendix D Figure 2.5I

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 velocity

0.0m/s - 1.0m/s

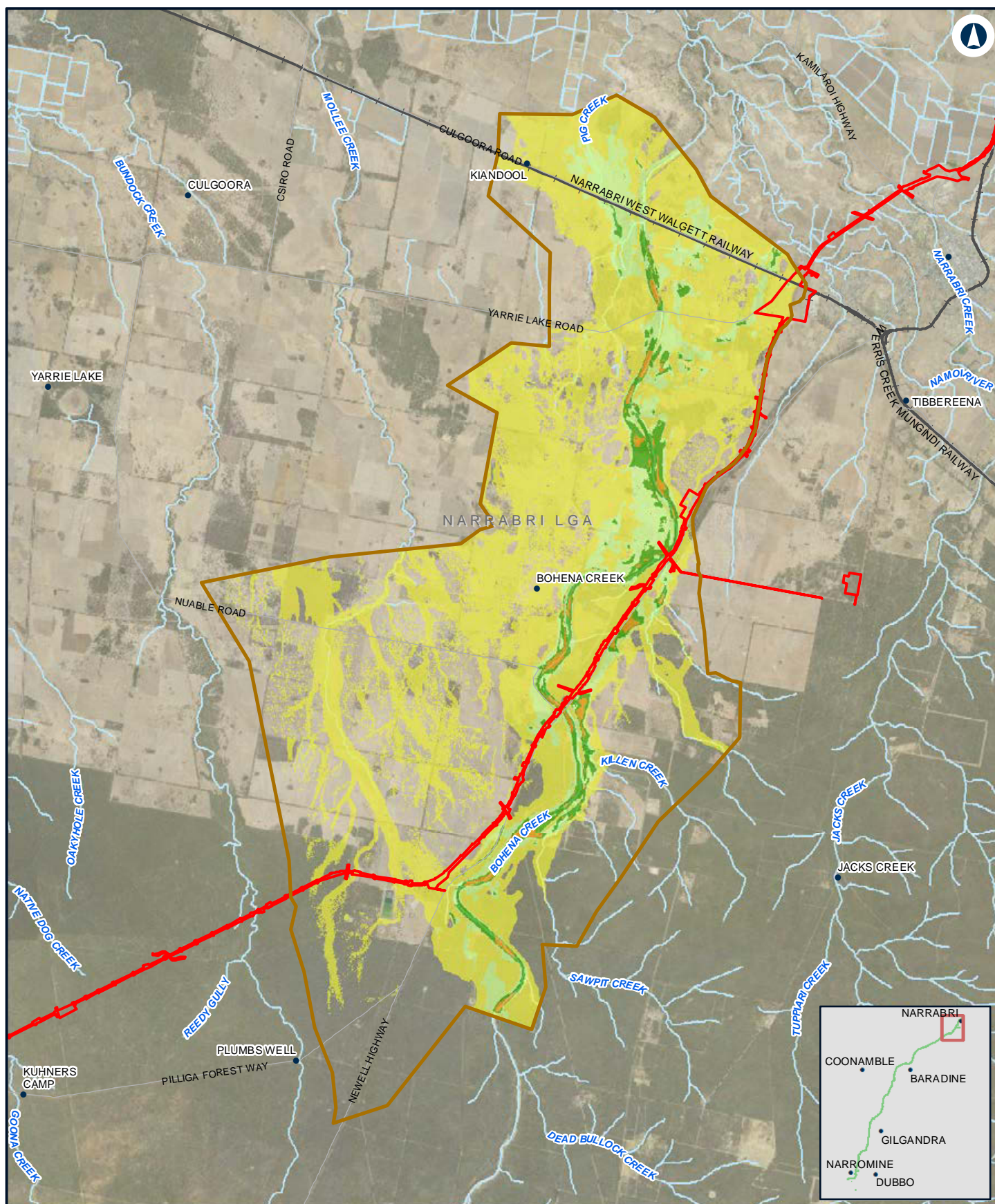
1.0m/s - 1.5m/s

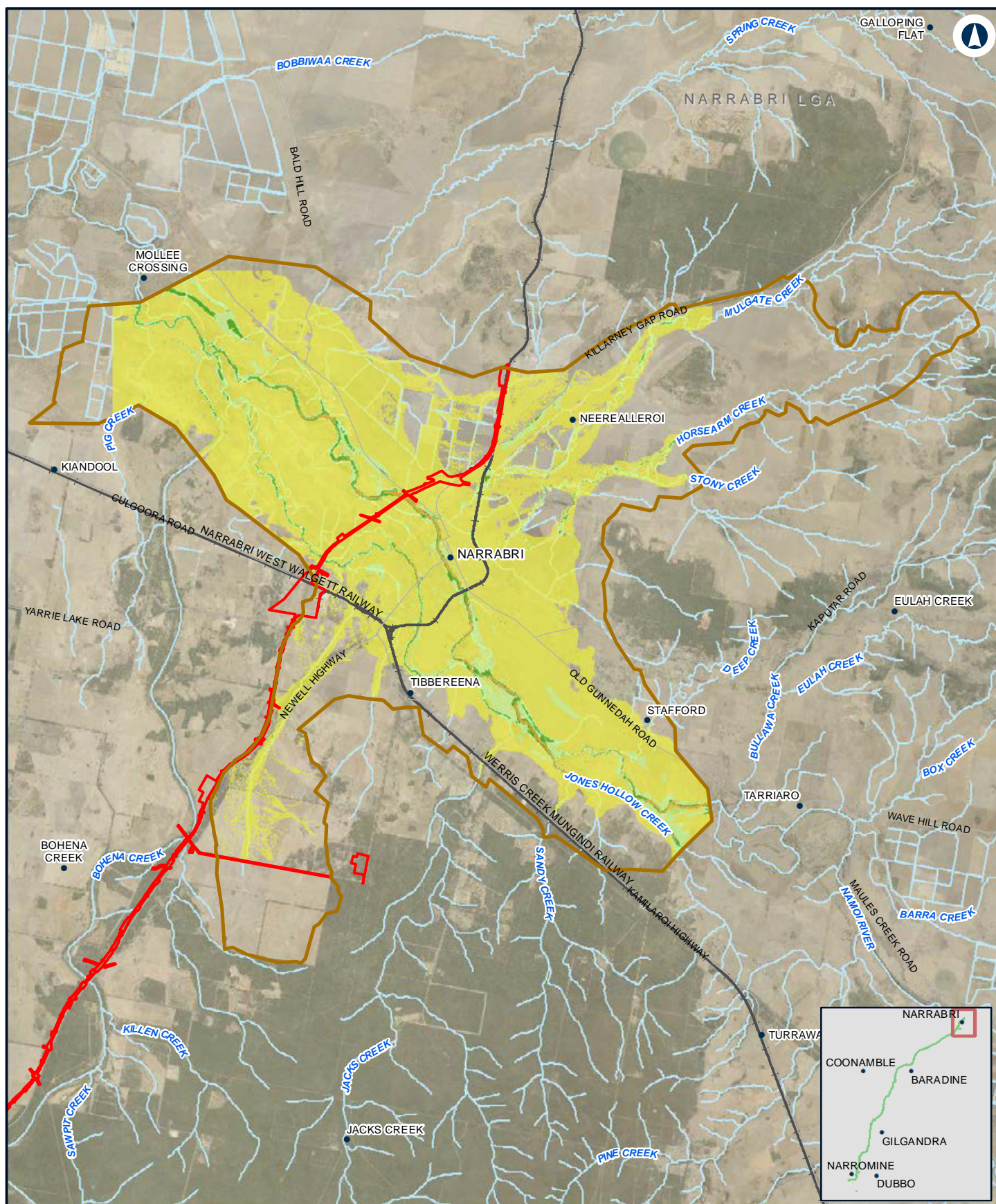
1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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Narromine to Narrabri

Existing peak velocity - 1% AEP with climate change - Narrabri

Appendix D Figure 2.5n

0 2 4
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: 1:160,000

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

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

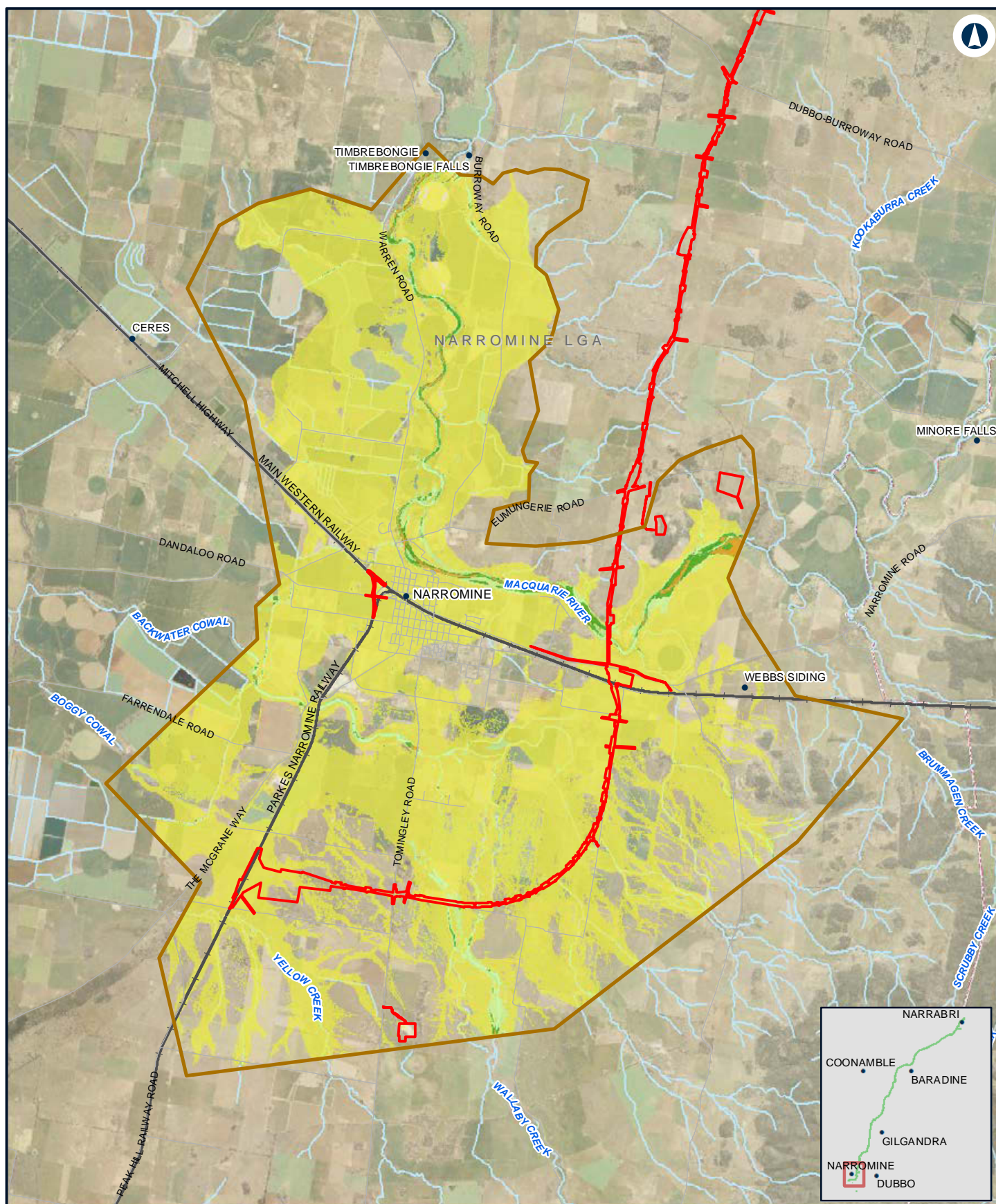
1.0m/s - 1.5m/s

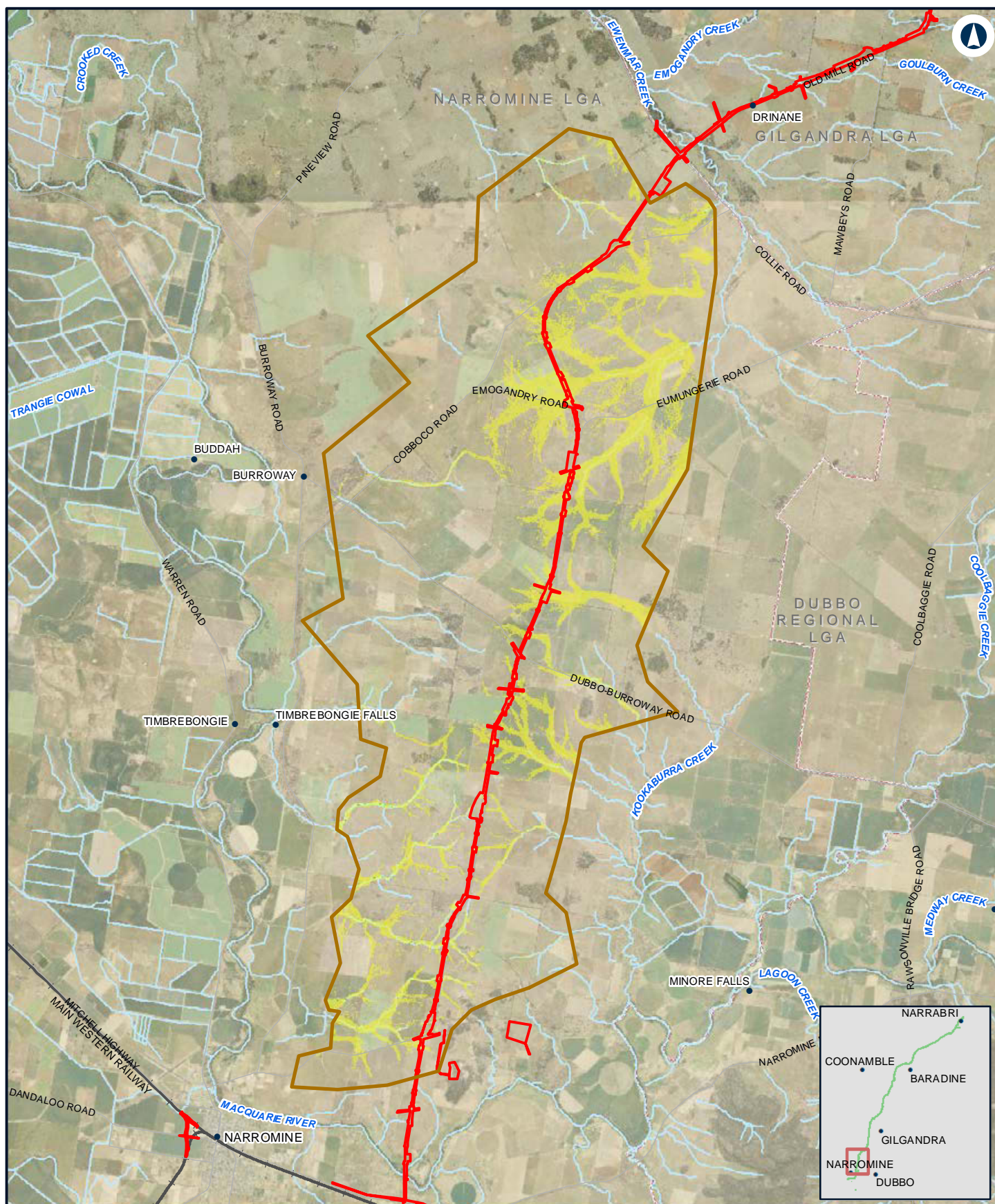
1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N14

Appendix D - Figure 2.6b

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 velocity

0.0m/s - 1.0m/s

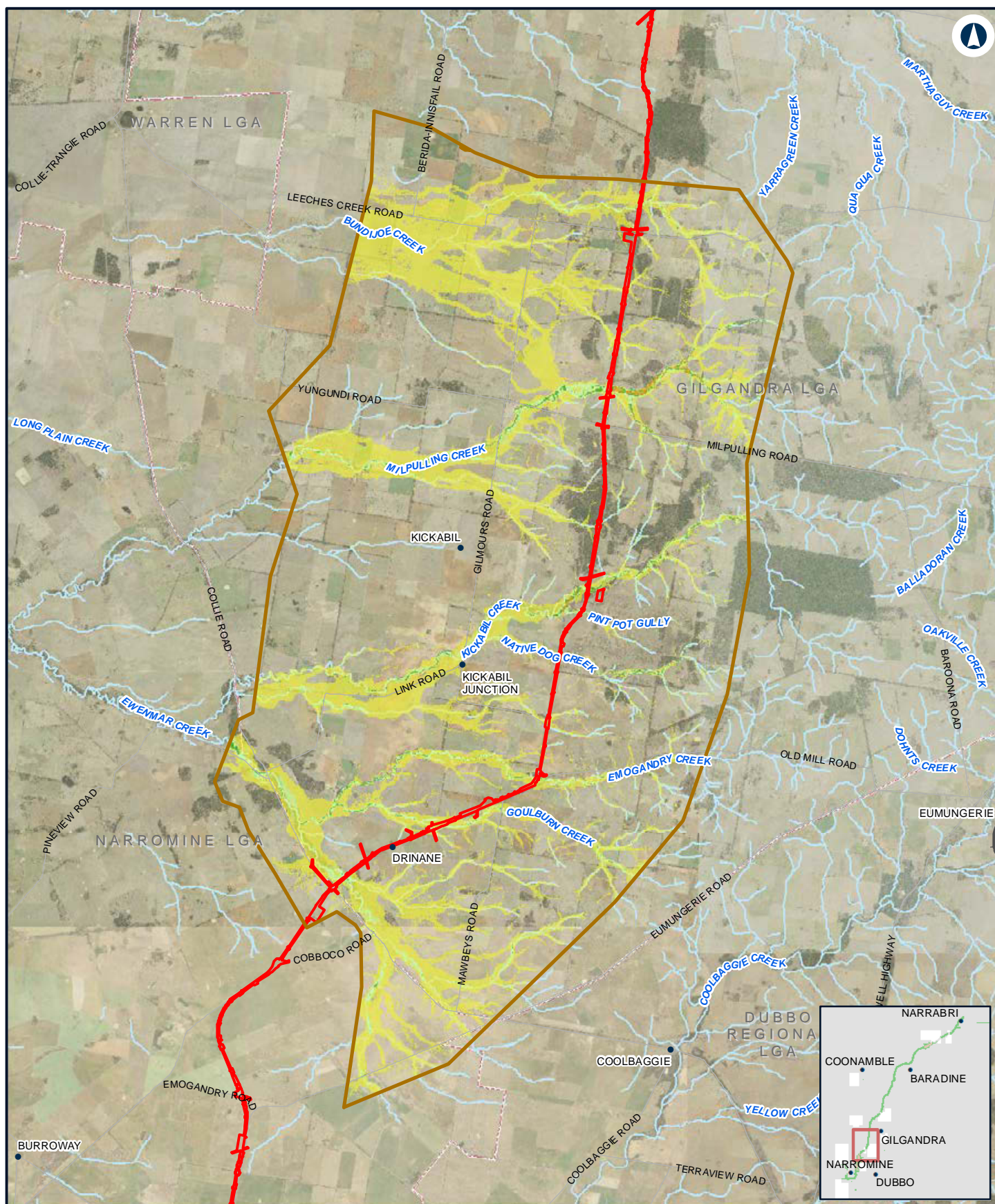
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N13

Appendix D - Figure 2.6c

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

Flood velocity

0.0m/s - 1.0m/s

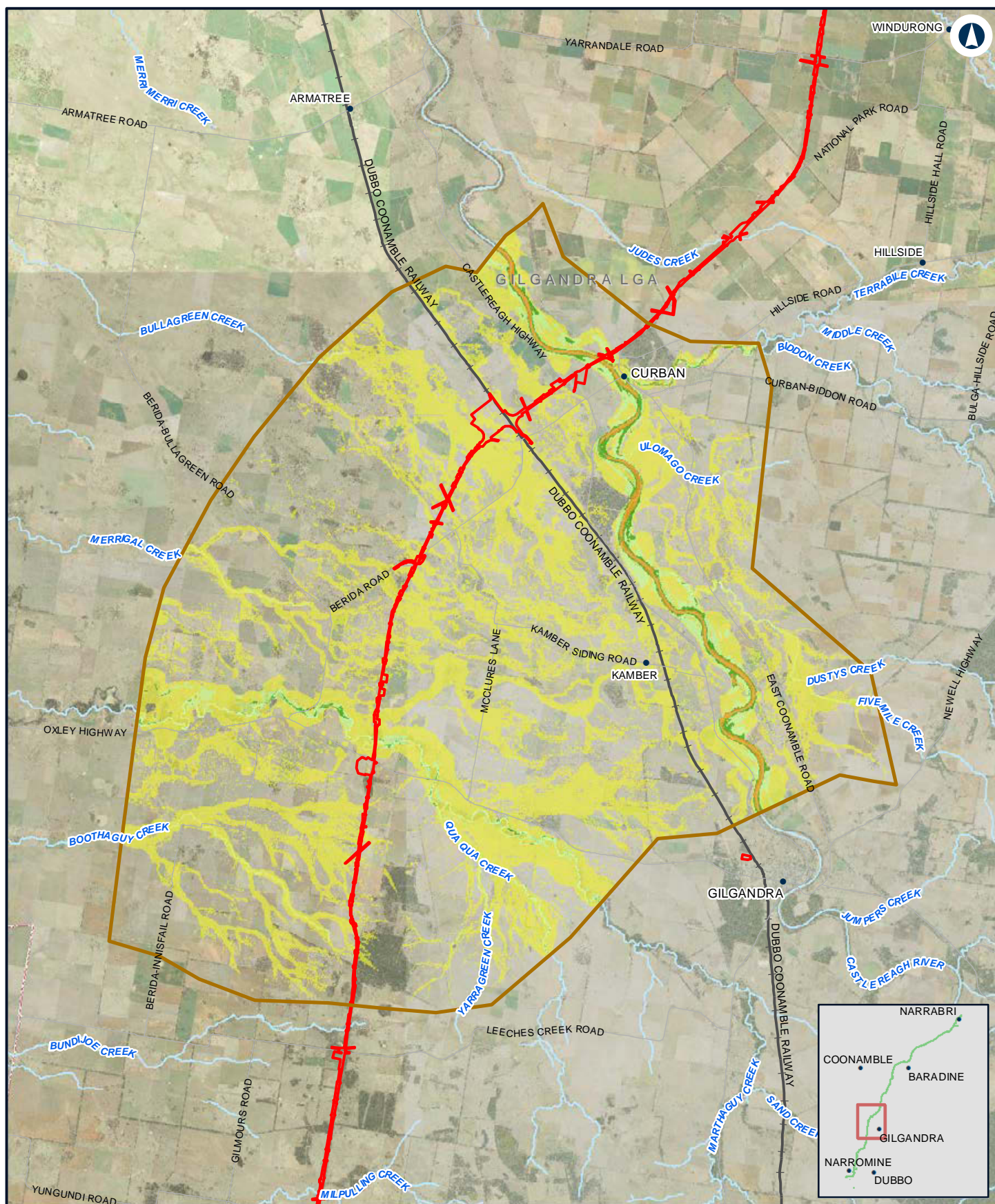
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N11N12

Appendix D - Figure 2.6d

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

Flood velocity

0.0m/s - 1.0m/s

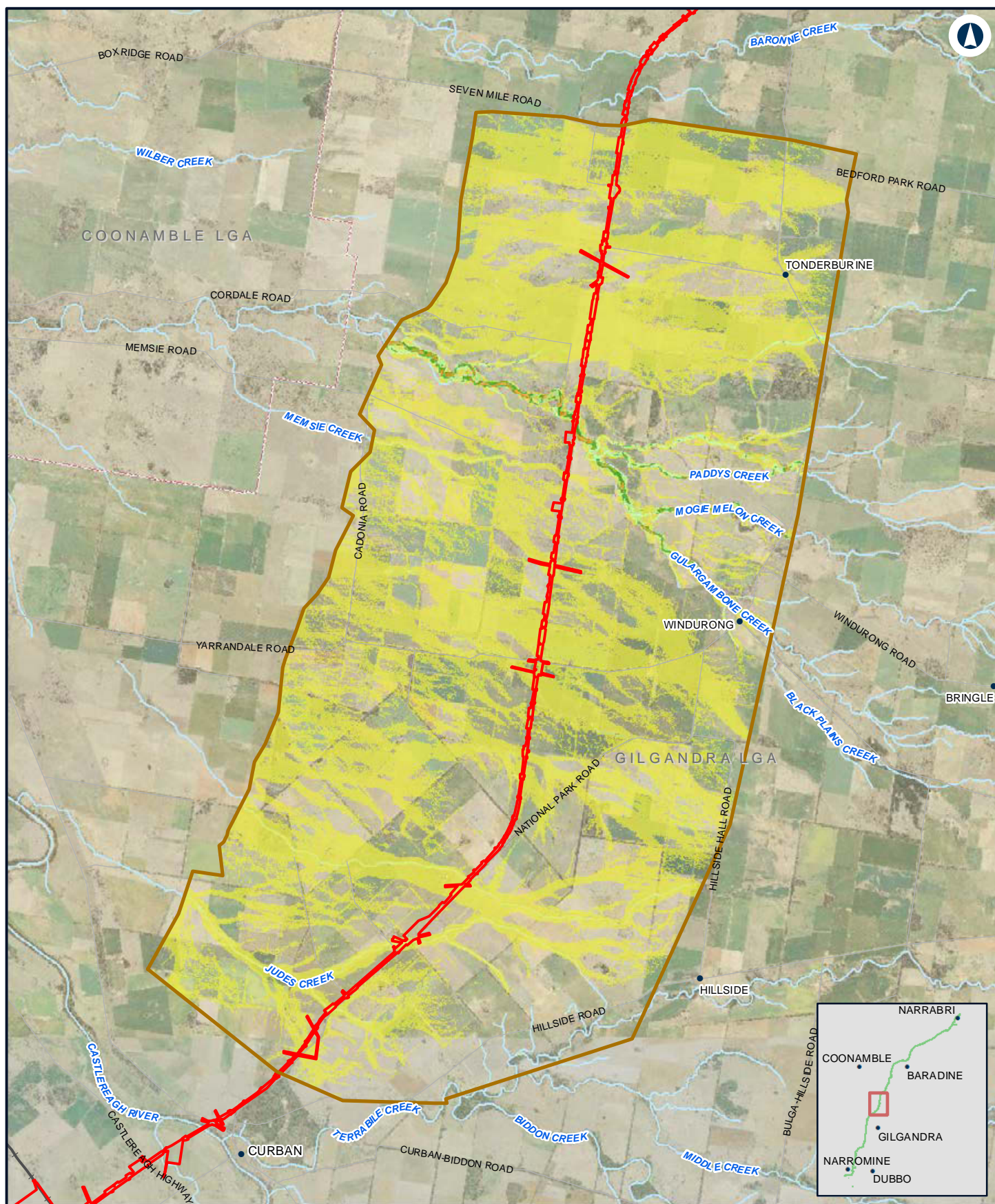
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N10

Appendix D - Figure 2.6e

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 velocity

0.0m/s - 1.0m/s

1.0m/s - 1.5m/s

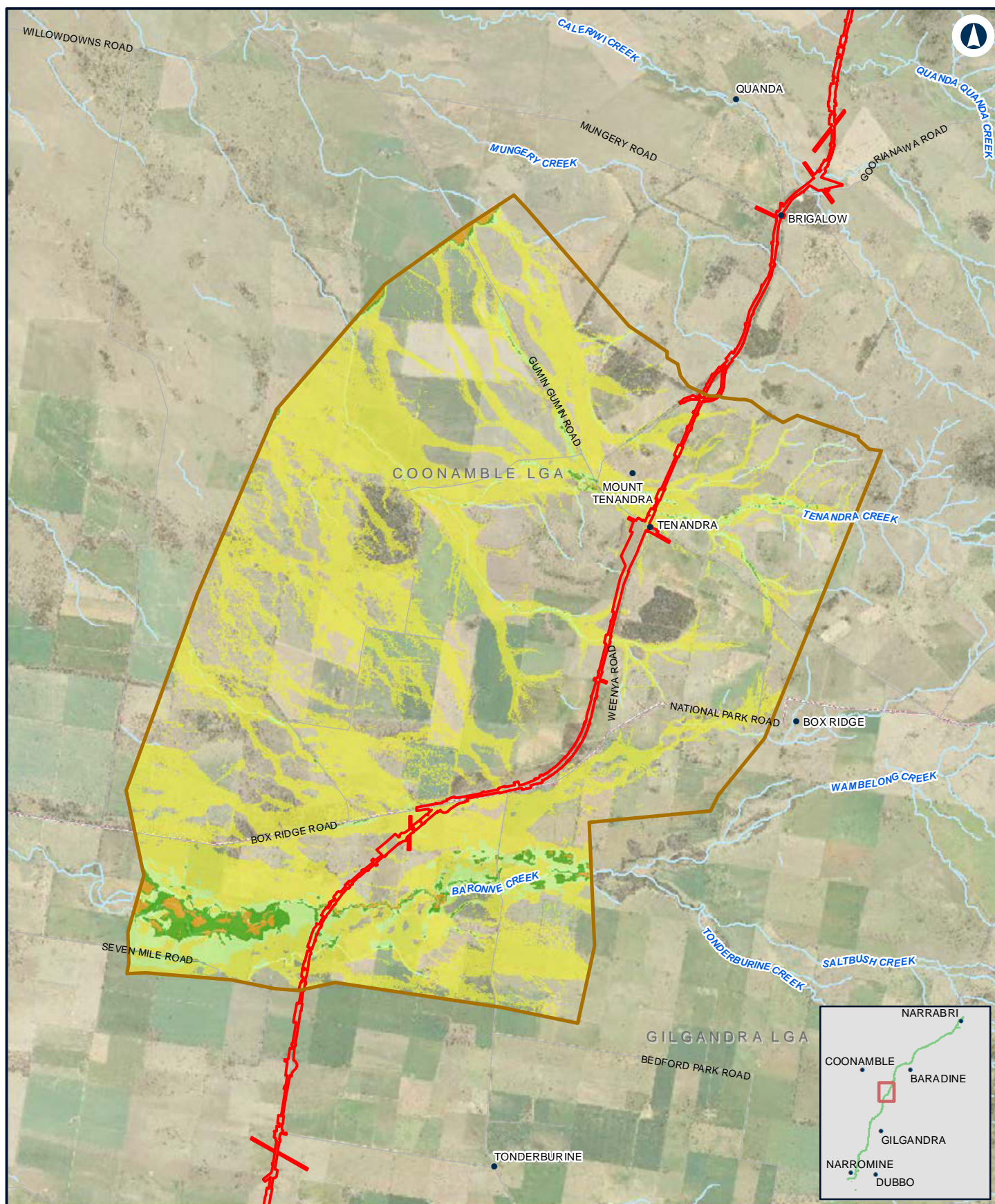
1.5m/s - 2.0m/s

> 2.0m/s

**INLAND
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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N9

Appendix D - Figure 2.6f

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: 1:110,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

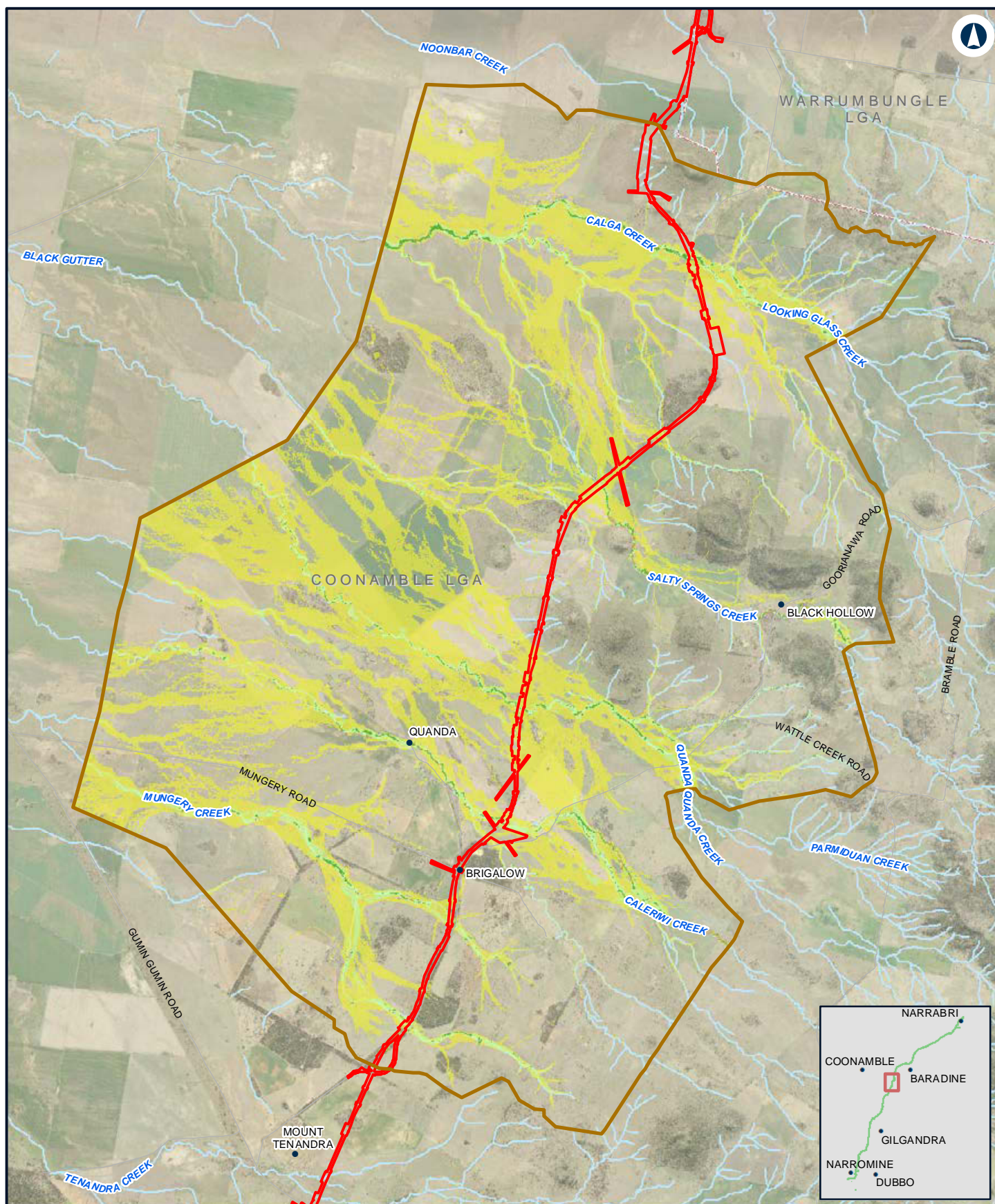
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N8

Appendix D - Figure 2.6g

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 velocity

0.0m/s - 1.0m/s

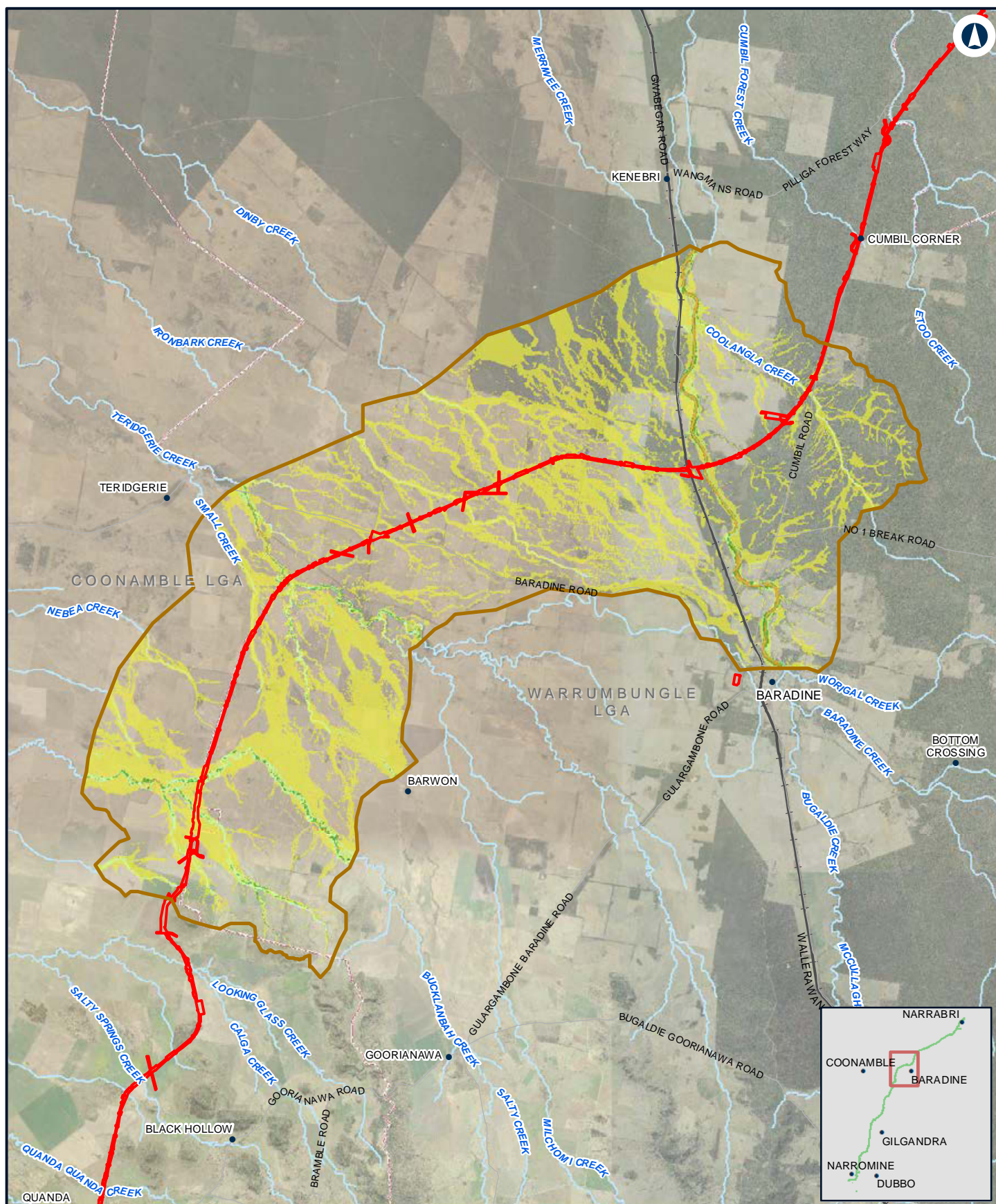
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N7

Appendix D - Figure 2.6h

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 velocity

0.0m/s - 1.0m/s

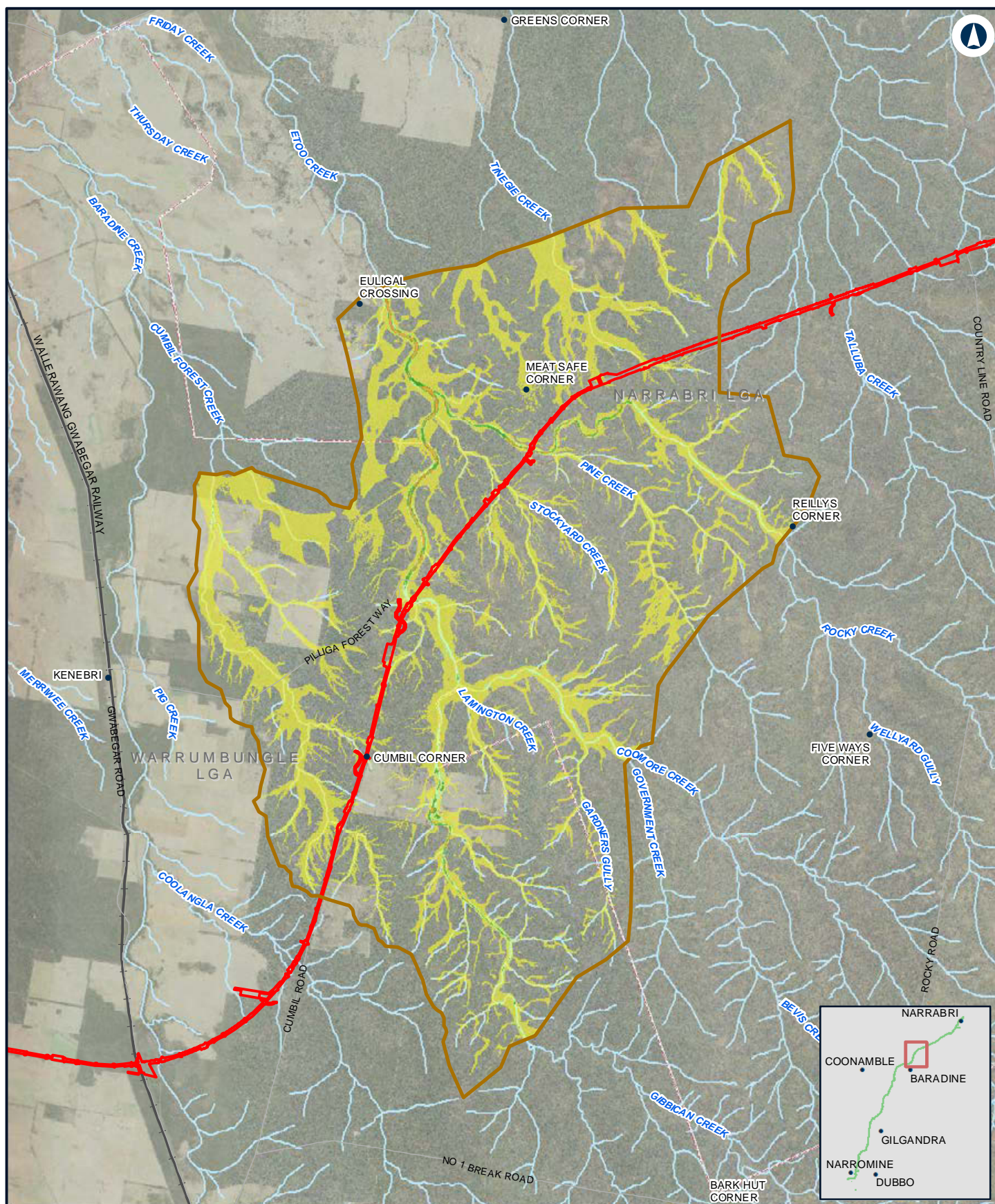
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N6

Appendix D - Figure 2.6i

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

Flood velocity

0.0m/s - 1.0m/s

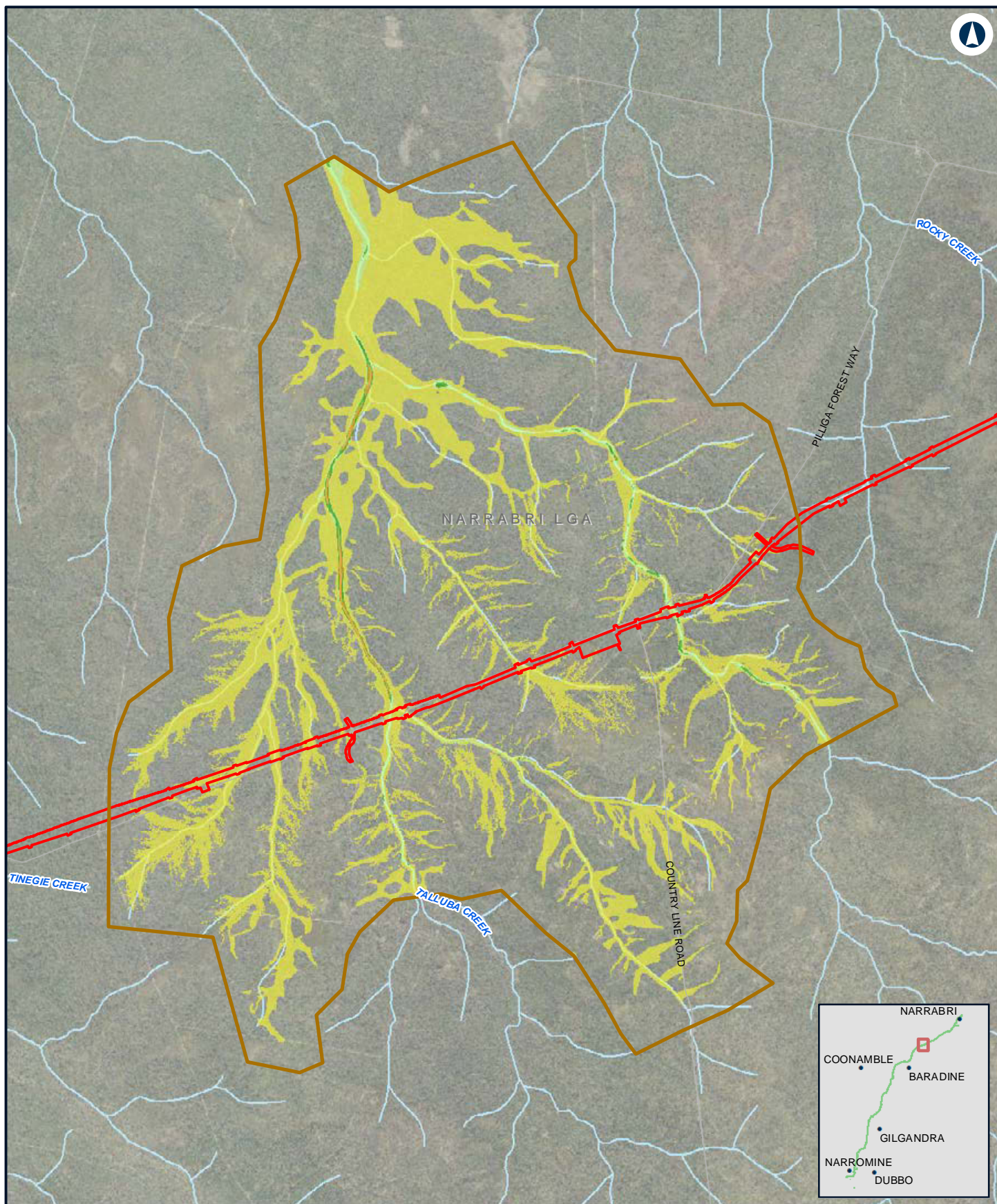
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N5

Appendix D - Figure 2.6j

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 velocity

0.0m/s - 1.0m/s

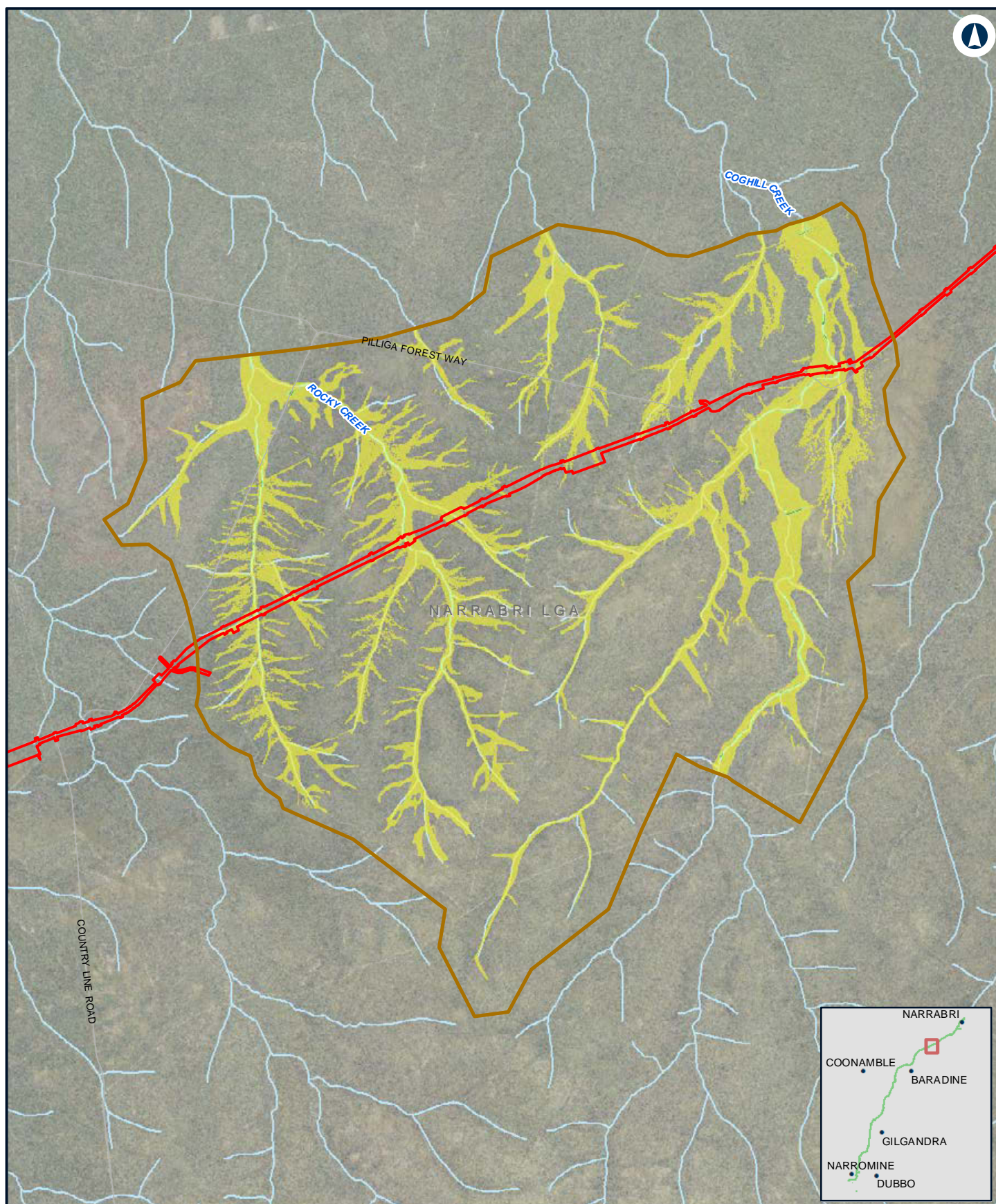
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N4

Appendix D - Figure 2.6k

0 1 2
Km

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

Flood velocity

0.0m/s - 1.0m/s

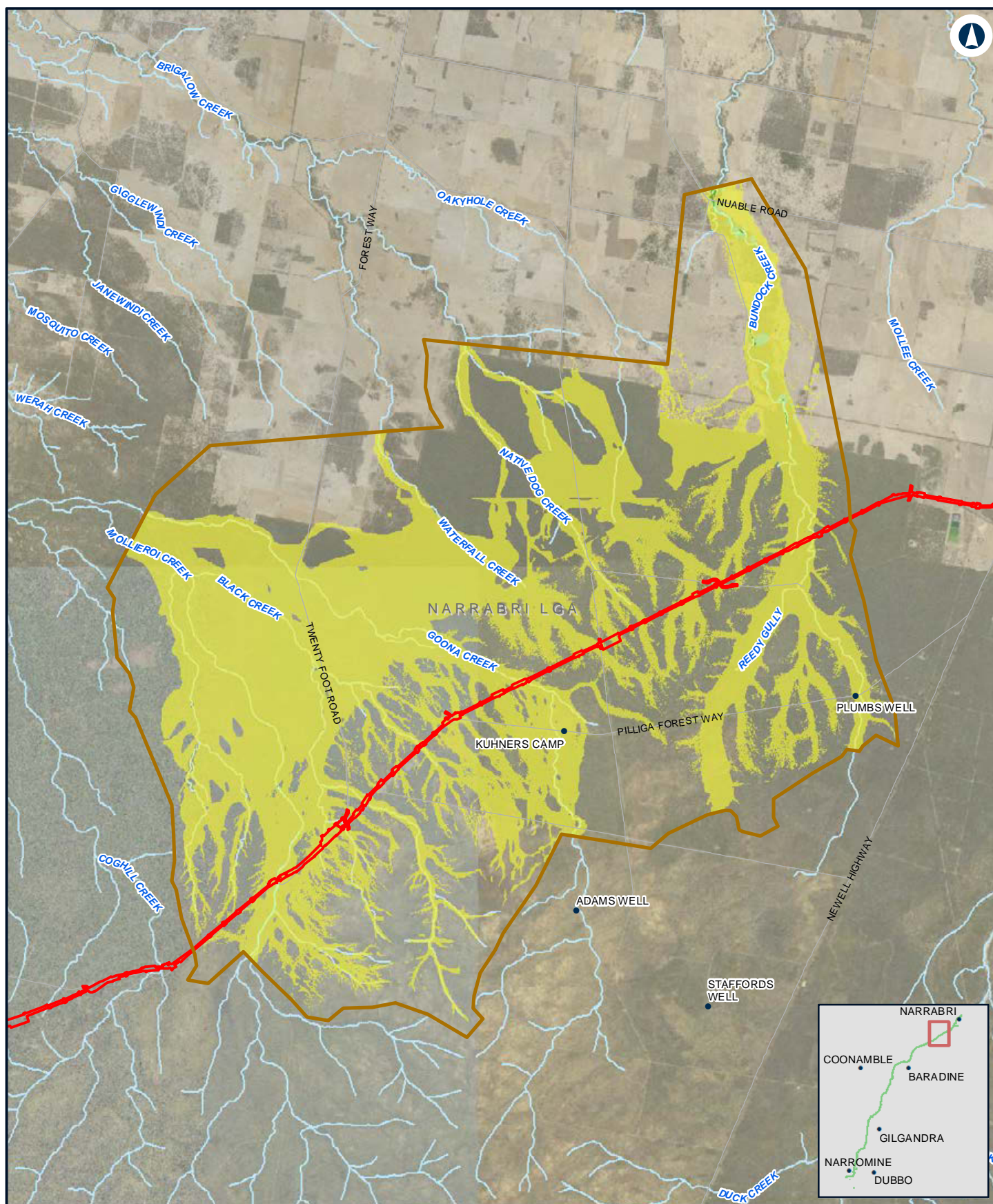
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARRABRI TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N23

Appendix D - Figure 2.6I

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

Flood velocity

0.0m/s - 1.0m/s

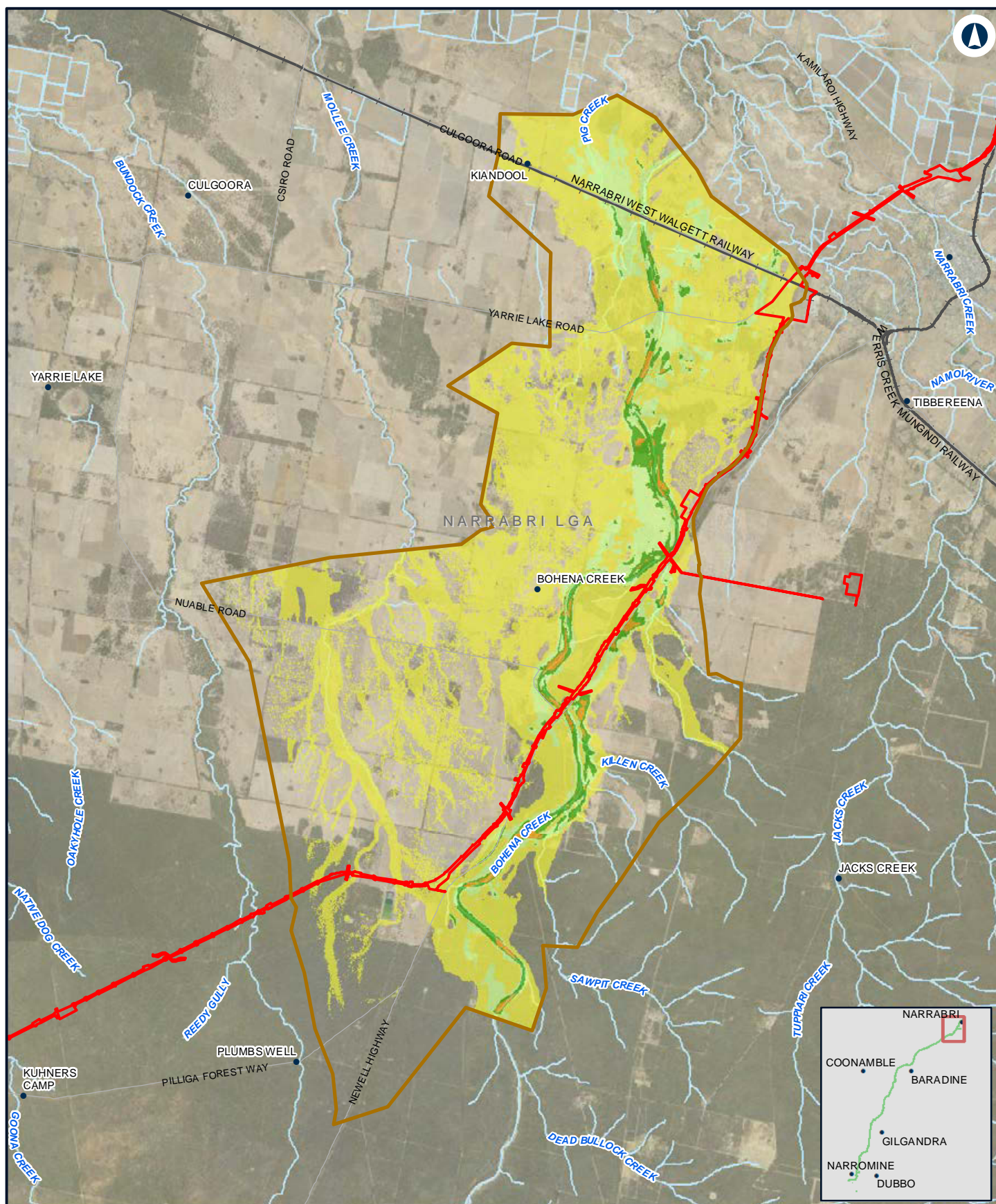
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.5% AEP - N2N1

Appendix D - Figure 2.6m

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

Flood velocity

0.0m/s - 1.0m/s

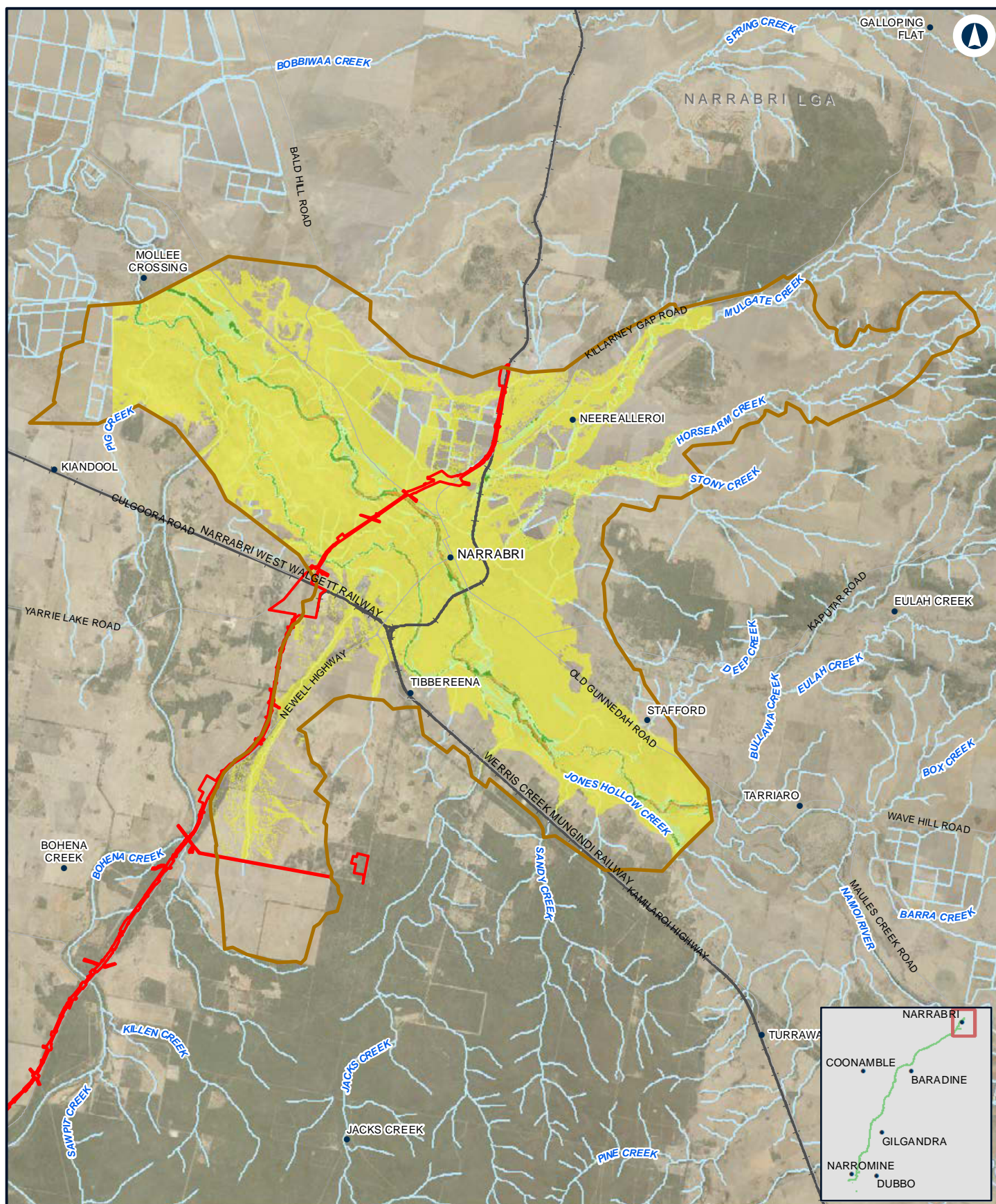
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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Narromine to Narrabri

Existing peak velocity - 0.5% AEP - Narrabri

Appendix D - Figure 2.6n

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 velocity

0.0m/s - 1.0m/s

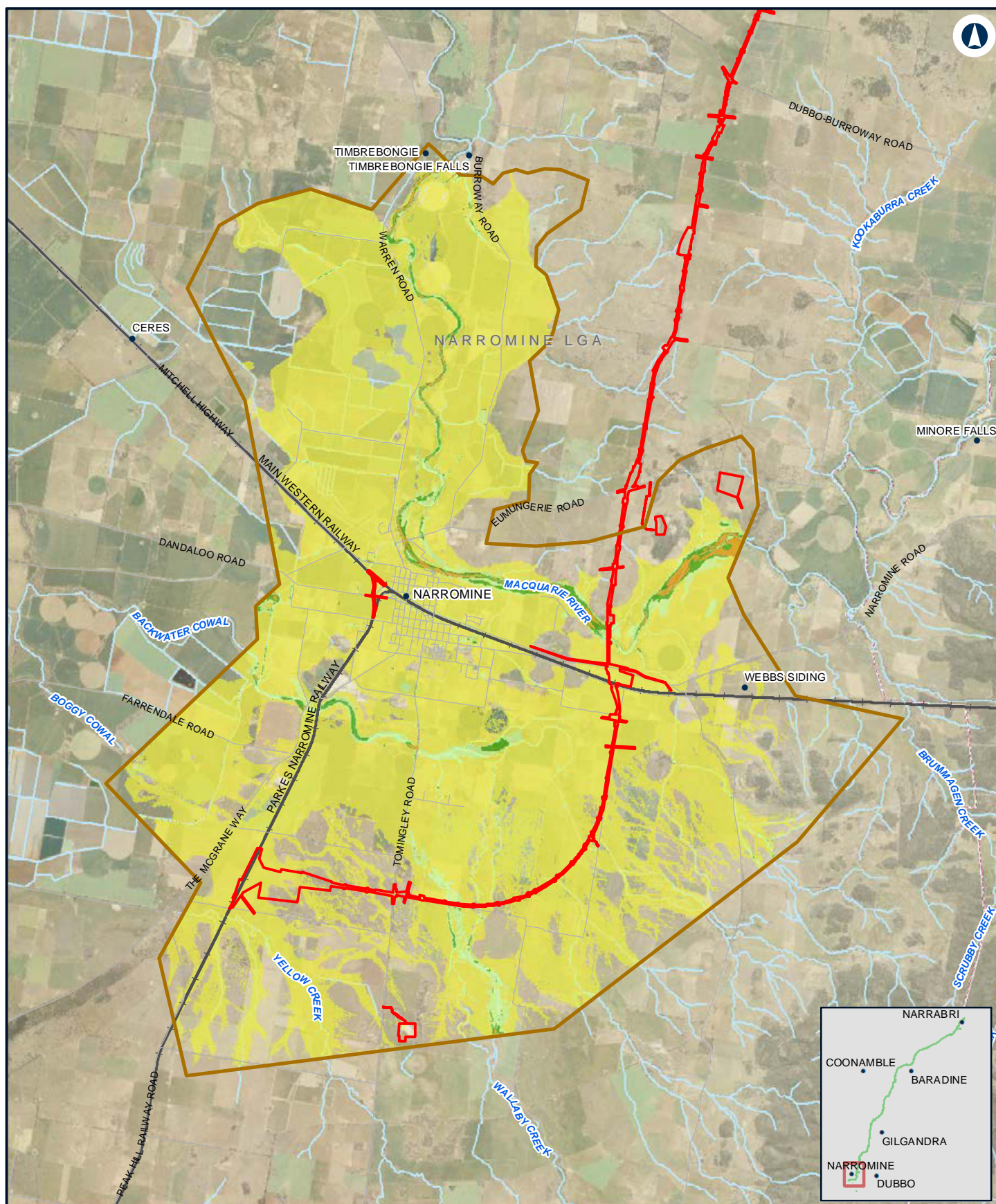
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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



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 velocity

0.0m/s - 1.0m/s

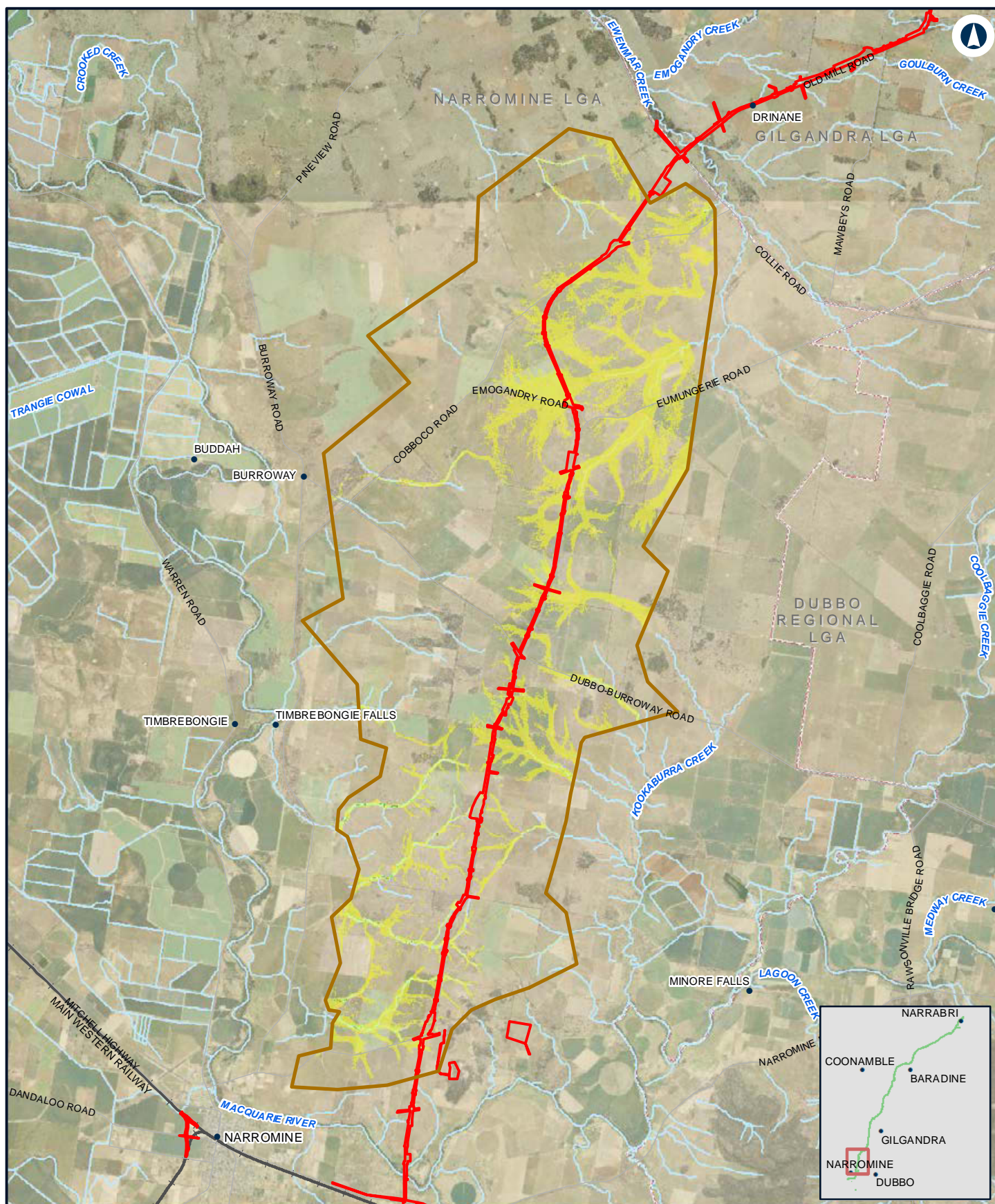
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N14

Appendix D - Figure 2.7b

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 velocity

0.0m/s - 1.0m/s

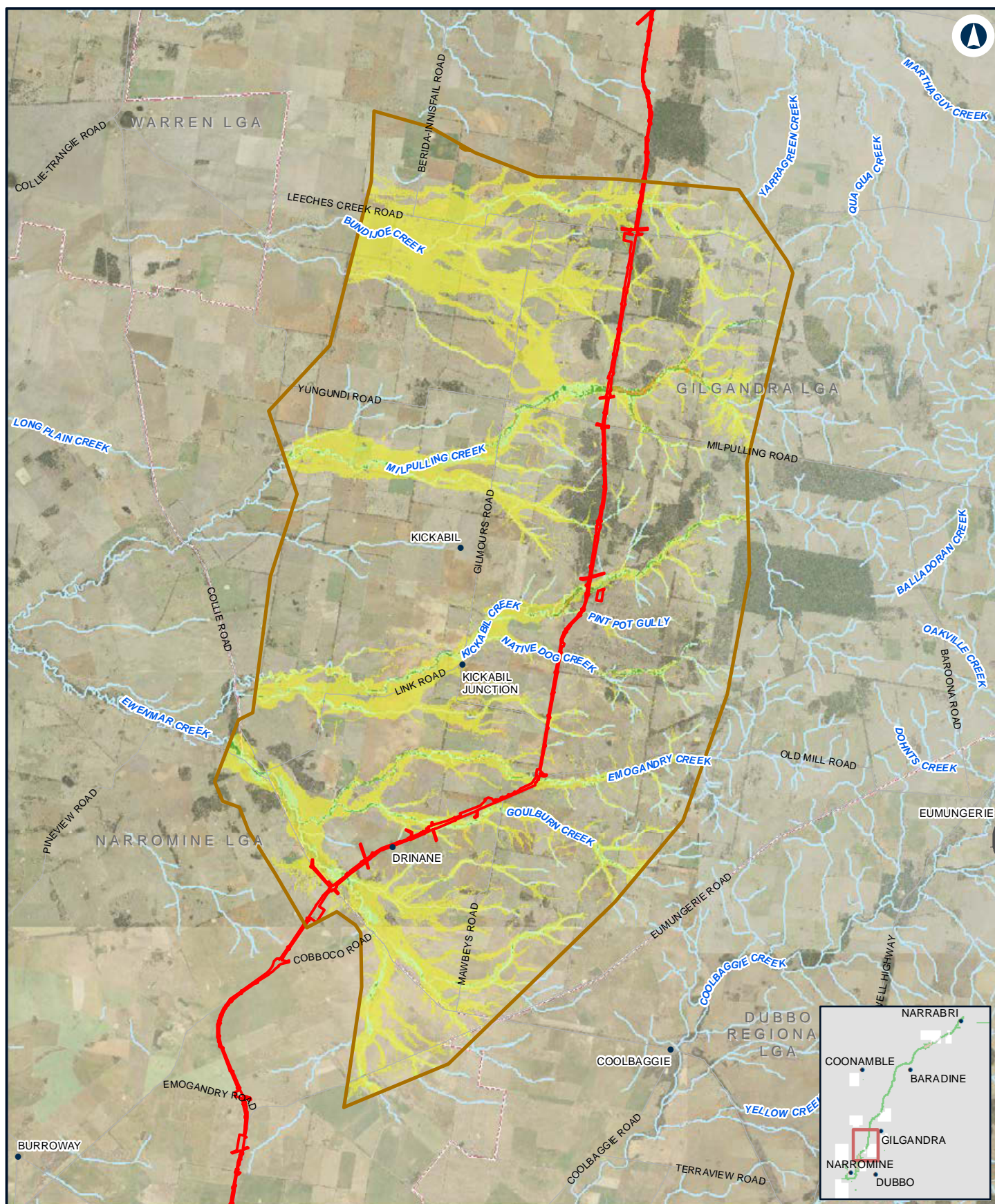
1.0m/s - 1.5m/s

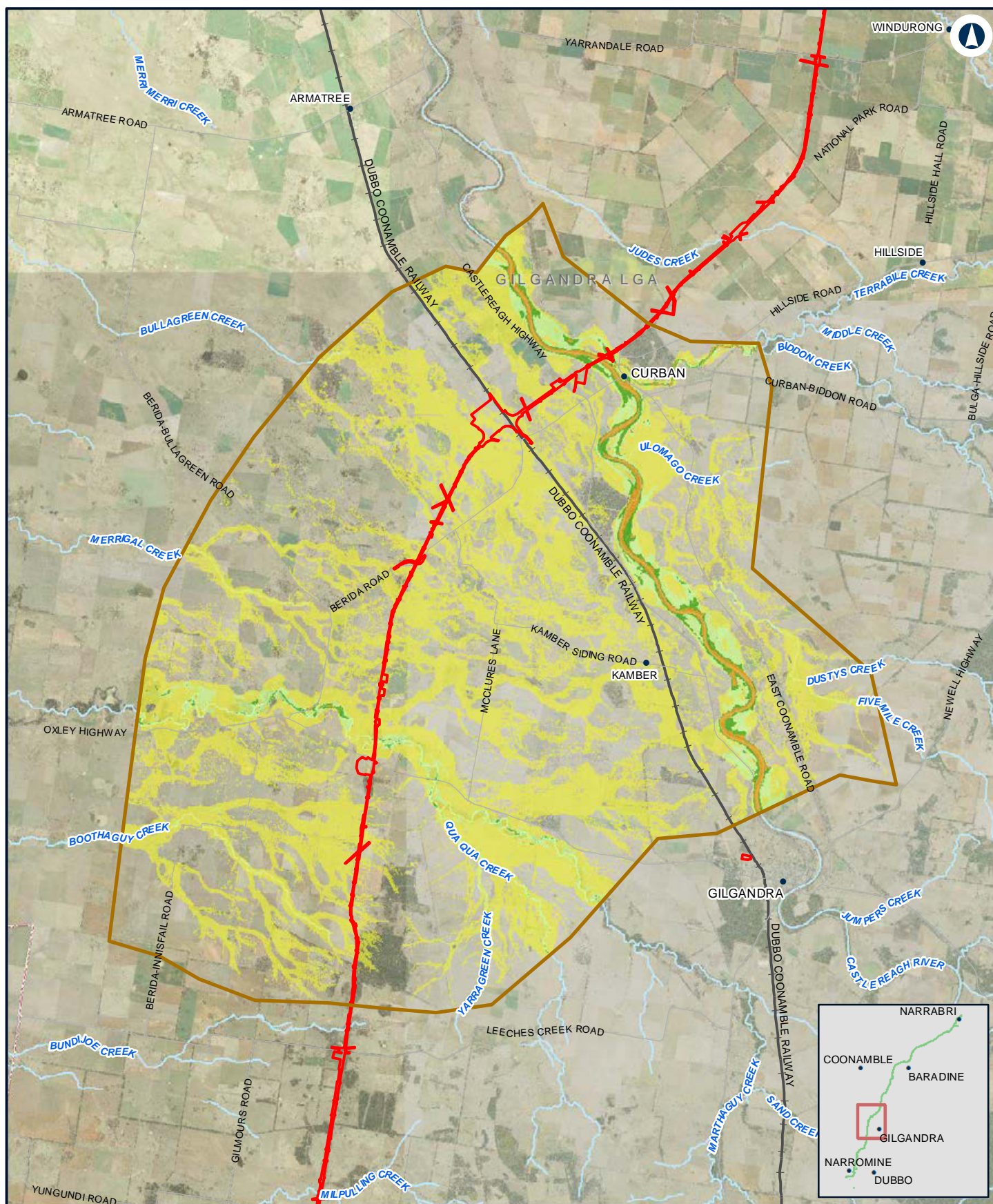
1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N11N12

Appendix D - Figure 2.7d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/01/2022

Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

 The proposal site

 Model boundary

Flood velocity

0.0m/s - 1.0m/s

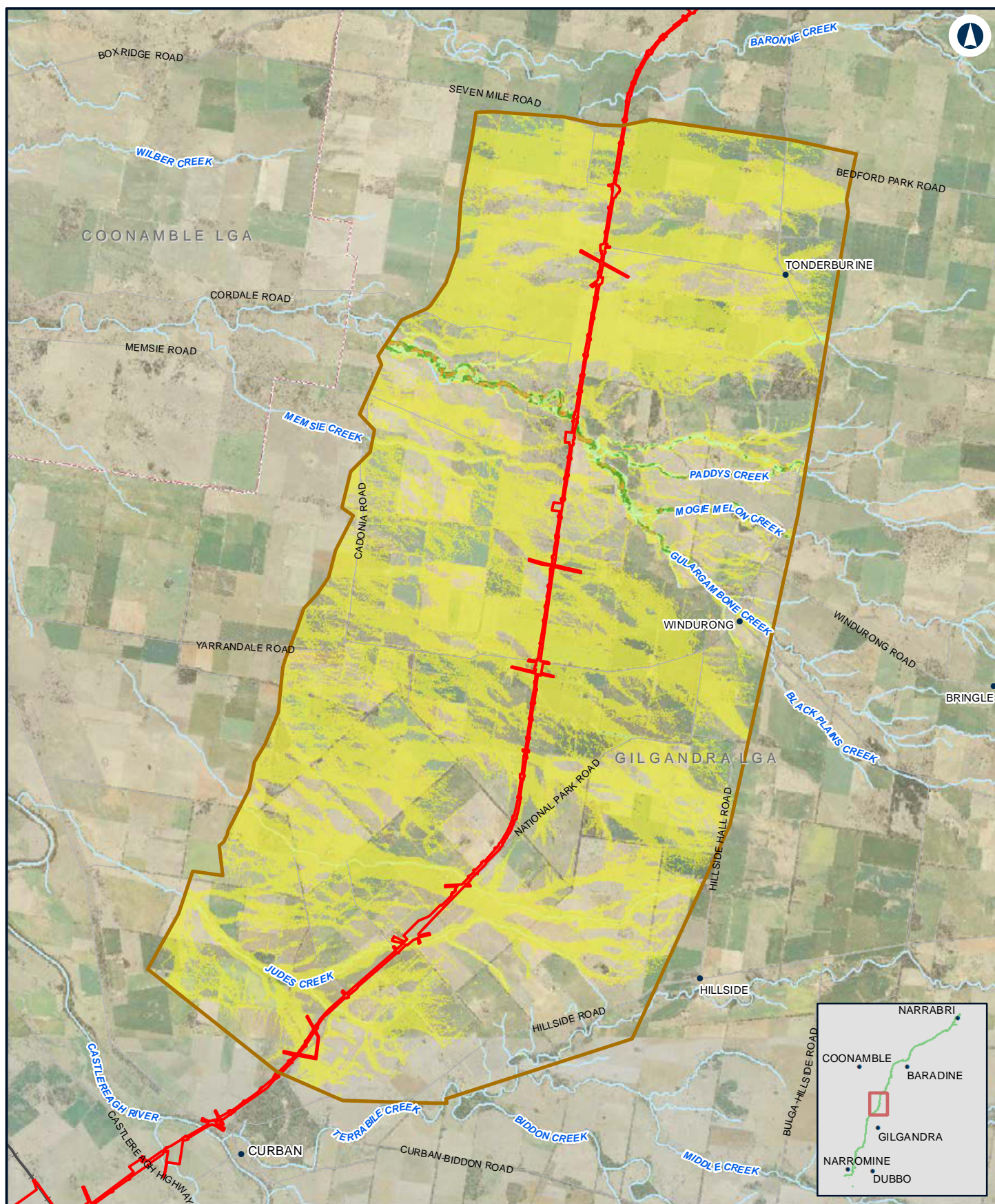
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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 peak velocity - 0.2% AEP - N2N10

Appendix D - Figure 2.7e

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 velocity

0.0m/s - 1.0m/s

1.0m/s - 1.5m/s

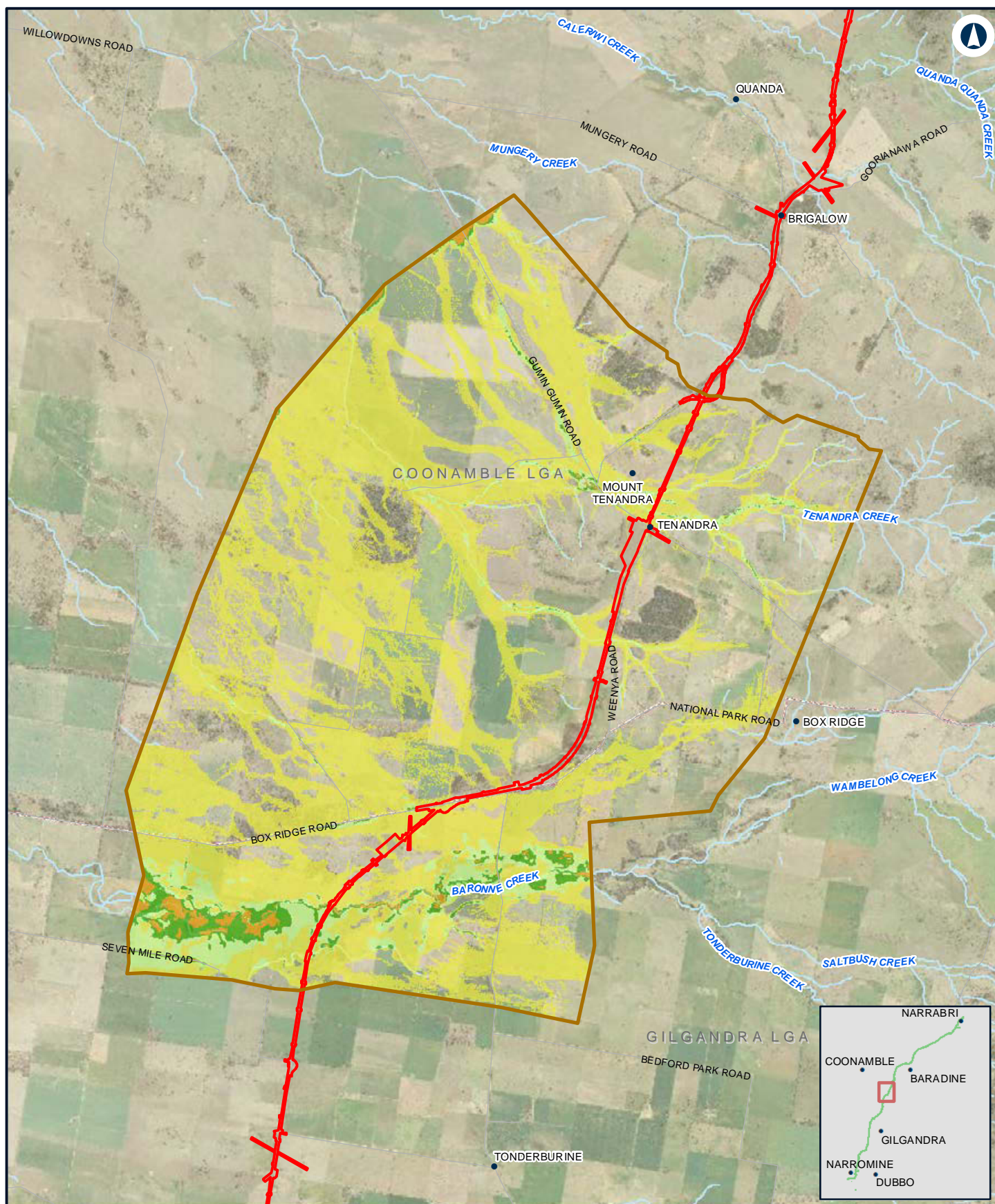
1.5m/s - 2.0m/s

> 2.0m/s

**INLAND
RAIL**

ARTC

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N9

Appendix D - Figure 2.7f

0 1.5 3 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 Paper: A4
Author: JacobsGHD Scale: 1:110,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

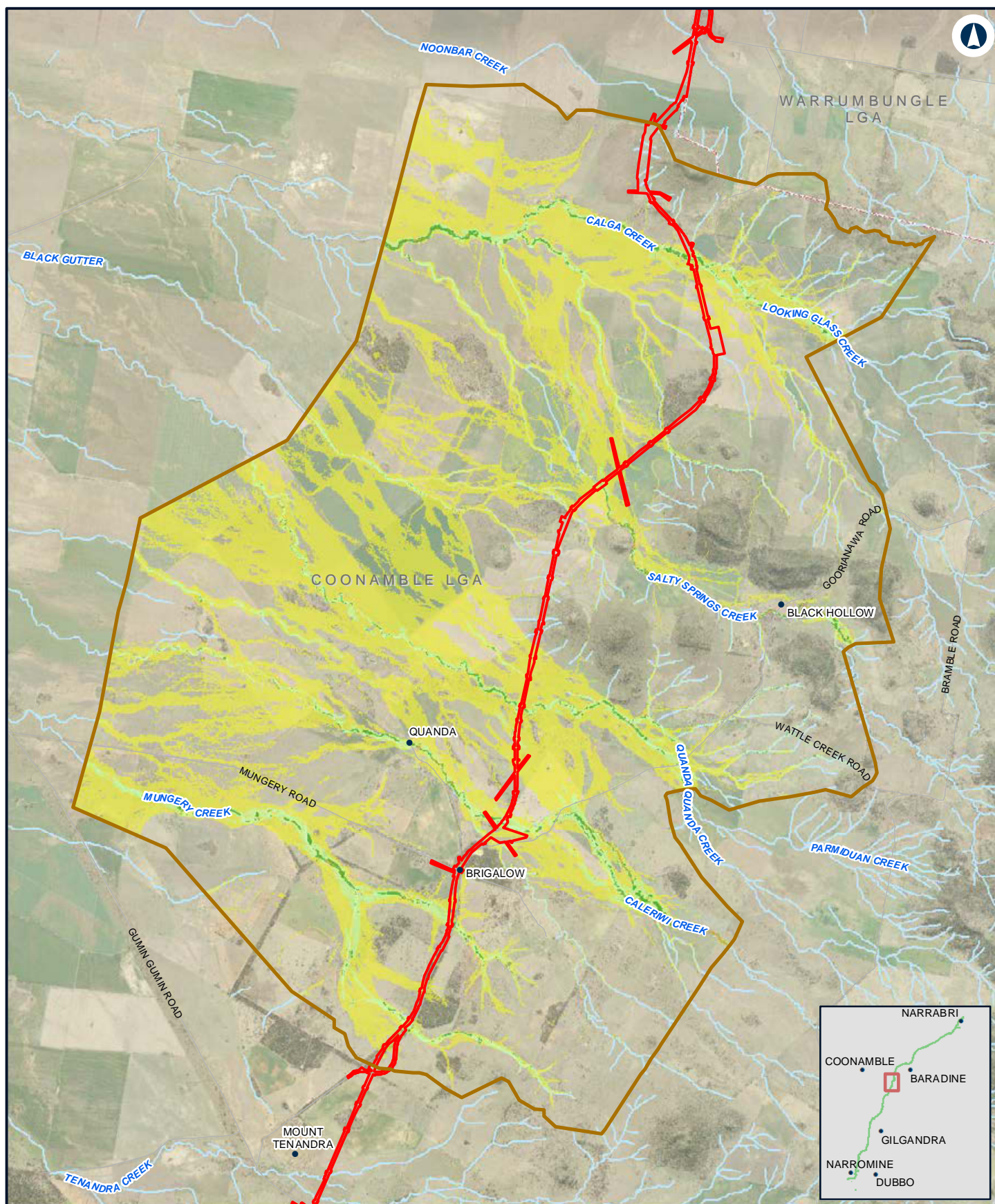
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N8

Appendix D - Figure 2.7g

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: 1:100,000

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

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

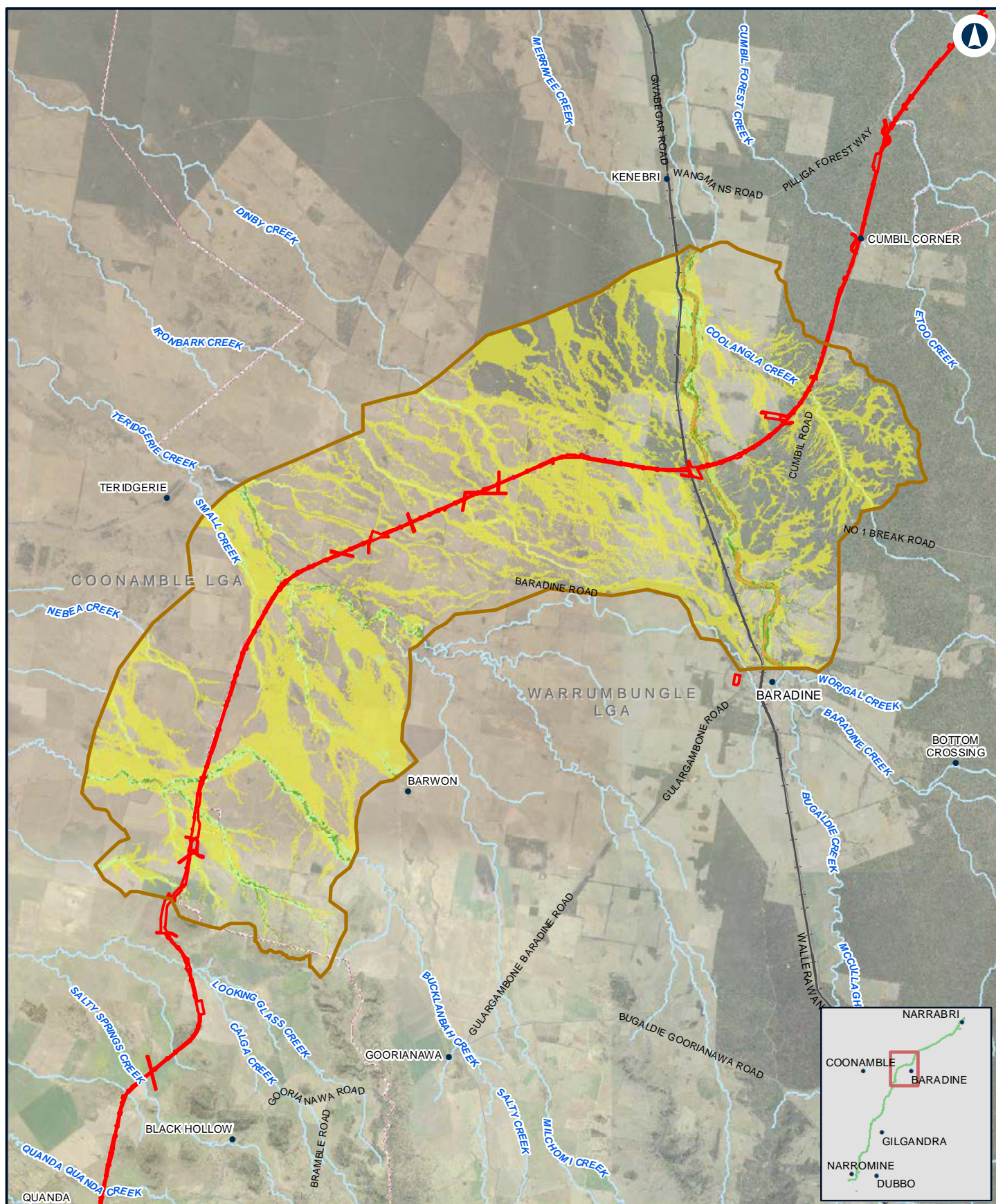
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N7

Appendix D - Figure 2.7h

0 2.5 5
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: 1:200,000

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

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

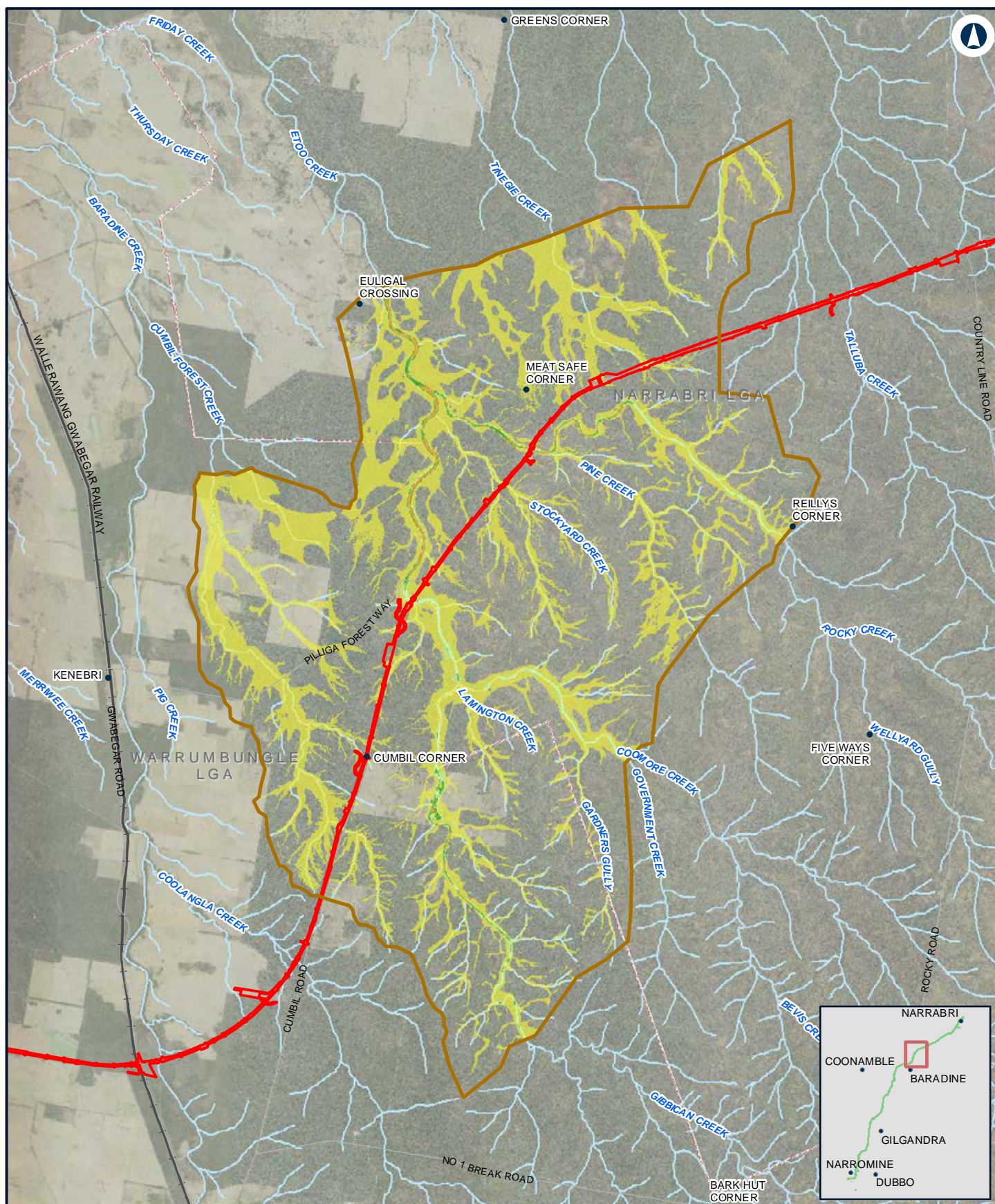
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N6

Appendix D - Figure 2.7i

0 2 4 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: 1:150,000

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

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

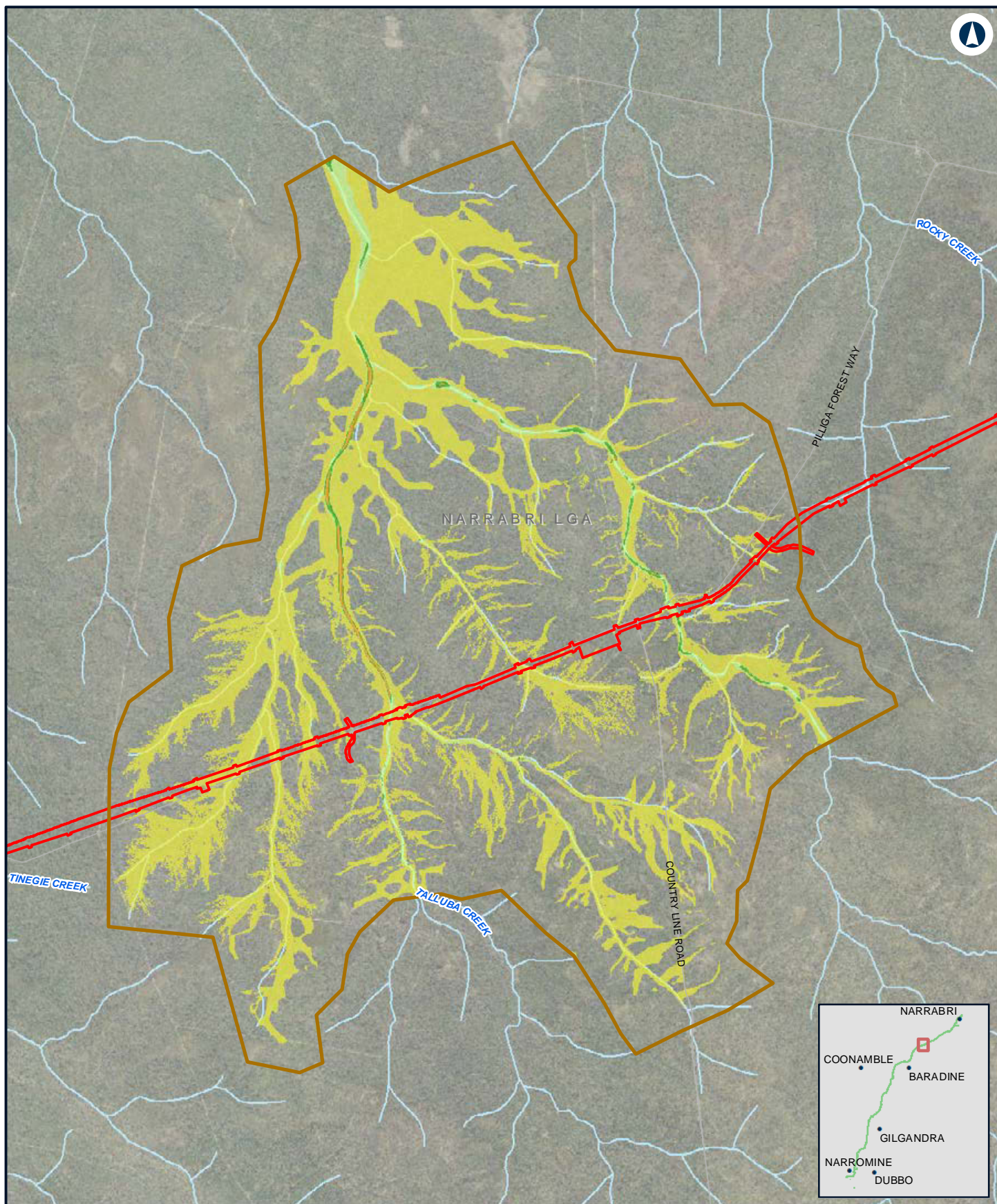
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N5

Appendix D - Figure 2.7j

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: 1:70,000

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

LEGEND

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

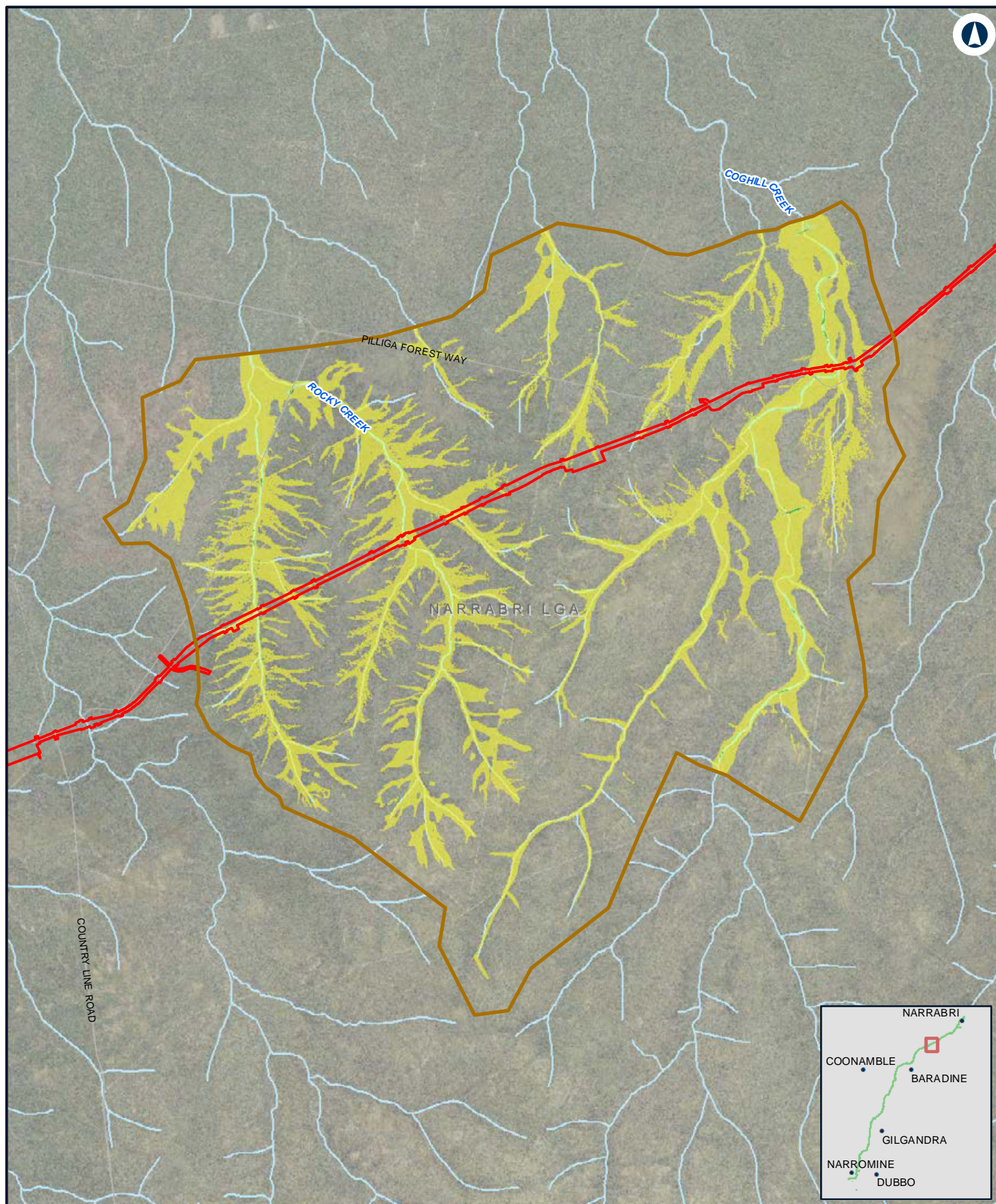
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N4

Appendix D - Figure 2.7k

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

The proposal site

Model boundary

Flood velocity

0.0m/s - 1.0m/s

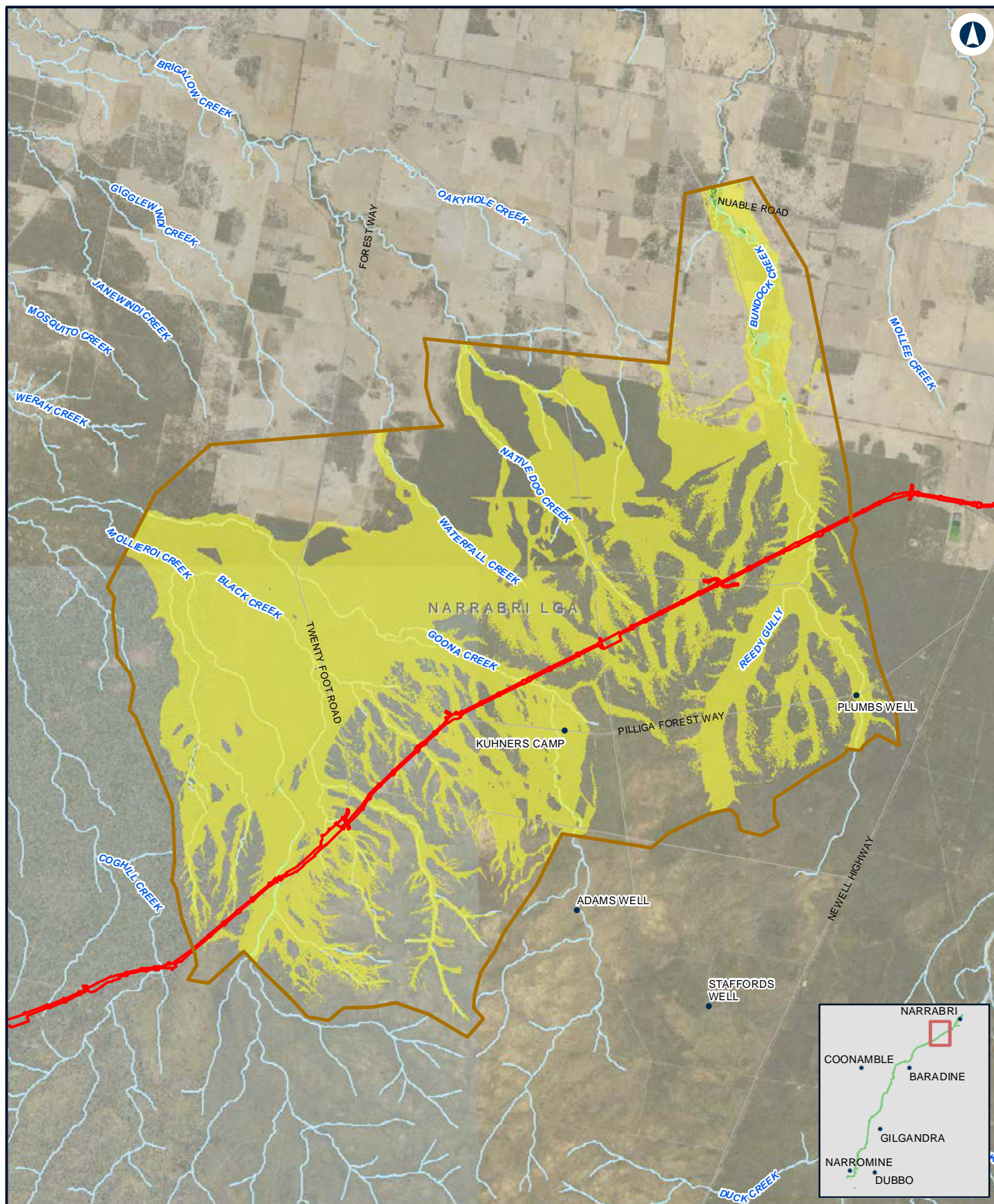
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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NARRABRI TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N23

Appendix D - Figure 2.7I

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 velocity

0.0m/s - 1.0m/s

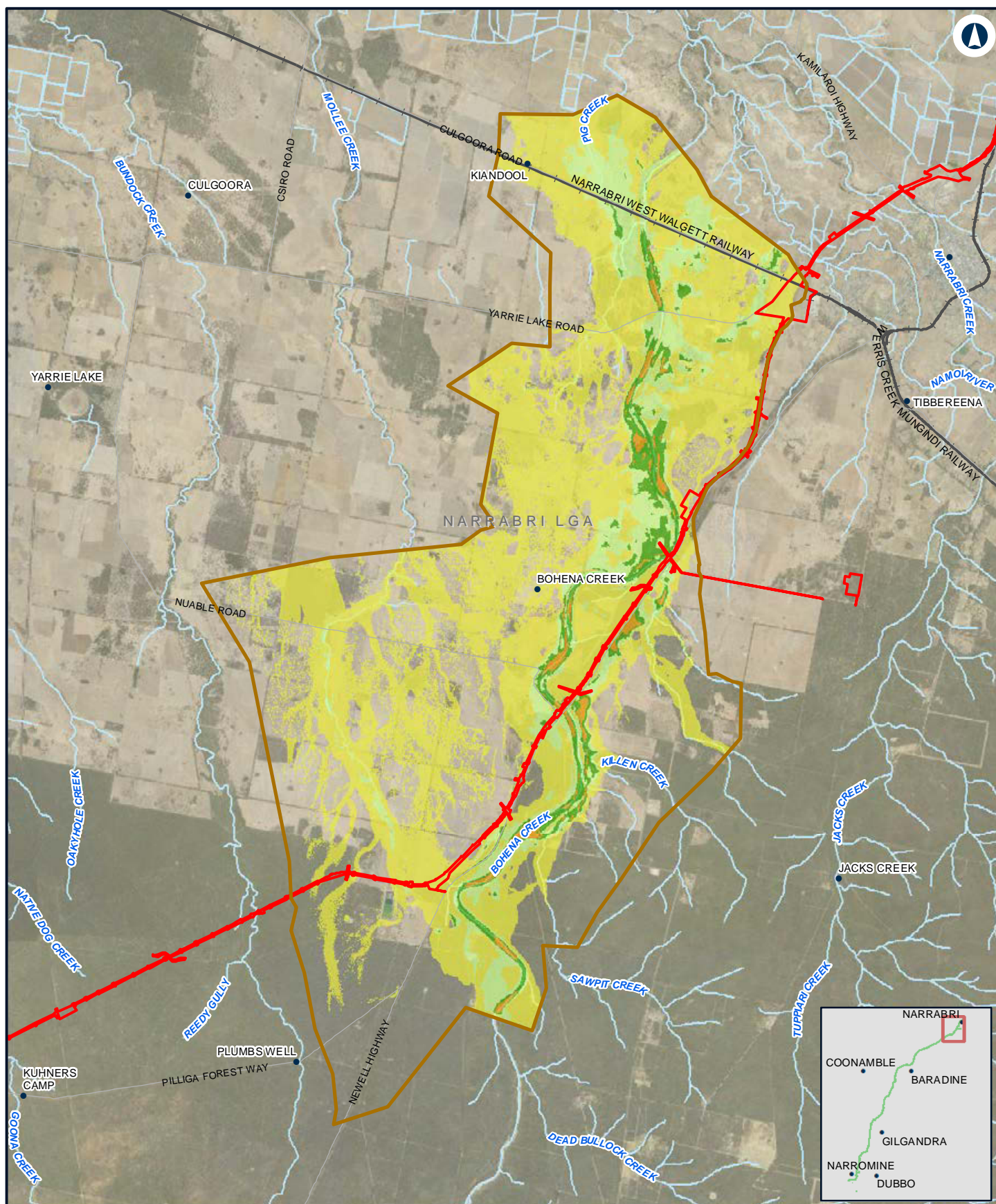
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak velocity - 0.2% AEP - N2N1

Appendix D - Figure 2.7m

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 velocity

0.0m/s - 1.0m/s

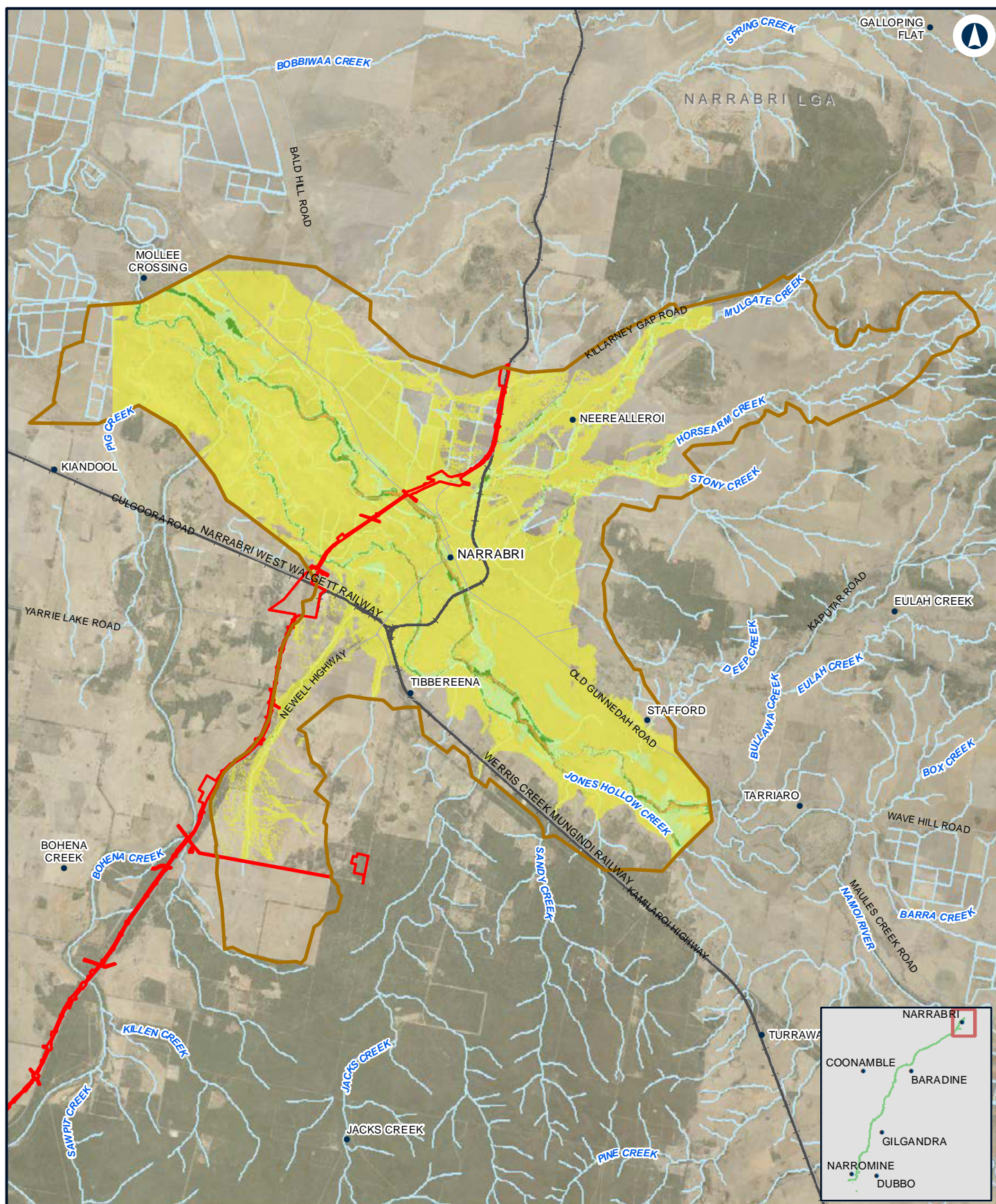
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

INLAND RAIL **ARTC**

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Narromine to Narrabri

Existing peak velocity - 0.2% AEP - Narrabri

Appendix D - Figure 2.7n

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 velocity

0.0m/s - 1.0m/s

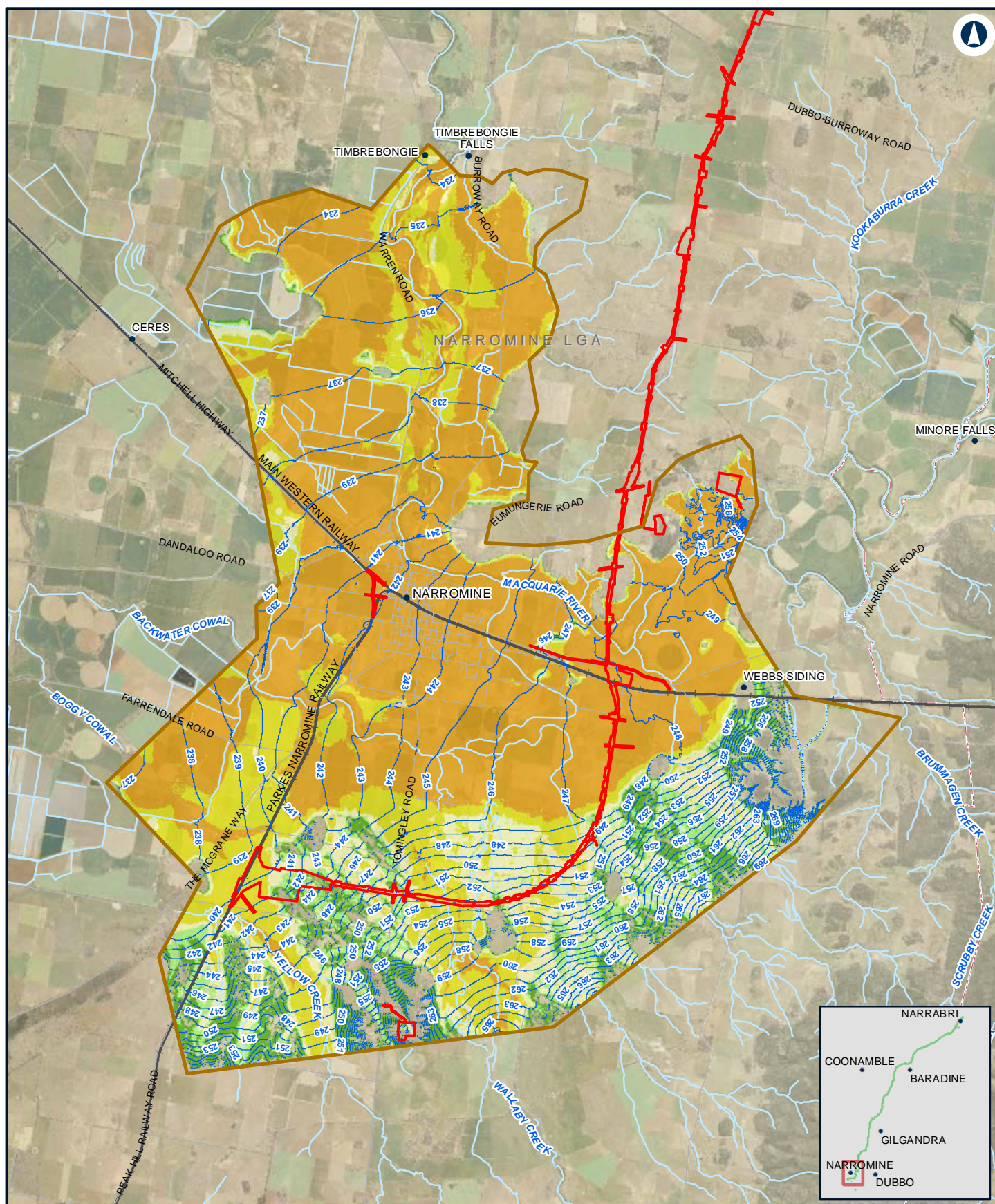
1.0m/s - 1.5m/s

1.5m/s - 2.0m/s

> 2.0m/s

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -NFM

Appendix D - Figure 1.8a

0 1.5 3 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: 10/08/2022
Author: JacobsGHD

Paper: A4
Scale: 1:140,120

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

LEGEND

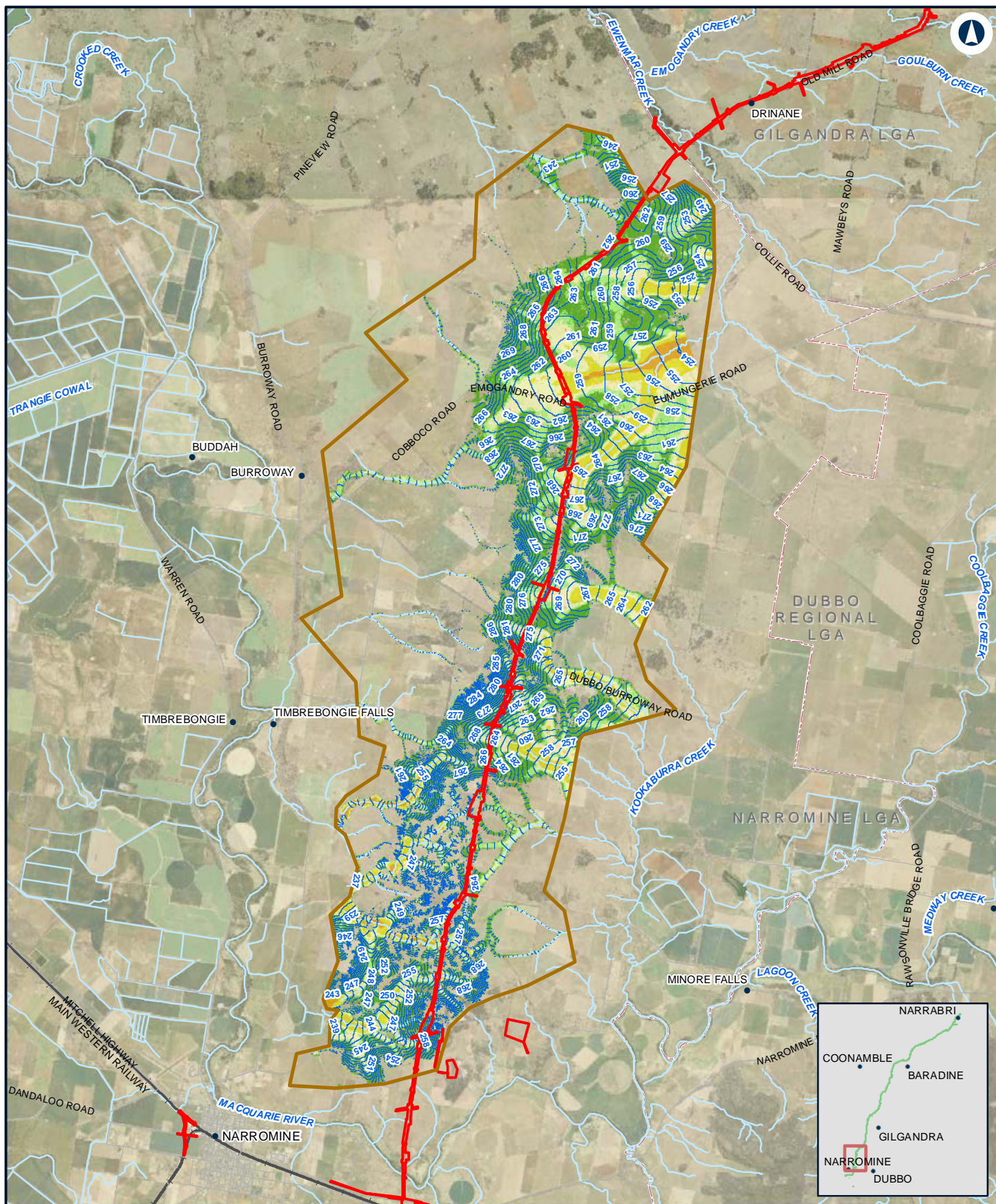
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N14

Appendix D - Figure 1.8b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022
Author: JacobsGHD

Paper: A4
Scale: 1:149,540

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

LEGEND

- The proposal site
- Model boundary
- Flood level (mAHD)

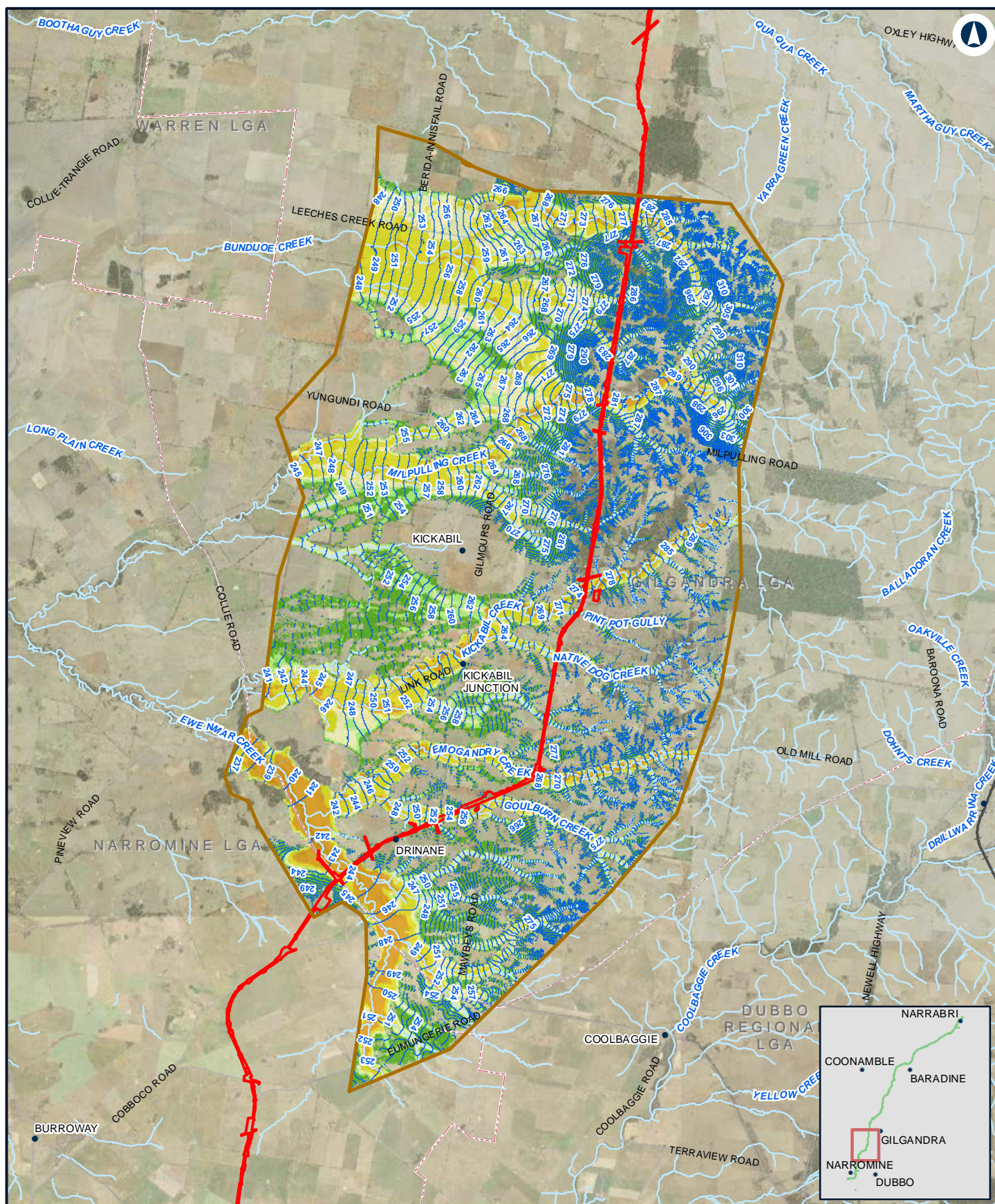
Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m
- 1.0m - 2.0m
- > 2.0m

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N13

Appendix D - Figure 1.8c

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: 1:186,190

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

LEGEND

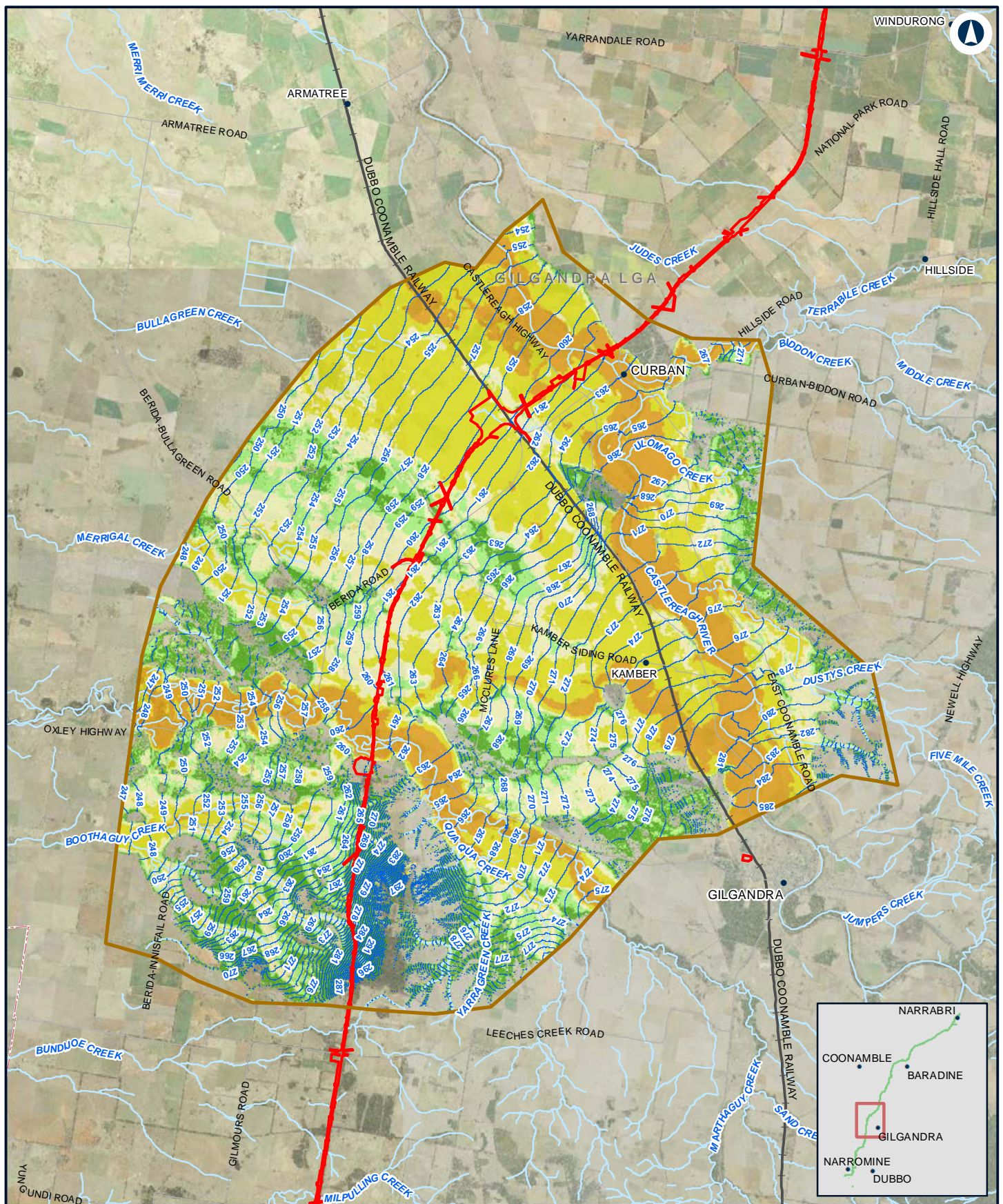
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N11N12

Appendix D - Figure 1.8d

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: 1:198,370

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

LEGEND

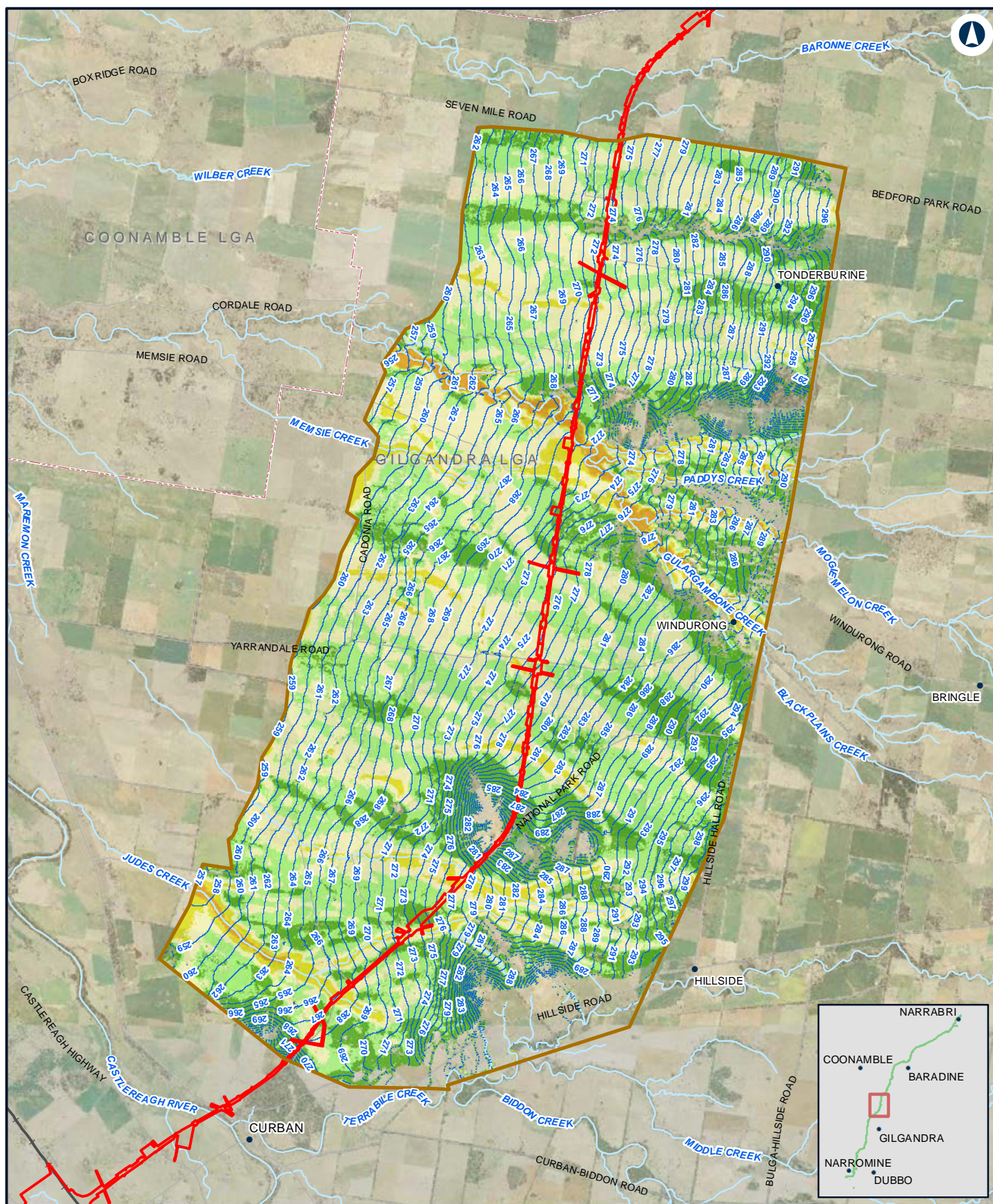
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N10

Appendix D - Figure 1.8e

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: 1:134,120

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

LEGEND

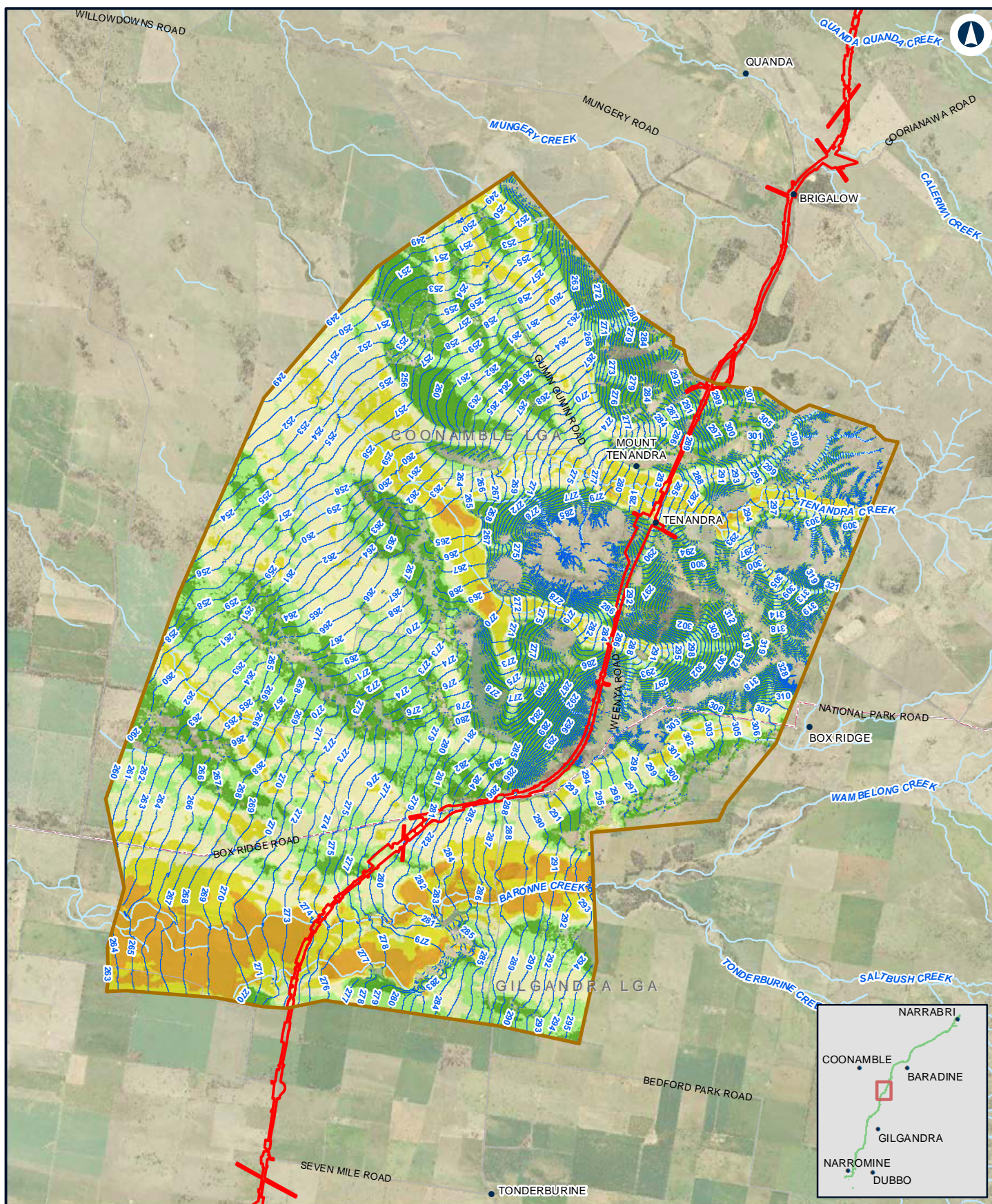
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N9

Appendix D - Figure 1.8f

0 1 2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022
Author: JacobsGHD

Paper: A4
Scale: 1:104,540

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

LEGEND

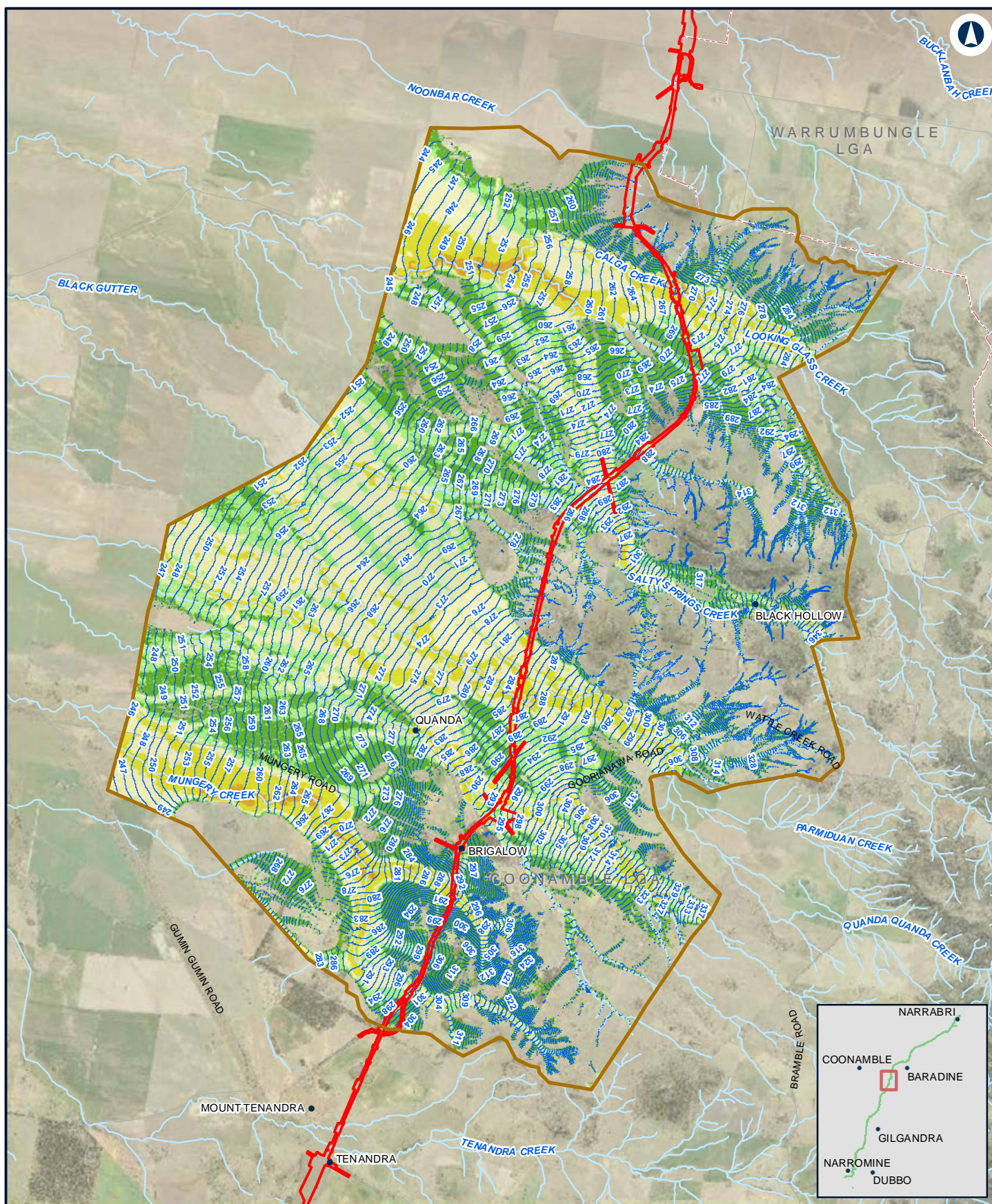
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N8

Appendix D - Figure 1.8g

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: 1:108,950

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

LEGEND

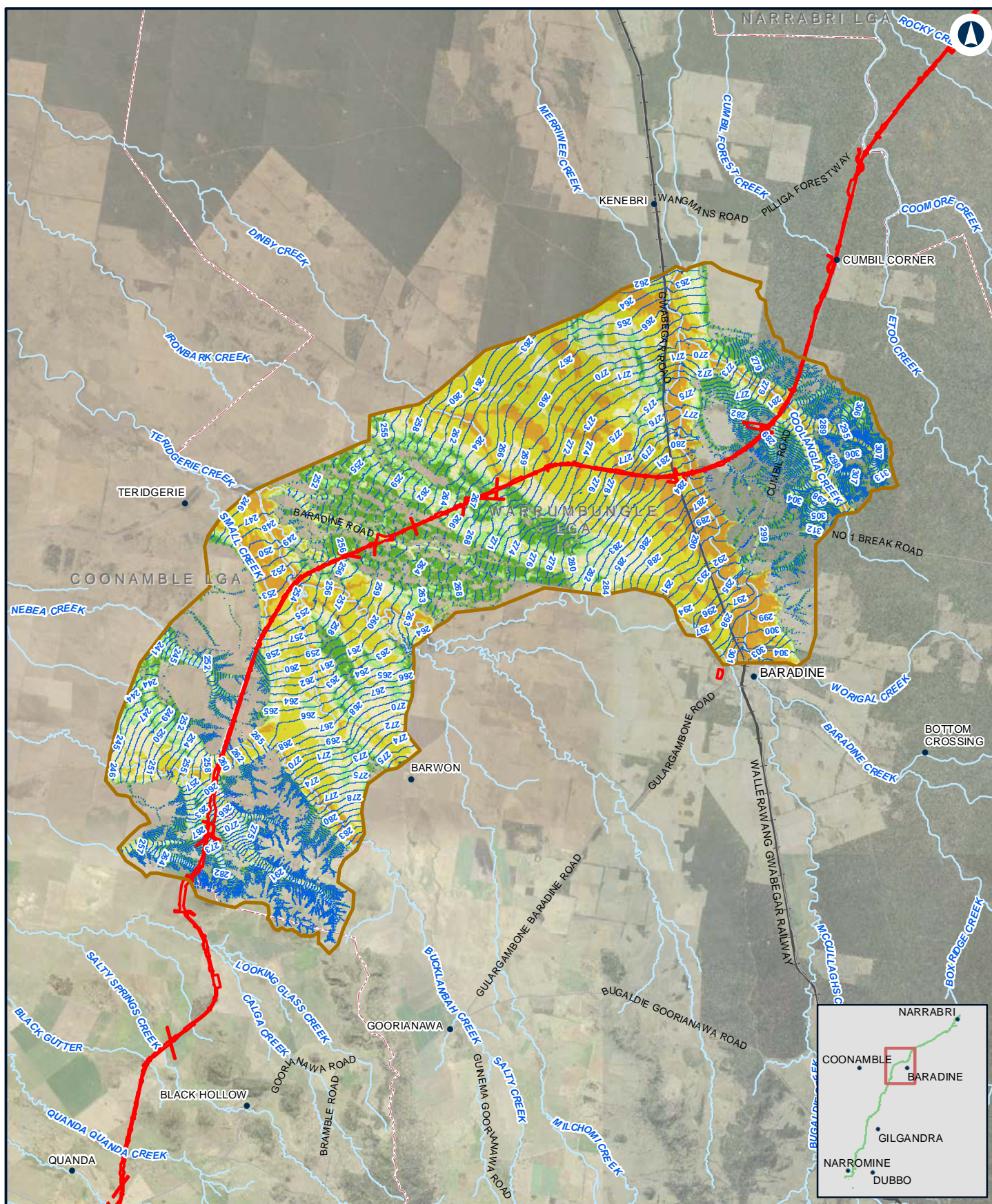
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N7

Appendix D - Figure 1.8h

0 3 6 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022
Author: JacobsGHD

Paper: A4
Scale: 1:212,360

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

LEGEND

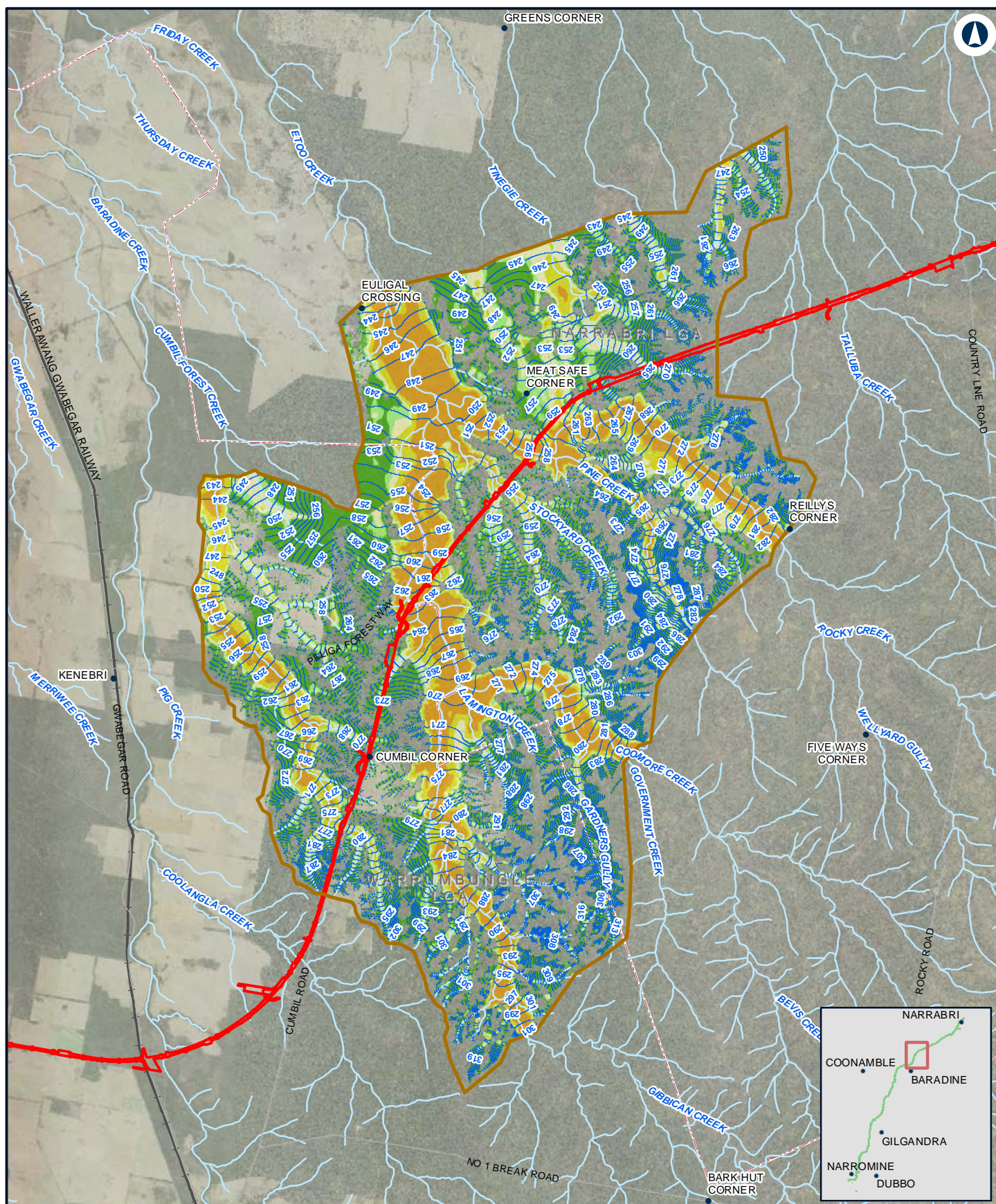
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N6

Appendix D - Figure 1.8i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022
Author: JacobsGHD

Paper: A4
Scale: 1:152,050

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

LEGEND

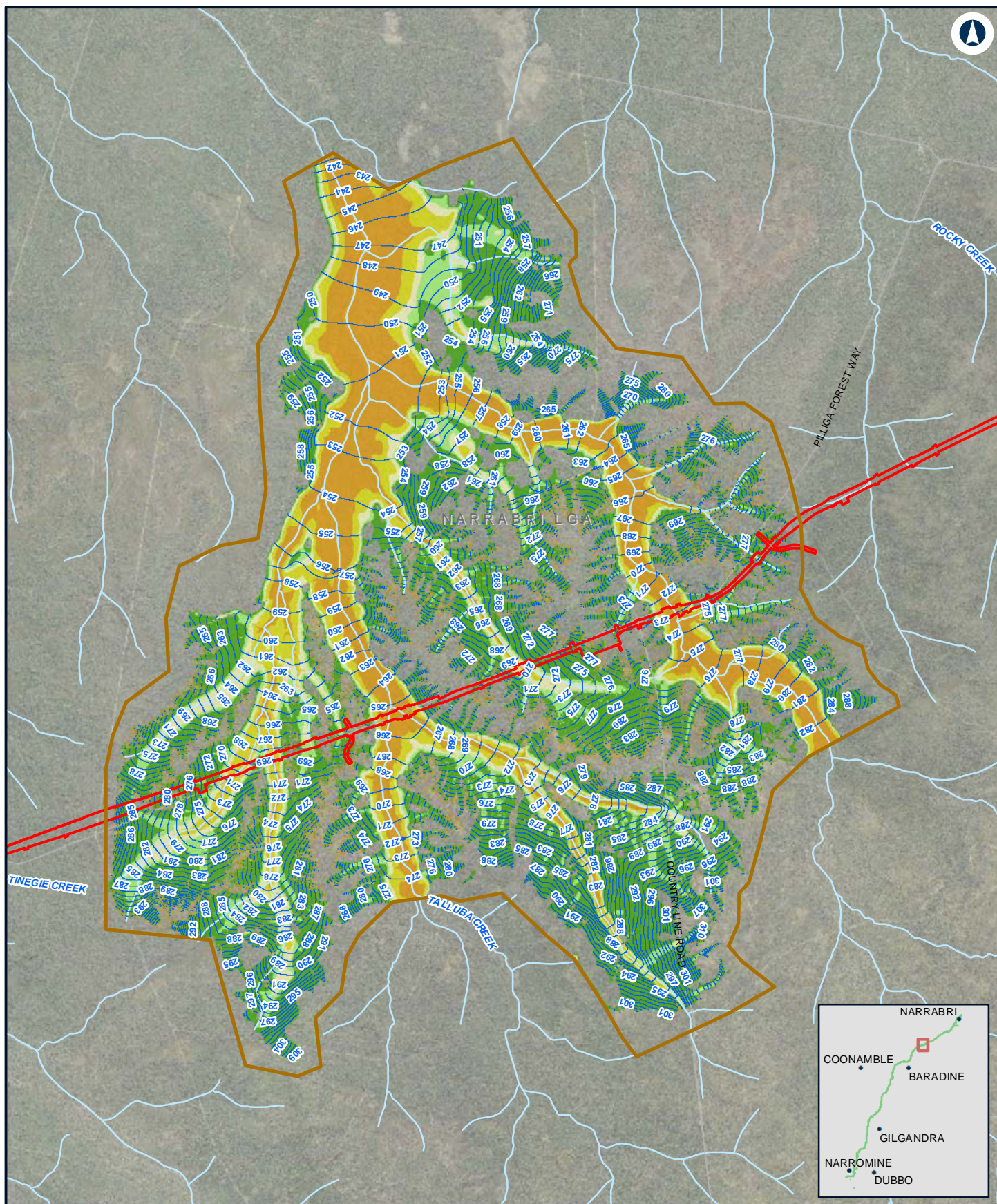
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N5

Appendix D - Figure 1.8j

0 0.95 1.9
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022
Author: JacobsGHD

Paper: A4
Scale: 1:69,470

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

LEGEND

- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

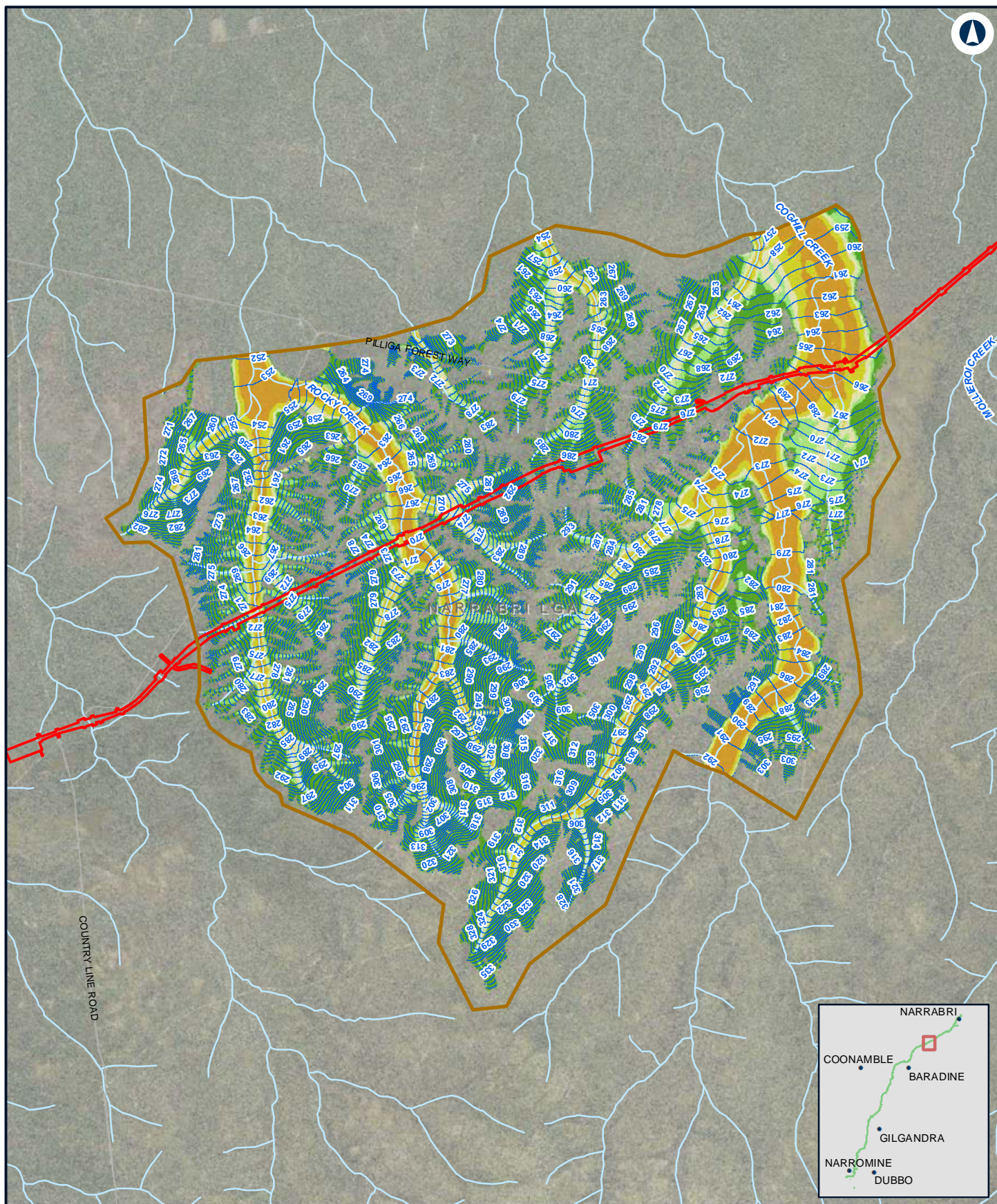
Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

**INLAND
RAIL**

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0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 10/08/2022
Author: JacobsGHD

Paper: A4
Scale: 1:80,540

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

LEGEND

- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

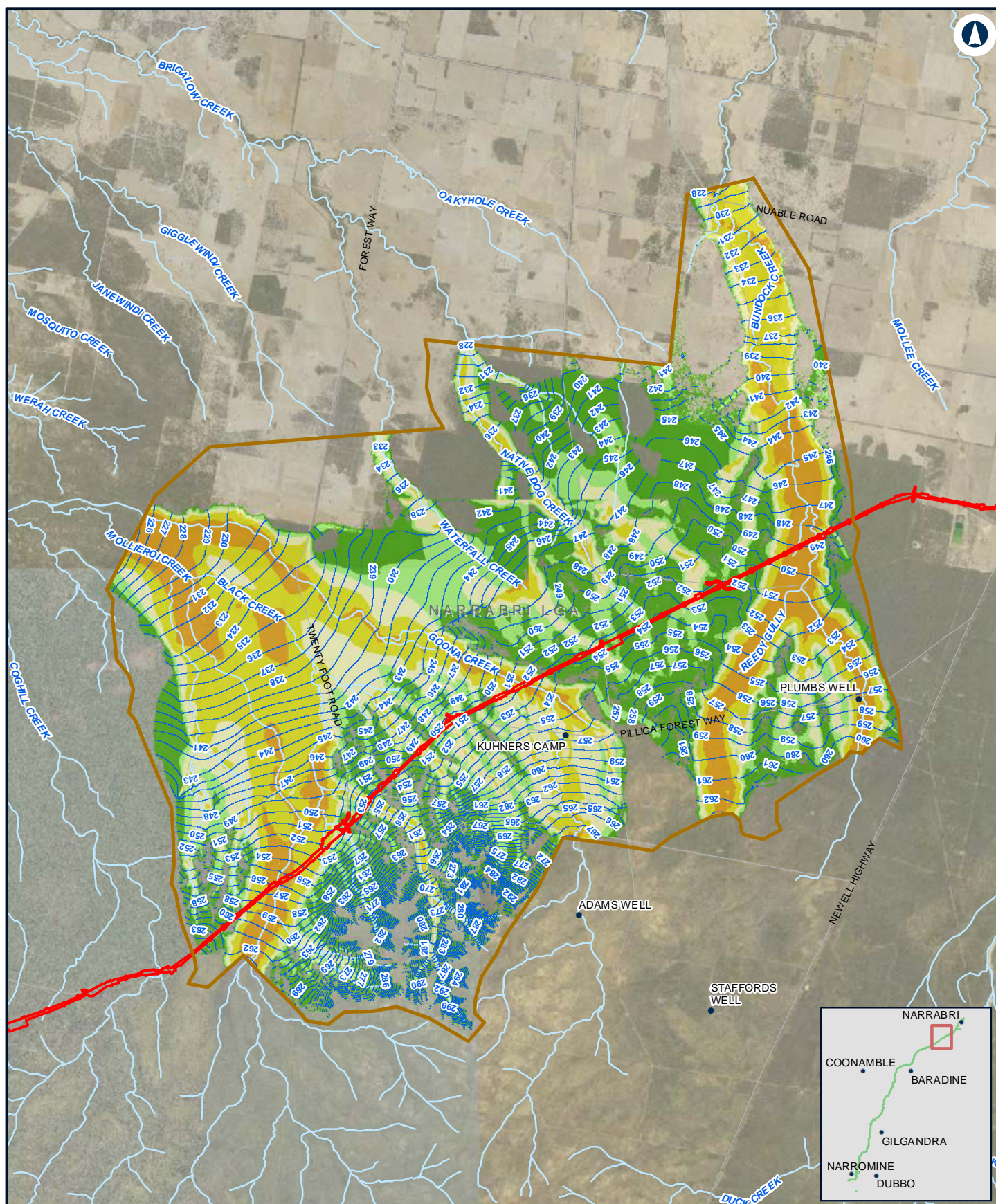
Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF -N2N23

Appendix D - Figure 1.8I

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: 1:139,650

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

LEGEND

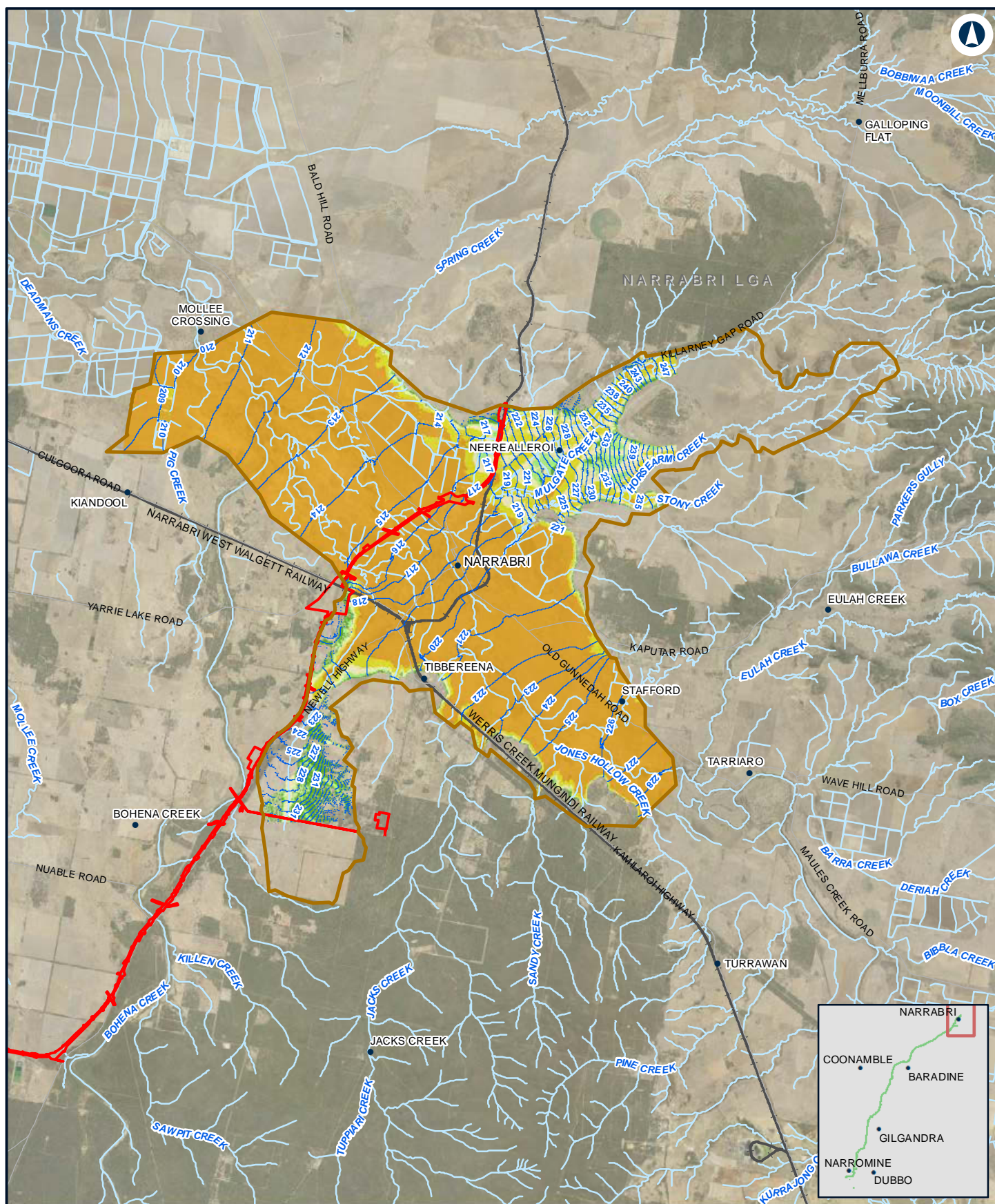
- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

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NARROMINE TO NARRABRI

Existing peak depth / level (contour) - PMF - Narrabri

Appendix D - Figure 1.8n

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: 1:190,920

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

LEGEND

- The proposal site
- Model boundary
- Flood level (mAHD)
- 1.0m - 2.0m
- > 2.0m

Flood depth

- 0.0m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1.0m

INLAND RAIL **ARTC**

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