

TECHNICAL REPORT

INLAND
RAIL 

3

Flooding and hydrology assessment

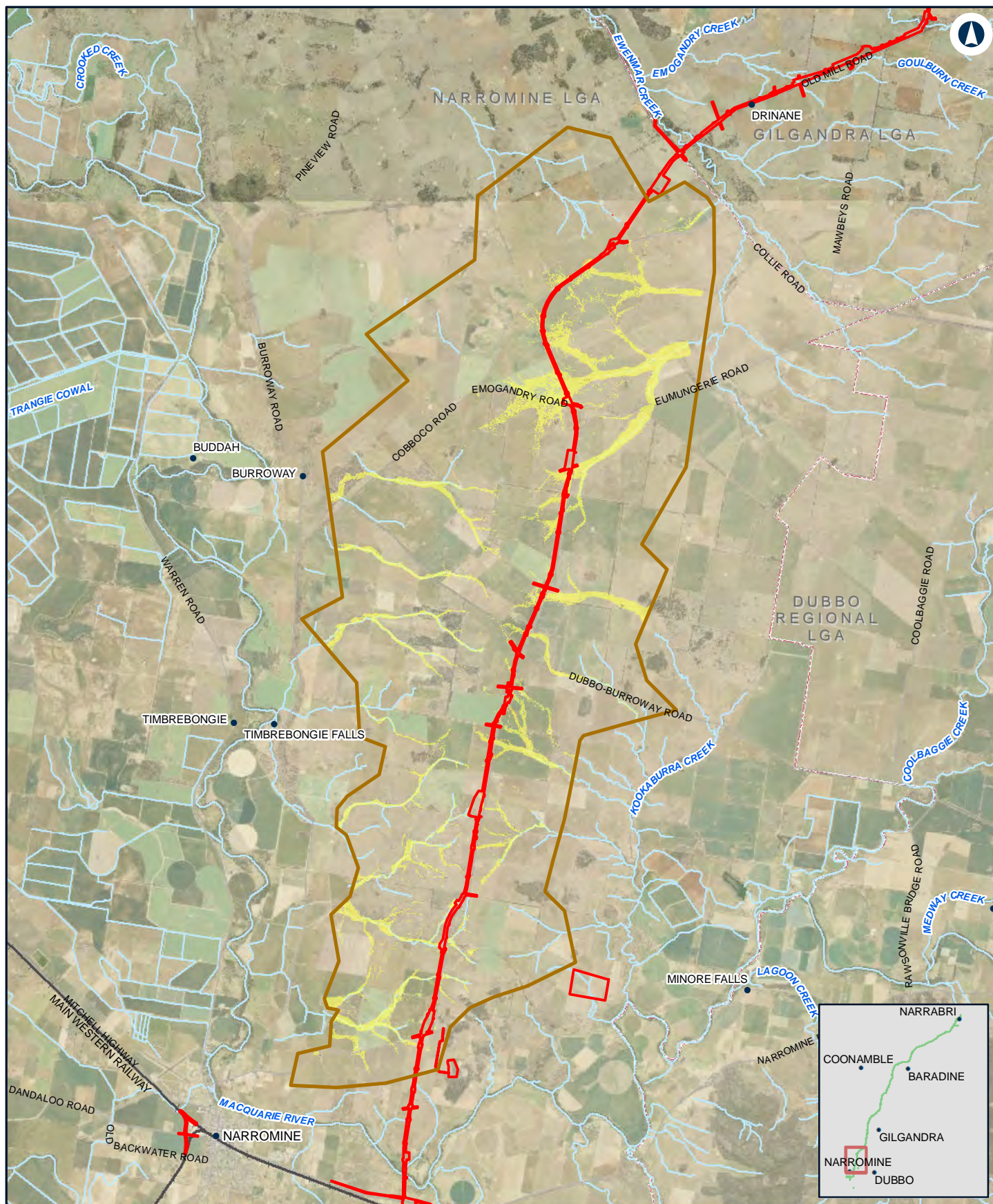
PART 11 OF 12

Appendix G continued...

NARROMINE TO NARRABRI ENVIRONMENTAL IMPACT STATEMENT

 **ARTC**

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



NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N14

Appendix G - Figure 4.5b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:150,000

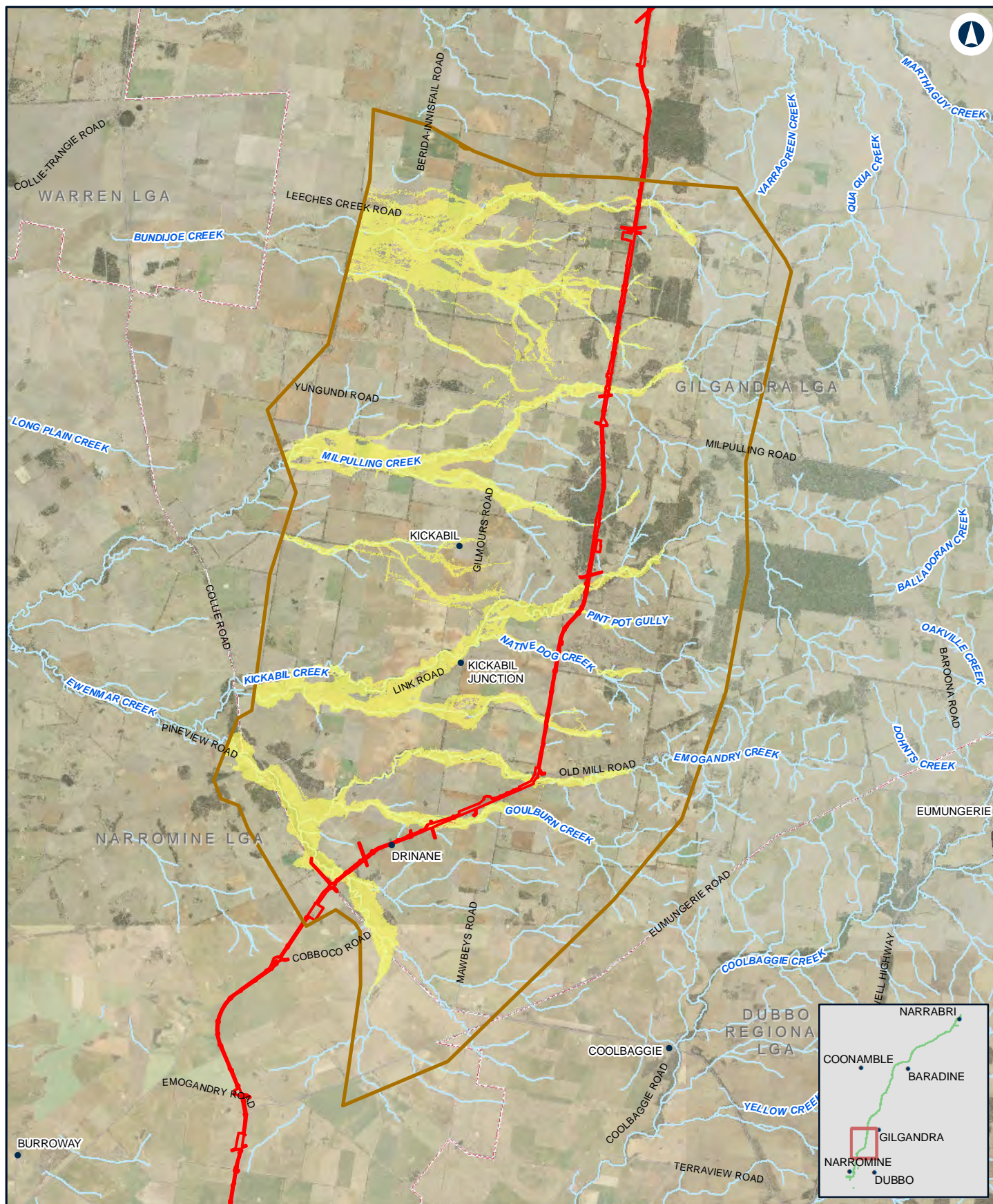
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N13

Appendix G - Figure 4.5c

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: JacobsGHD Scale: 1:180,000

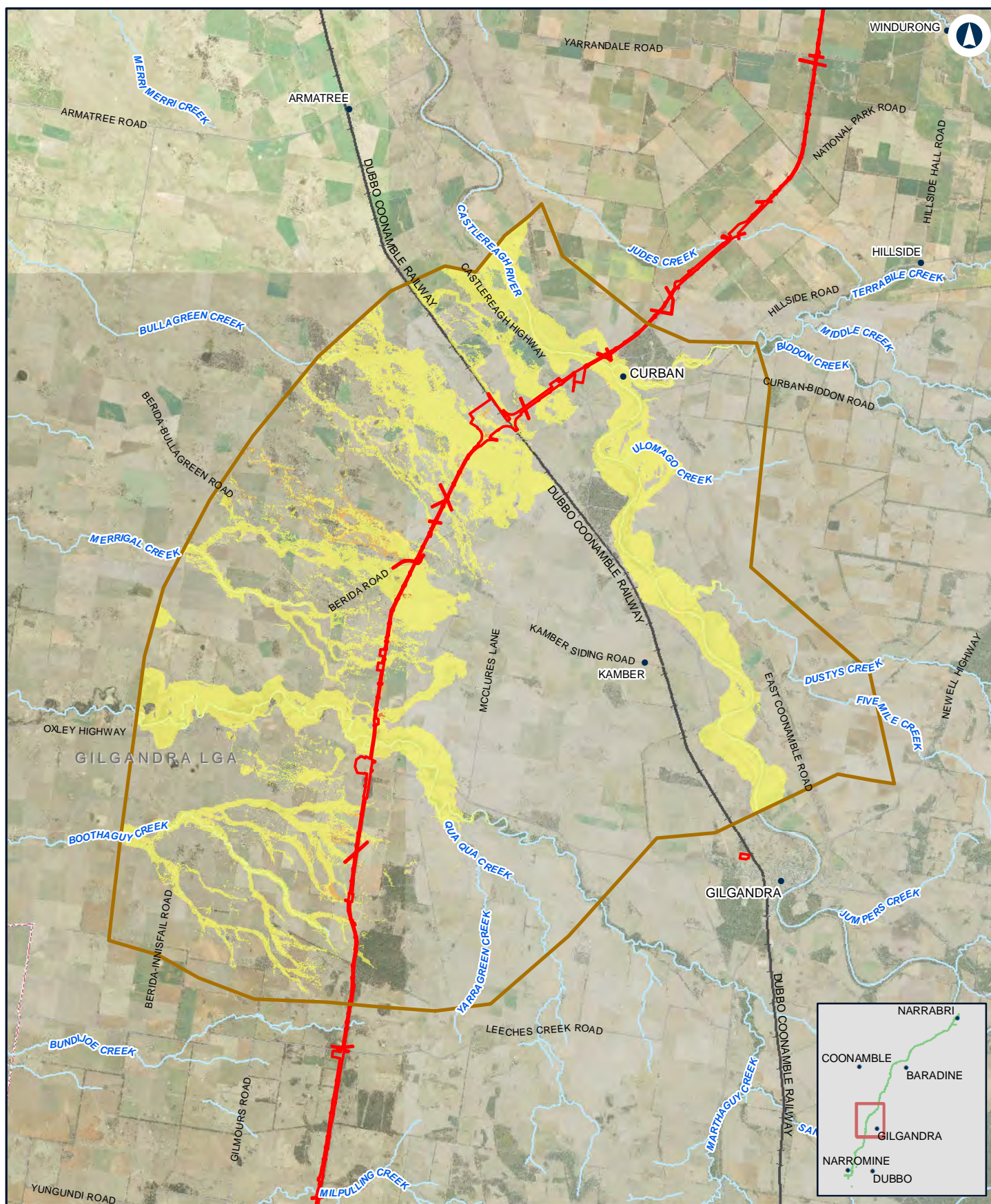
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N11N12

Appendix G - Figure 4.5d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

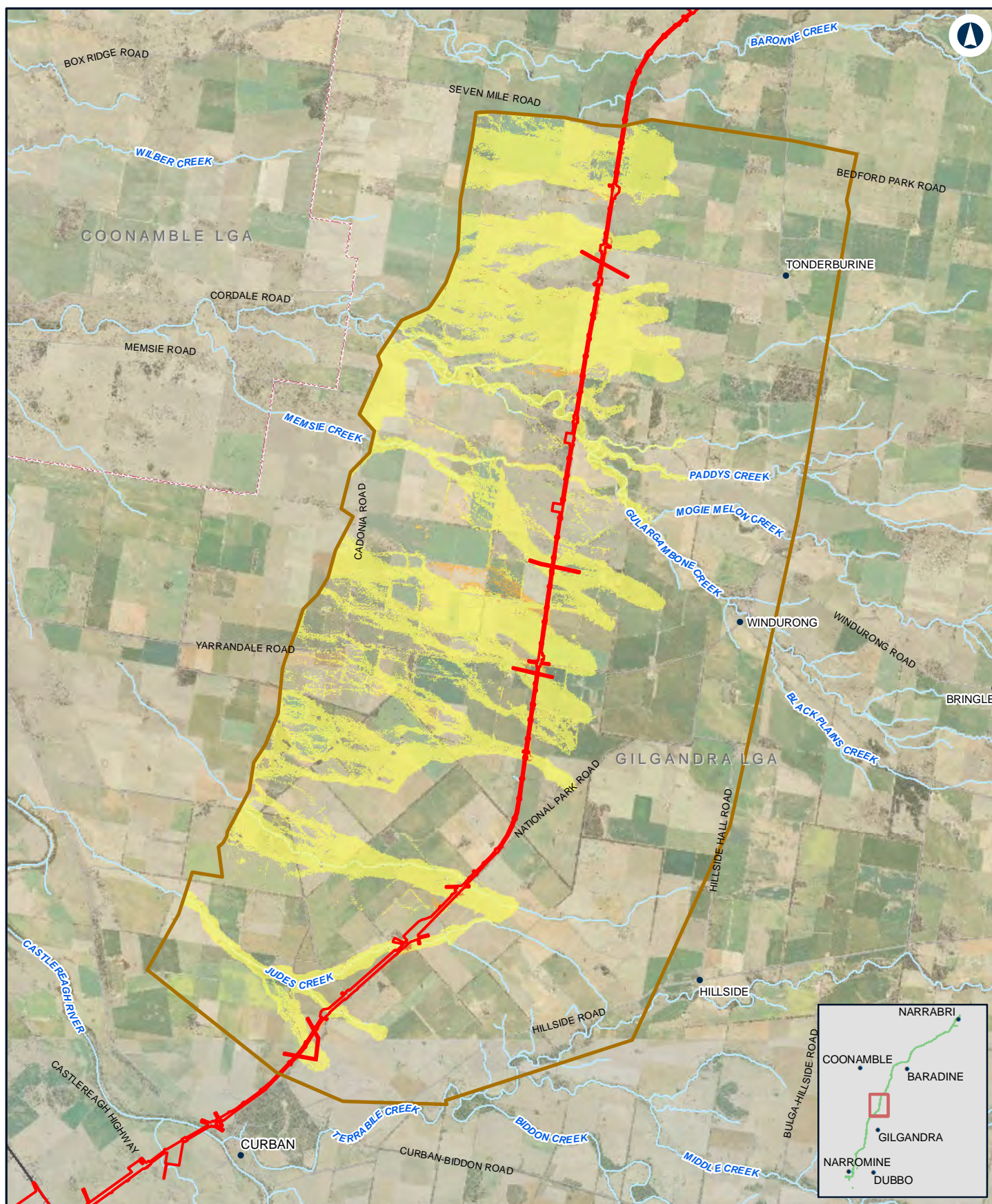
Was low, now dry

Was high, now low

Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N10

Appendix G - Figure 4.5e

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020
Author: JacobsGHD

Paper: A4
Scale: 1:130,000

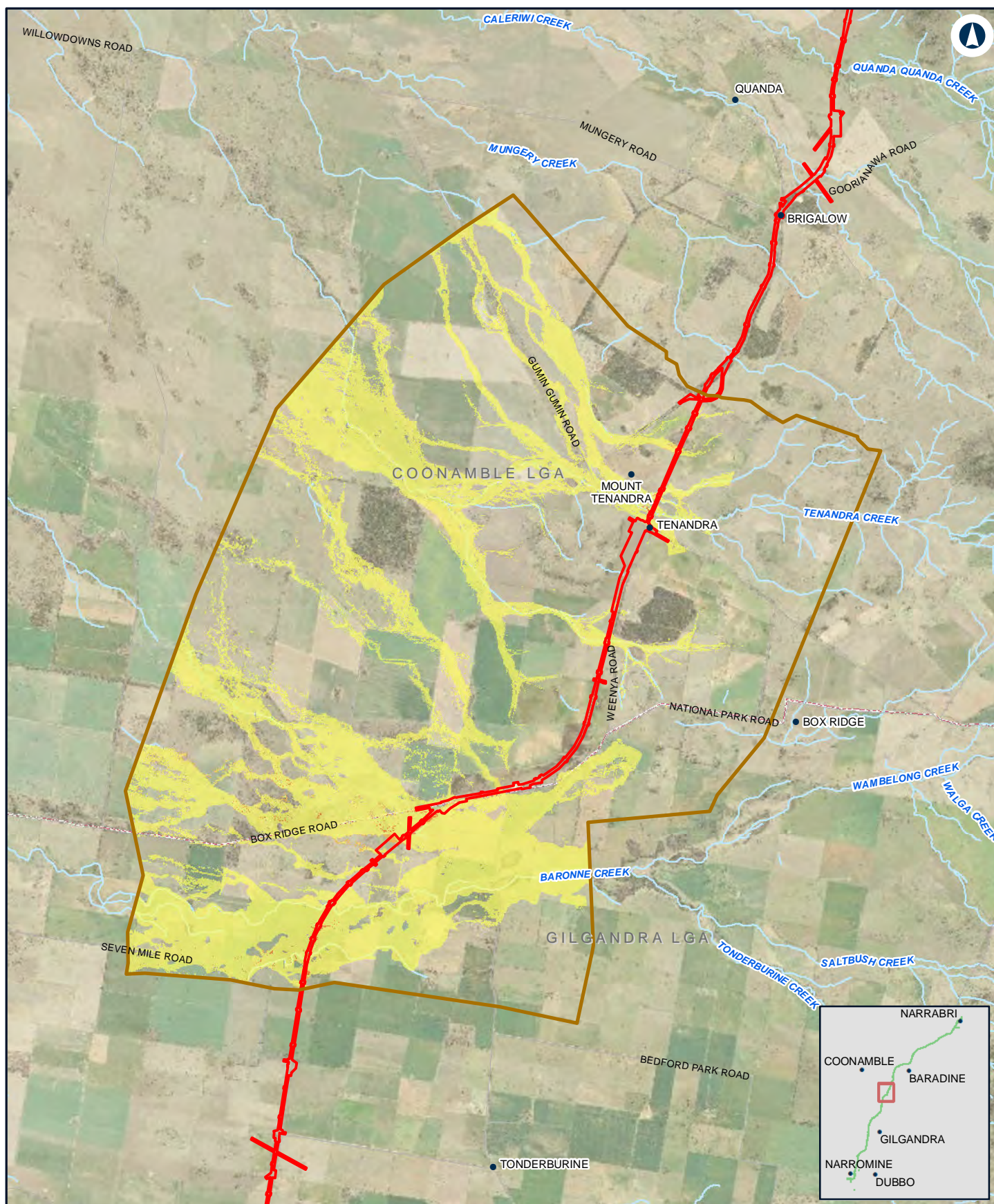
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N9

Appendix G - Figure 4.5f

0 1.5 3 Km

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Author: JacobsGHD Scale: 1:110,000

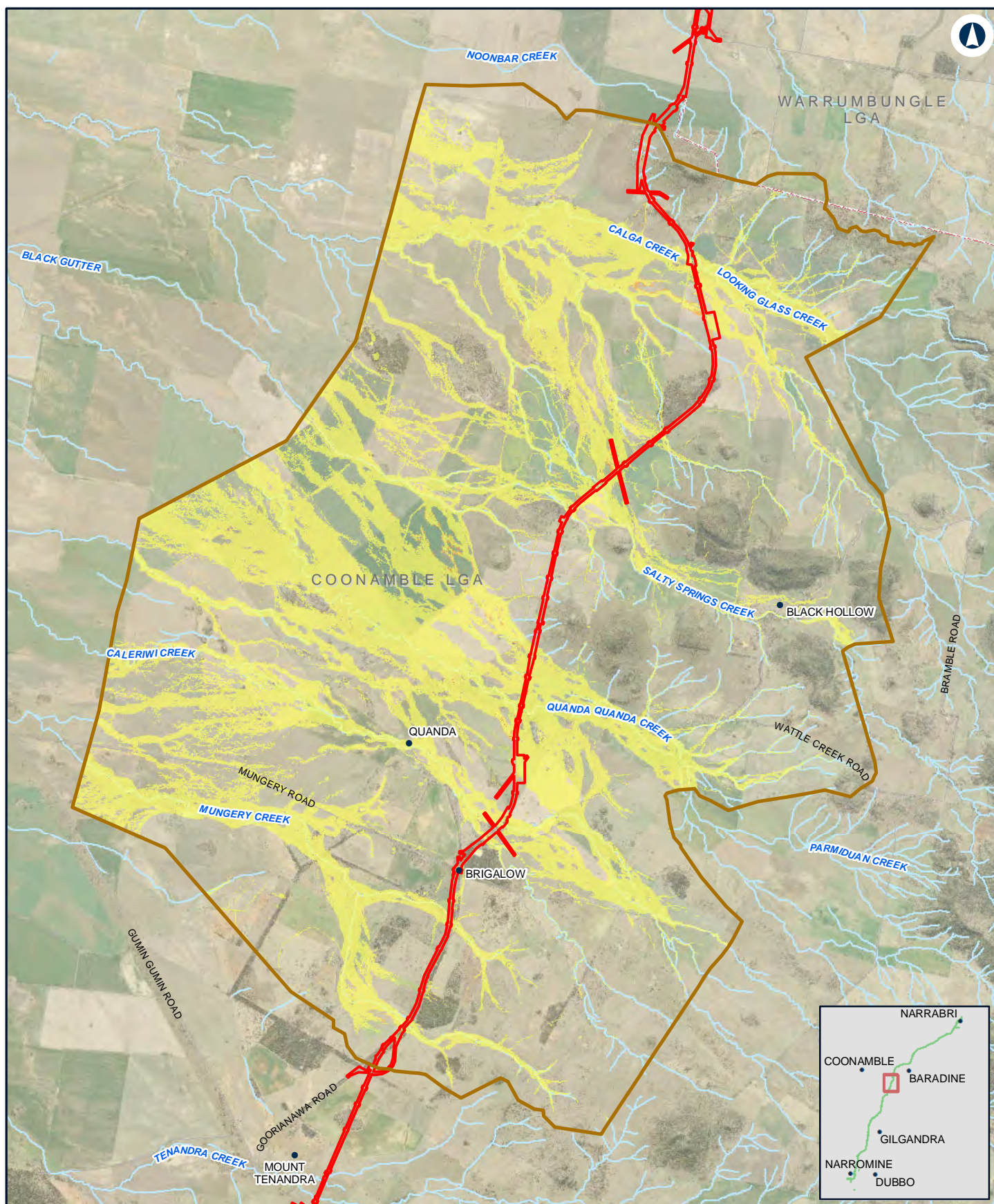
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N8

Appendix G - Figure 4.5g

0 1 2 Km

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:100,000

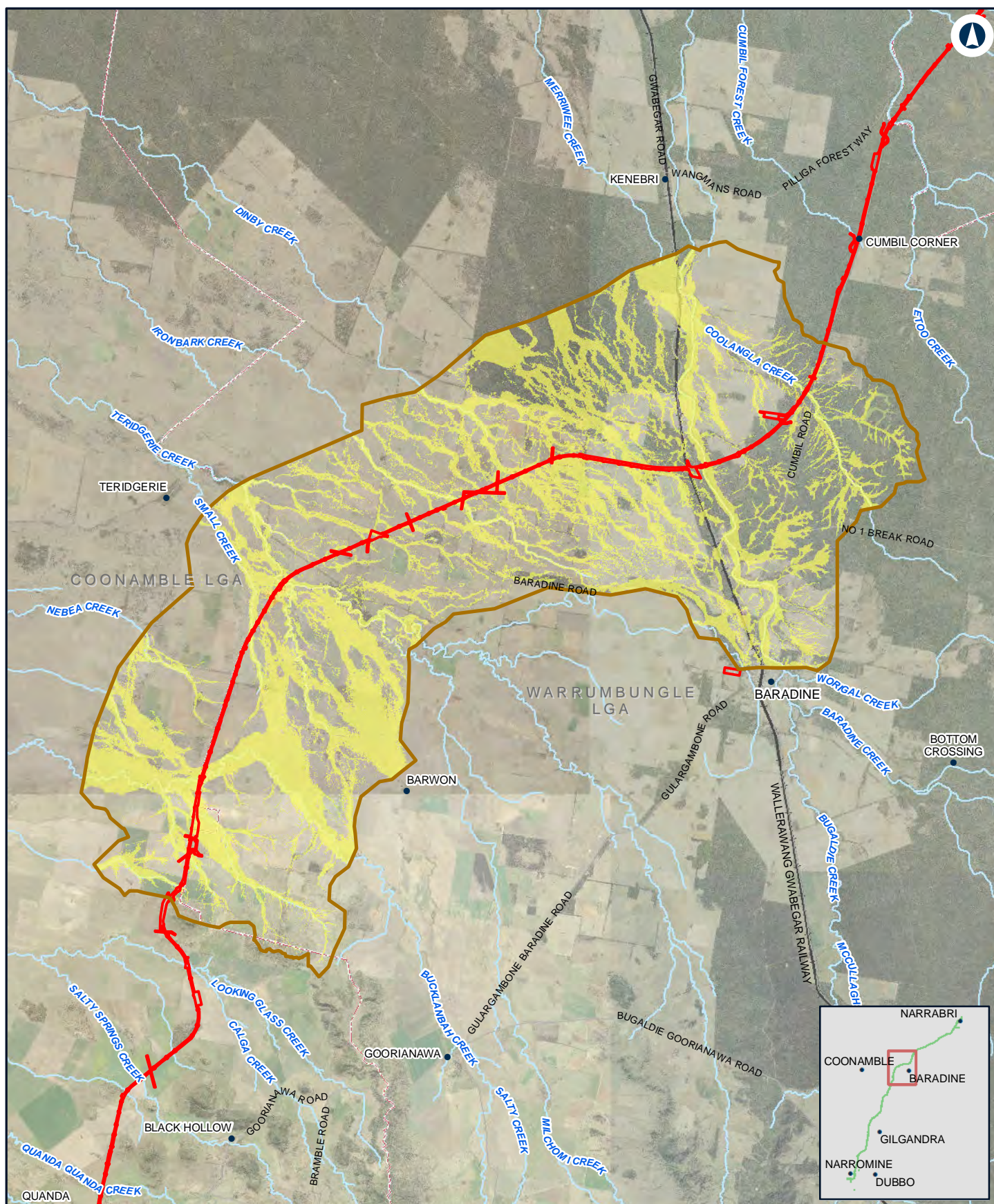
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N7

Appendix G - Figure 4.5h

0 2.5 5
Km

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Author: JacobsGHD Scale: 1:200,000

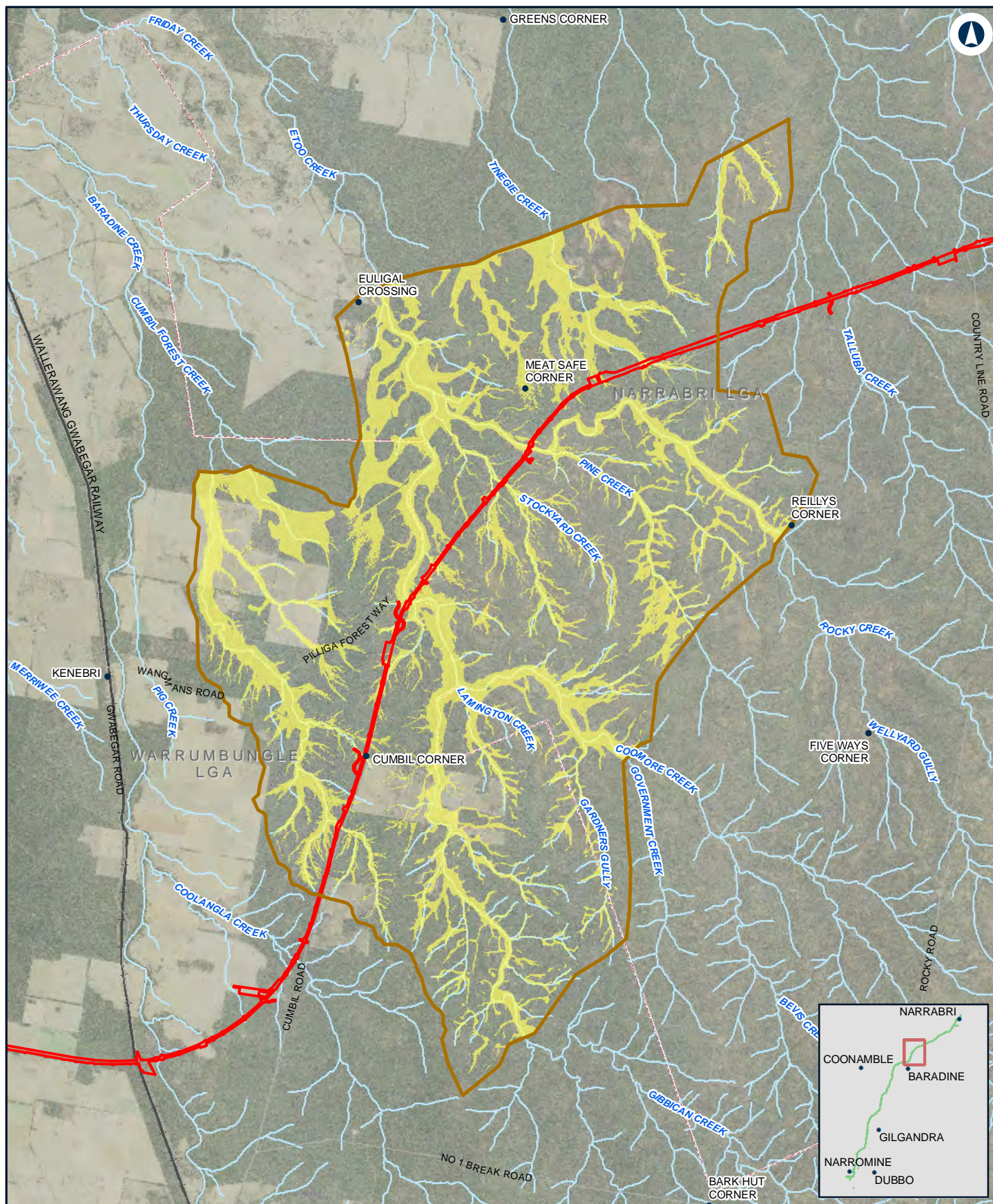
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N6

Appendix G - Figure 4.5i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: JacobsGHD Scale: 1:150,000

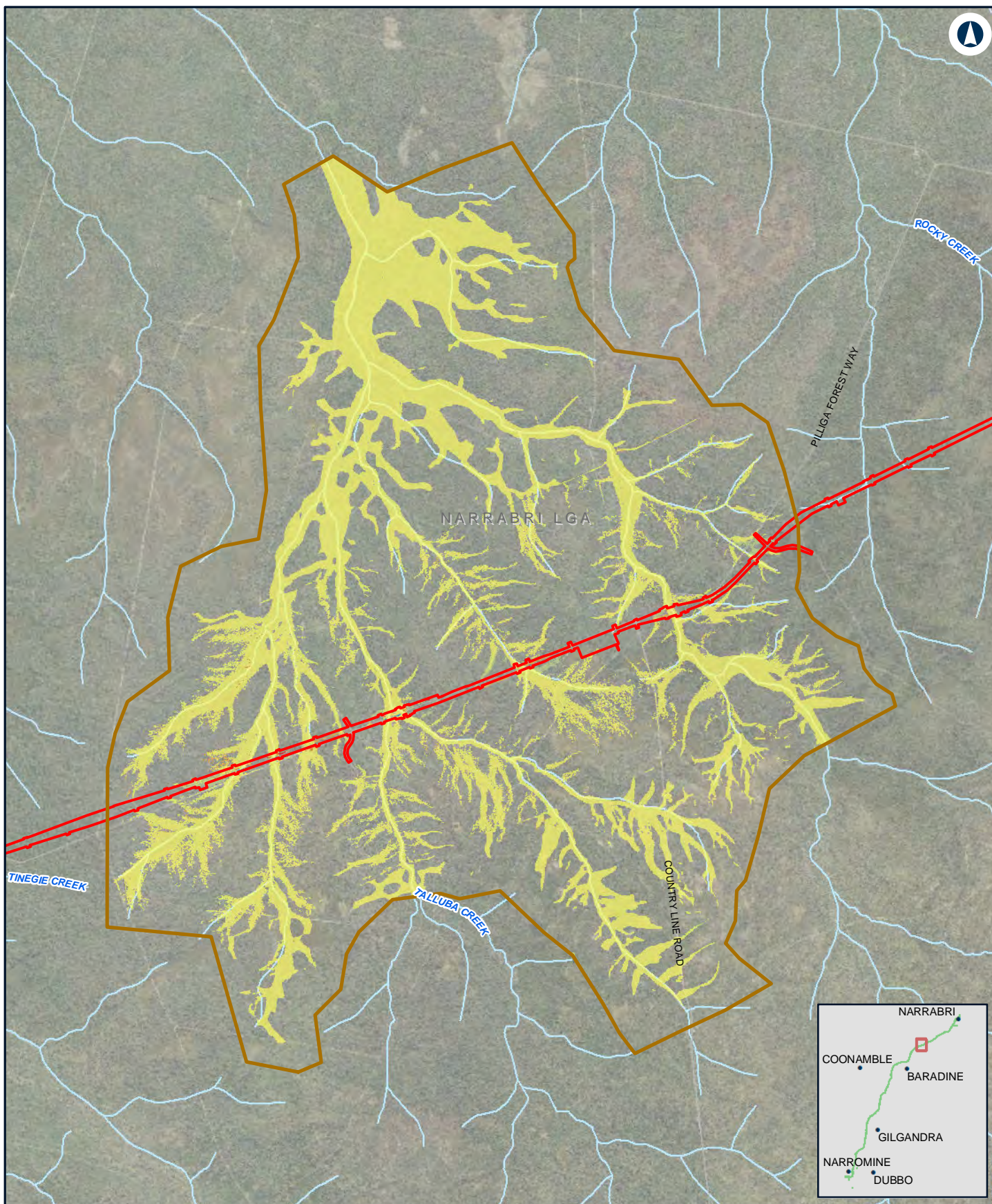
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N5

Appendix G - Figure 4.5j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:70,000

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

LEGEND

The proposal site

Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

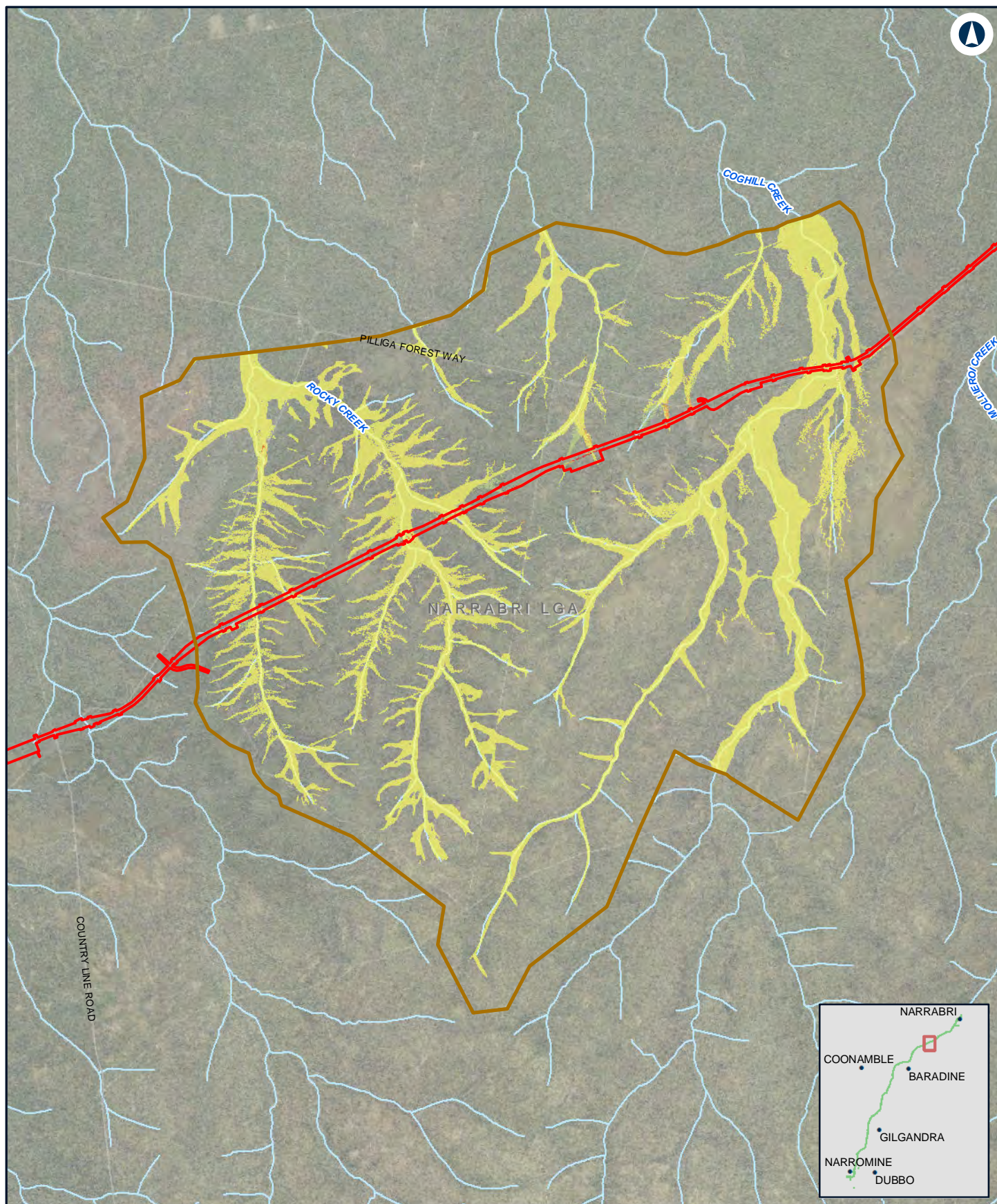
Was low, now dry

Was high, now low

Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N4

Appendix G - Figure 4.5k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:80,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

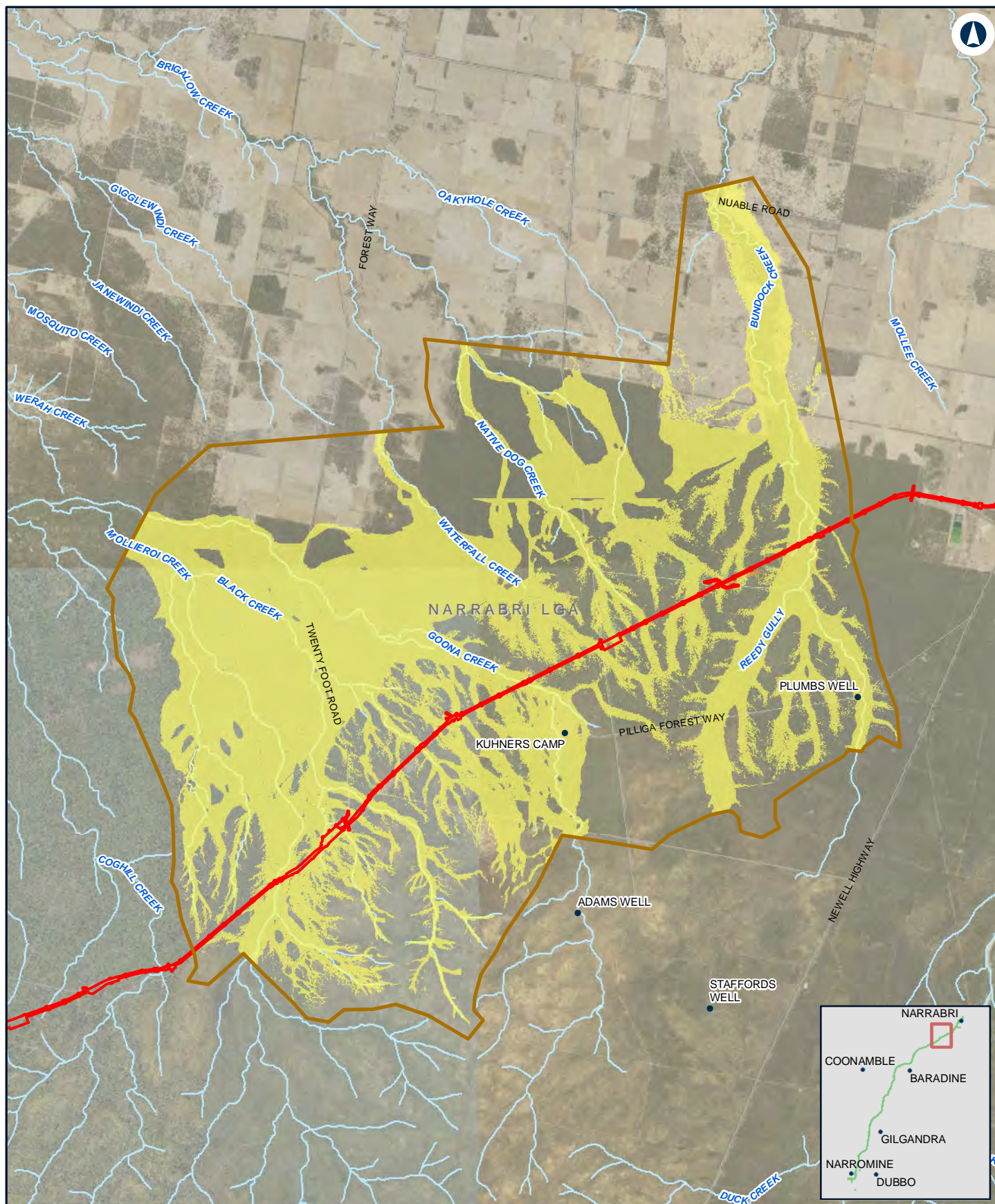
Was low, now dry

Was high, now low

Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 1% AEP with climate change - N2N23

Appendix G - Figure 4.5I

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

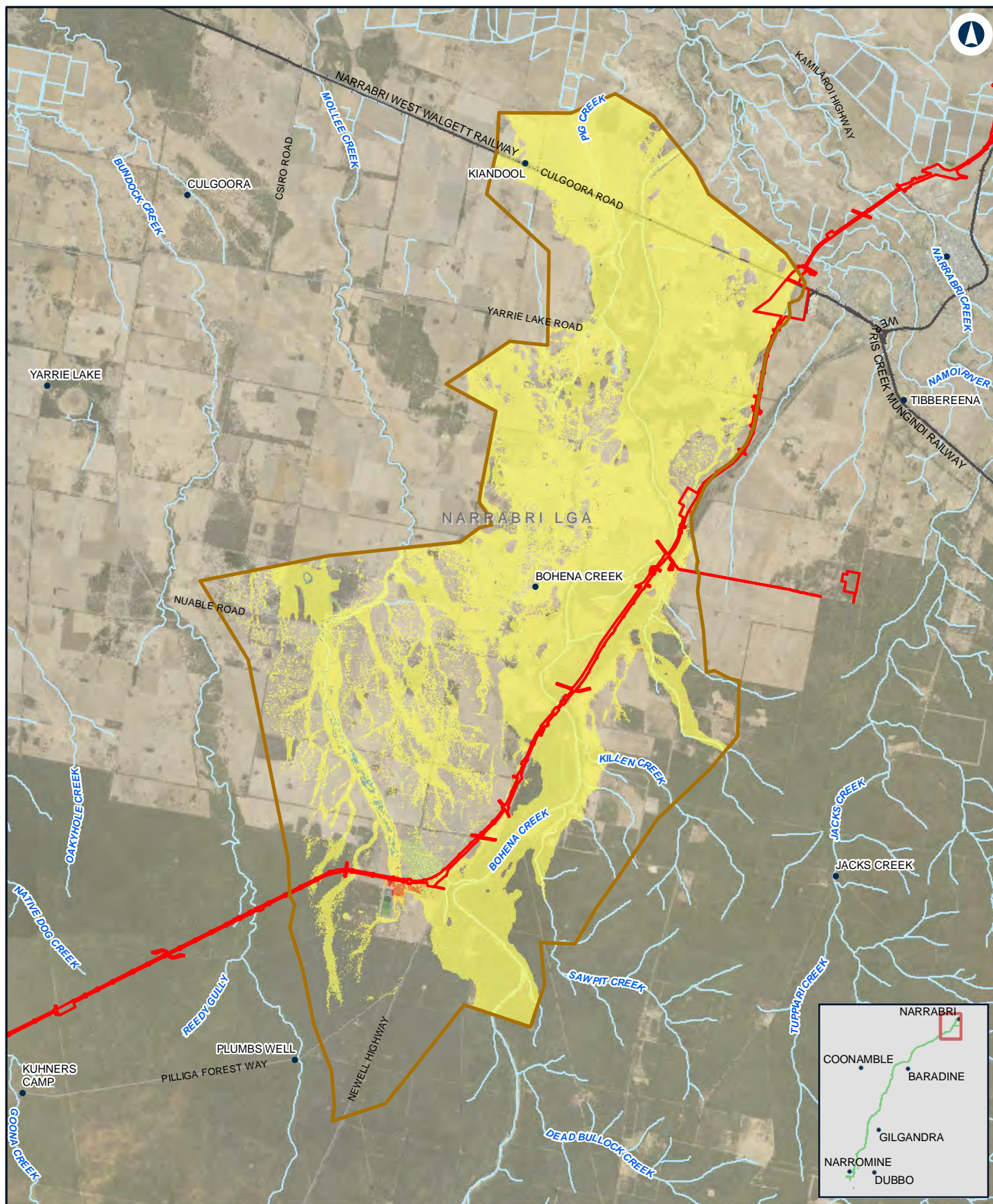
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

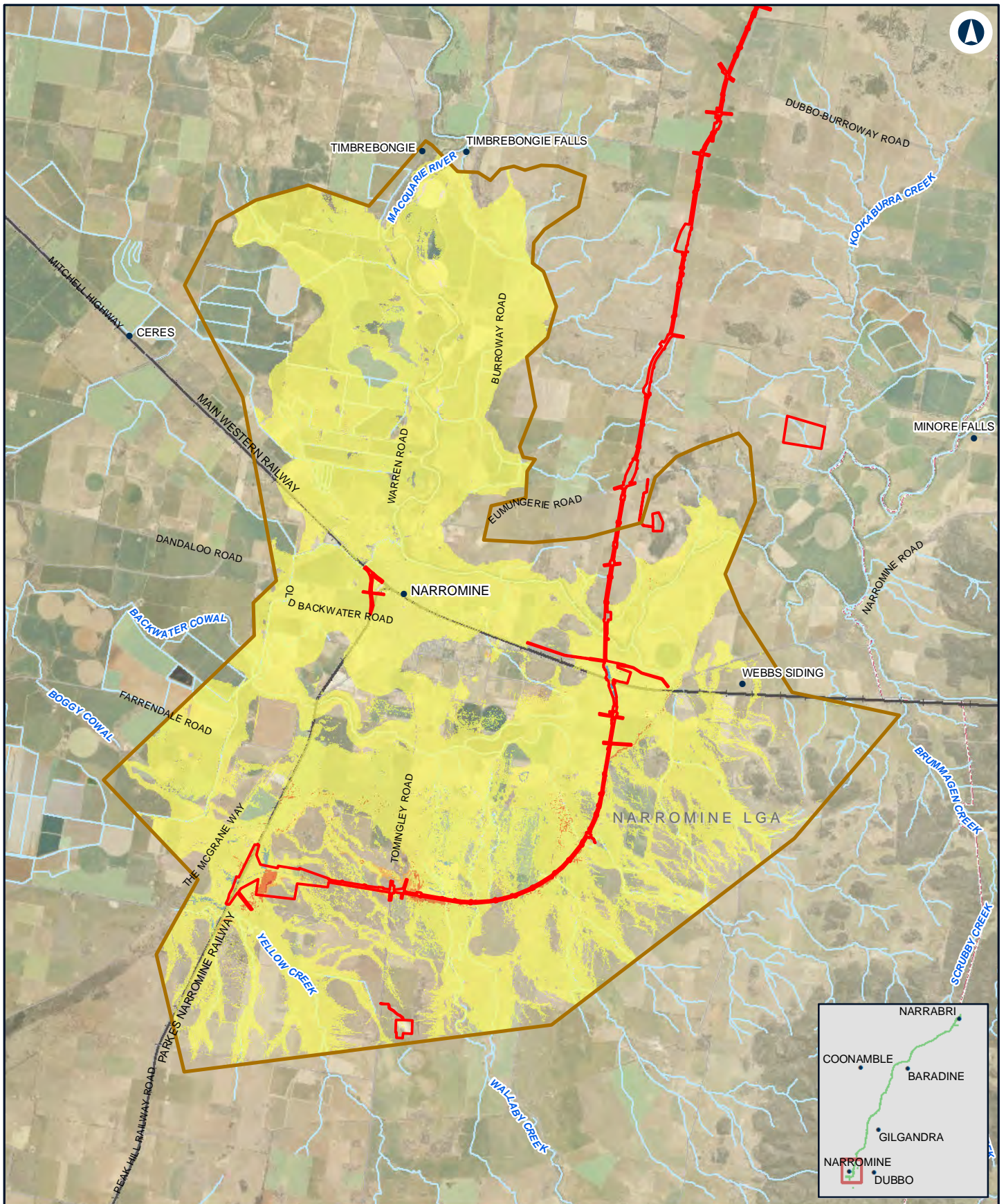
Was low, now dry

Was high, now low

Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - NFM

Appendix G - Figure 4.6a

0 1.5 3 Km

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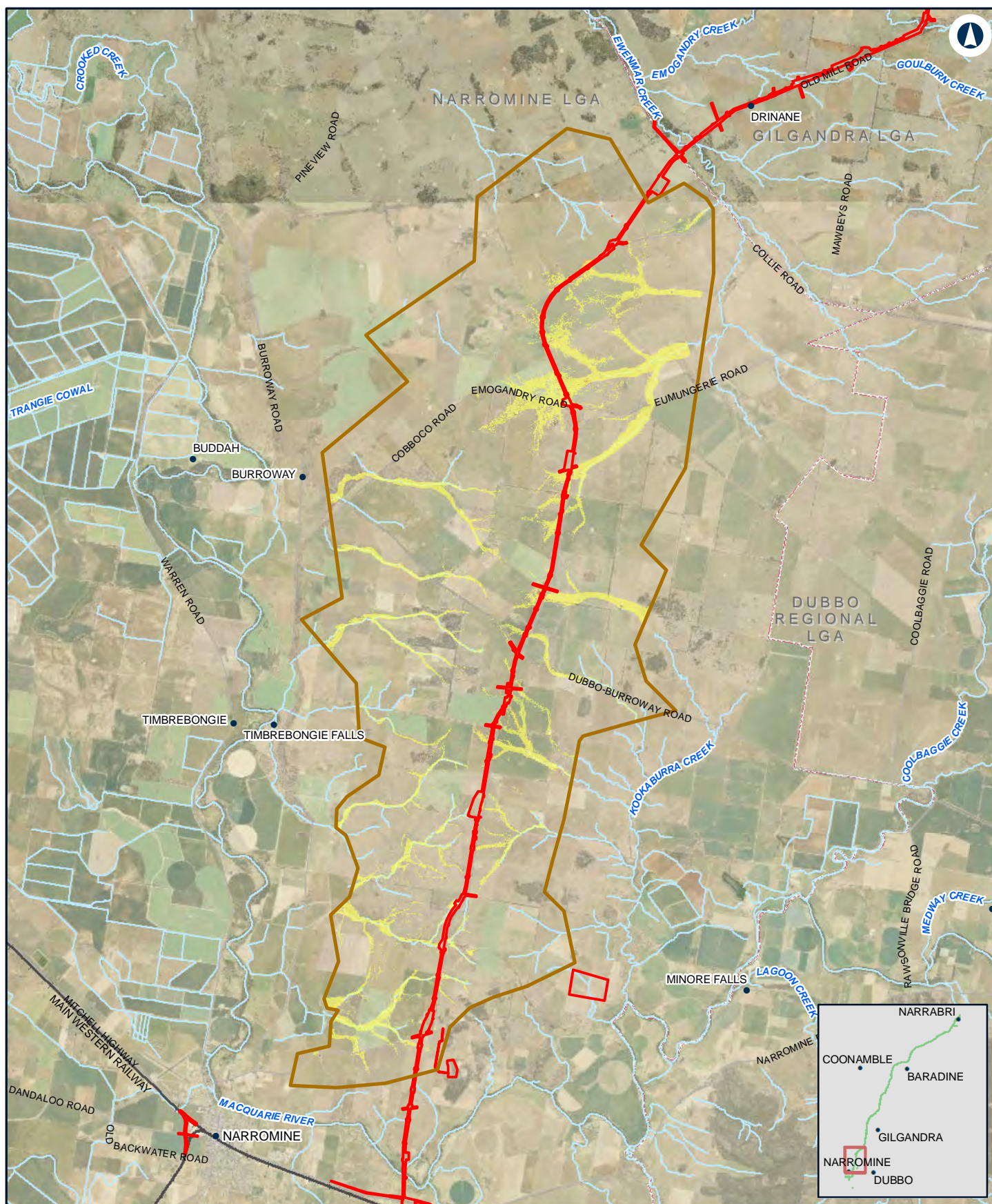
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N14

Appendix G - Figure 4.6b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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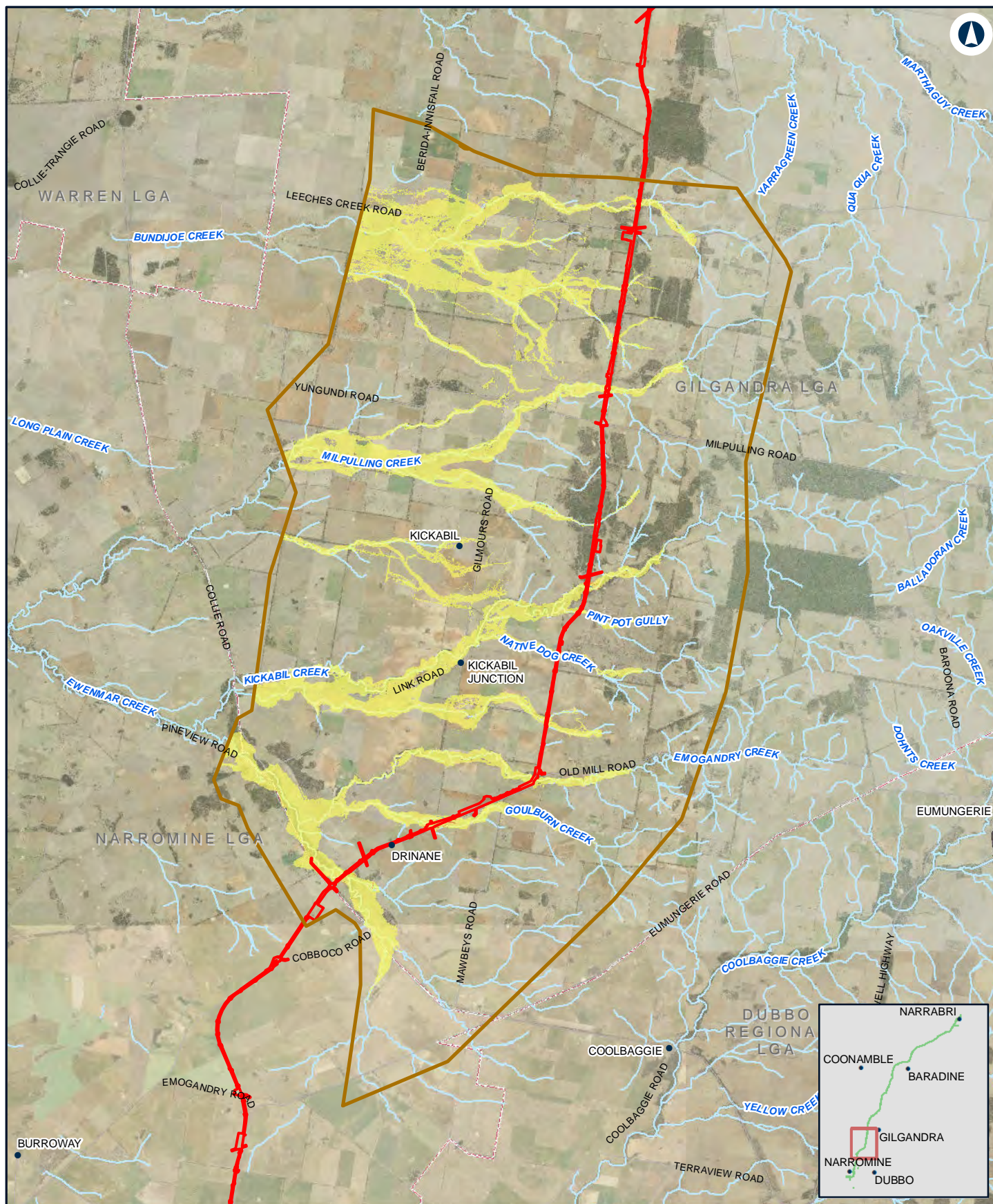
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N13

Appendix G - Figure 4.6c

0 2.5 5
Km

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Date: 27/10/2020

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Scale: 1:180,000

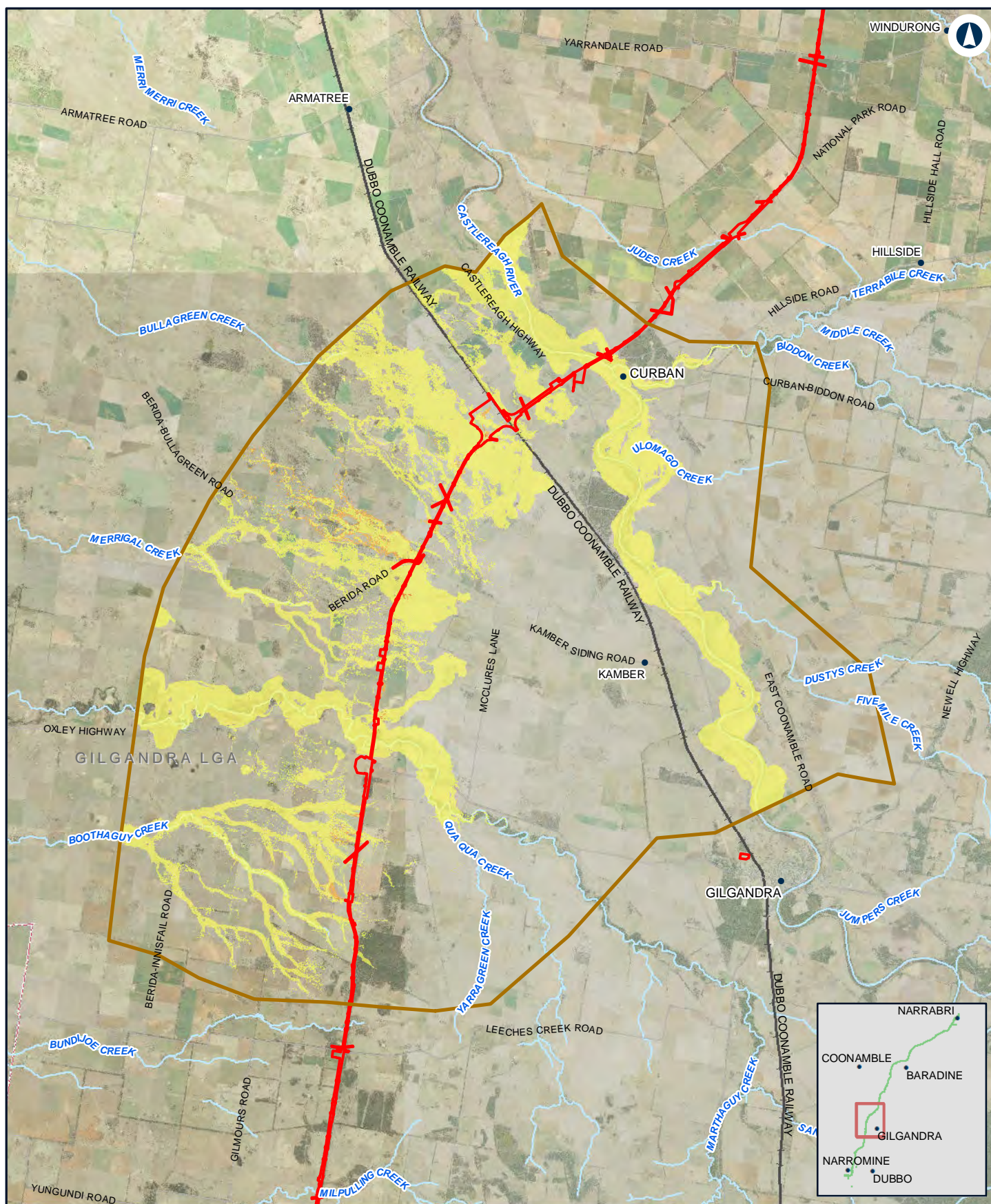
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N11N12

Appendix G - Figure 4.6d

0 2.5 5
Km

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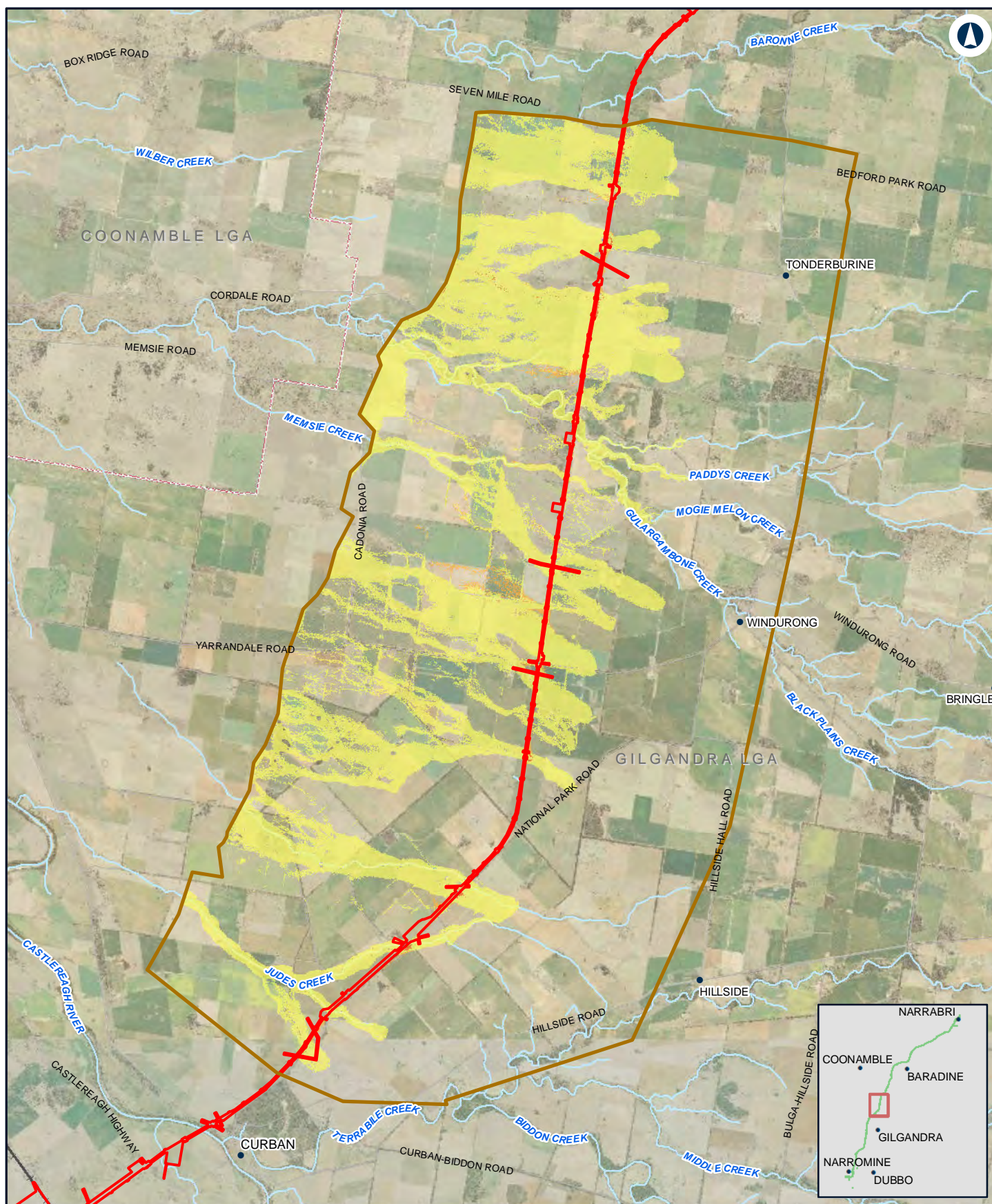
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N10

Appendix G - Figure 4.6e

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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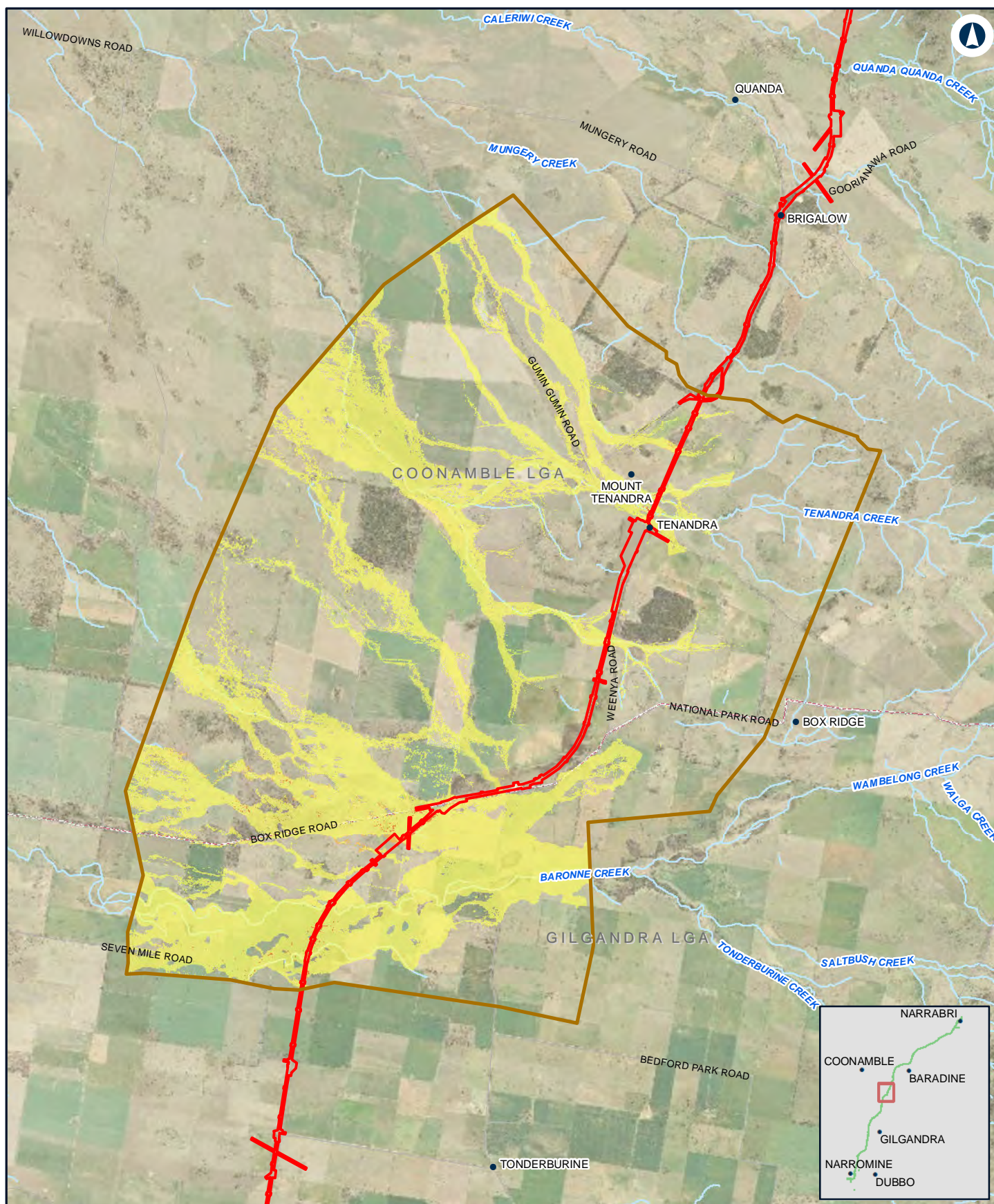
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- | | | | |
|----------------------|-------------------|--|-------------------|
| | The proposal site | | Was low, now dry |
| | Model boundary | | Was high, now low |
| Hazard Change | | | Was high, now dry |
| | Was dry, now high | | |
| | Was low, now high | | |
| | Was dry, now low | | |
| | Unchanged | | |

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N9

Appendix G - Figure 4.6f

0 1.5 3 Km

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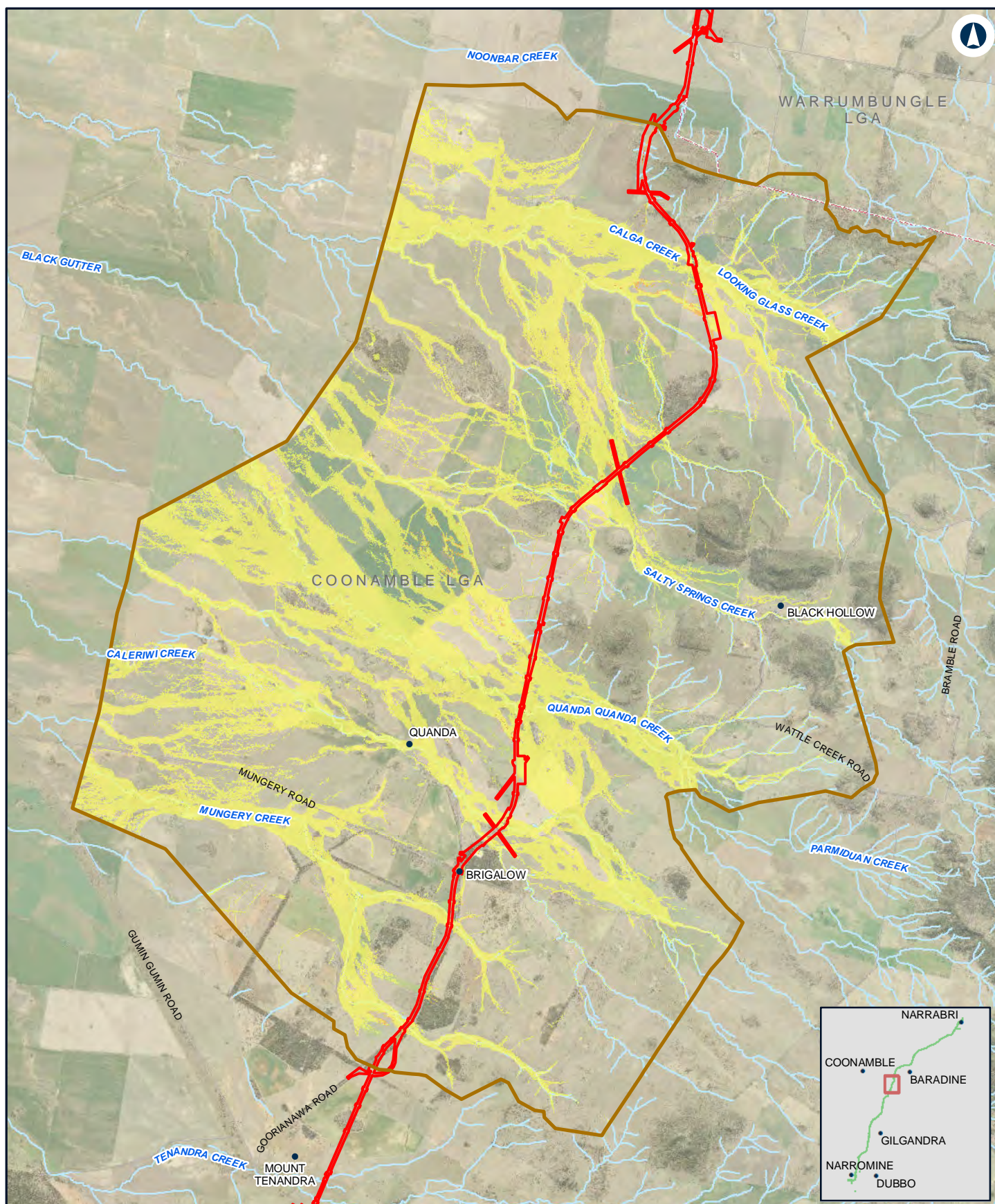
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N8

Appendix G - Figure 4.6g

0 1 2 Km

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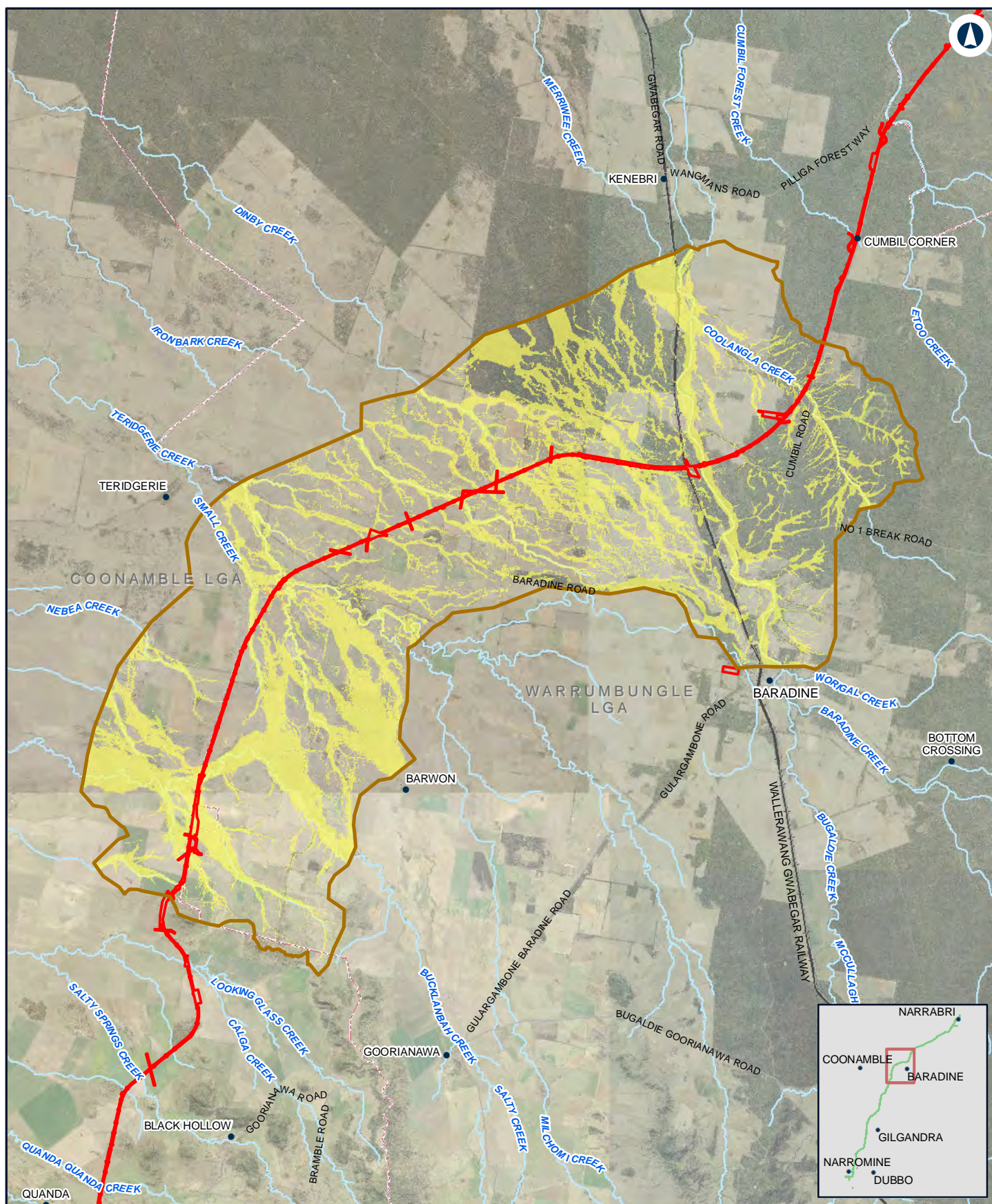
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N7

Appendix G - Figure 4.6h

0 2.5 5 Km

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Author: JacobsGHD

Scale: 1:200,000

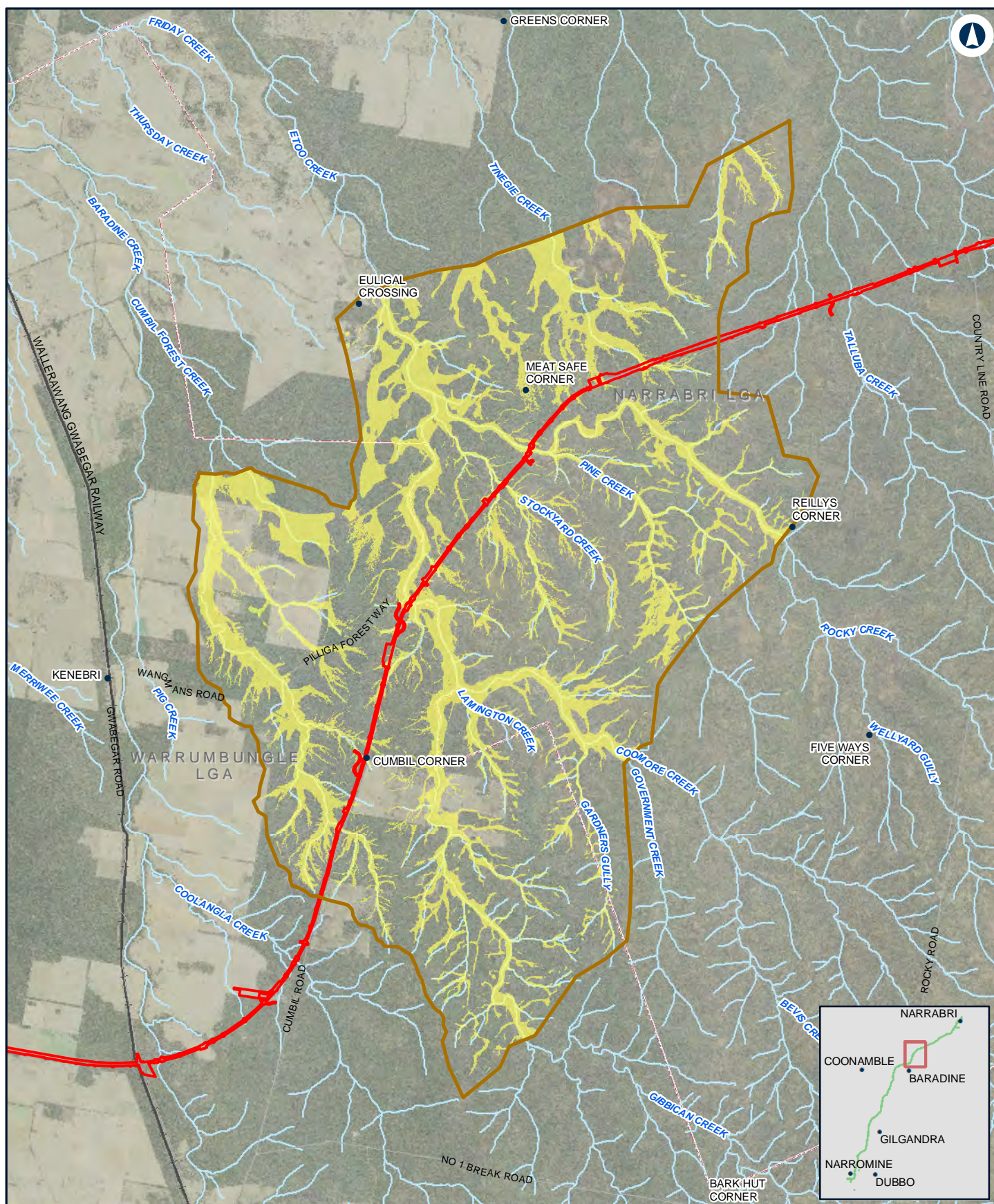
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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

Change in flood hazard - 0.5% AEP - N2N6

Appendix G - Figure 4.6i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:150,000

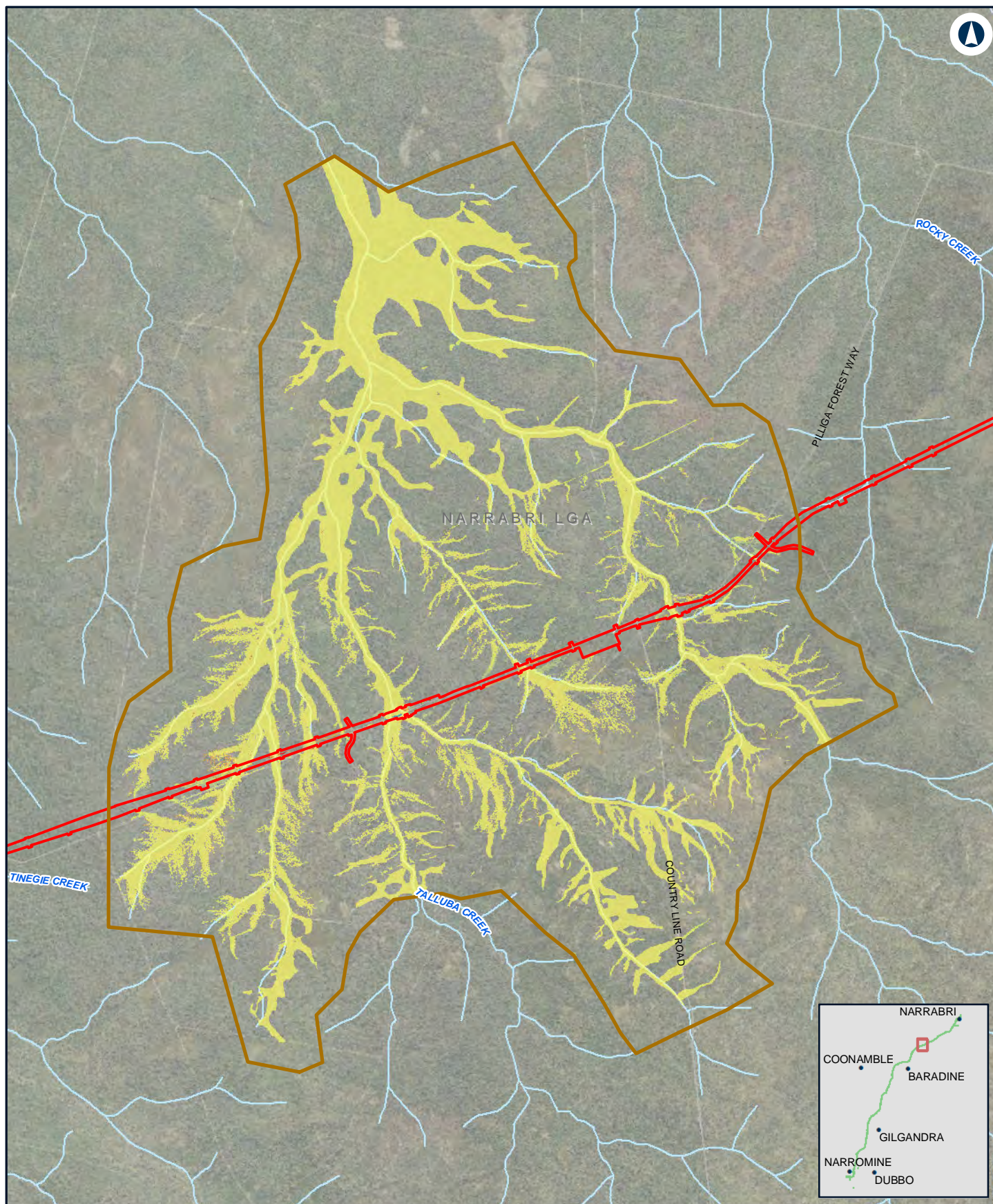
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N5

Appendix G - Figure 4.6j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:70,000

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

LEGEND

The proposal site

Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

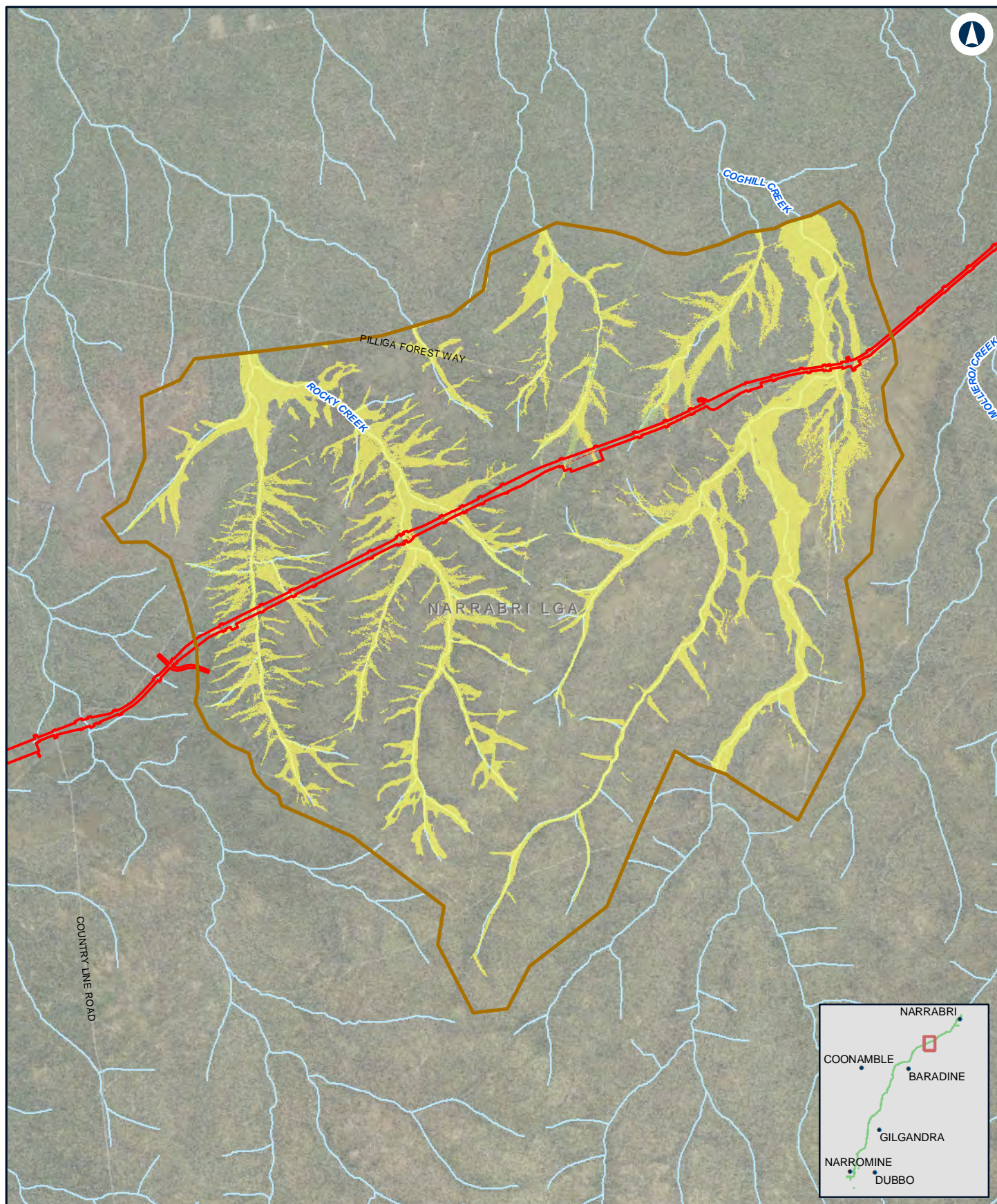
Was low, now dry

Was high, now low

Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N4

Appendix G - Figure 4.6k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020
Author: JacobsGHD

Paper: A4
Scale: 1:80,000

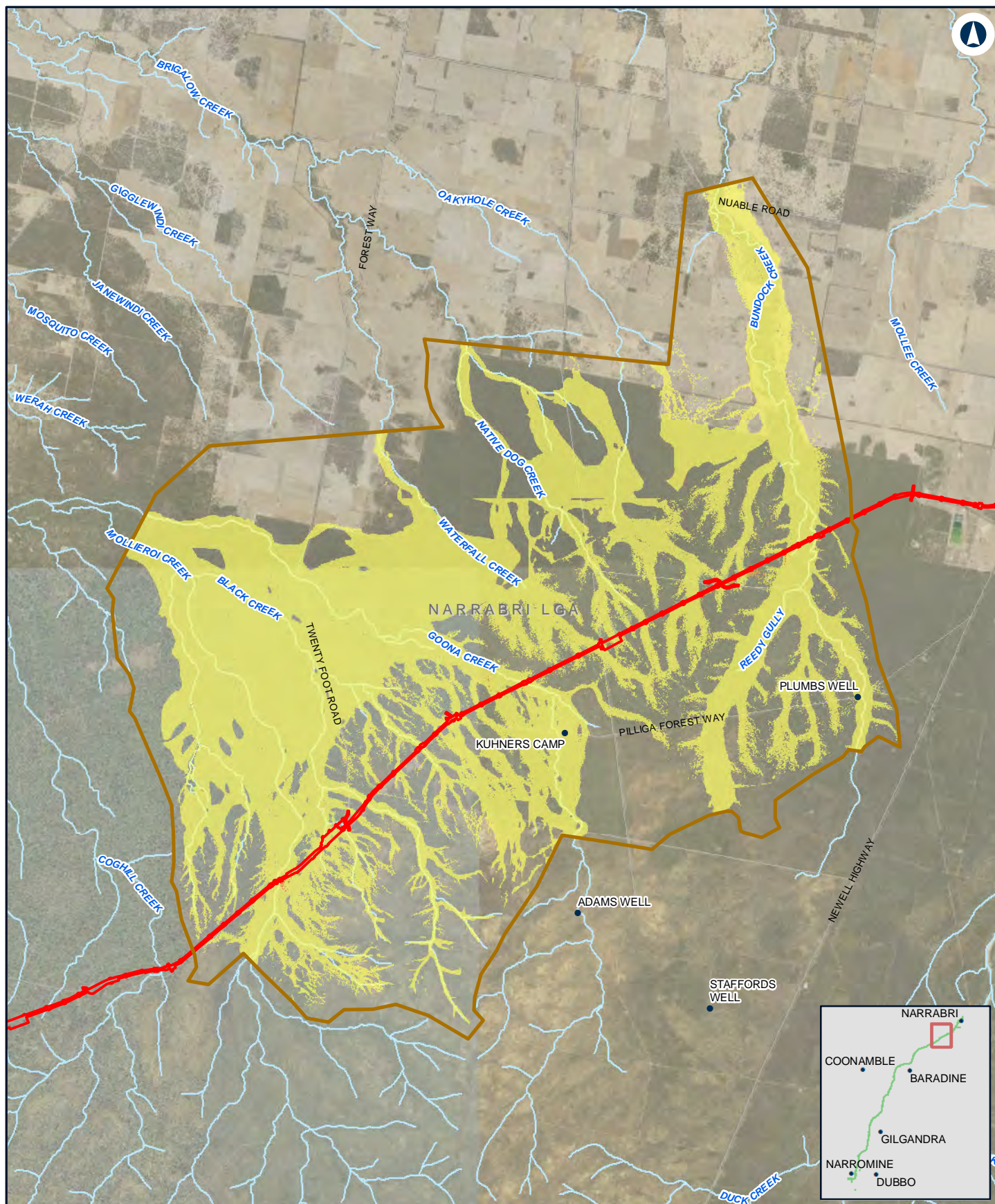
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Was low, now dry
- Was high, now low
- Was high, now dry
- Unchanged

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - N2N23

Appendix G - Figure 4.6I

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

The proposal site

Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

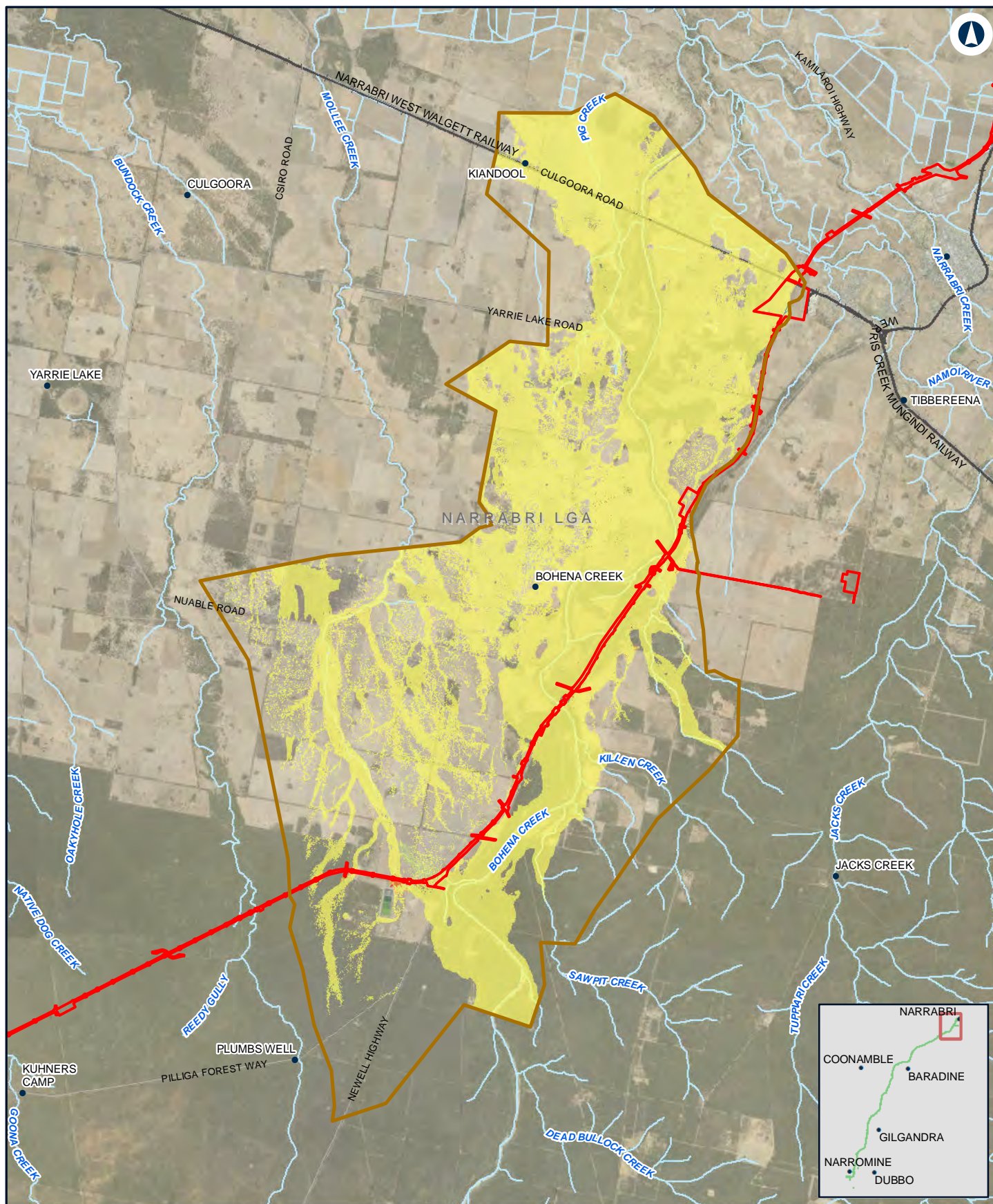
Was low, now dry

Was high, now low

Was high, now dry

INLAND RAIL **ARTC**

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

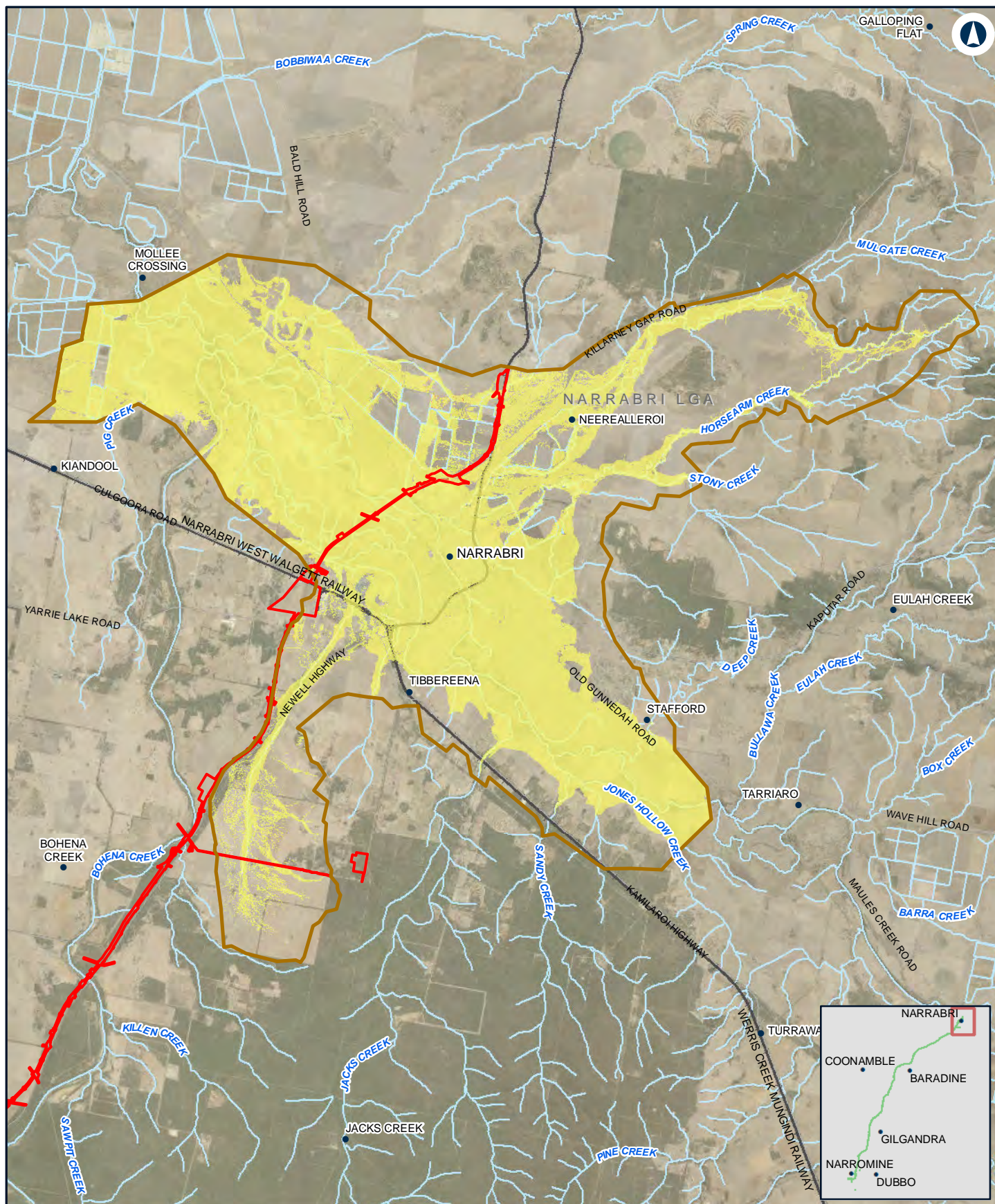
Was low, now dry

Was high, now low

Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.5% AEP - Narrabri

Appendix G - Figure 4.6n

0 2 4
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

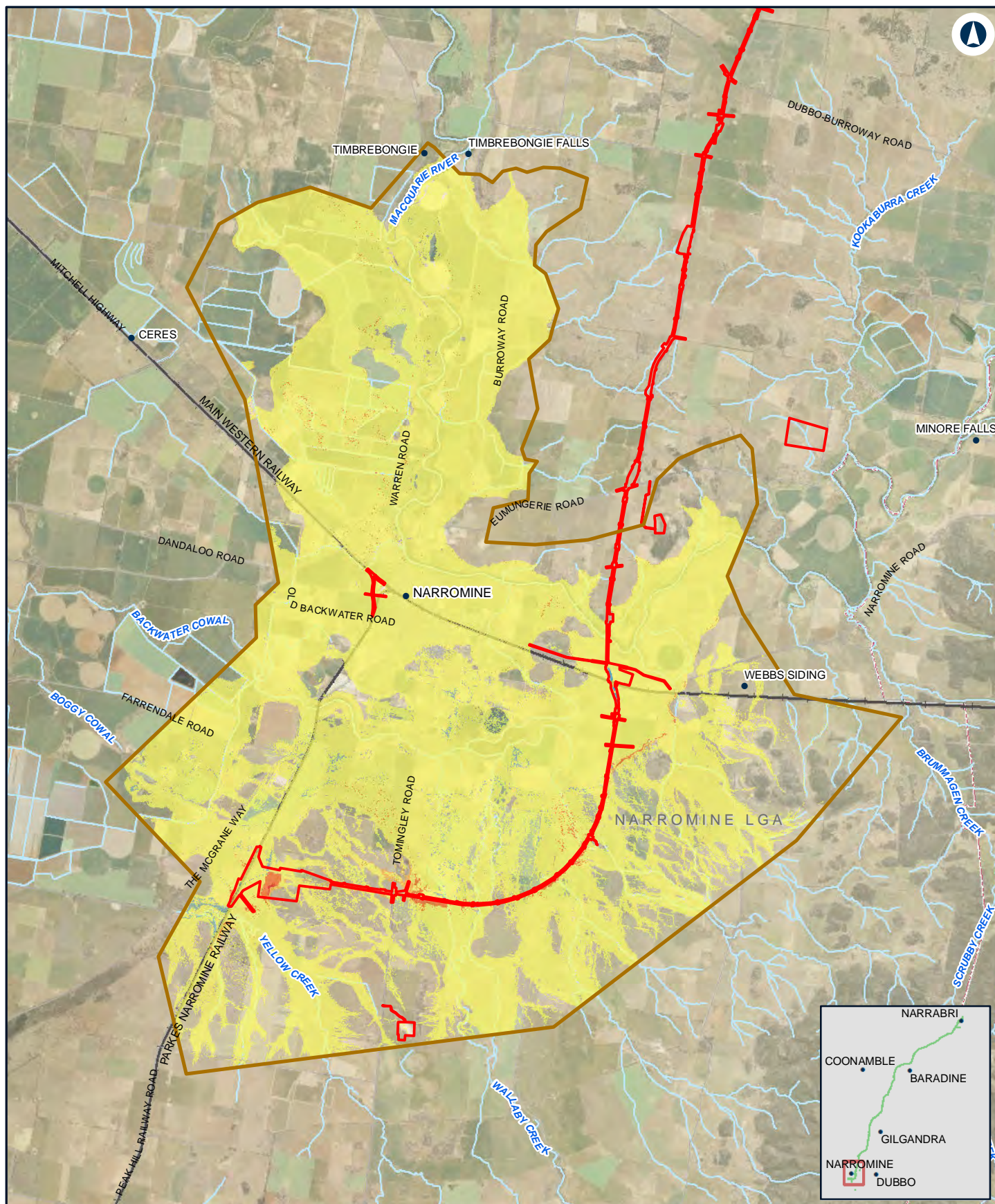
Was low, now dry

Was high, now low

Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - NFM

Appendix G - Figure 4.7a

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:140,000

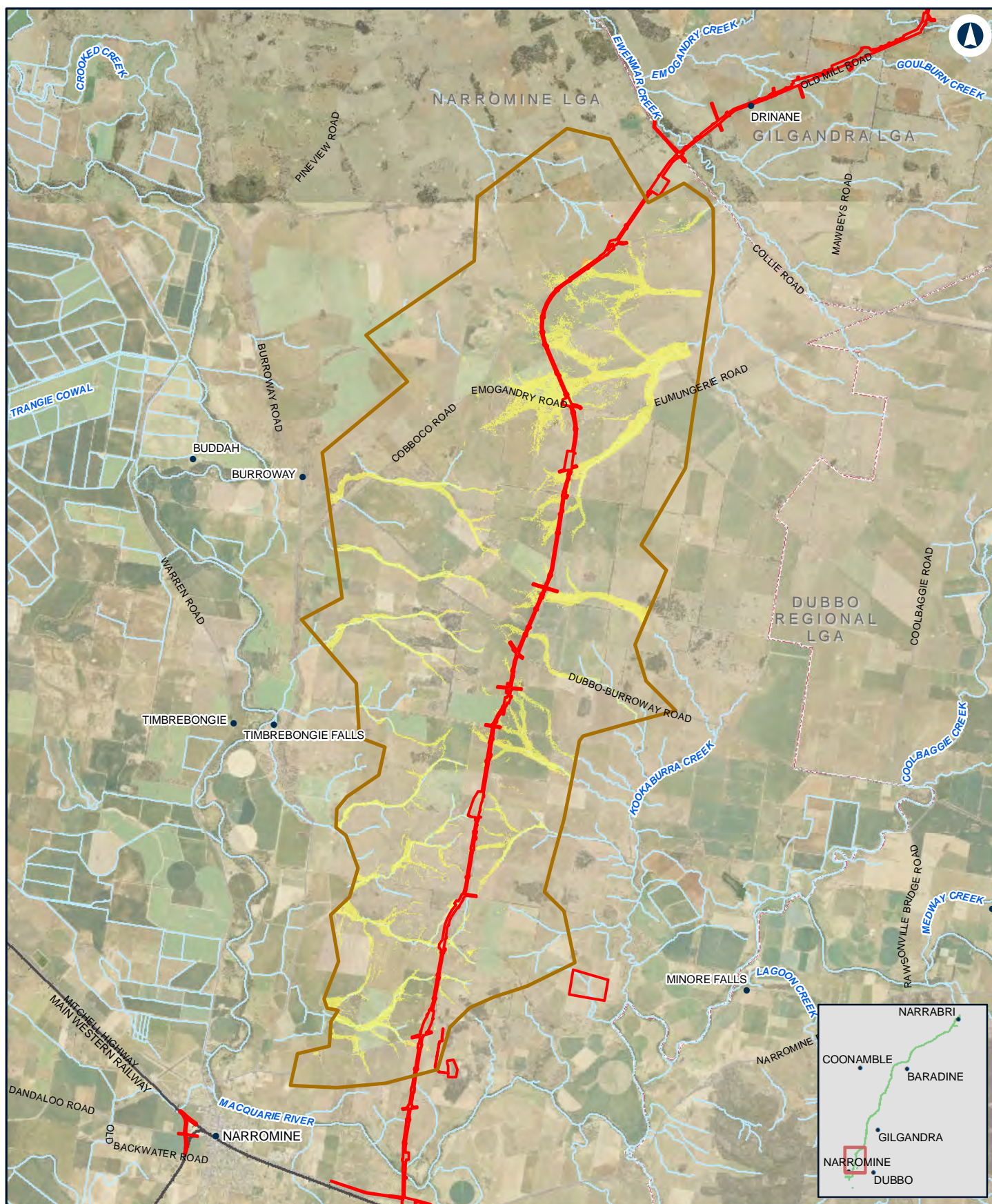
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N14

Appendix G - Figure 4.7b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:150,000

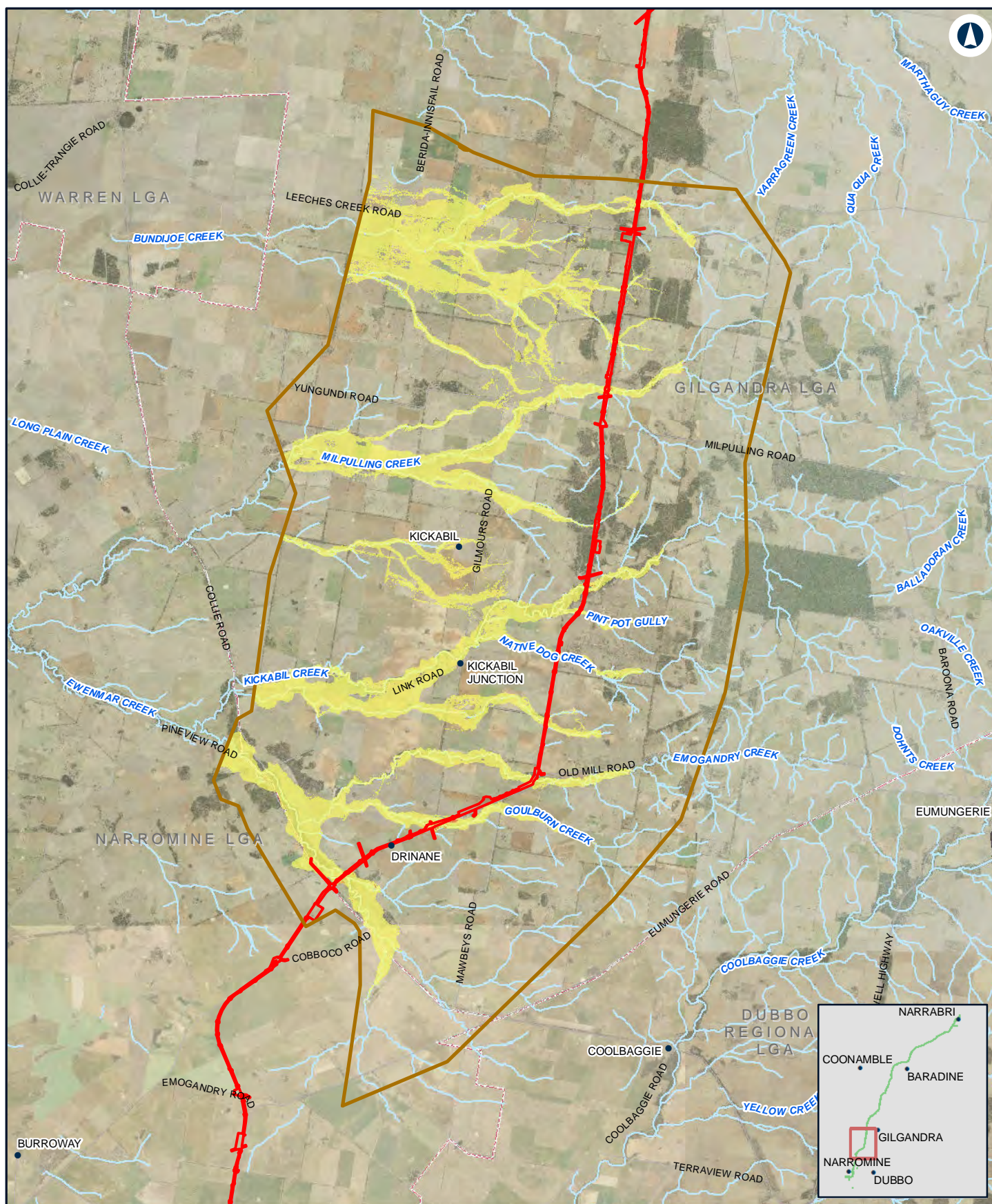
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was low, now dry
- Was low, now high
- Was high, now low
- Was dry, now high
- Was dry, now low
- Unchanged

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N13

Appendix G - Figure 4.7c

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:180,000

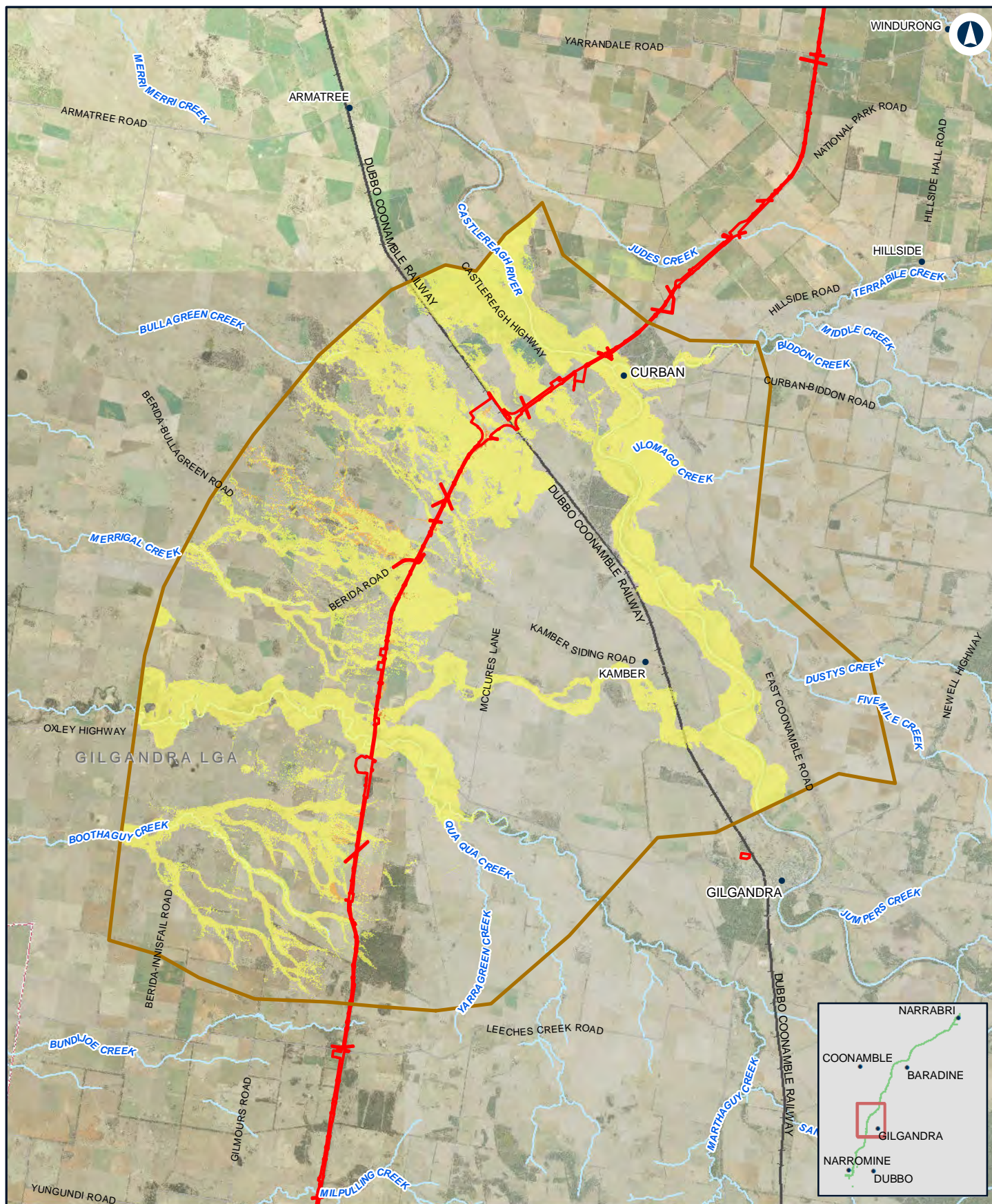
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N11N12

Appendix G - Figure 4.7d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:200,000

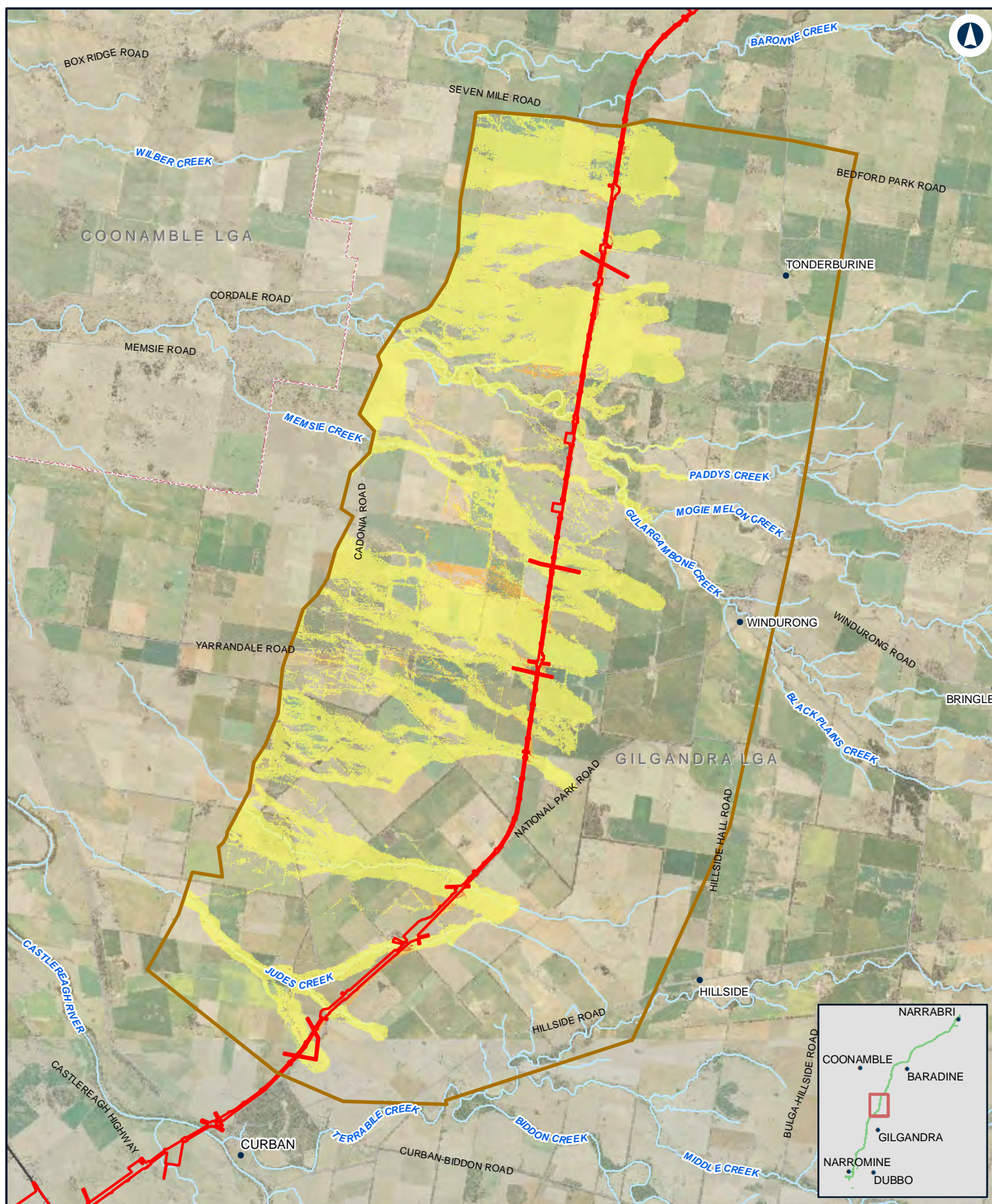
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N10

Appendix G - Figure 4.7e

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:130,000

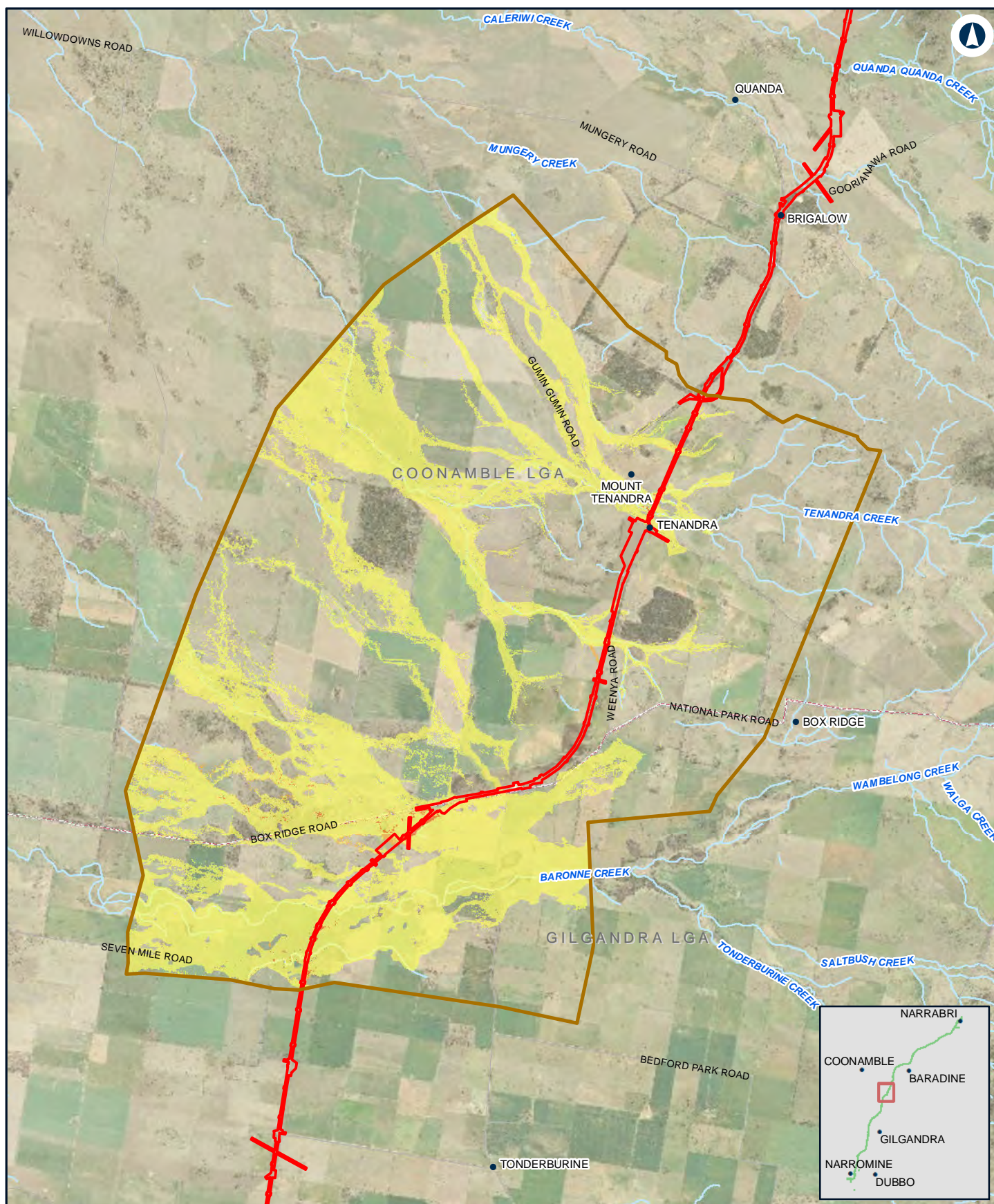
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- | | | | |
|----------------------|-------------------|--|-------------------|
| | The proposal site | | Was low, now dry |
| | Model boundary | | Was high, now low |
| Hazard Change | | | Was high, now dry |
| | Was dry, now high | | |
| | Was low, now high | | |
| | Was dry, now low | | |
| | Unchanged | | |

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N9

Appendix G - Figure 4.7f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:110,000

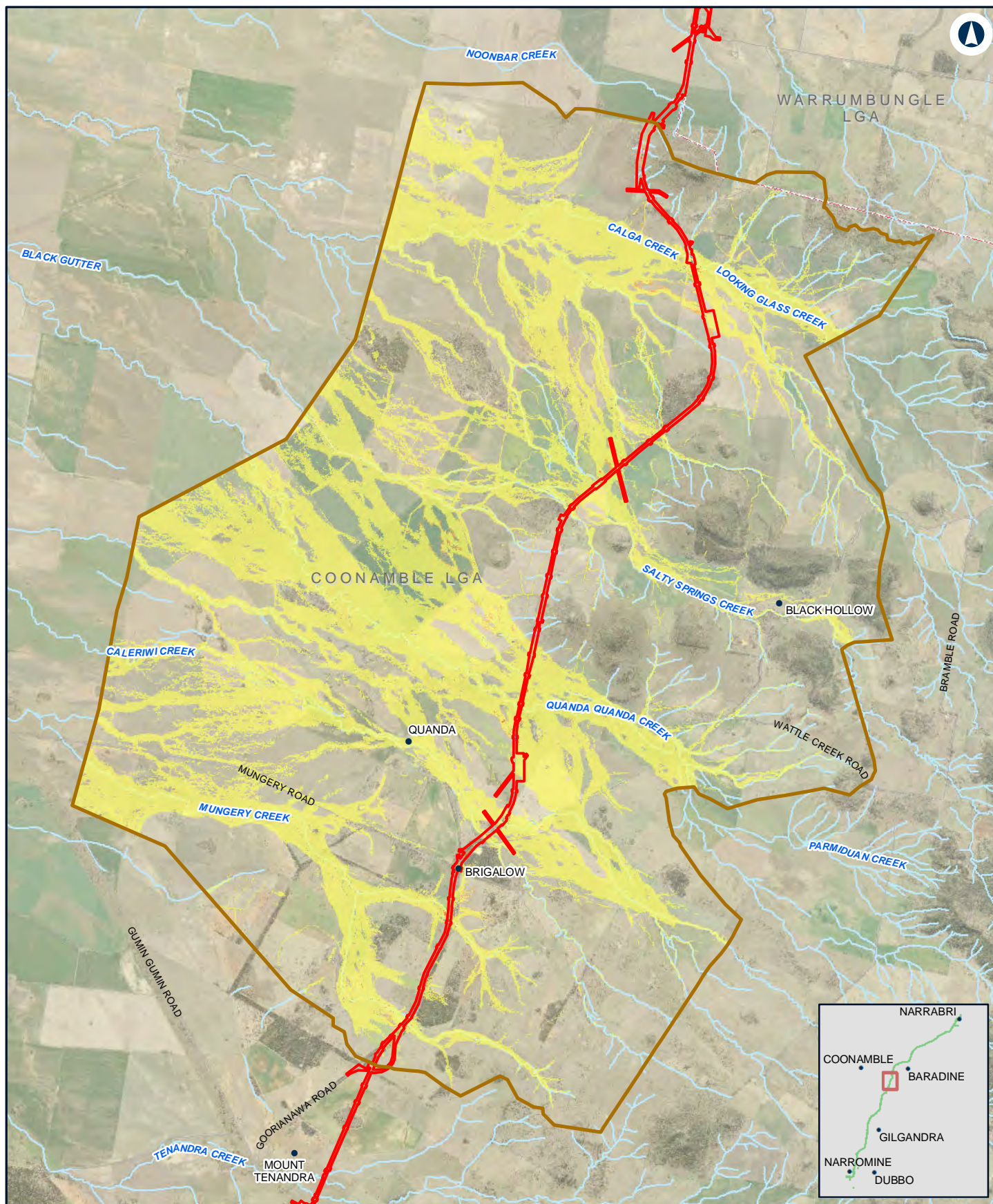
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N8

Appendix G - Figure 4.7g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020
Author: JacobsGHD

Paper: A4
Scale: 1:100,000

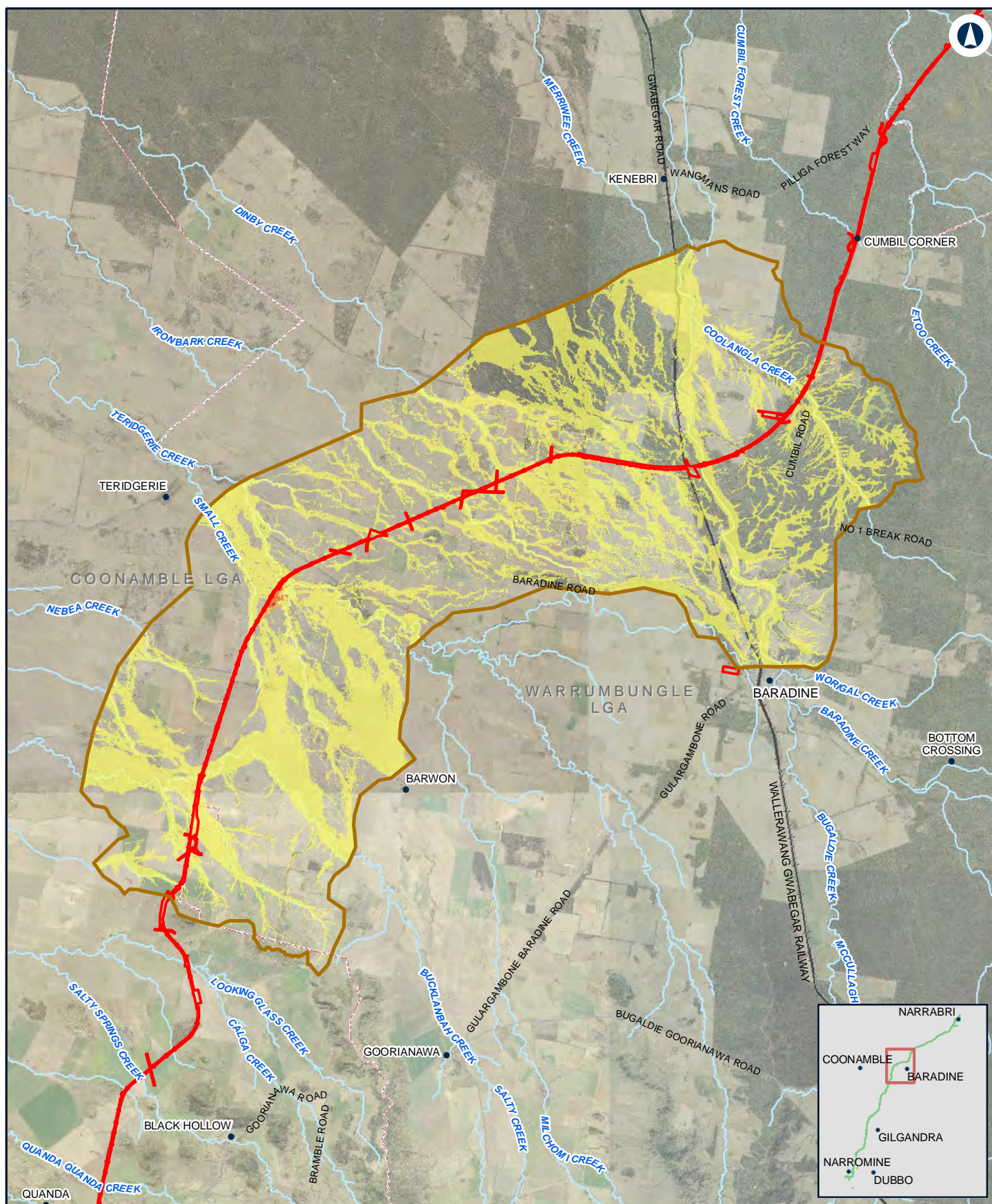
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N7

Appendix G - Figure 4.7h

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:200,000

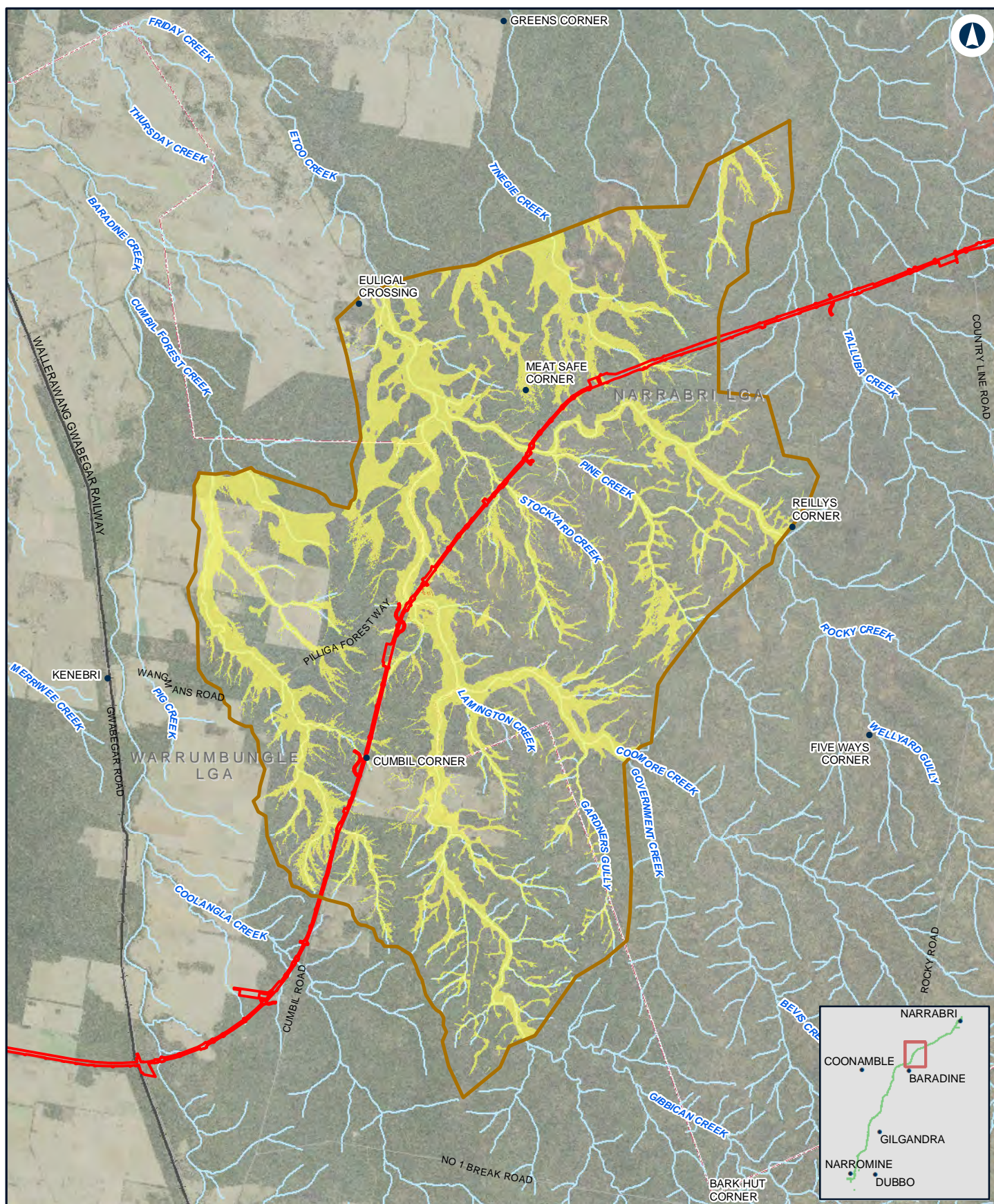
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N6

Appendix G - Figure 4.7i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4

Author: JacobsGHD Scale: 1:150,000

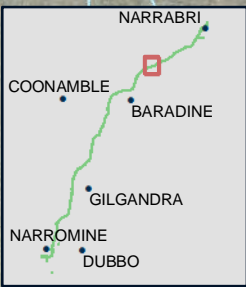
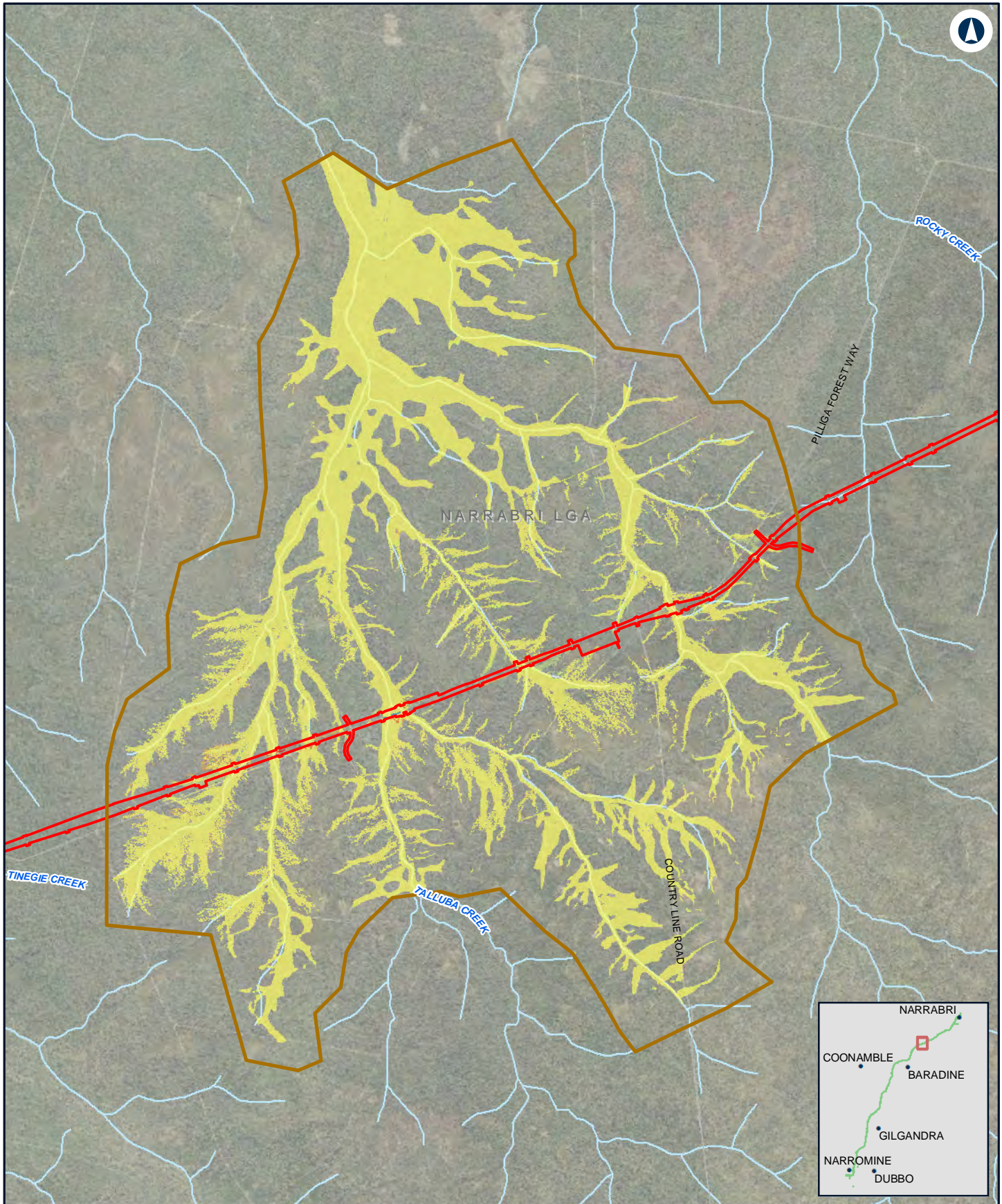
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
 - Was dry, now high
 - Was low, now high
 - Was dry, now low
 - Unchanged
 - Was low, now dry
 - Was high, now low
 - Was high, now dry

INLAND RAIL **ARTC**

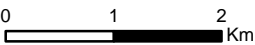
The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.



NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N5

Appendix G - Figure 4.7j

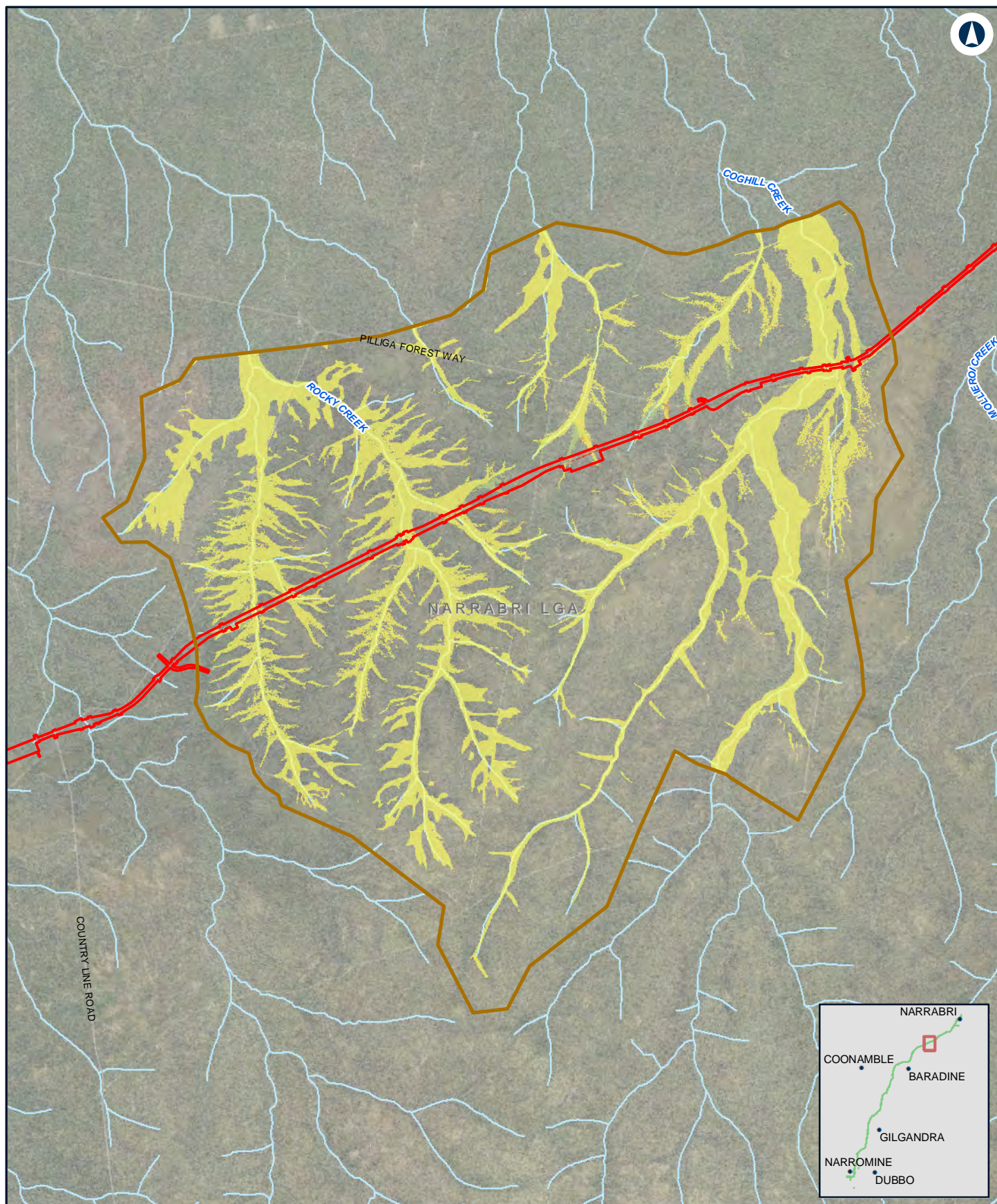


Coordinate System: GDA 1994 MGA Zone 55
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 ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.
 Date: 27/10/2020 Paper: A4
 Author: JacobsGHD Scale: 1:70,000
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

The proposal site	Was low, now dry
Model boundary	Was high, now low
Hazard Change	
Was dry, now high	Was high, now dry
Was low, now high	
Was dry, now low	
Unchanged	

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NARROMINE TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N4

Appendix G - Figure 4.7k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:80,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

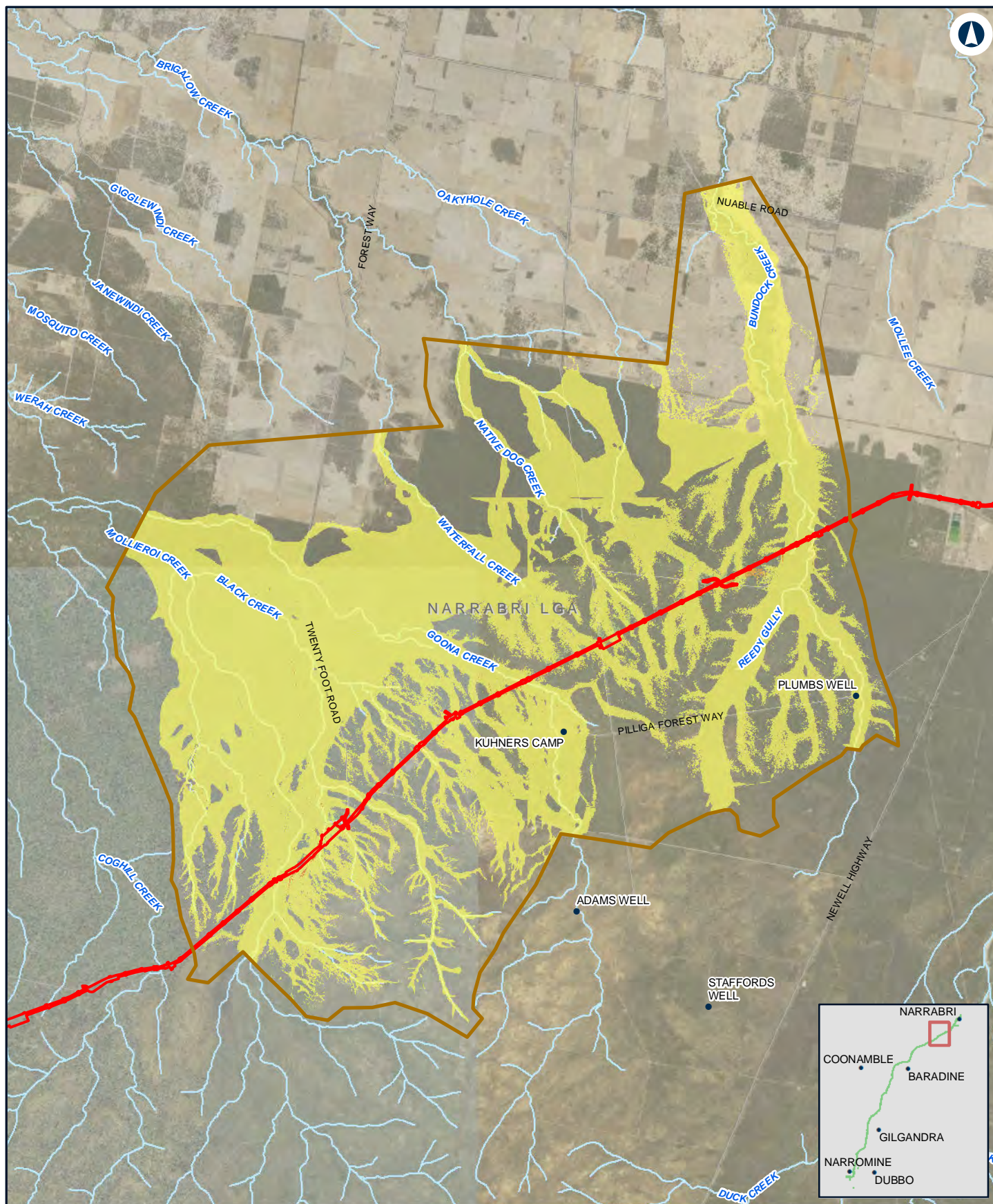
Was low, now dry

Was high, now low

Was high, now dry

INLAND RAIL **ARTC**

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NARRABRI TO NARRABRI

Change in flood hazard - 0.2% AEP - N2N23

Appendix G - Figure 4.7I

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

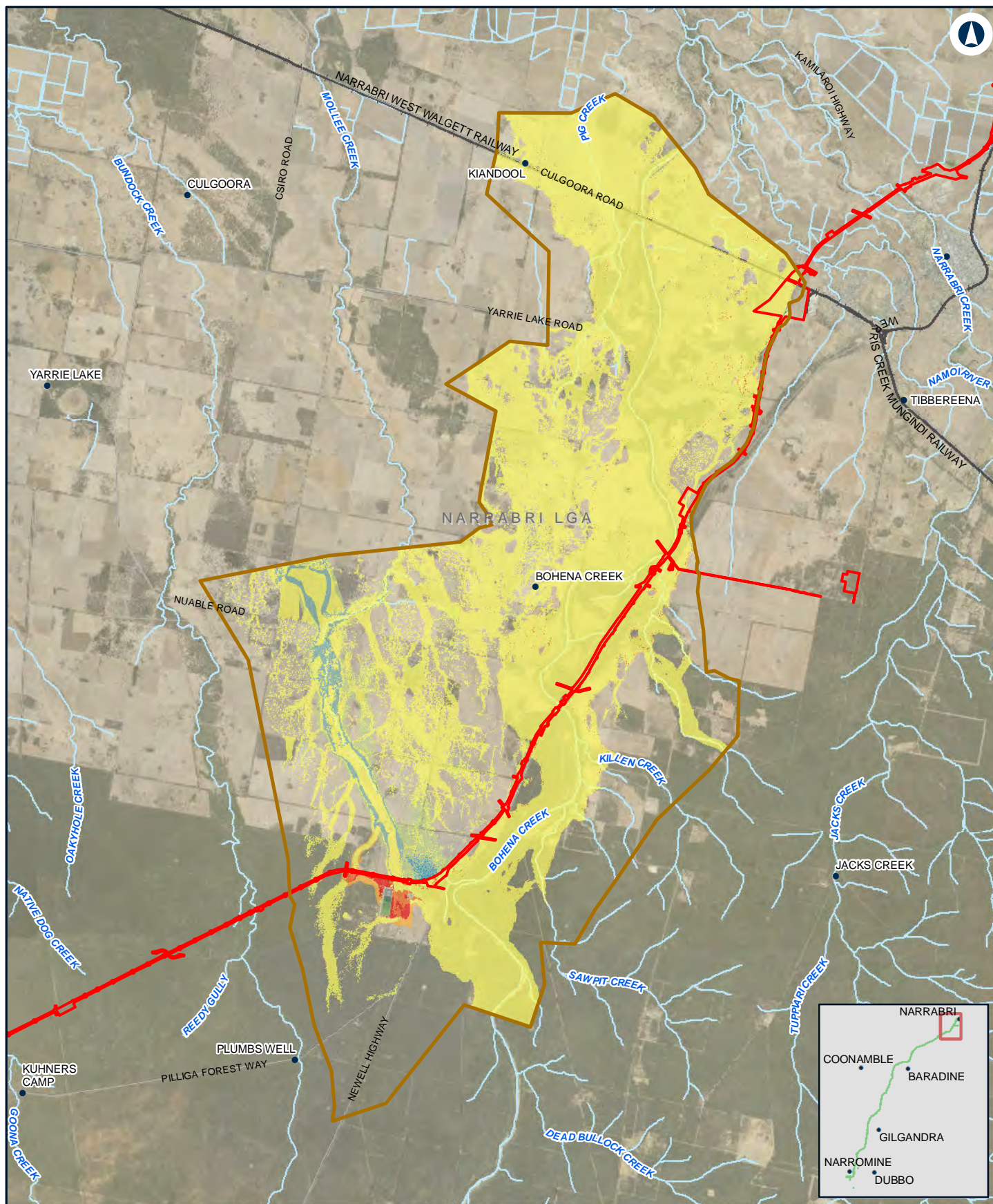
Author: JacobsGHD

Scale: 1:140,000

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

INLAND RAIL **ARTC**

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020
Author: JacobsGHD

Paper: A4
Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

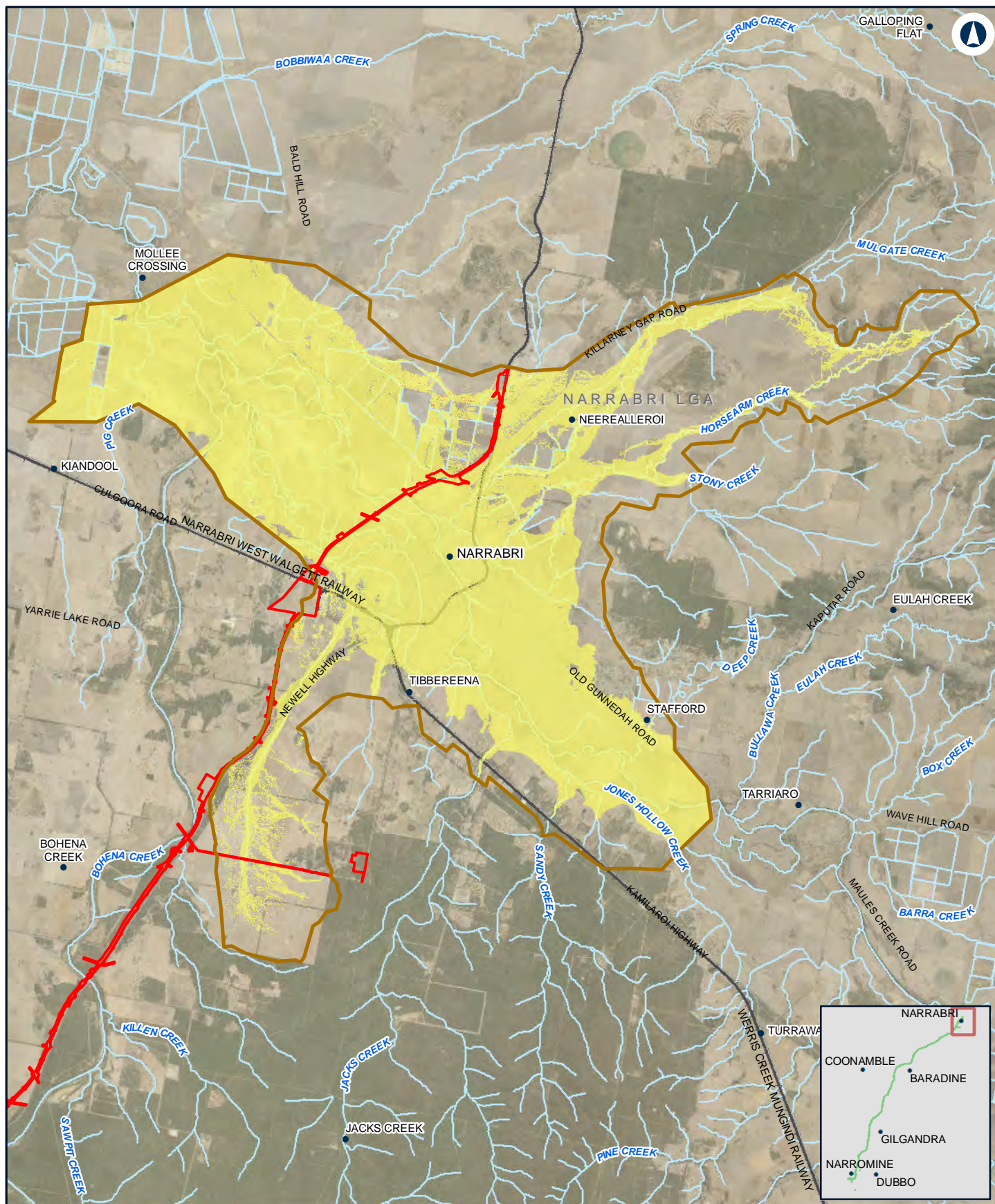
Was low, now dry

Was high, now low

Was high, now dry

INLAND RAIL **ARTC**

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Narromine to Narrabri

Change in flood hazard - 0.2% AEP - Narrabri

Appendix G - Figure 4.7n

0 2 4
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

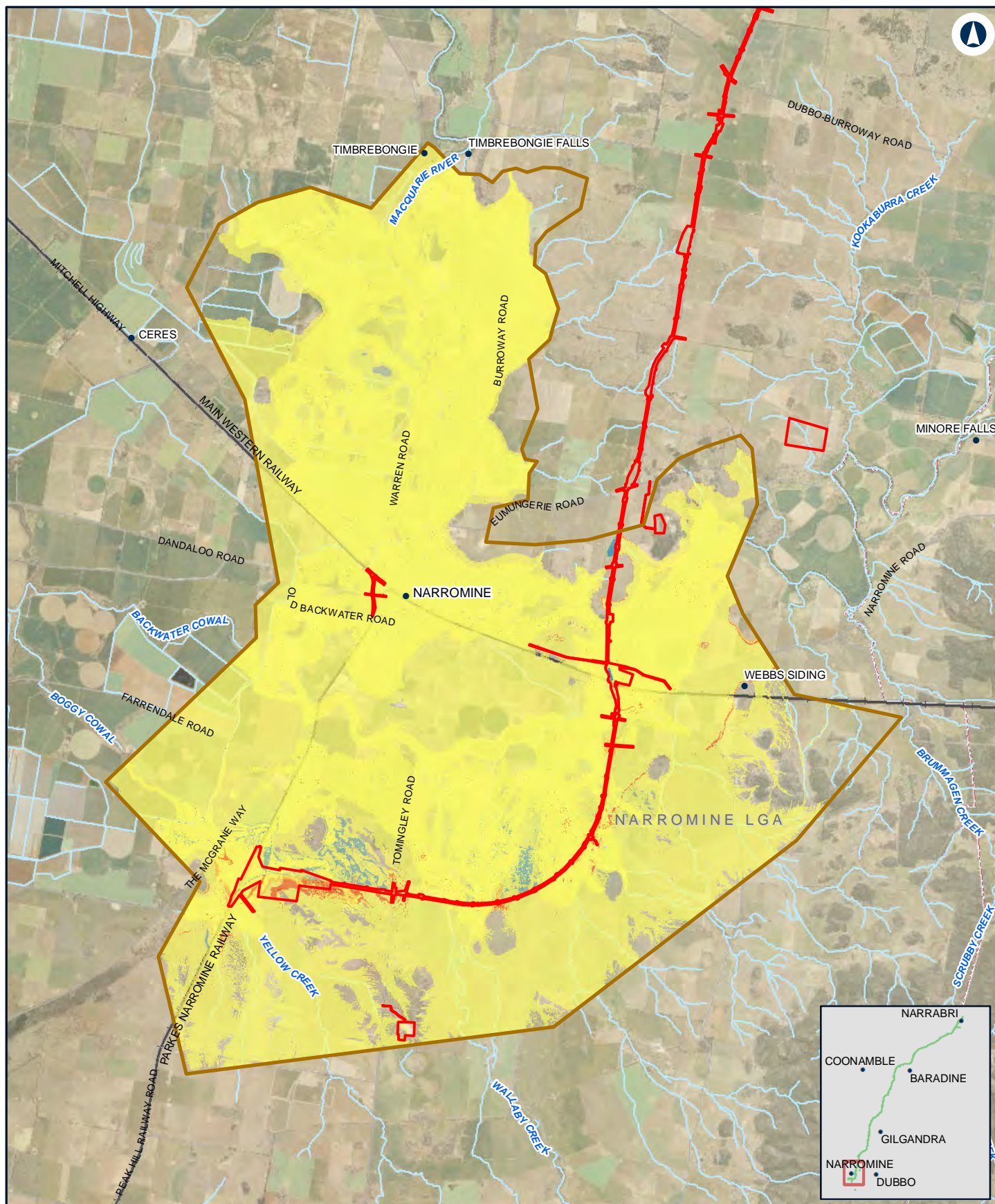
Was low, now dry

Was high, now low

Was high, now dry

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

Change in flood hazard - PMF - NFM

Appendix G - Figure 4.8a

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

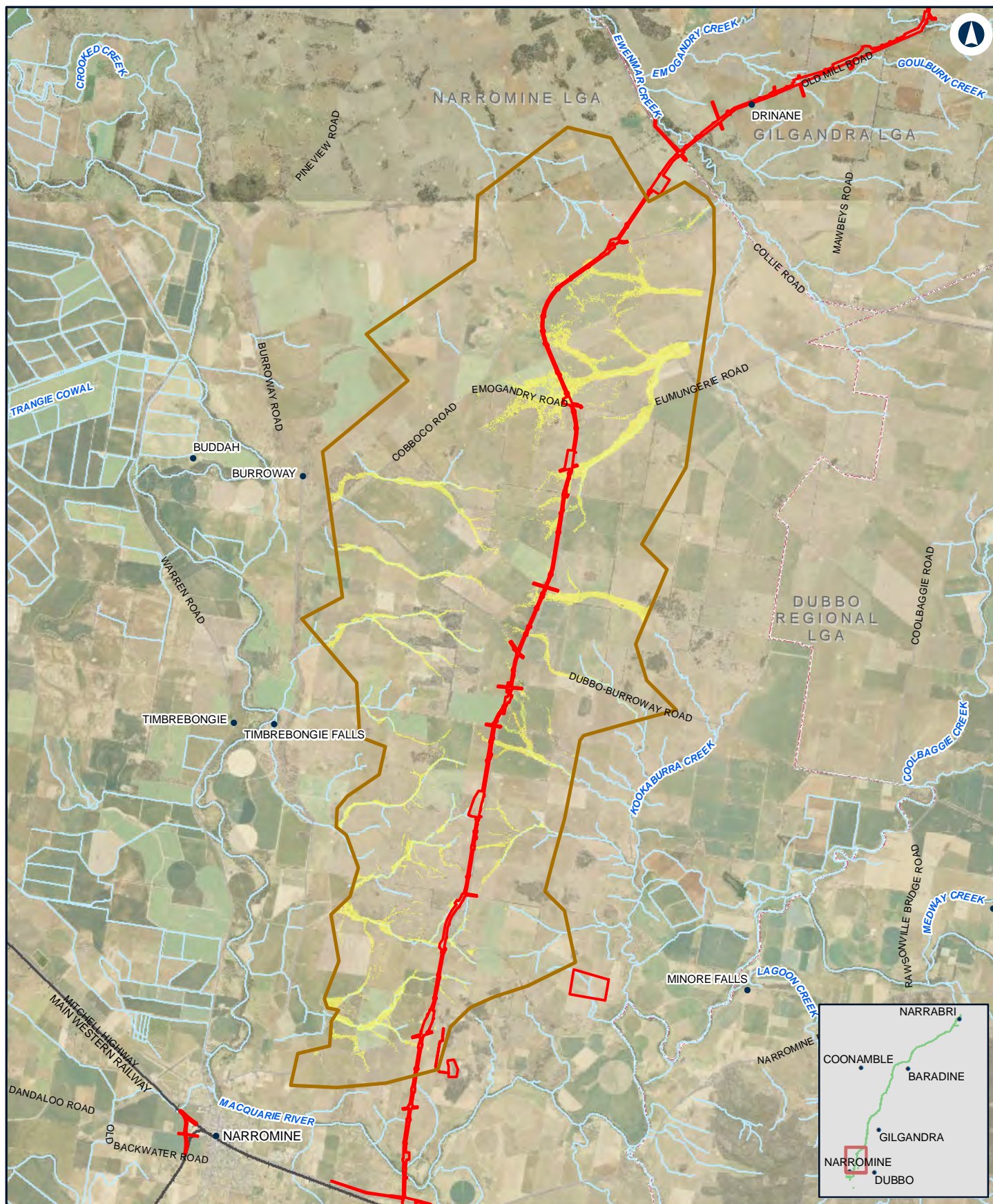
Was low, now dry

Was high, now low

Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N14

Appendix G - Figure 4.8b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

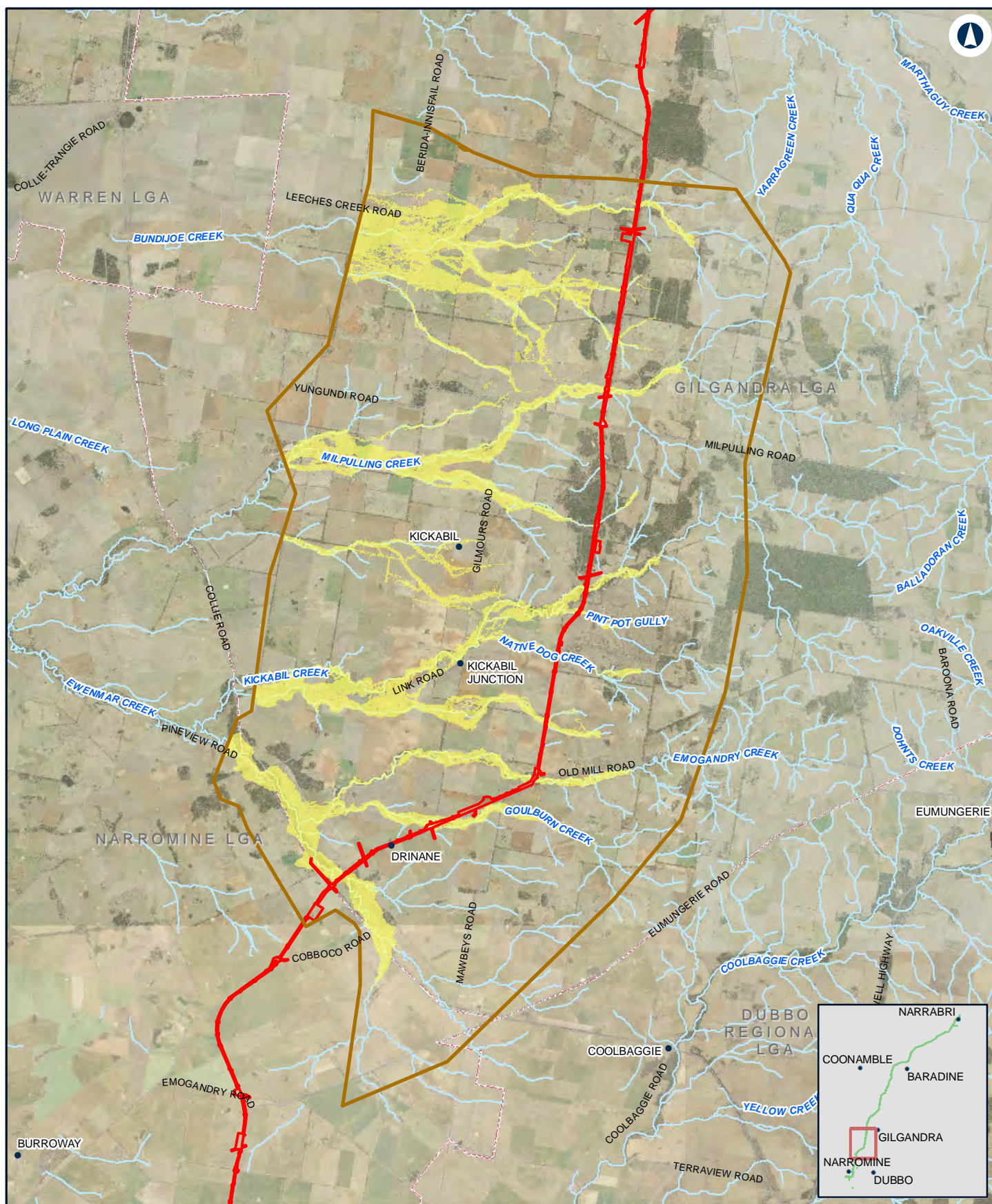
Was low, now dry

Was high, now low

Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N13

Appendix G - Figure 4.8c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:180,000

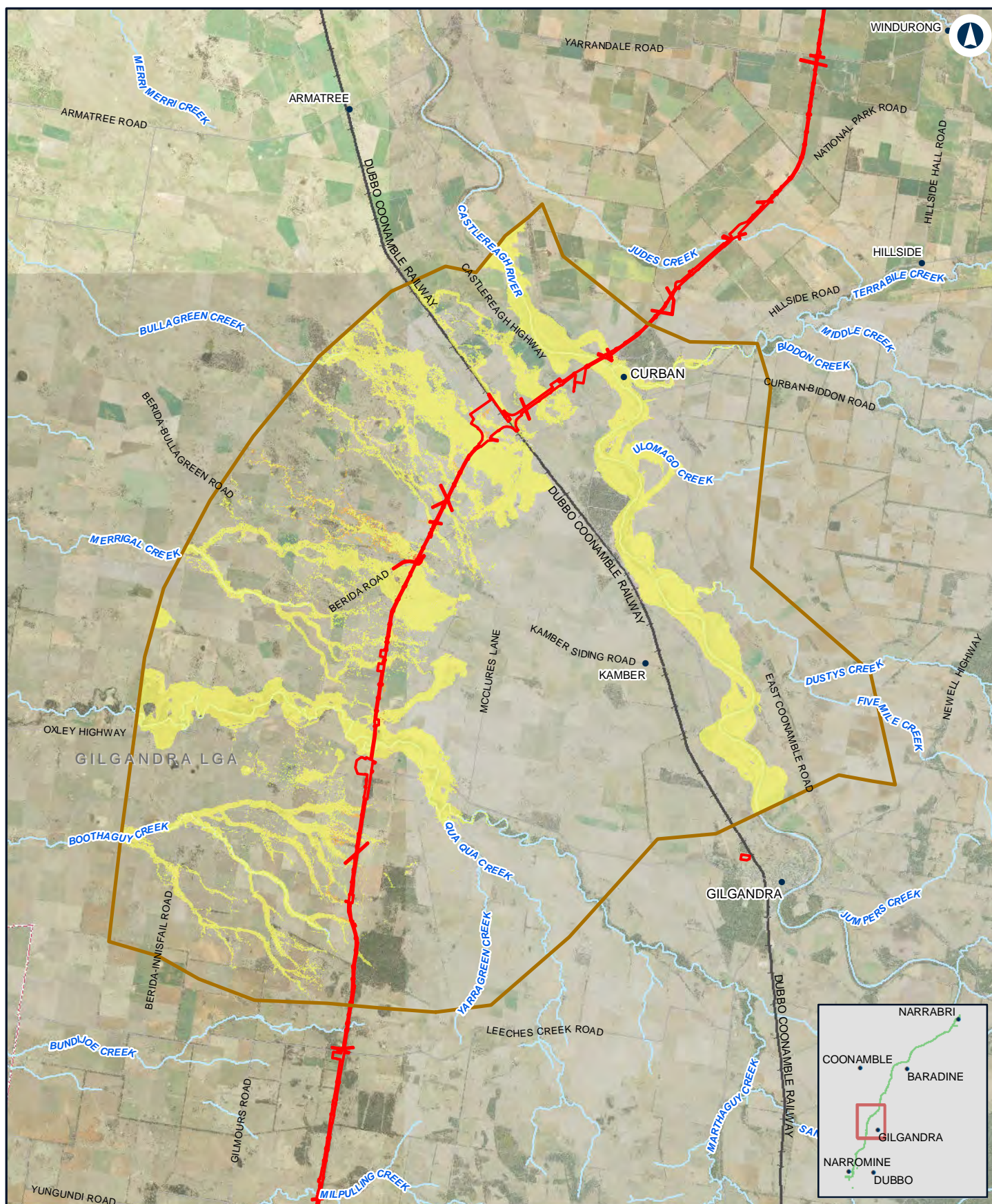
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N11N12

Appendix G - Figure 4.8d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:200,000

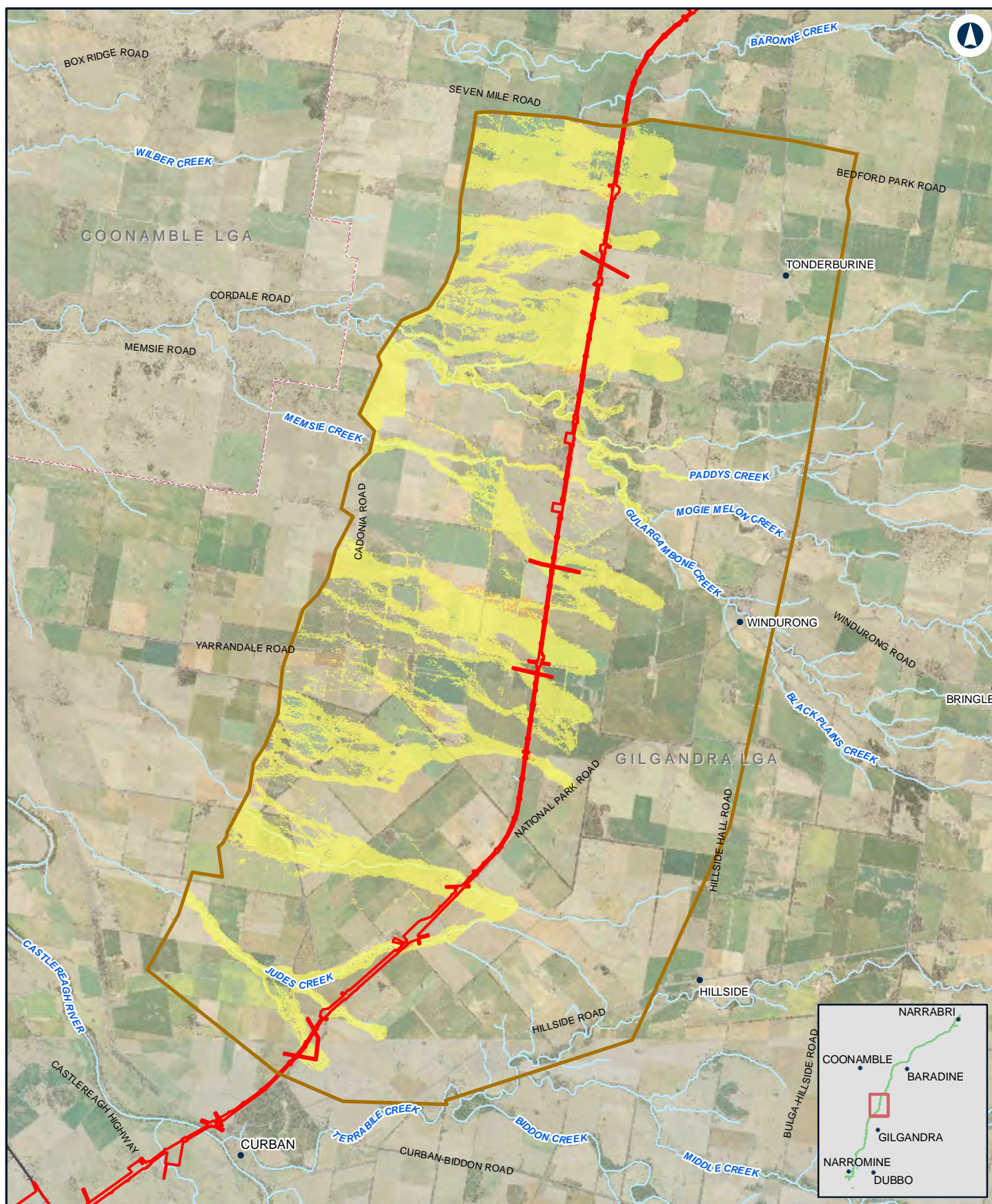
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N10

Appendix G - Figure 4.8e

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020
Author: JacobsGHD

Paper: A4
Scale: 1:130,000

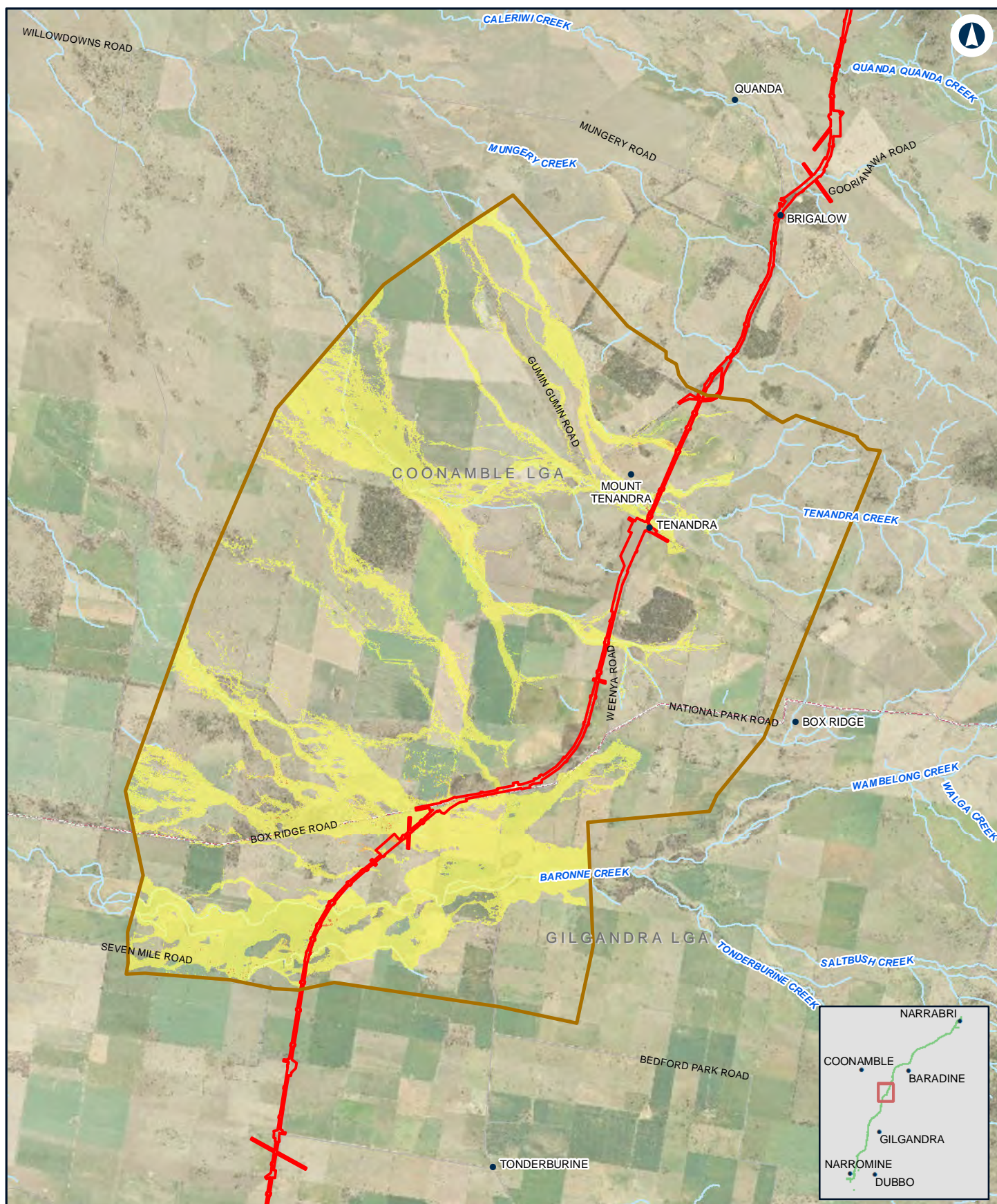
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N9

Appendix G - Figure 4.8f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:110,000

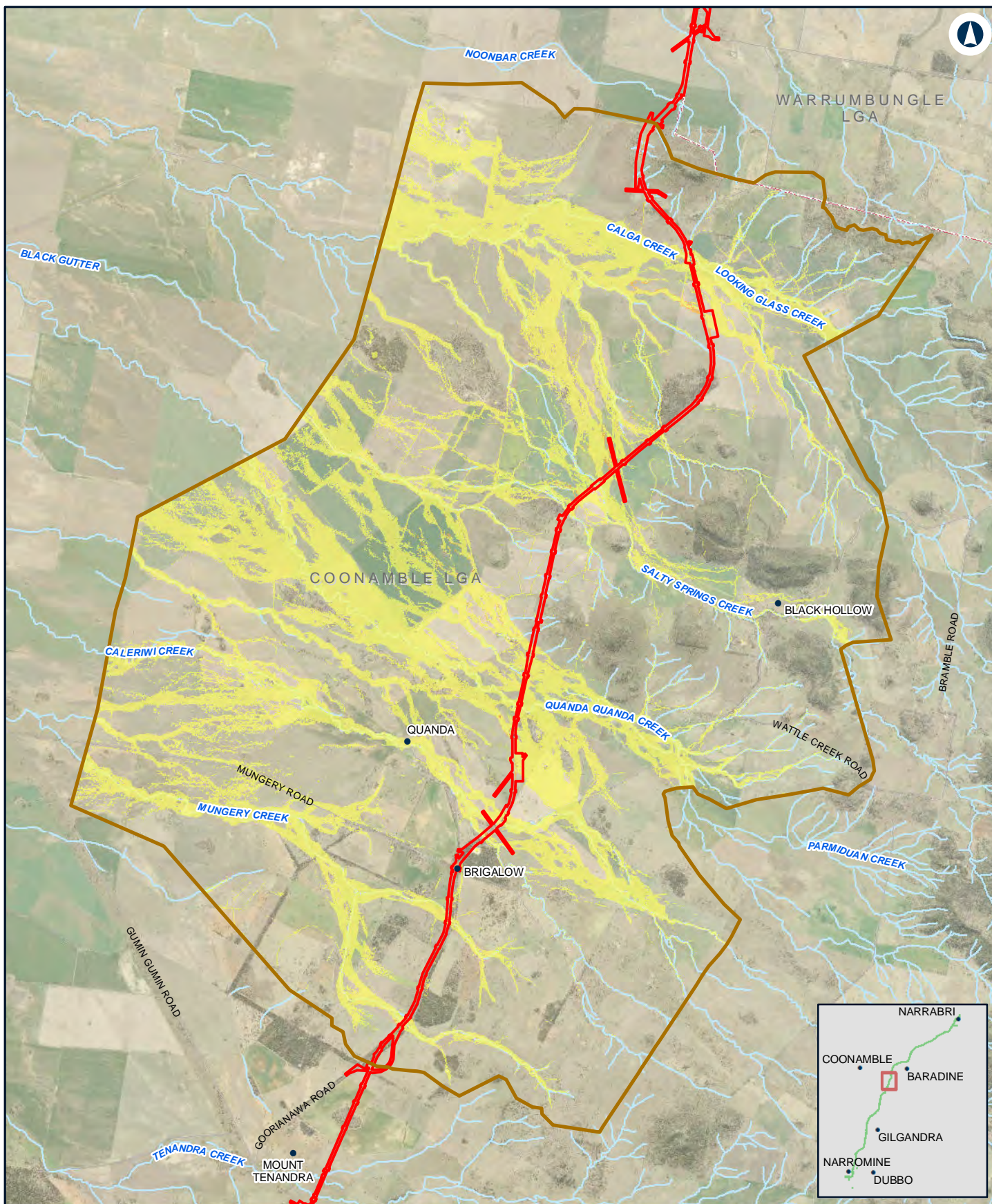
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
 - Was dry, now high
 - Was low, now high
 - Was dry, now low
 - Unchanged
 - Was low, now dry
 - Was high, now low
 - Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N8

Appendix G - Figure 4.8g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:100,000

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

LEGEND

 The proposal site

 Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

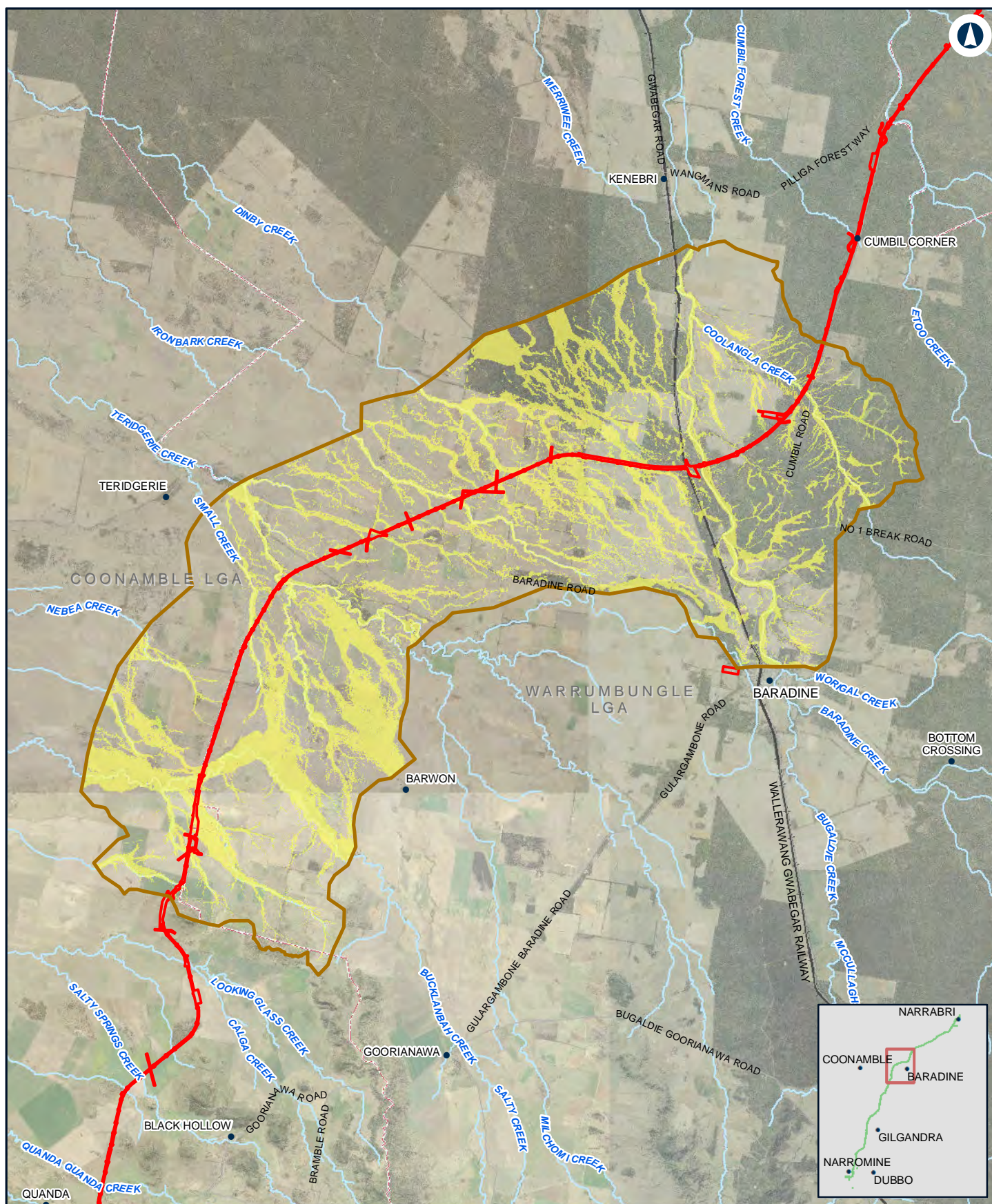
Was low, now dry

Was high, now low

Was high, now dry

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0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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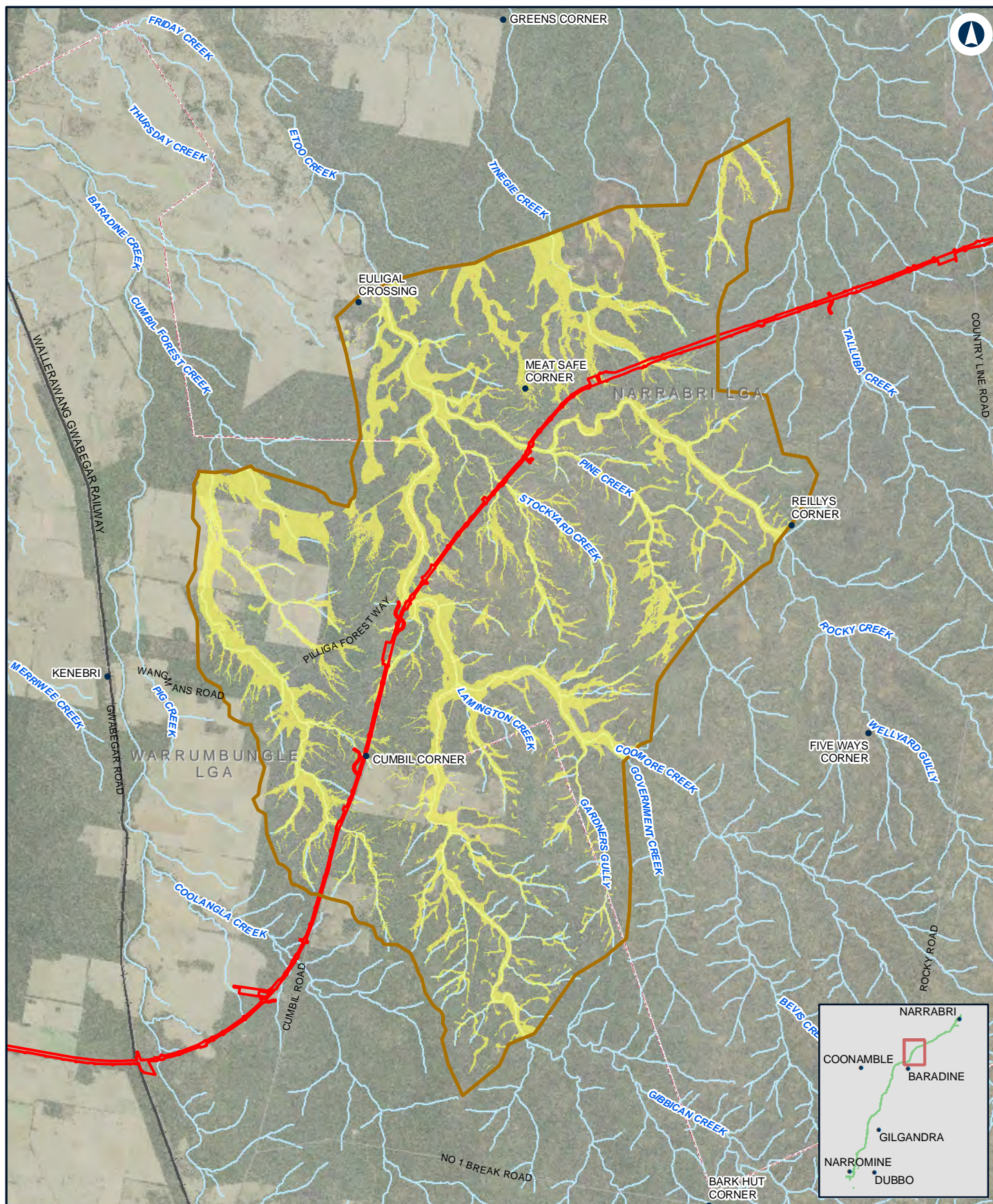
ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.

Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:200,000

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

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N6

Appendix G - Figure 4.8i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:150,000

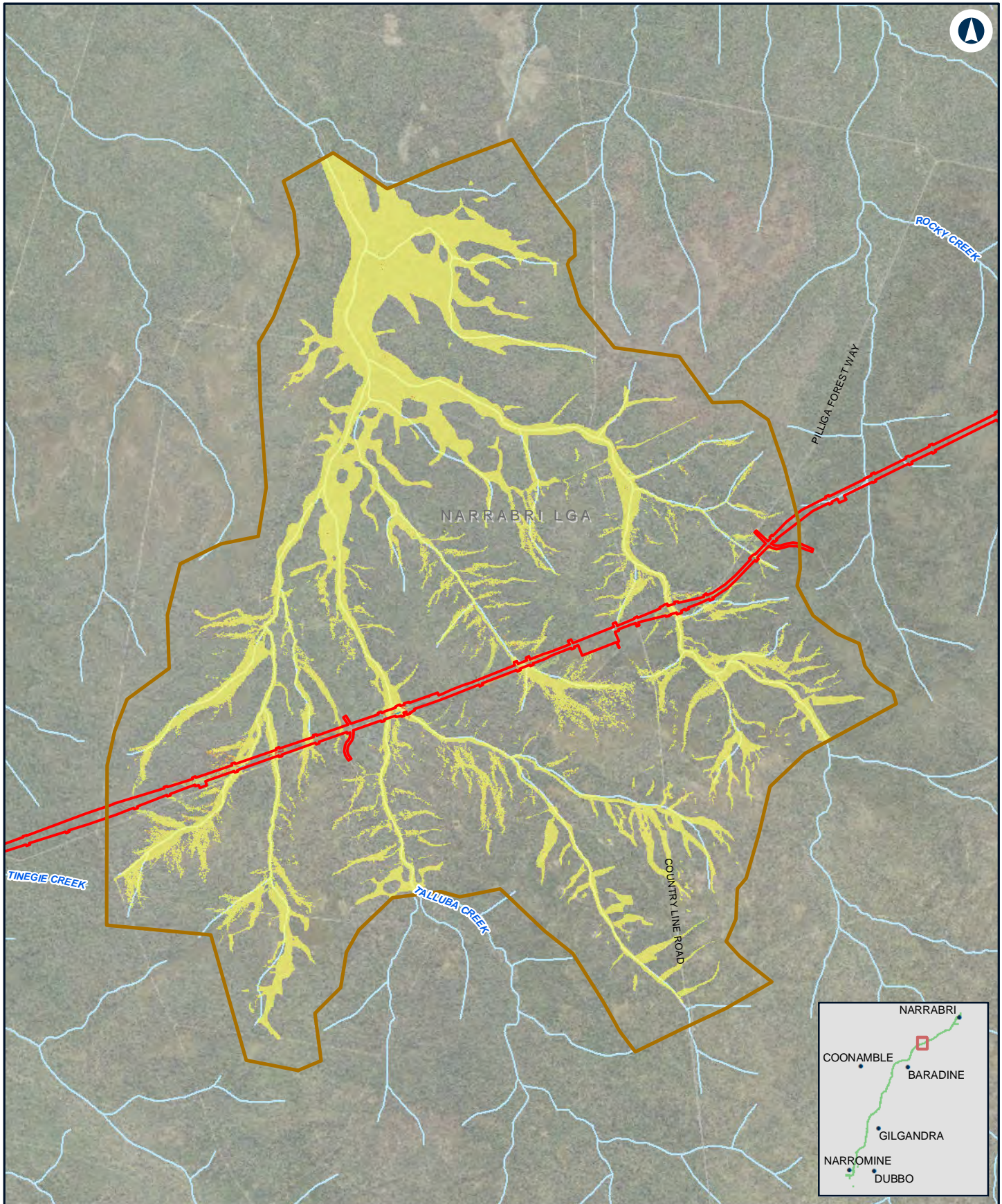
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was low, now low
- Was high, now low
- Unchanged

INLAND RAIL **ARTC**

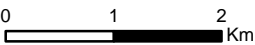
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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N5

Appendix G - Figure 4.8j

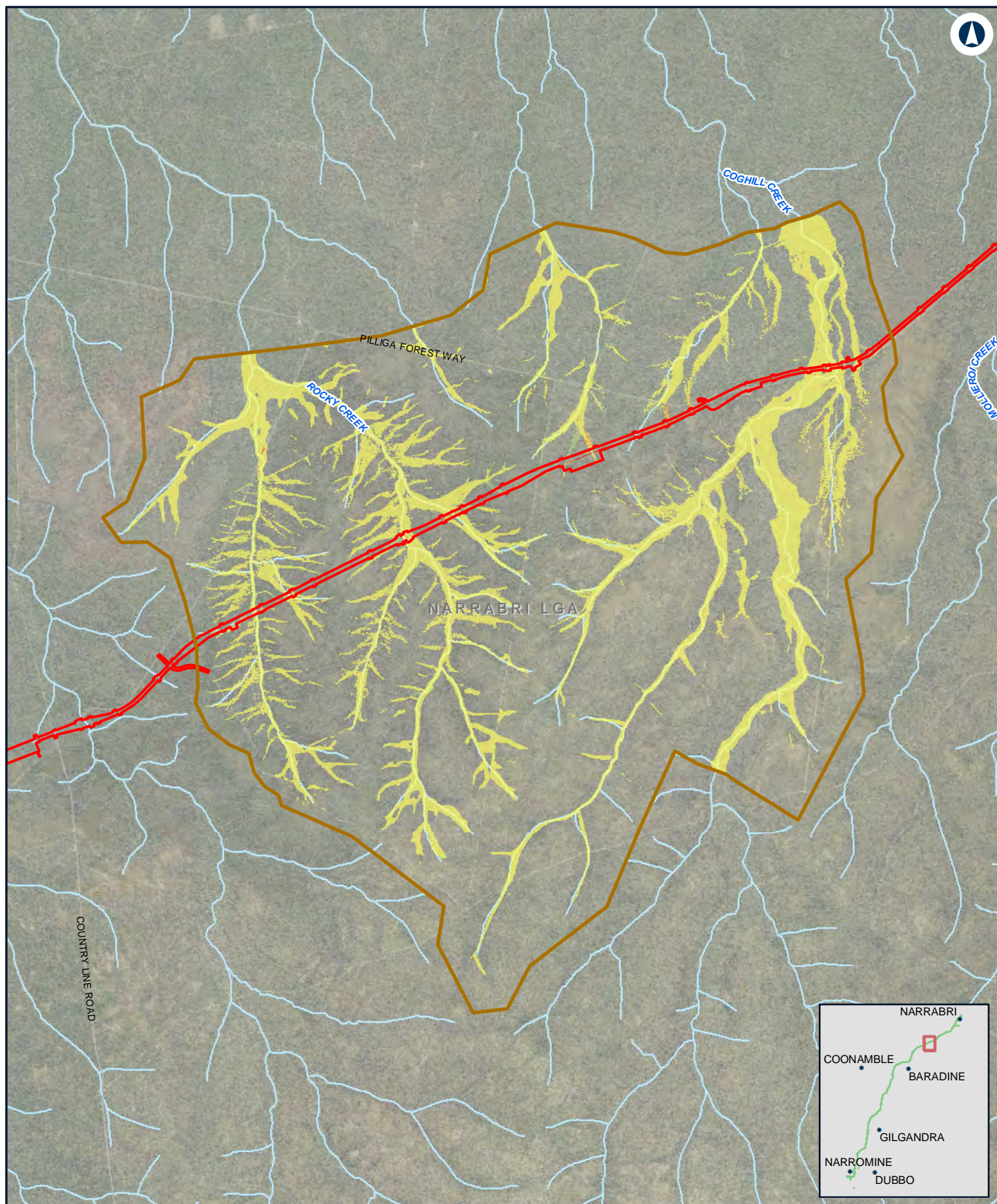


Coordinate System: GDA 1994 MGA Zone 55
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 Date: 27/10/2020 Paper: A4
 Author: JacobsGHD Scale: 1:70,000
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

The proposal site	Was low, now dry
Model boundary	Was high, now low
Hazard Change	
Was dry, now high	Was high, now dry
Was low, now high	
Was dry, now low	
Unchanged	

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N4

Appendix G - Figure 4.8k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:80,000

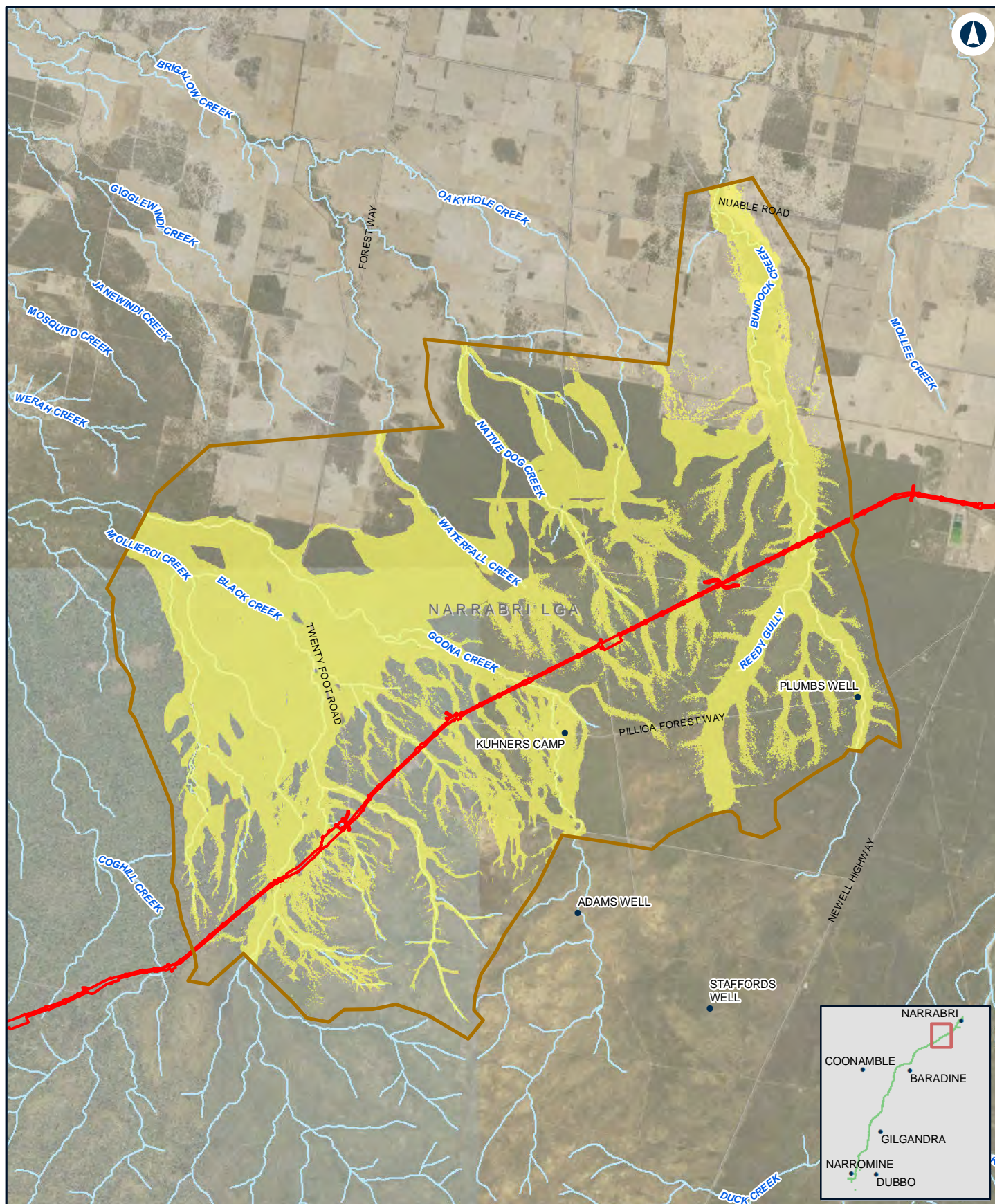
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - N2N23

Appendix G - Figure 4.8I

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

The proposal site

Model boundary

Hazard Change

Was dry, now high

Was low, now high

Was dry, now low

Unchanged

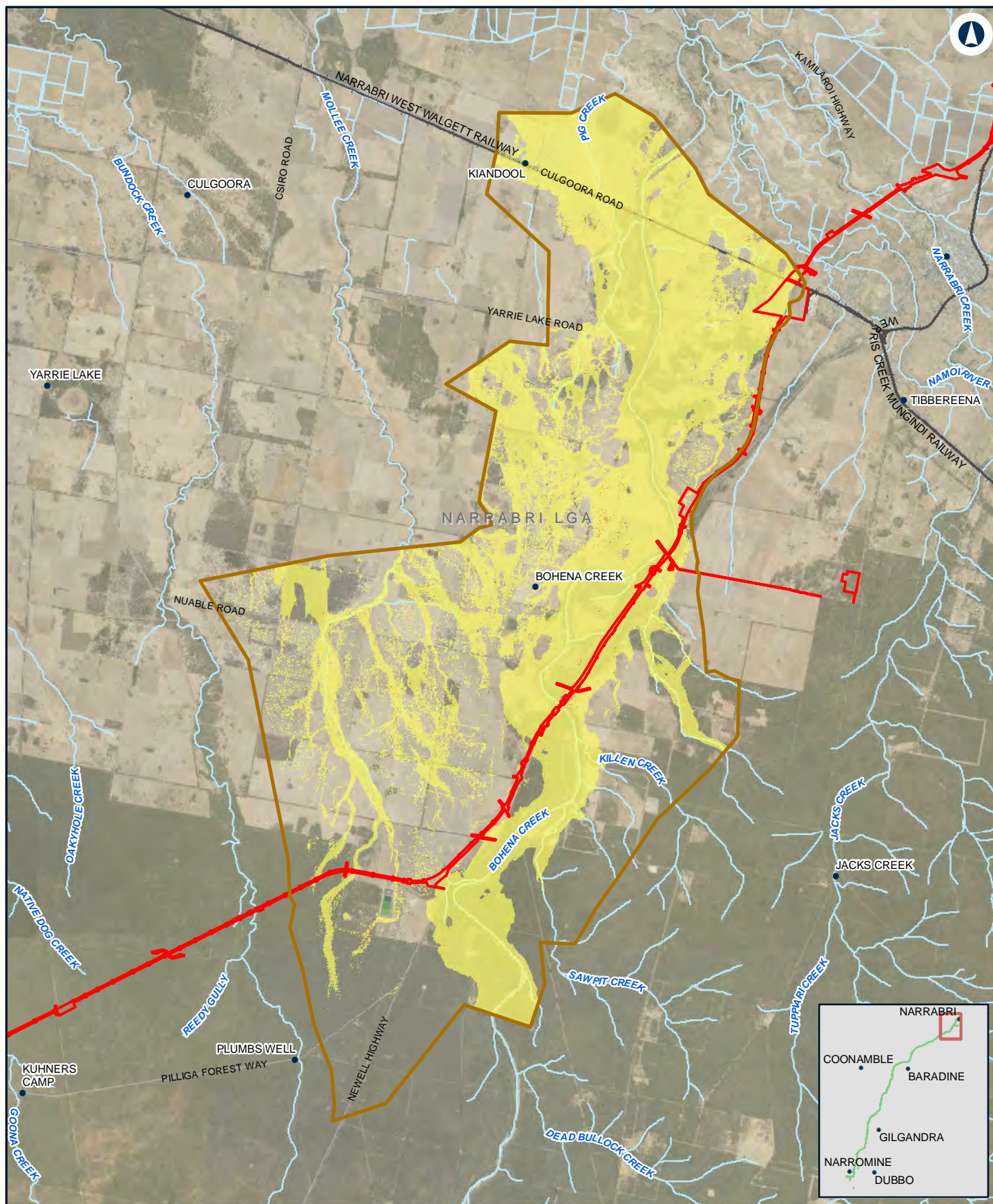
Was low, now dry

Was high, now low

Was high, now dry

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:150,000

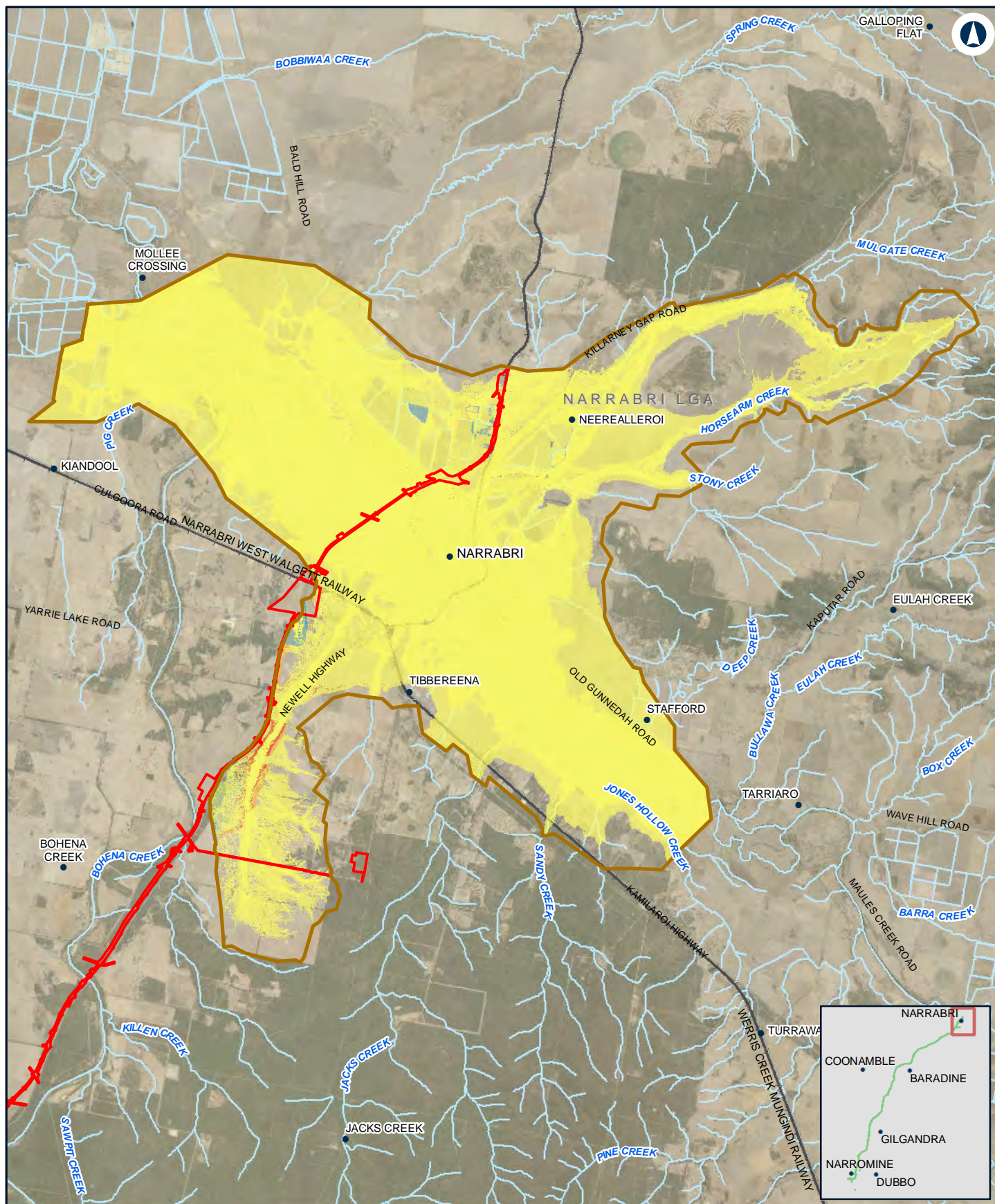
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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NARROMINE TO NARRABRI

Change in flood hazard - PMF - Narrabri

Appendix G - Figure 4.8n

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 27/10/2020 Paper: A4
Author: JacobsGHD Scale: 1:160,000

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

LEGEND

- The proposal site
- Model boundary
- Hazard Change**
- Was dry, now high
- Was low, now high
- Was dry, now low
- Unchanged
- Was low, now dry
- Was high, now low
- Was high, now dry

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