

TECHNICAL REPORT

INLAND
RAIL 

3

Flooding and hydrology assessment

PART 6 OF 12

Appendix G

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.

TECHNICAL REPORT

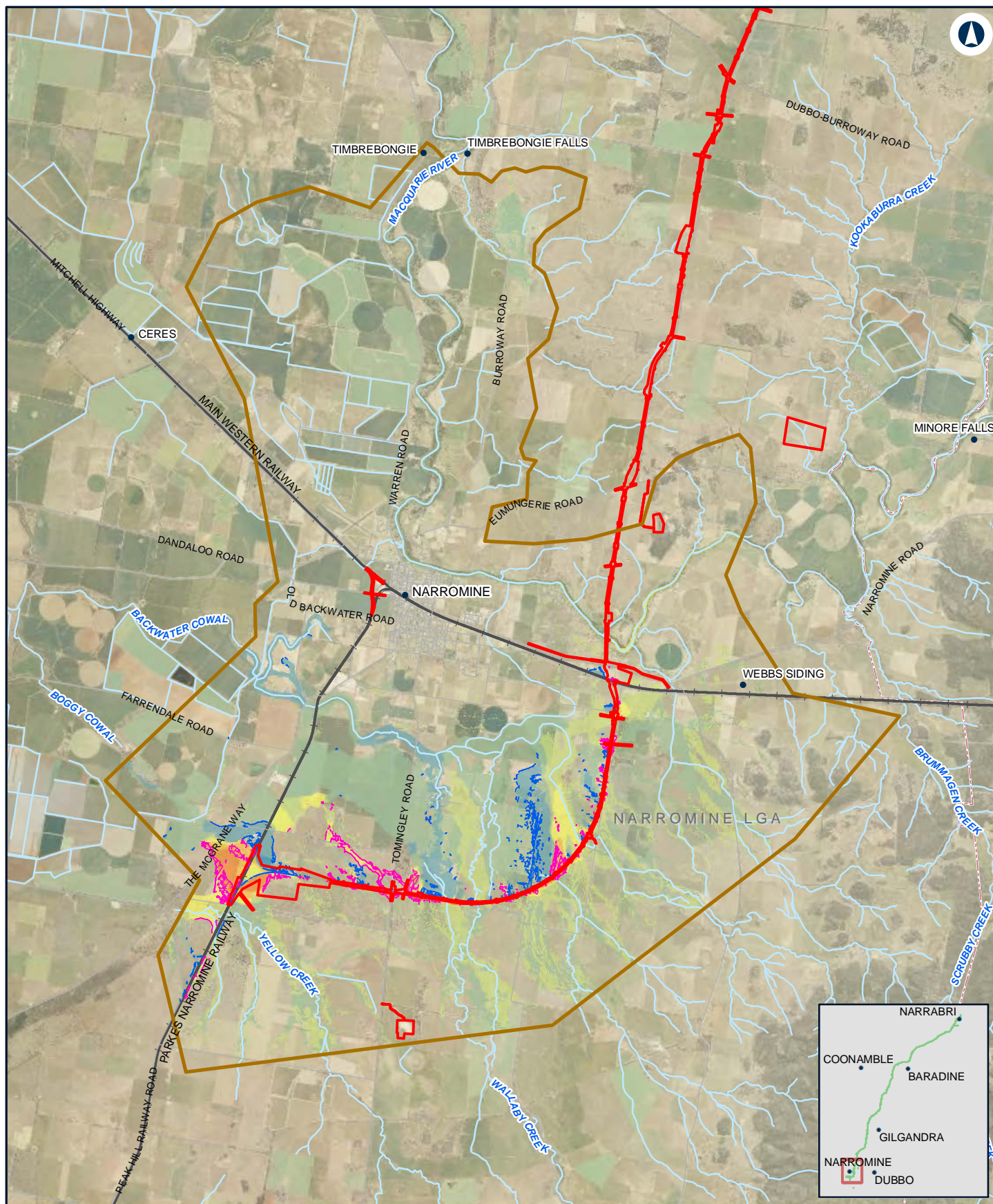
3

Flooding and hydrology assessment

Appendix G Operational flood impact mapping

NARROMINE TO NARRABRI ENVIRONMENTAL IMPACT STATEMENT





NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - NFM

Appendix G - Figure 1.1a

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.

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

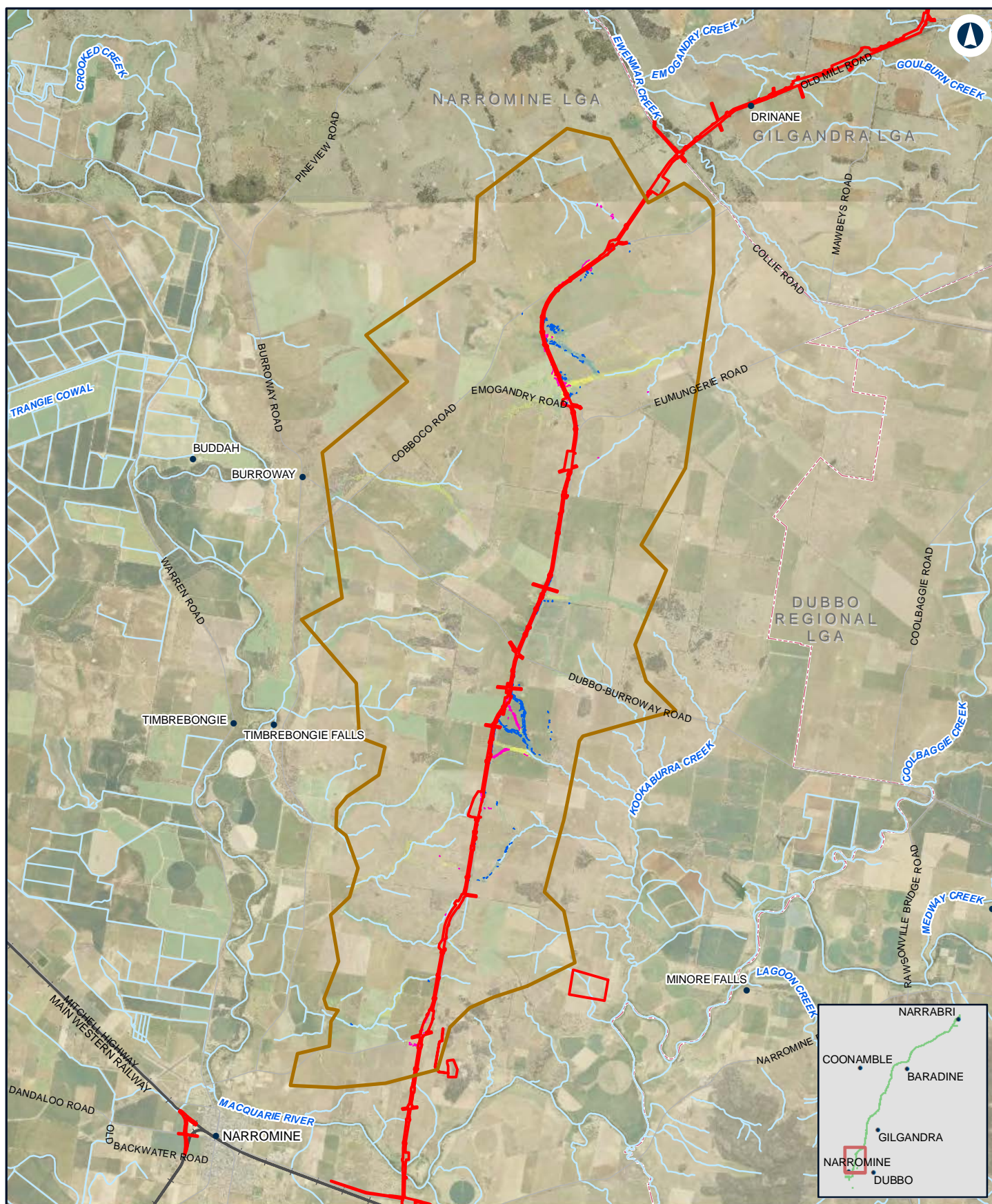
Afflux wet dry

Was dry now wet

Was wet 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 peak flood level (afflux) - 20% AEP - N2N14

Appendix G - Figure 1.1b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

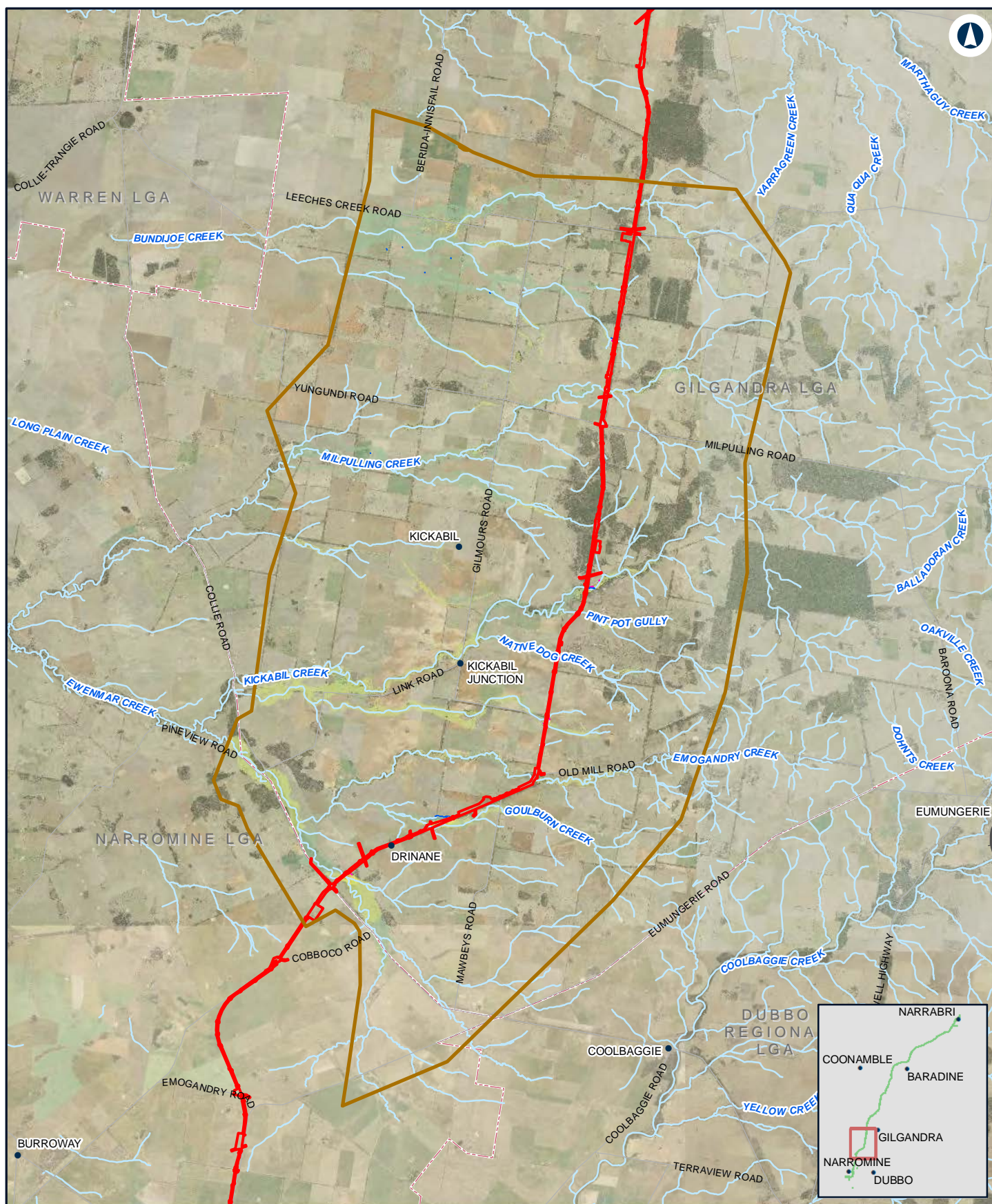
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N13

Appendix G - Figure 1.1c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:180,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

 > 0.2m decrease

 0.01 m - 0.2 m decrease

 0 m - 0.01 m decrease

 0 m - 0.01 m increase

 0.01 m - 0.05 m increase

 0.05 m - 0.1 m increase

 0.1 m - 0.2 m increase

 0.2 m - 0.5 m increase

 > 0.5 m increase

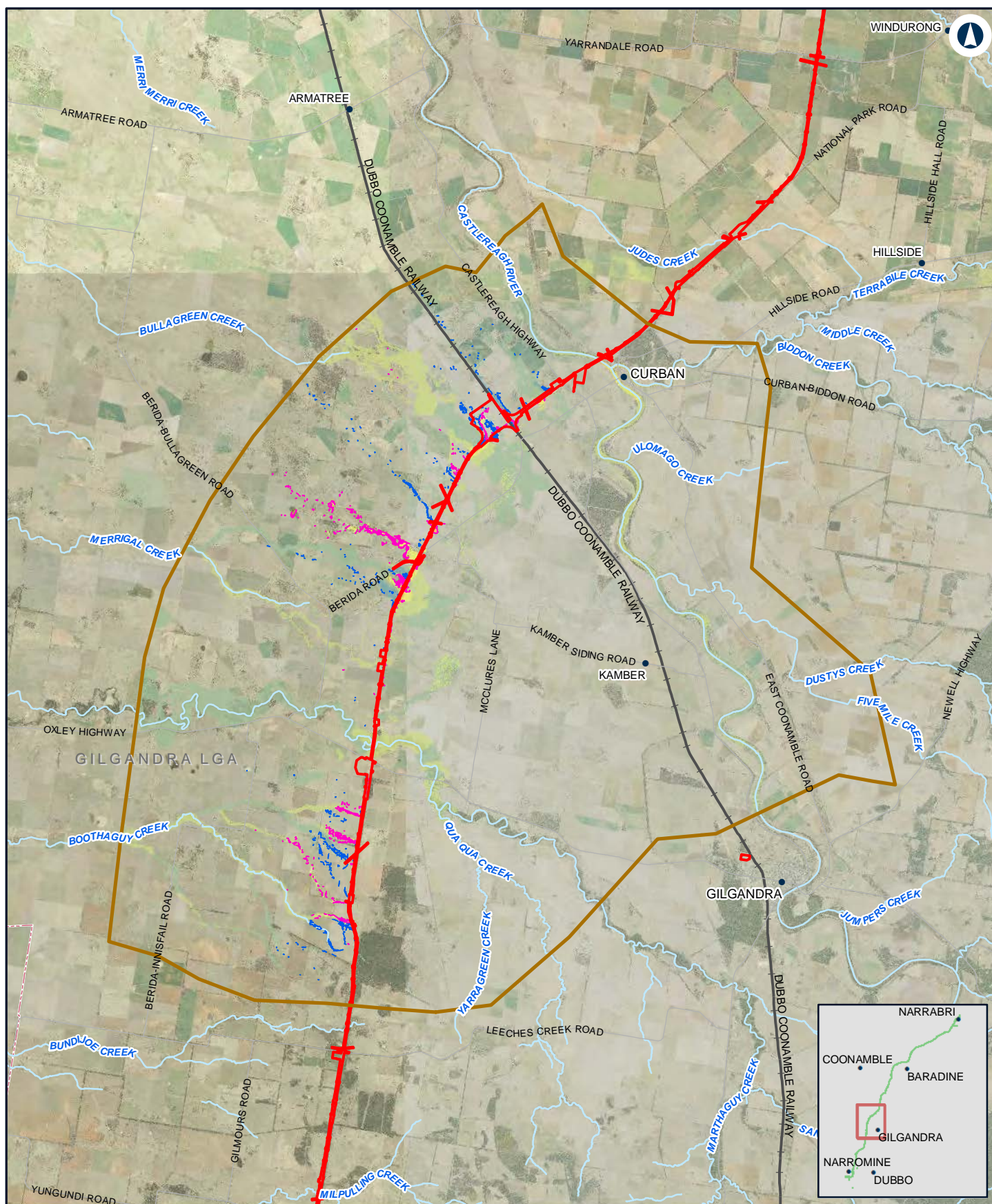
Afflux wet dry

 Was dry now wet

 Was wet now dry

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0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

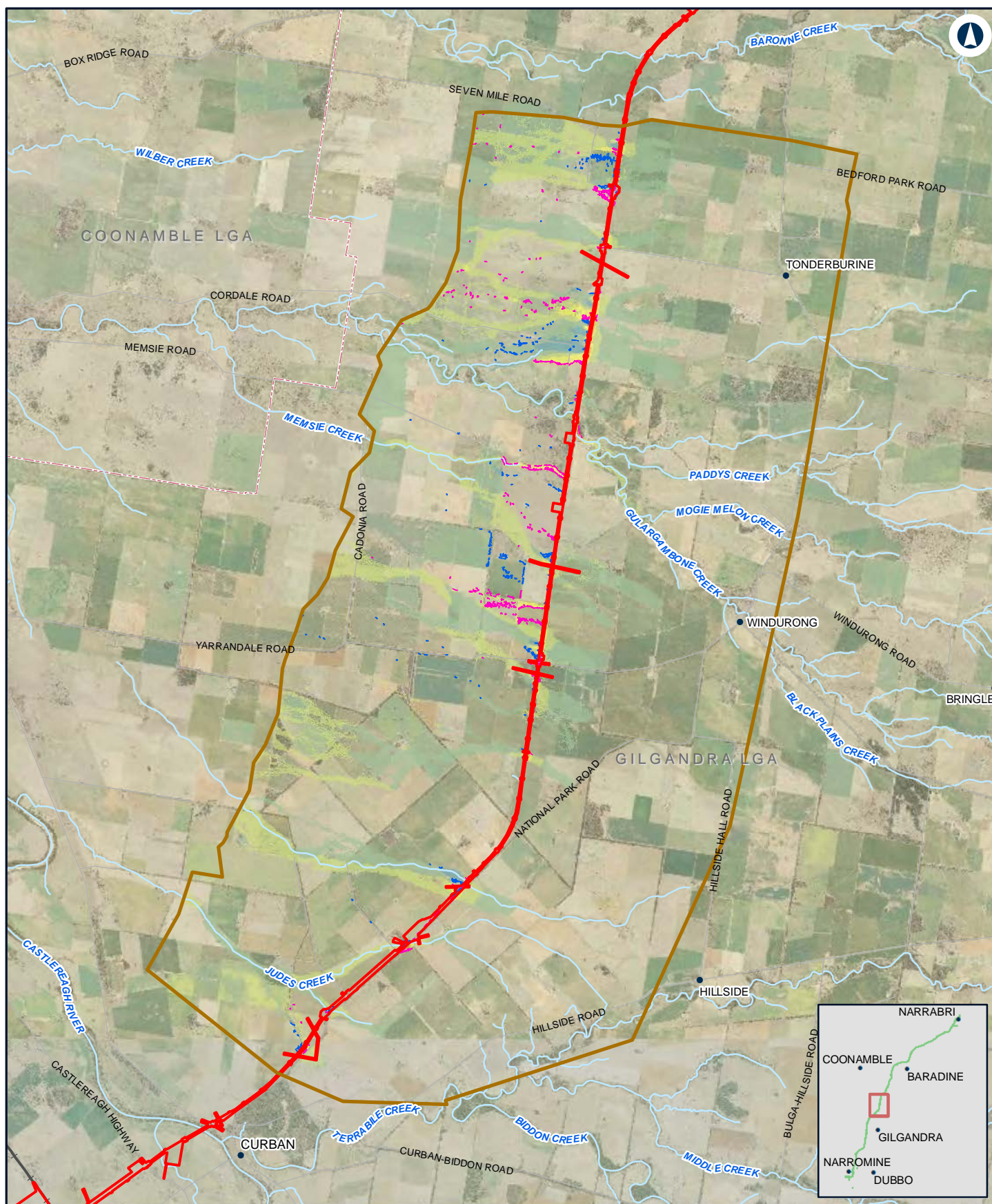
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N10

Appendix G - Figure 1.1e

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:130,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

 > 0.2m decrease

 0.01 m - 0.2 m decrease

 0 m - 0.01 m decrease

 0 m - 0.01 m increase

 0.01 m - 0.05 m increase

 0.05 m - 0.1 m increase

 0.1 m - 0.2 m increase

 0.2 m - 0.5 m increase

 > 0.5 m increase

Afflux wet dry

 Was dry now wet

 Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N9

Appendix G - Figure 1.1f

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:110,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

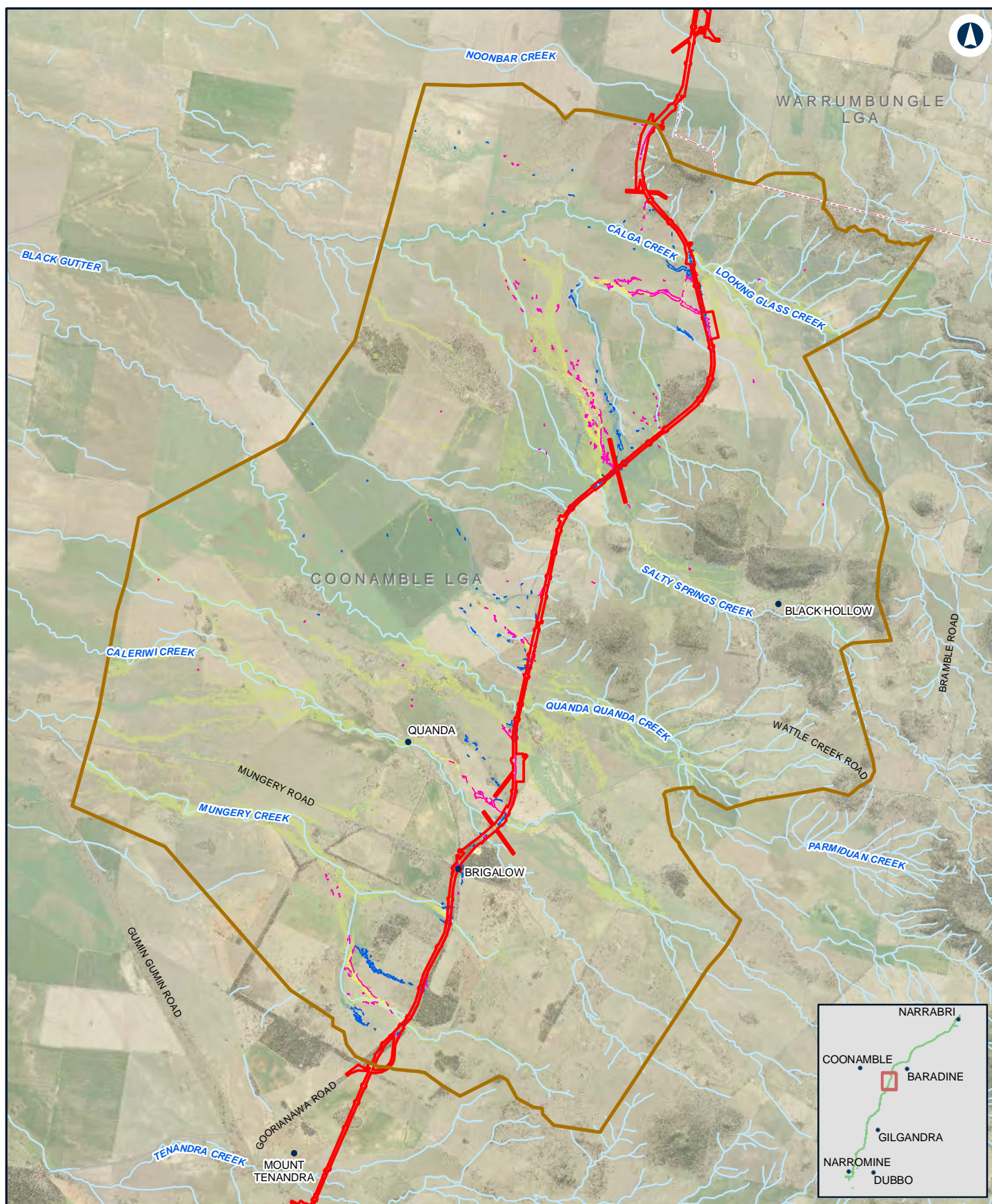
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N8

Appendix G - Figure 1.1g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:100,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

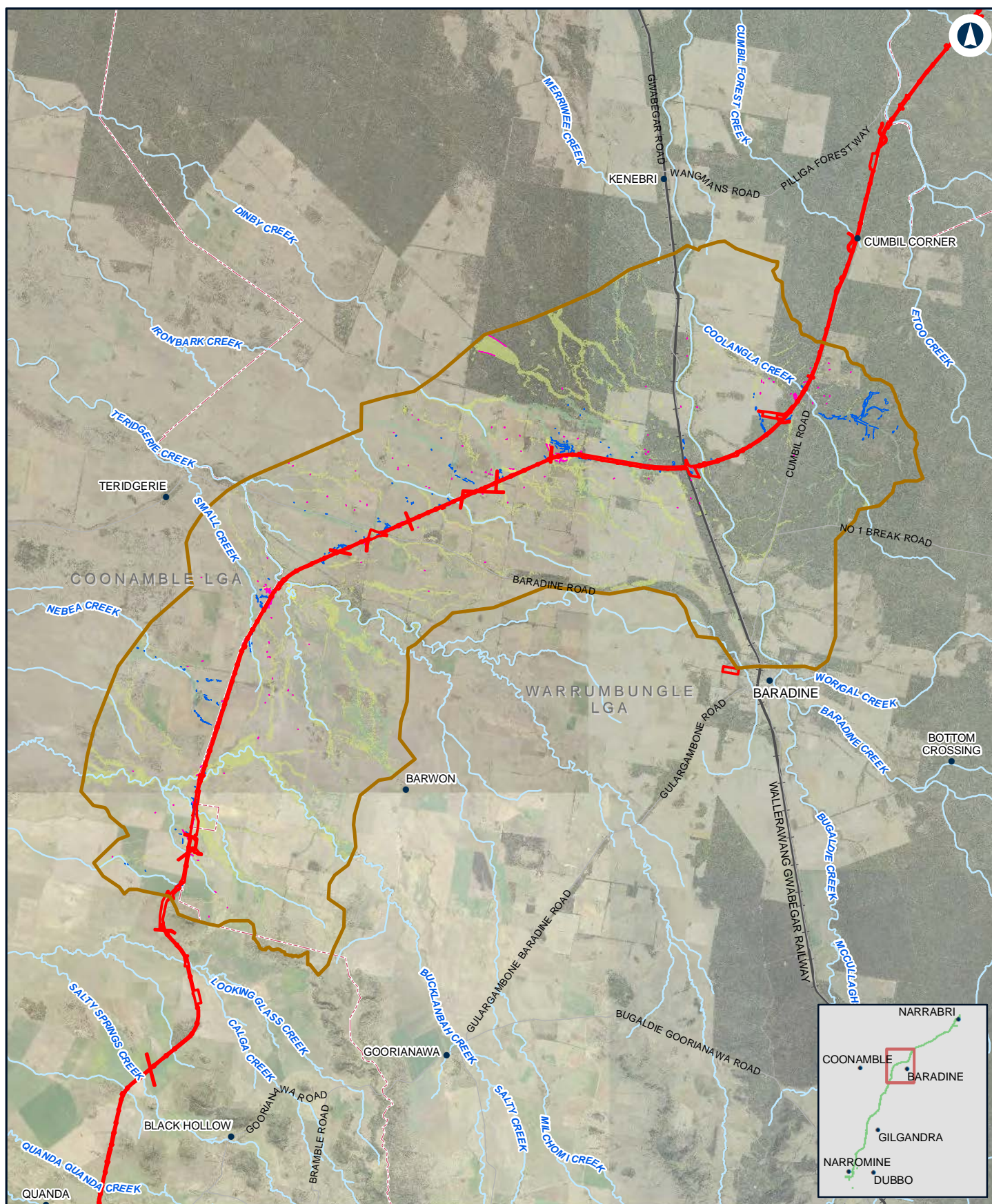
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N7

Appendix G - Figure 1.1h

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

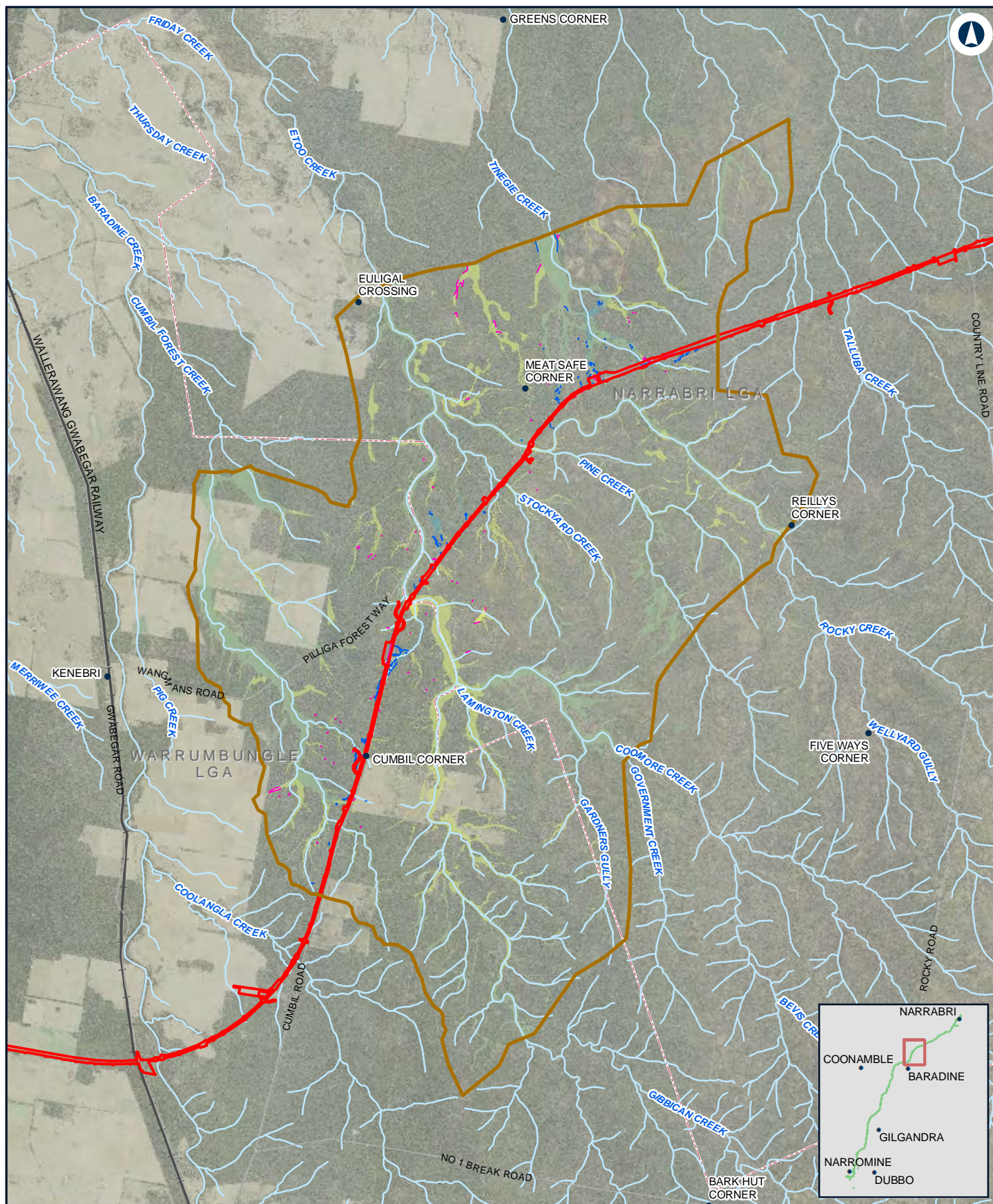
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N6

Appendix G - Figure 1.1i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

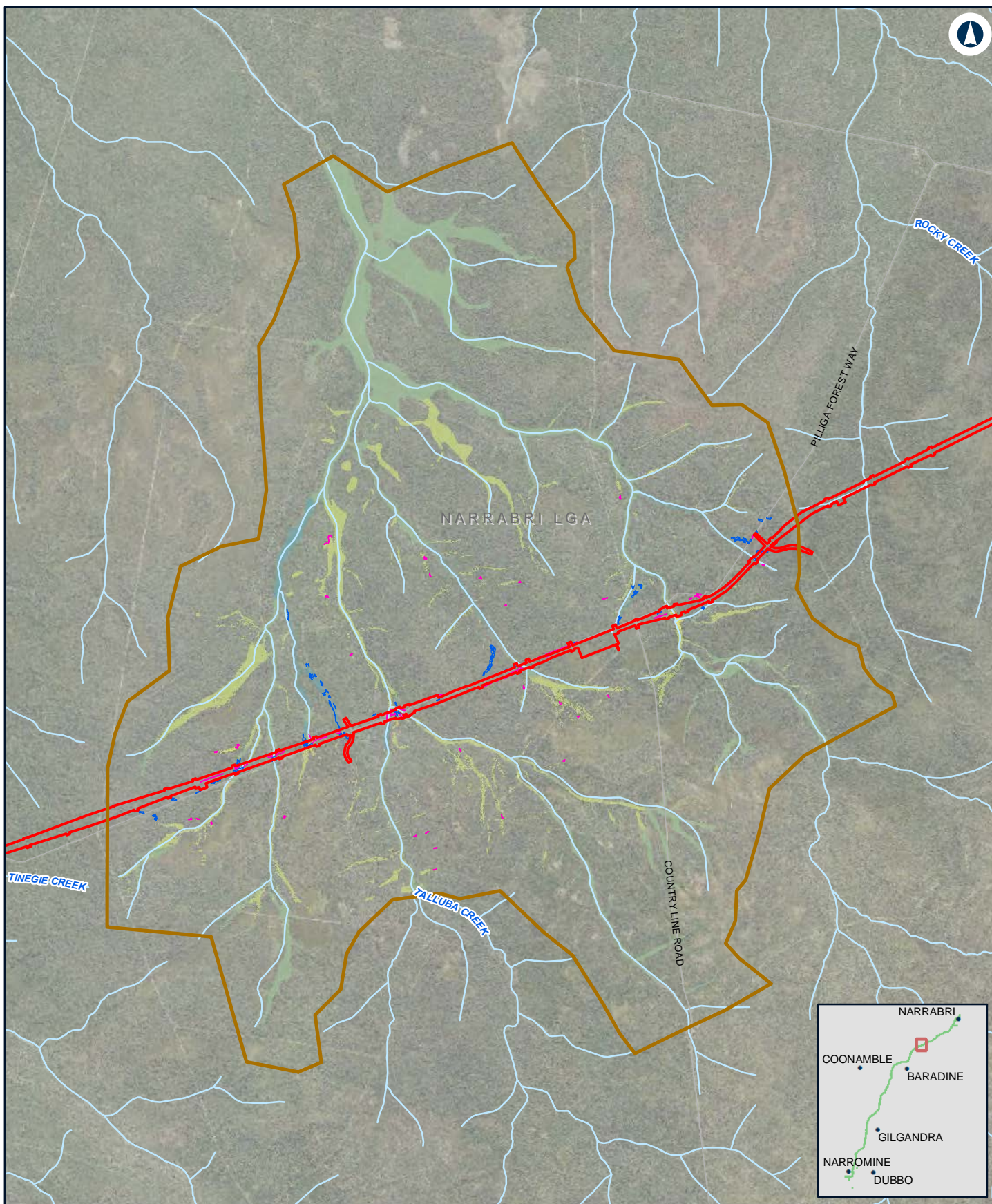
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N5

Appendix G - Figure 1.1j

0 1 2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:70,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

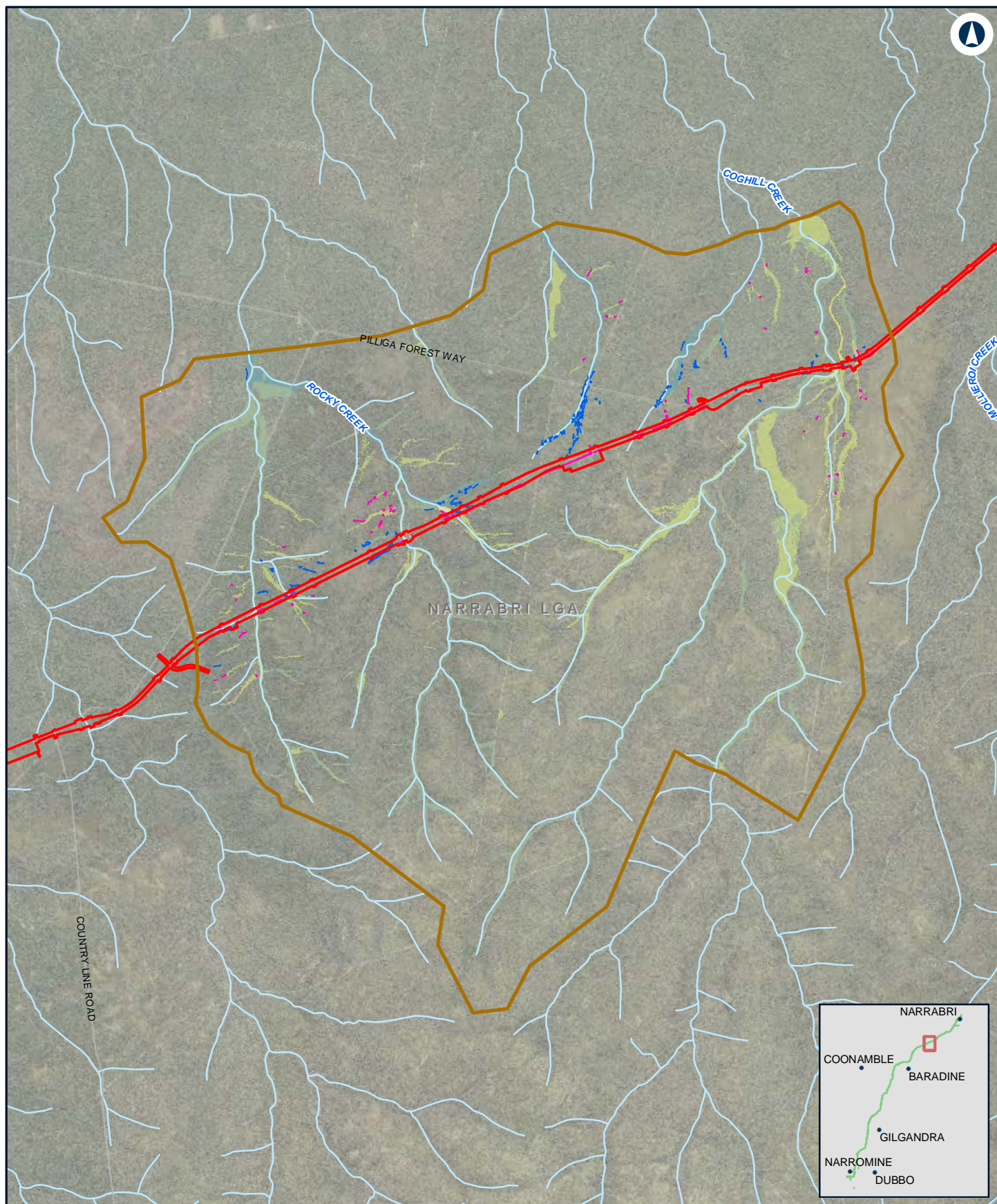
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N4

Appendix G - Figure 1.1k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:80,000

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

LEGEND

- The proposal site
- Model boundary

Afflux

- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase

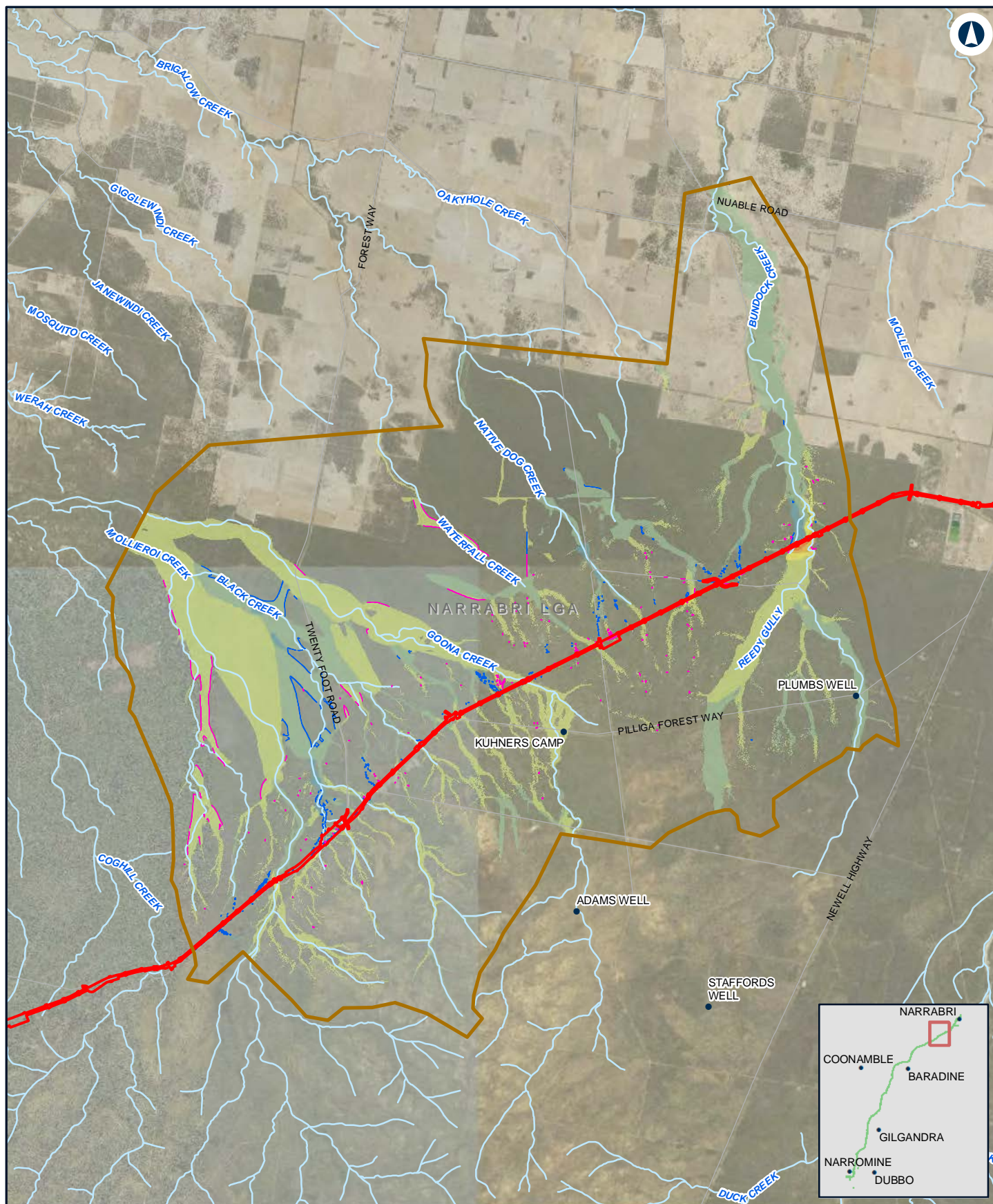
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase

Afflux wet dry

- Was dry now wet
- Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 20% AEP - N2N23

Appendix G - Figure 1.11

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

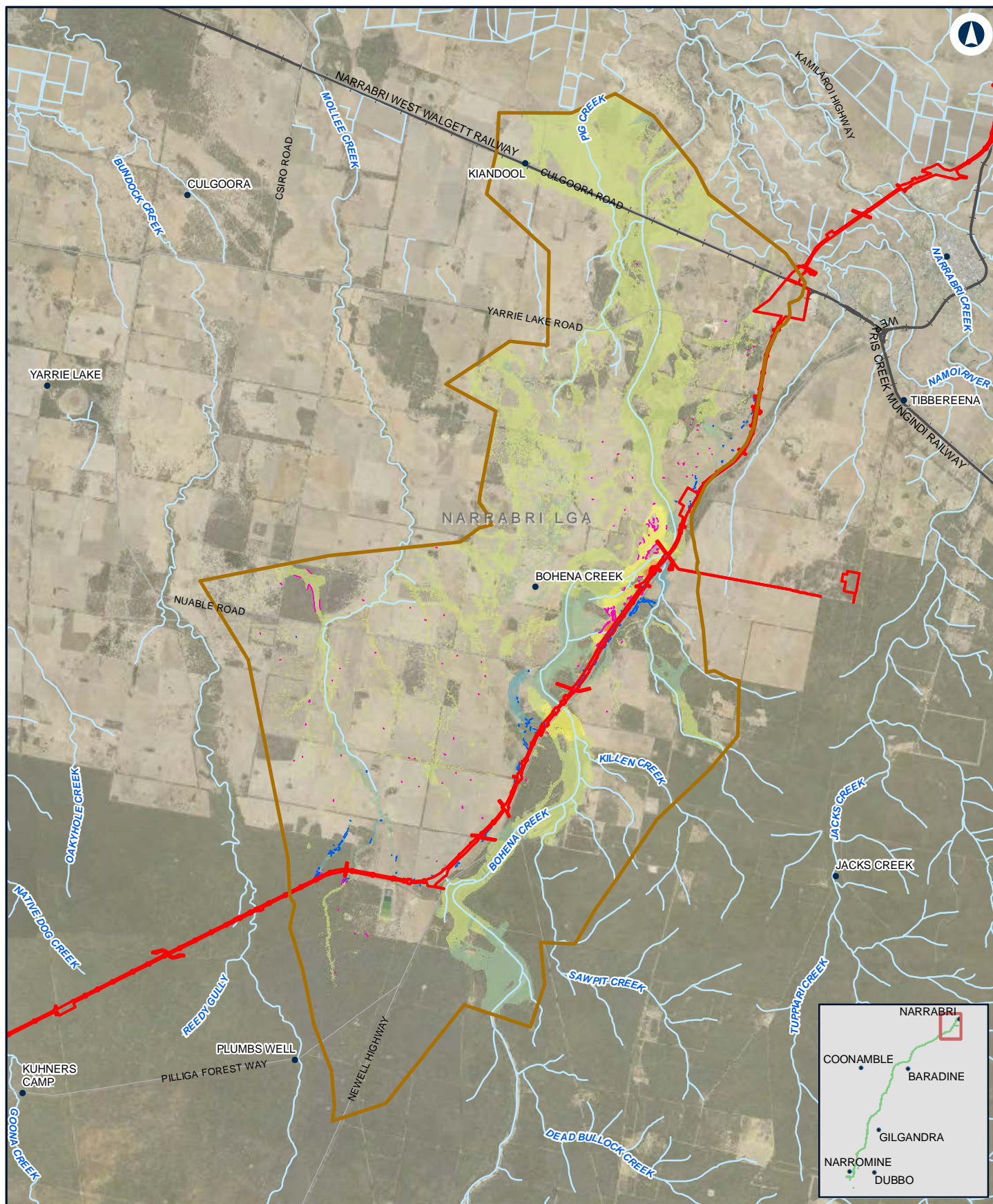
Afflux wet dry

Was dry now wet

Was wet now dry

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

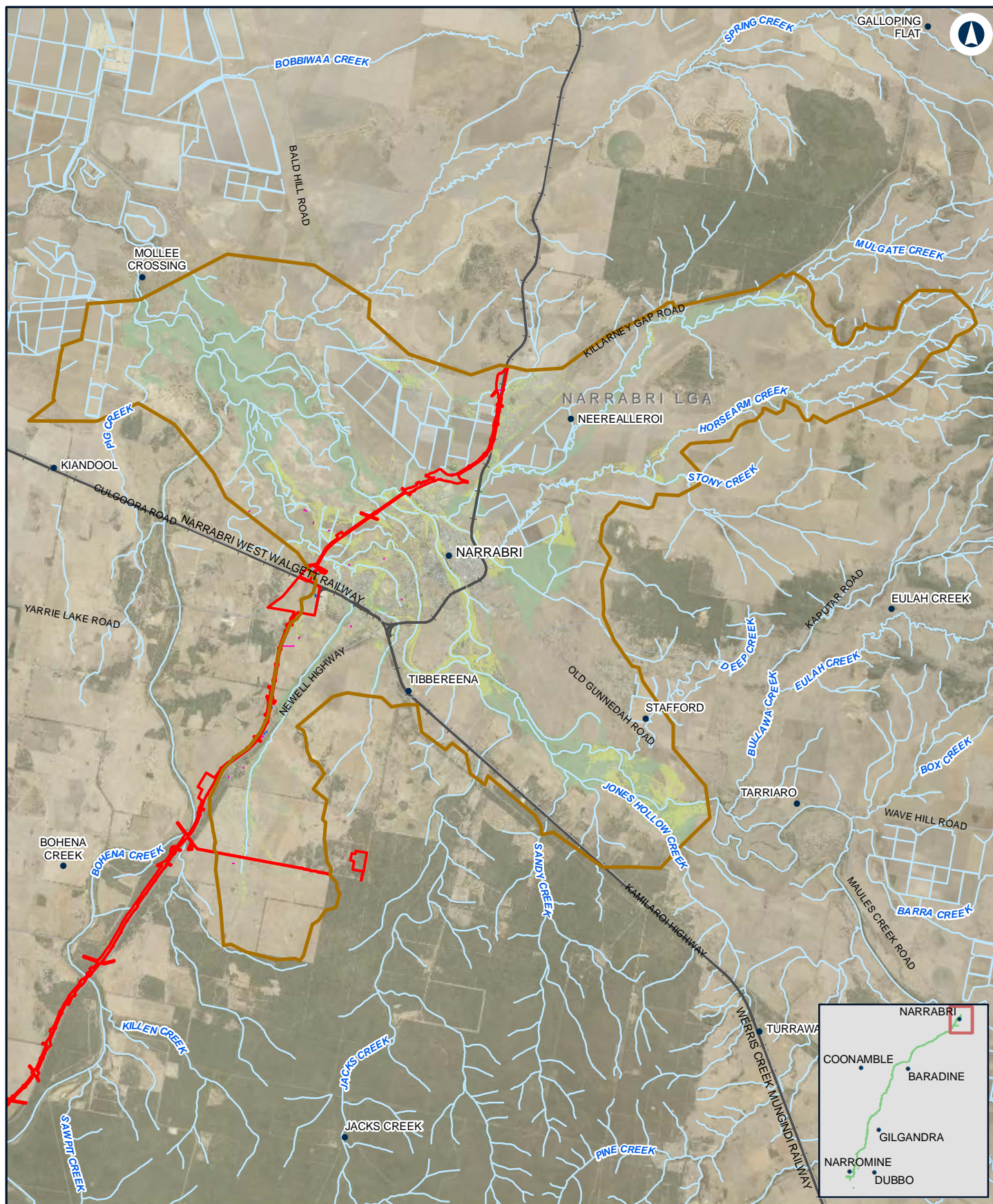
Afflux wet dry

Was dry now wet

Was wet now dry

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

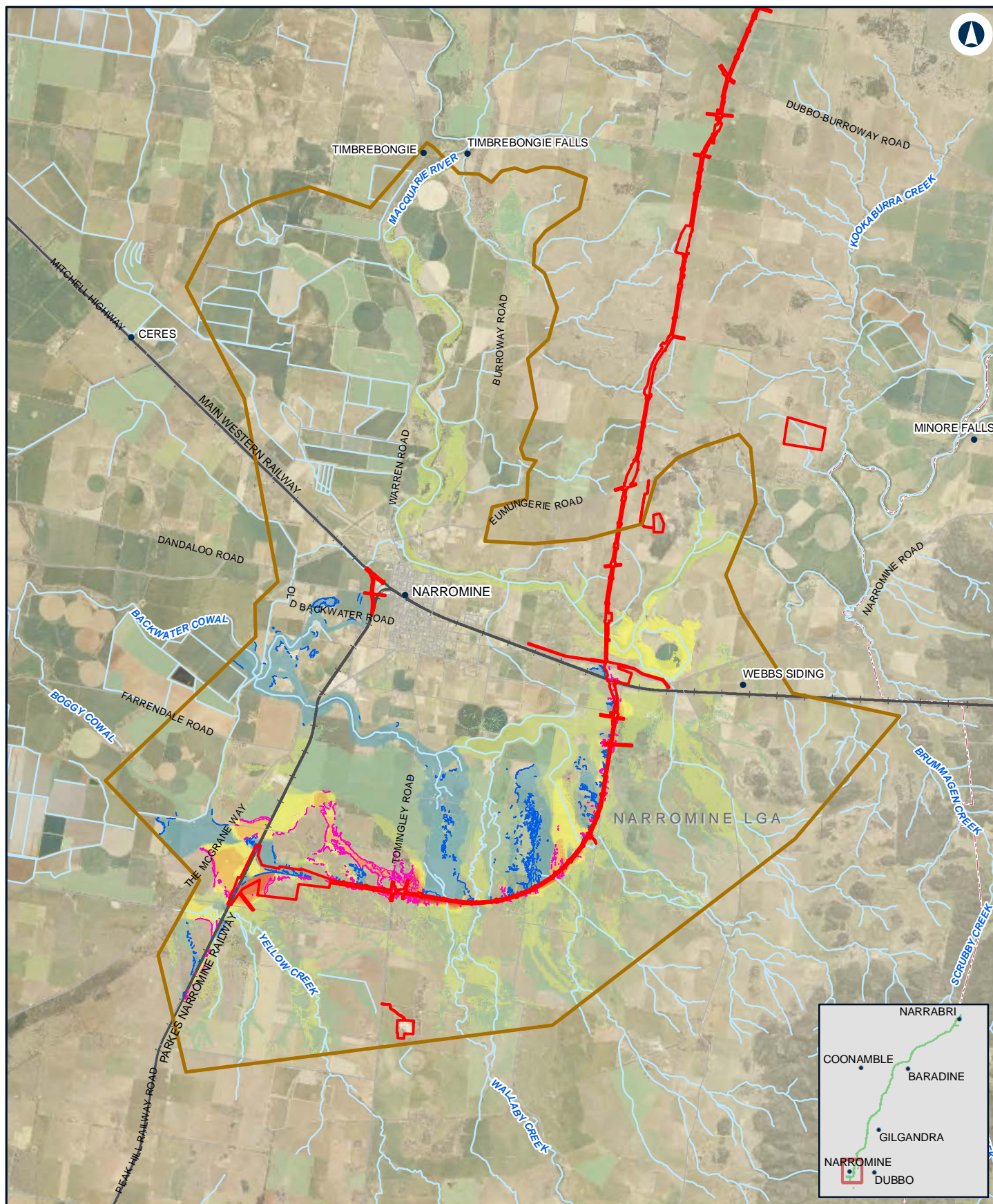
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - NFM

Appendix G - Figure 1.2a

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

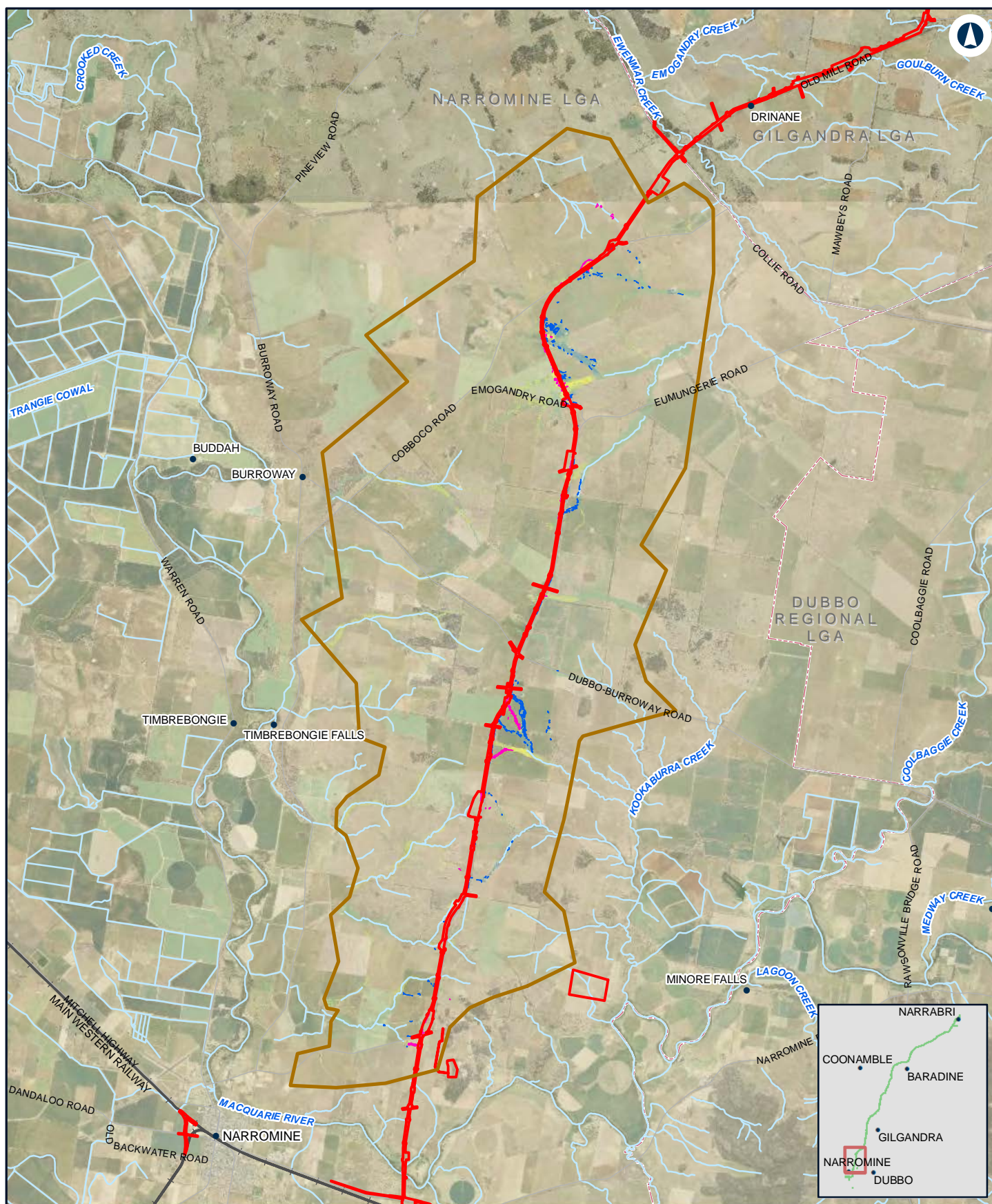
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N14

Appendix G - Figure 1.2b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020 Paper: A4
Author: JacobsGHD Scale: 1:150,000

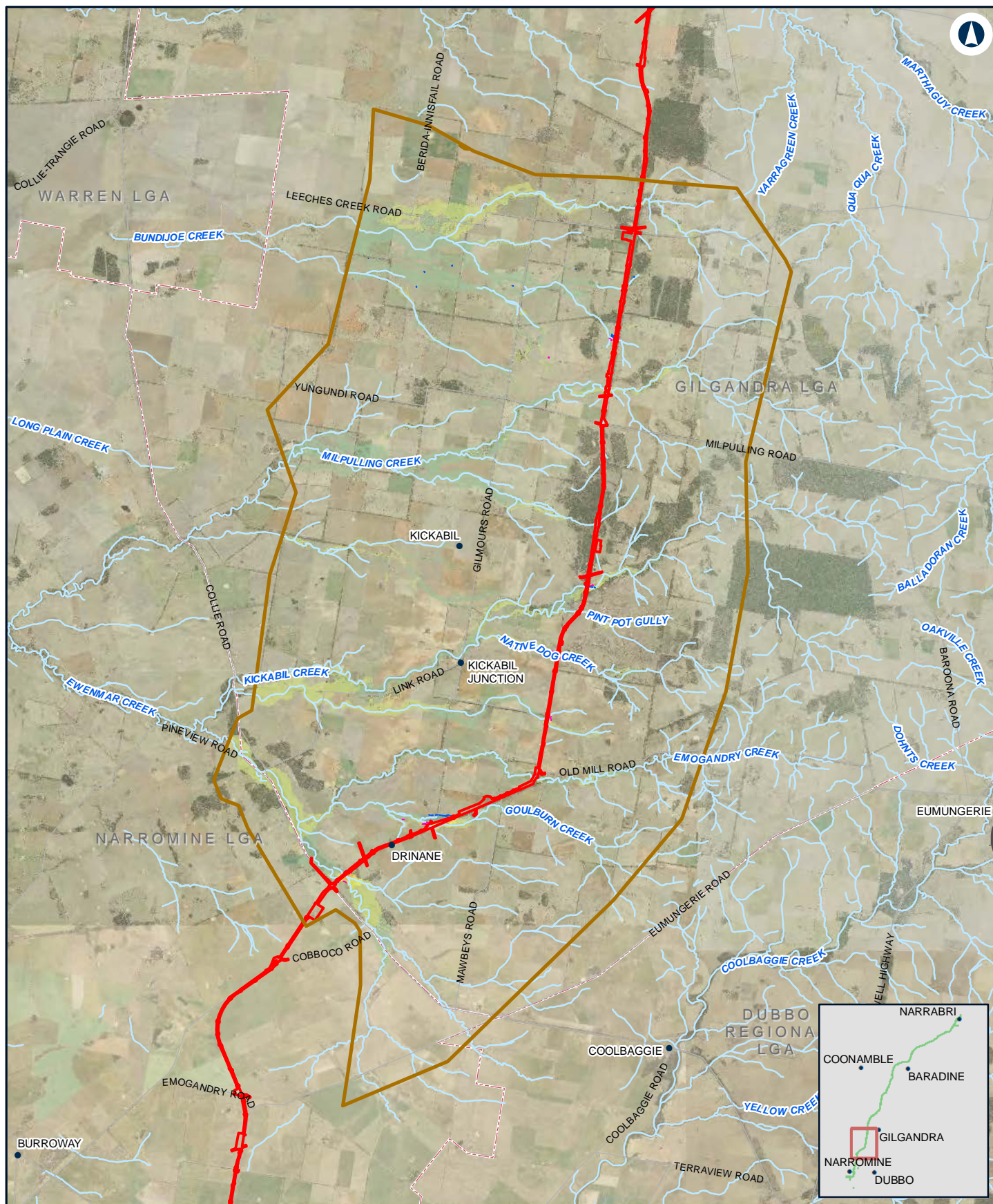
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

 The proposal site	 0.05 m - 0.1 m increase
 Model boundary	 0.1 m - 0.2 m increase
Afflux	 0.2 m - 0.5 m increase
 > 0.2m decrease	 > 0.5 m increase
 0.01 m - 0.2 m decrease	Afflux wet dry
 0 m - 0.01 m decrease	 Was dry now wet
 0 m - 0.01 m increase	 Was wet now dry
 0.01 m - 0.05 m increase	

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N13

Appendix G - Figure 1.2c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:180,000

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

LEGEND

- The proposal site
- Model boundary

Afflux

- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase

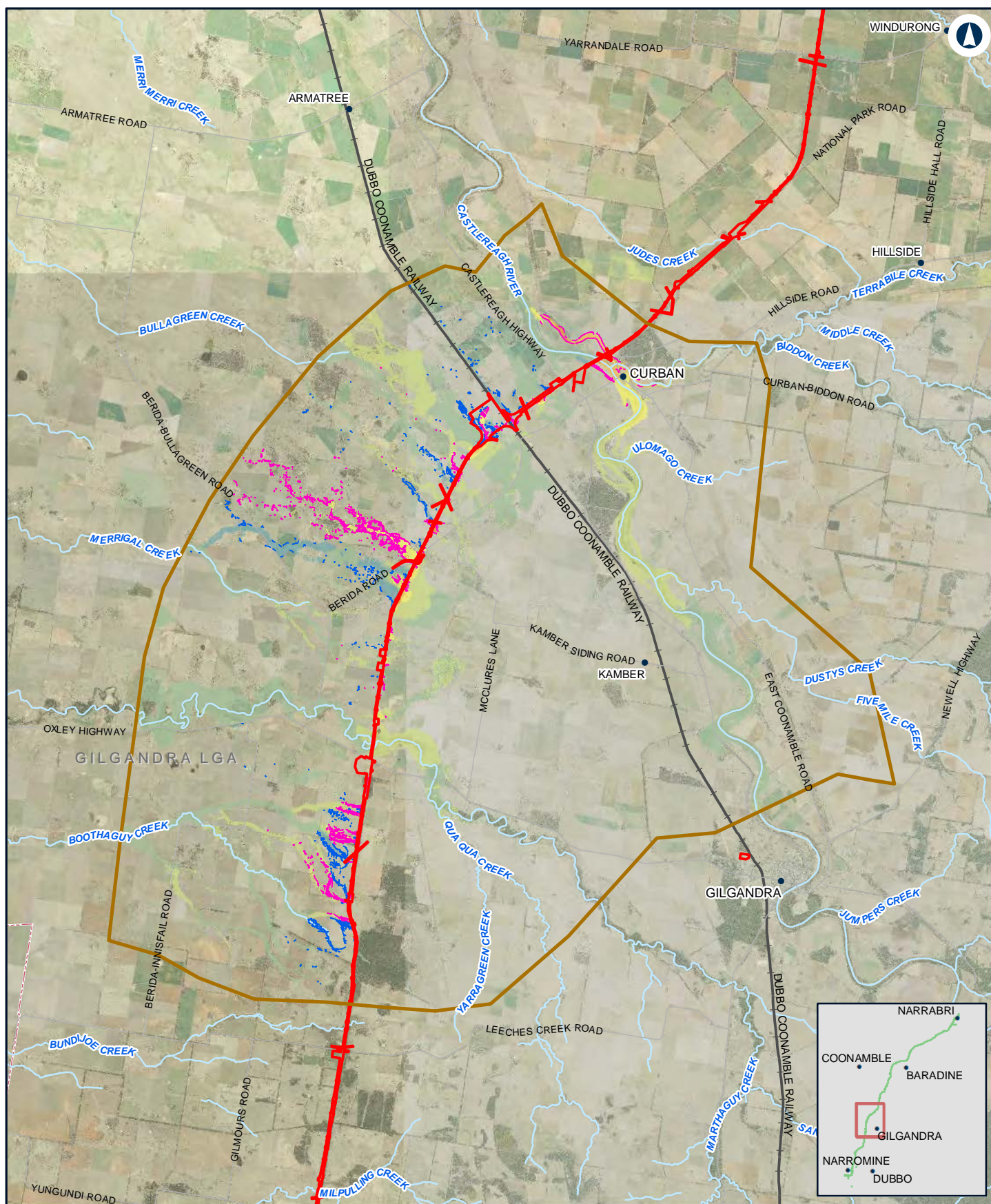
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase

Afflux wet dry

- Was dry now wet
- Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N11N12

Appendix G - Figure 1.2d

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

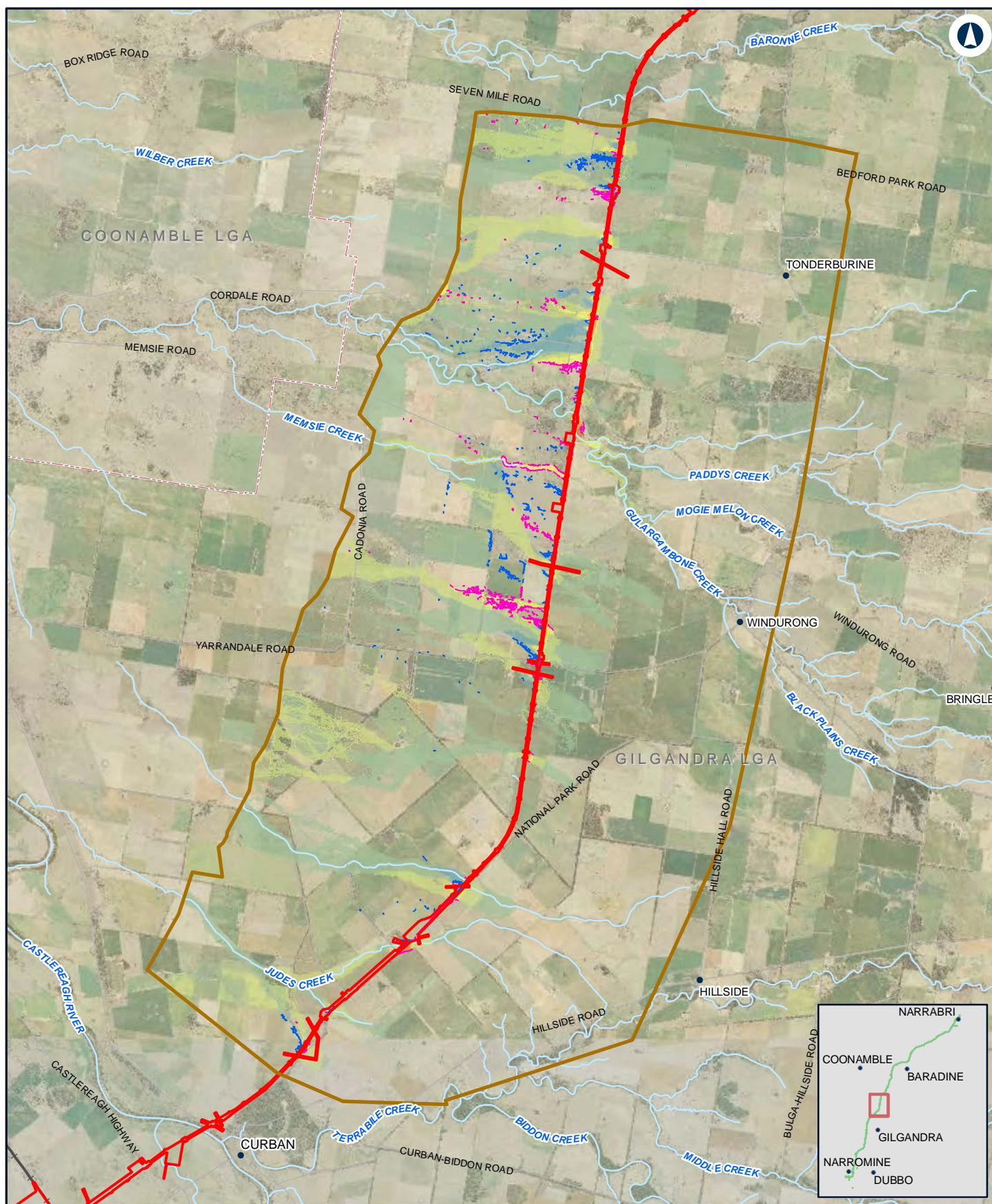
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N10

Appendix G - Figure 1.2e

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:130,000

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

LEGEND

- The proposal site
- Model boundary

Afflux

- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase

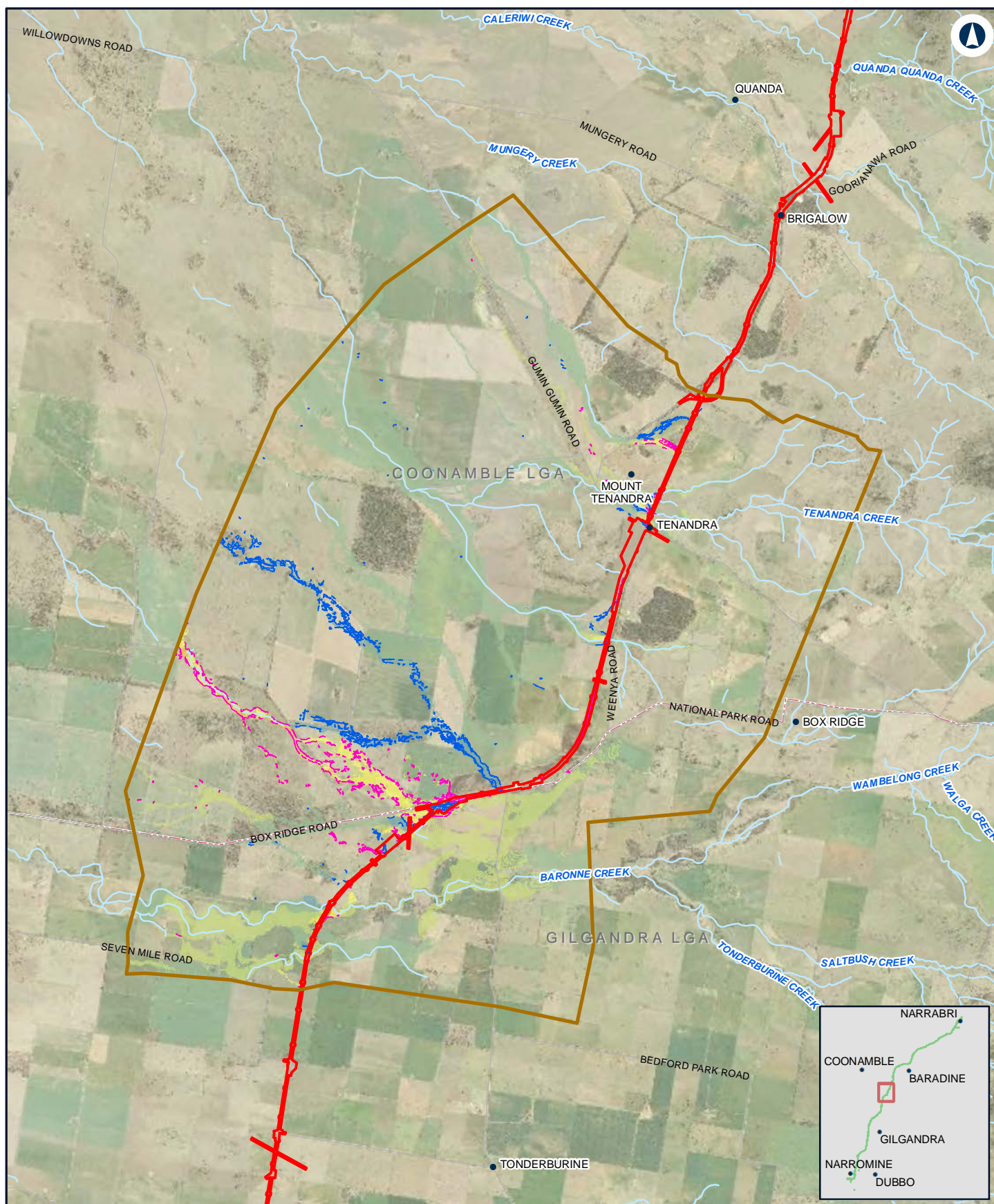
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase

Afflux wet dry

- Was dry now wet
- Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N9

Appendix G - Figure 1.2f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020 Paper: A4
Author: JacobsGHD Scale: 1:110,000

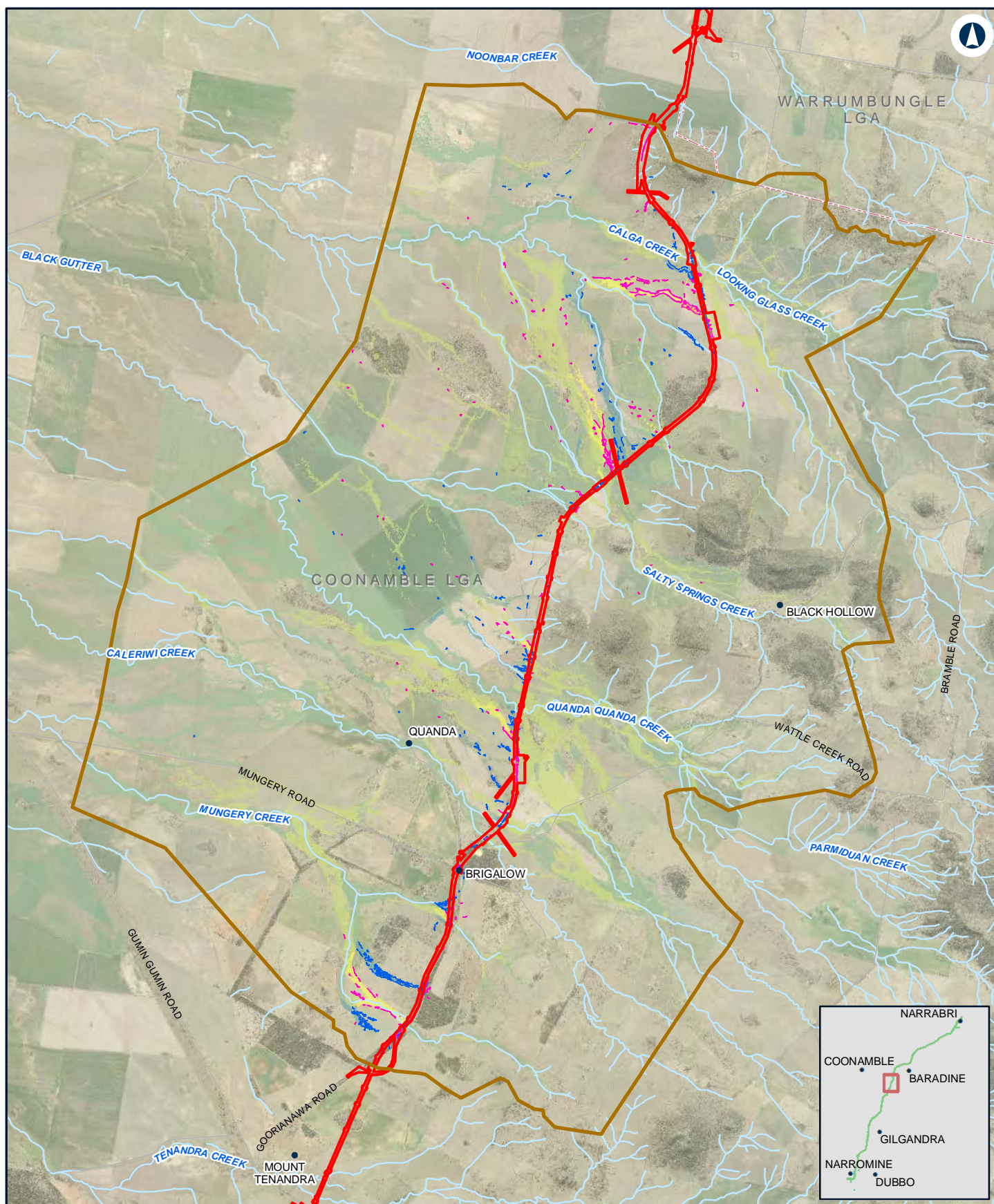
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

 The proposal site	 0.05 m - 0.1 m increase
 Model boundary	 0.1 m - 0.2 m increase
Afflux	 0.2 m - 0.5 m increase
 > 0.2m decrease	 > 0.5 m increase
 0.01 m - 0.2 m decrease	Afflux wet dry
 0 m - 0.01 m decrease	 Was dry now wet
 0 m - 0.01 m increase	 Was wet now dry
 0.01 m - 0.05 m increase	

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N8

Appendix G - Figure 1.2g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:100,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

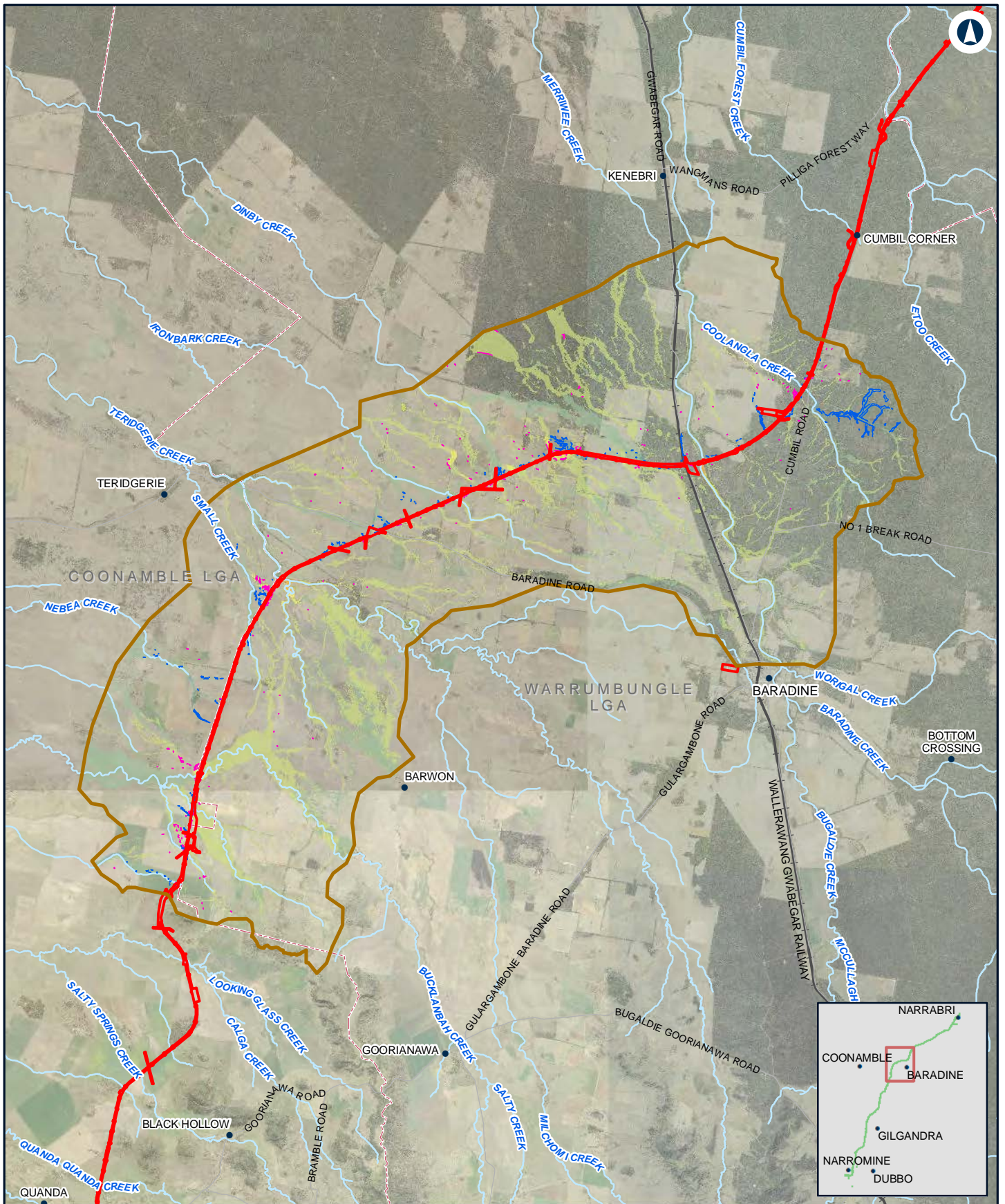
Afflux wet dry

Was dry now wet

Was wet now dry

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0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

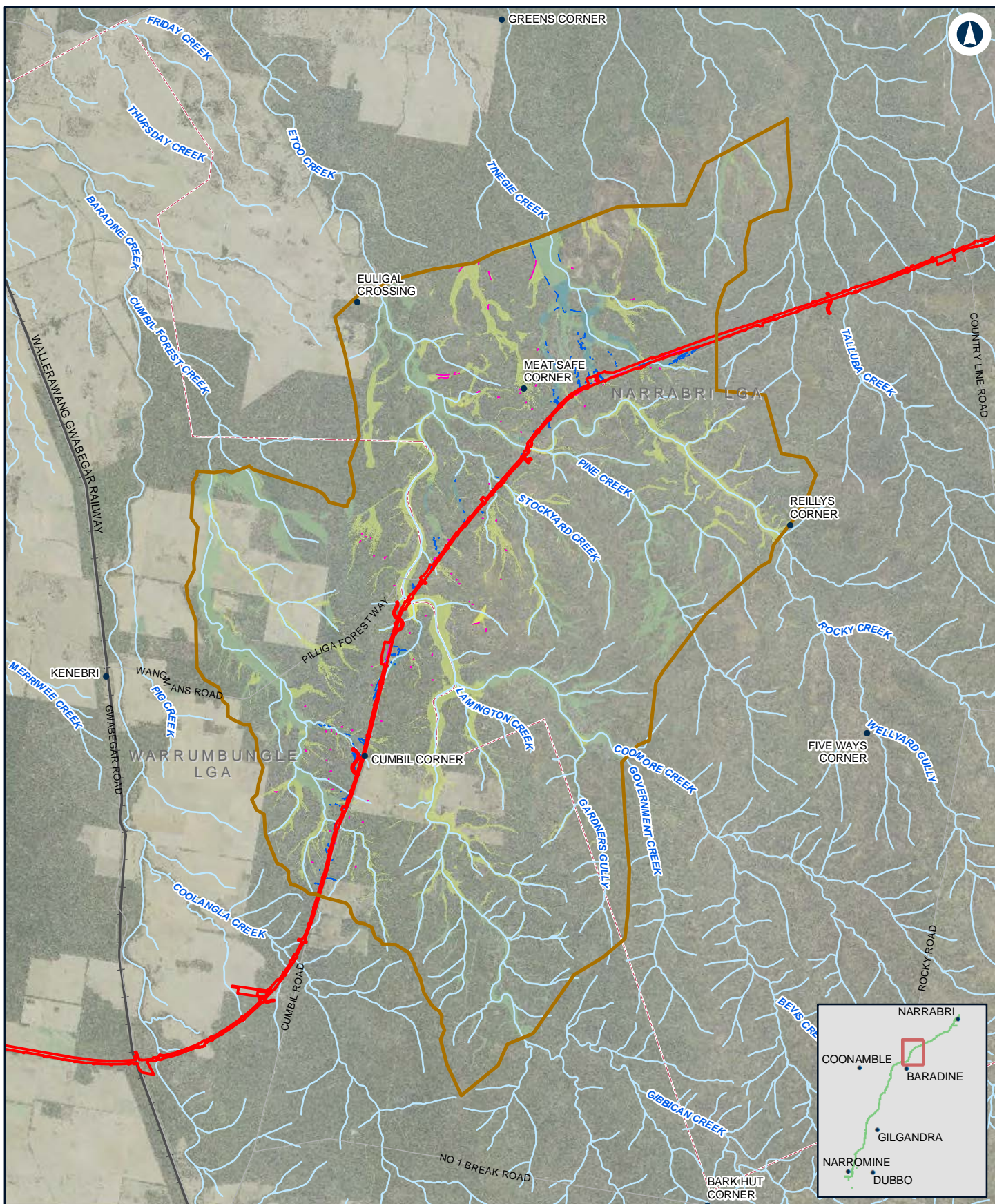
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N6

Appendix G - Figure 1.2i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

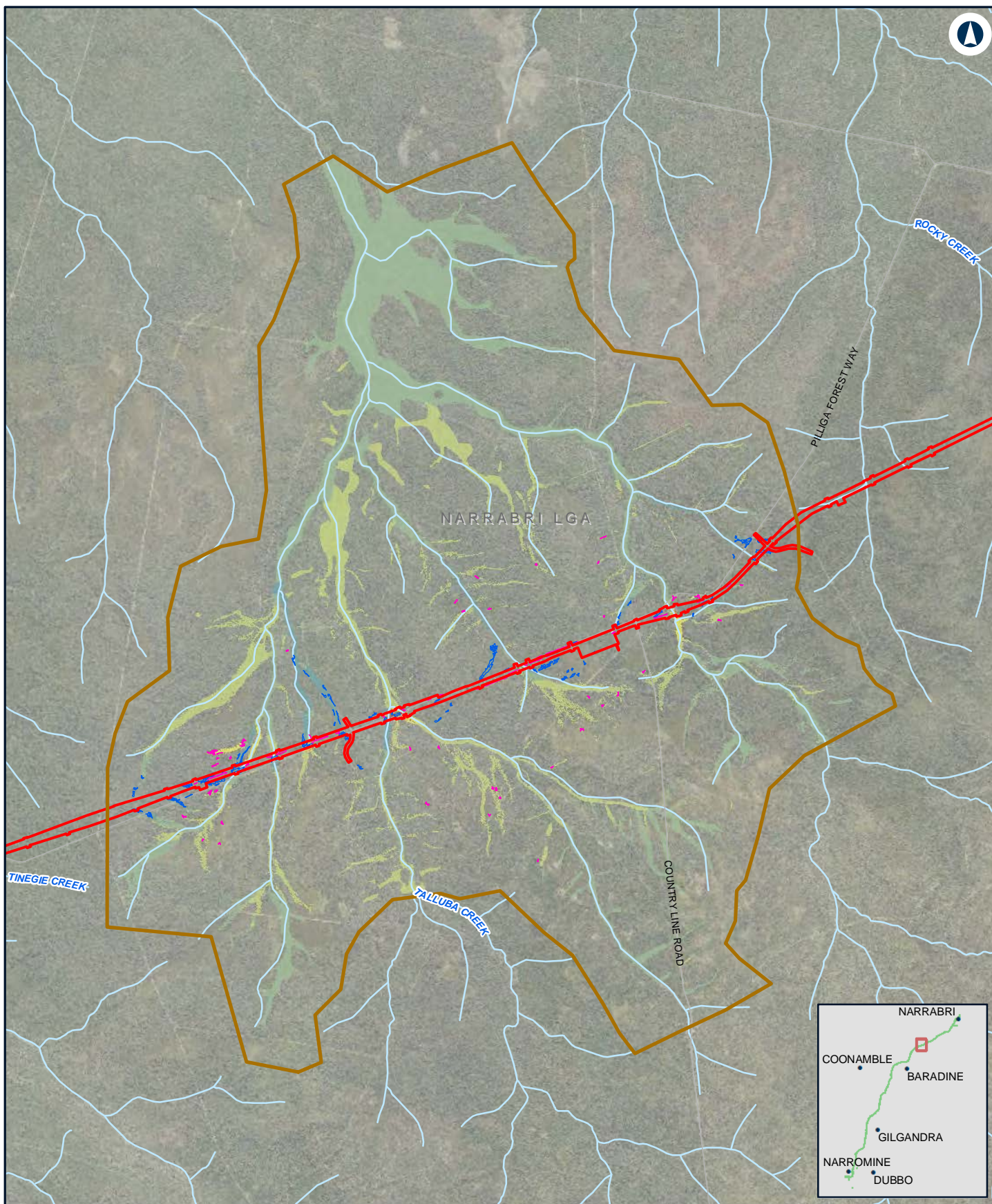
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N5

Appendix G - Figure 1.2j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:70,000

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

LEGEND

- The proposal site
- Model boundary

Afflux

- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase

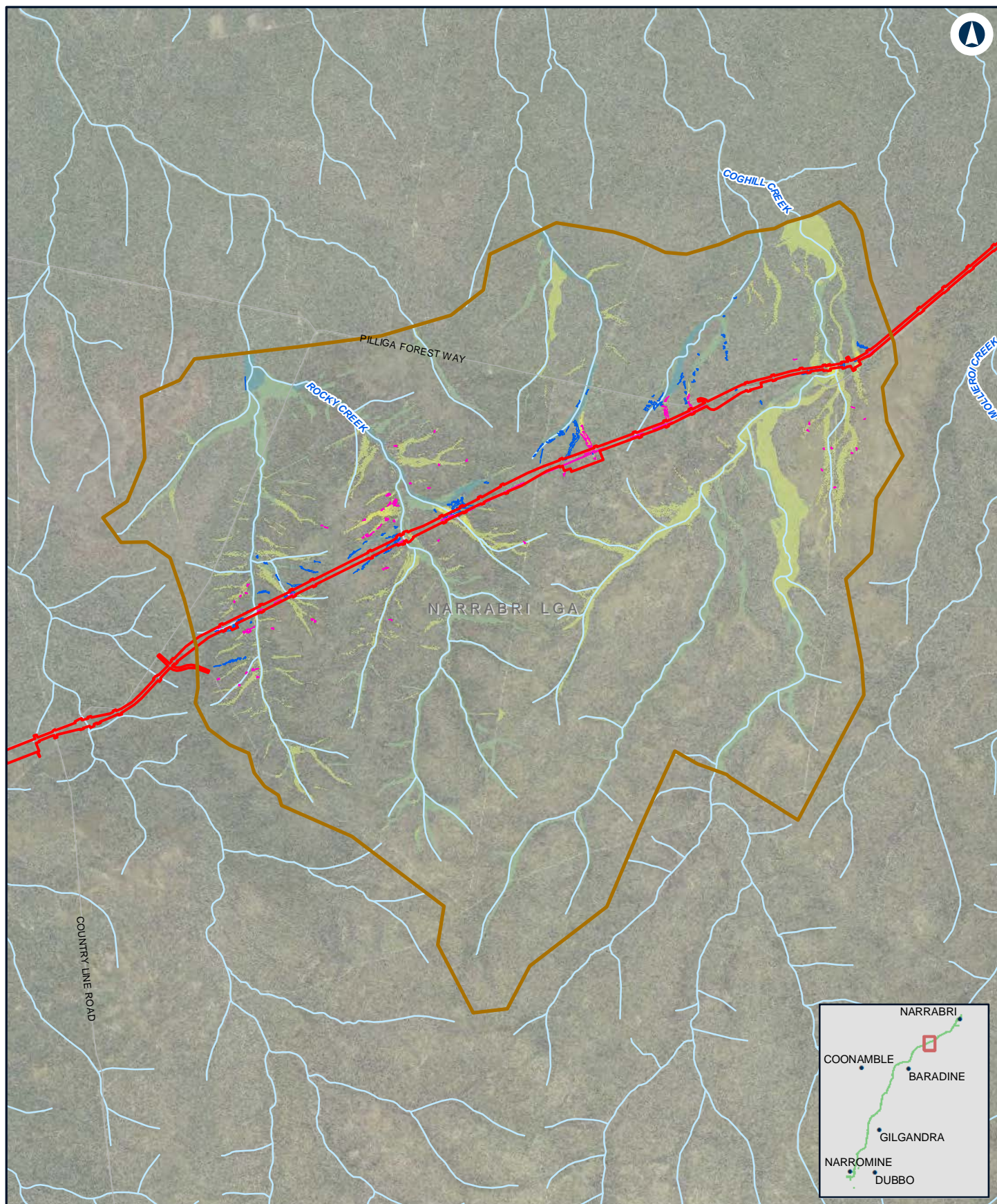
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase

Afflux wet dry

- Was dry now wet
- Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N4

Appendix G - Figure 1.2k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:80,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

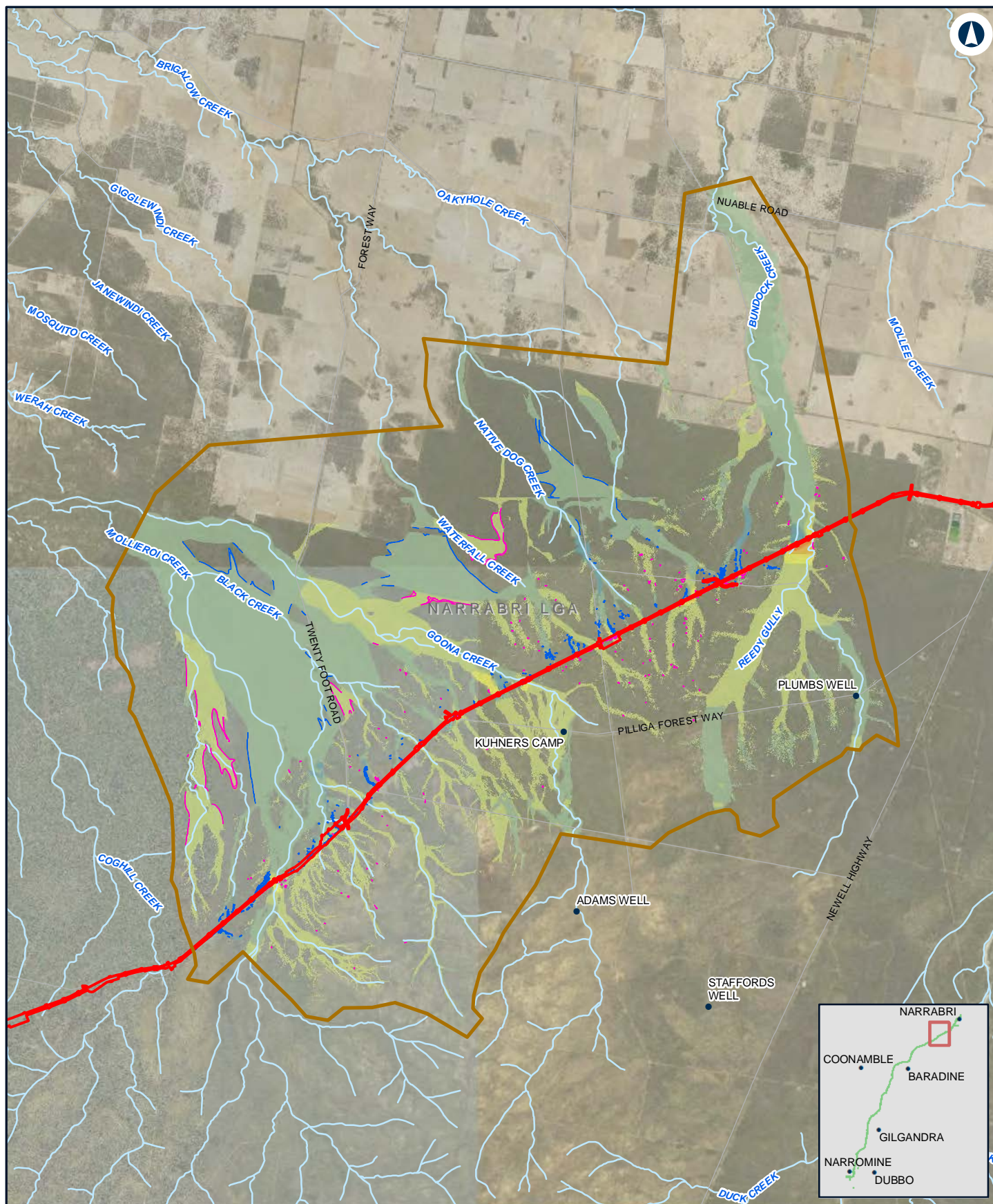
Afflux wet dry

Was dry now wet

Was wet now dry

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NARRABRI TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N23

Appendix G - Figure 1.21

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

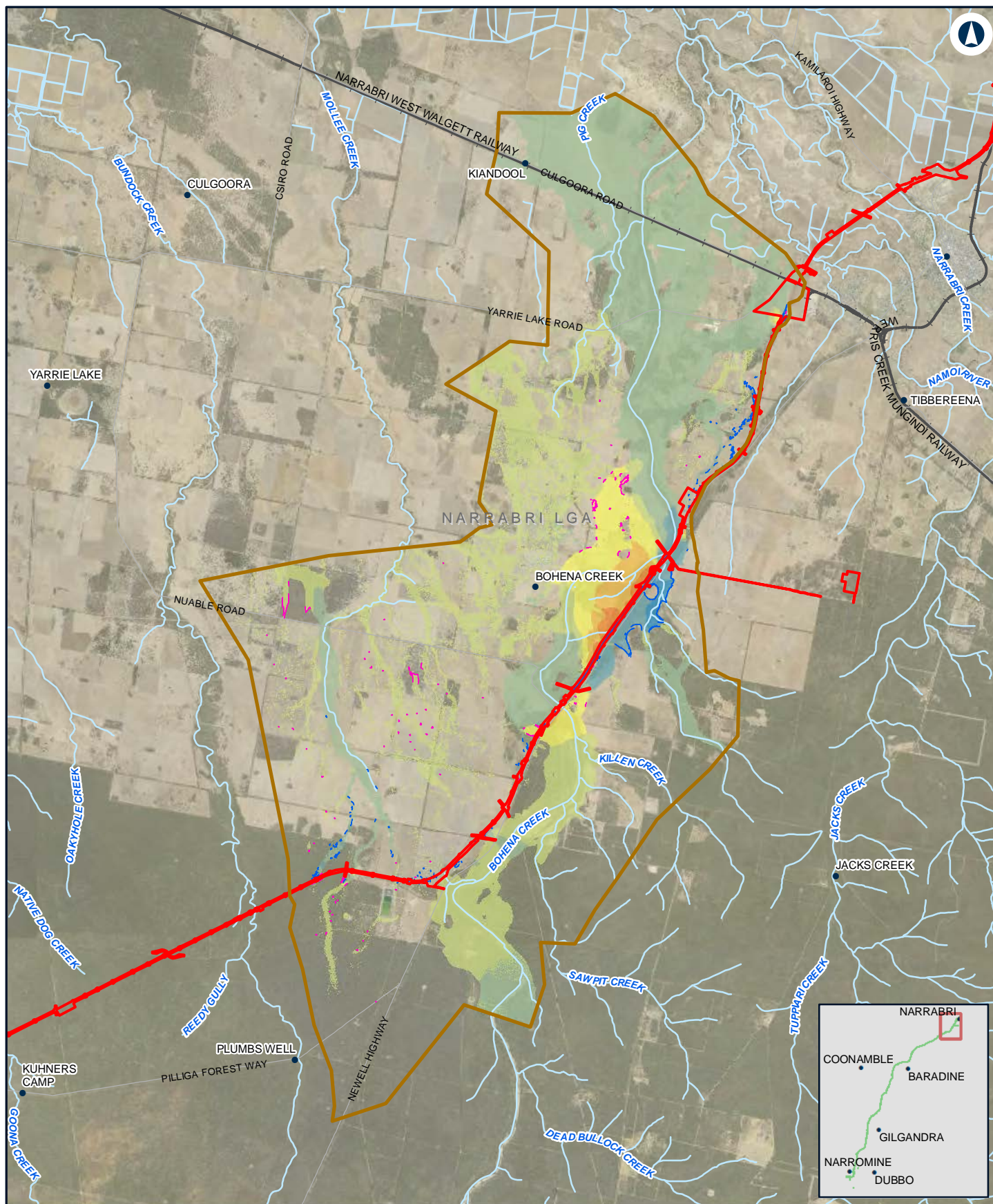
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - N2N1

Appendix G - Figure 1.2m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

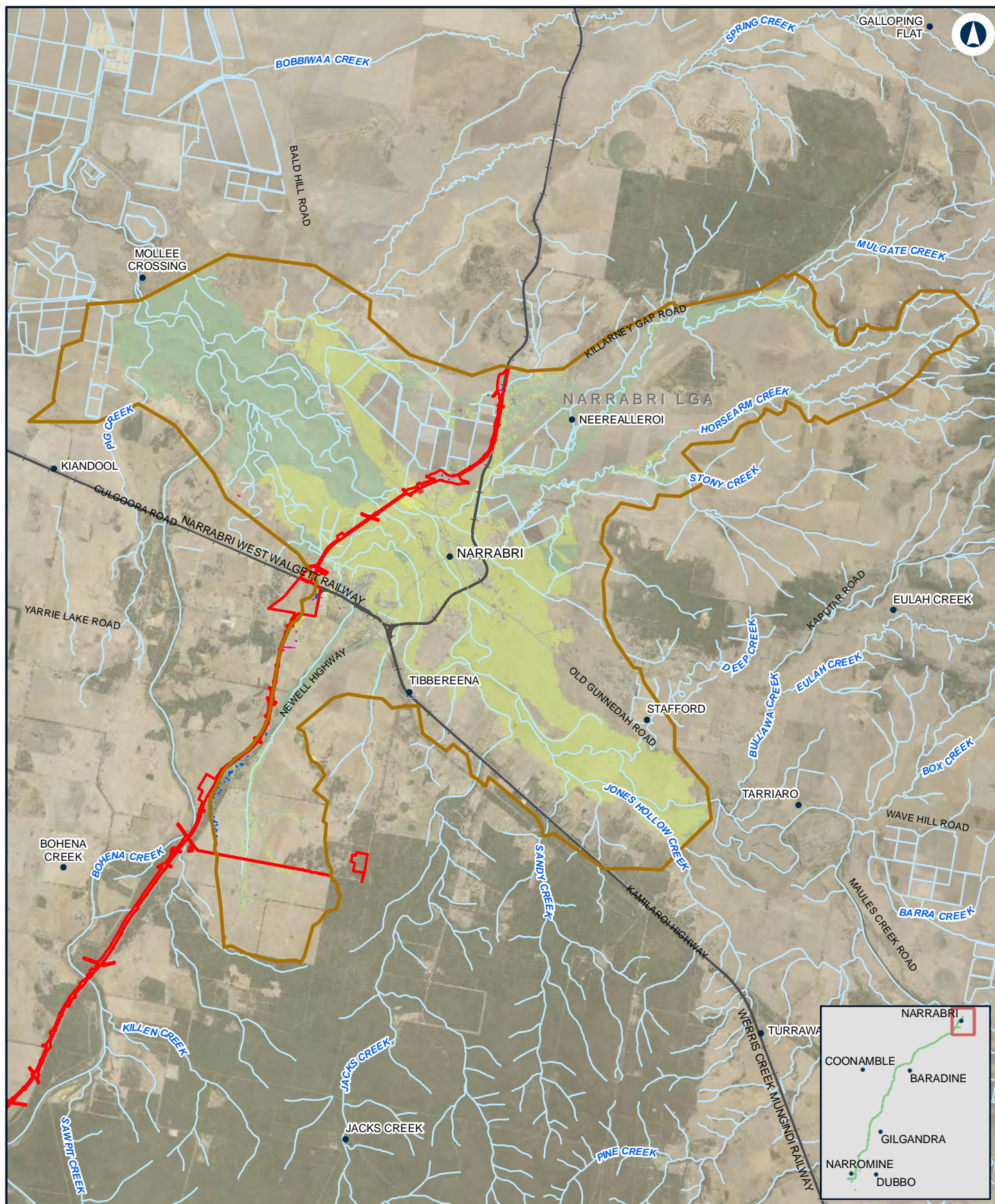
Author: JacobsGHD

Scale: 1:150,000

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

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 5% AEP - Narrabri

Appendix G - Figure 1.2n

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

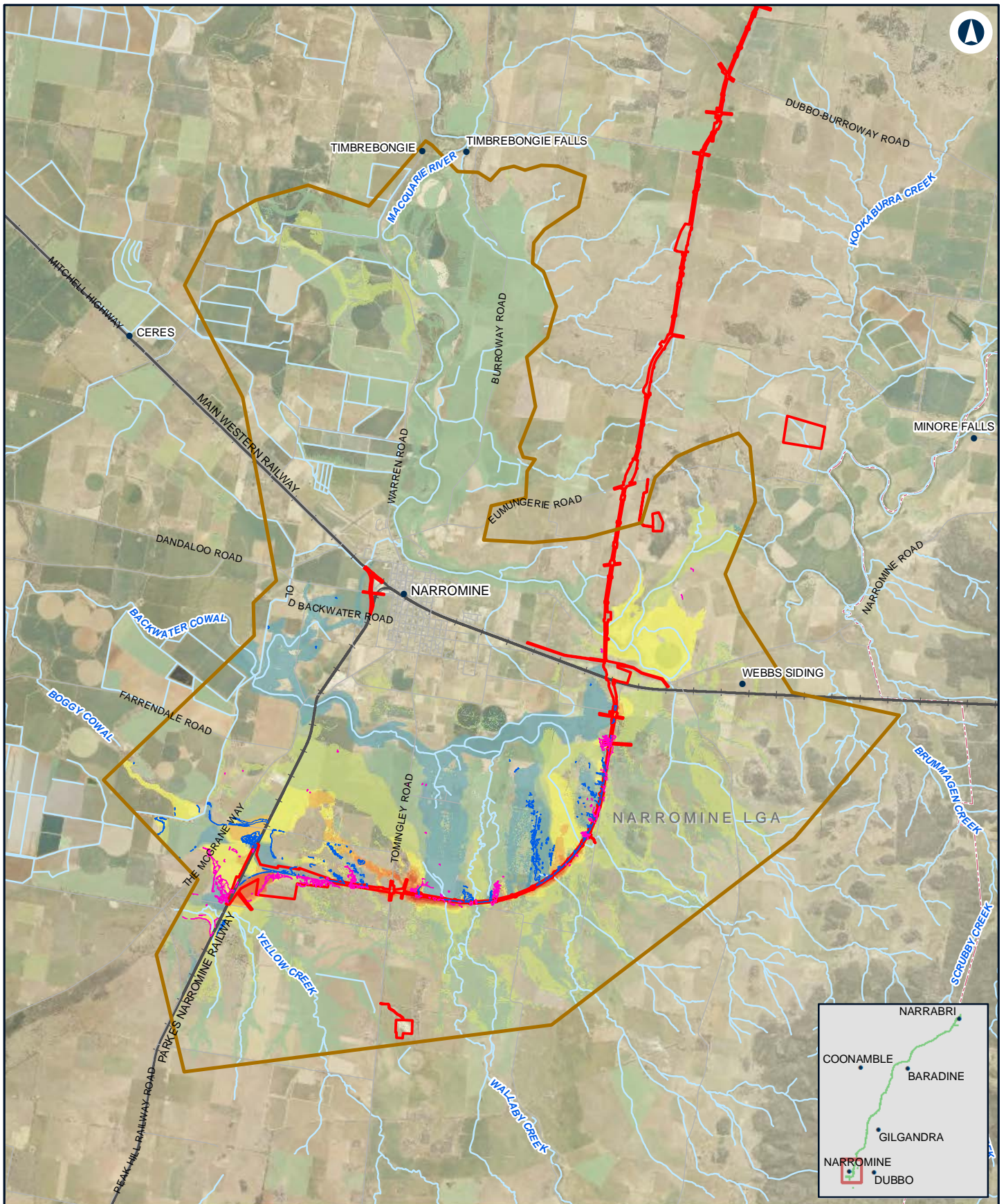
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - NFM

Appendix G - Figure 1.3a

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

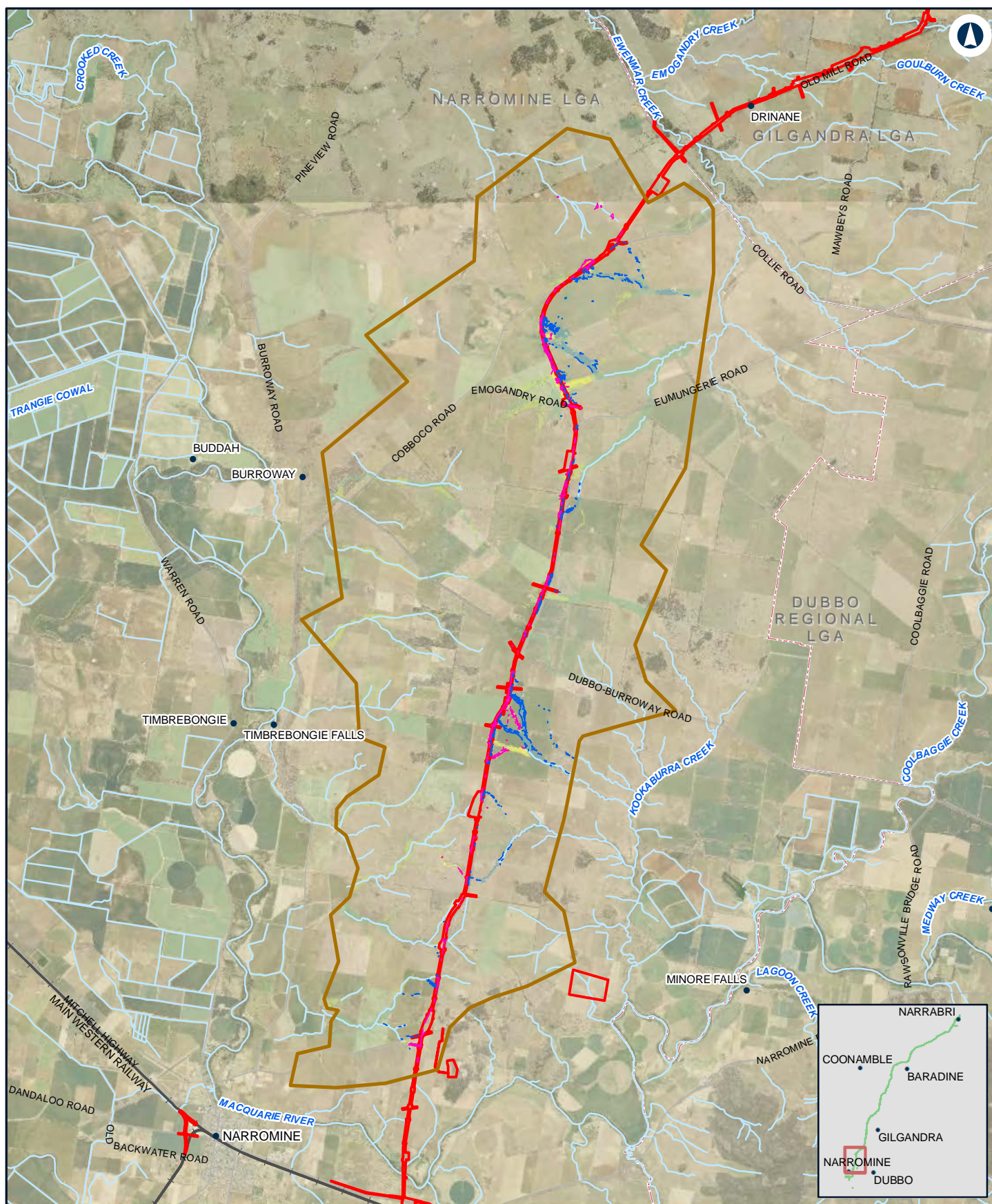
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N14

Appendix G - Figure 1.3b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

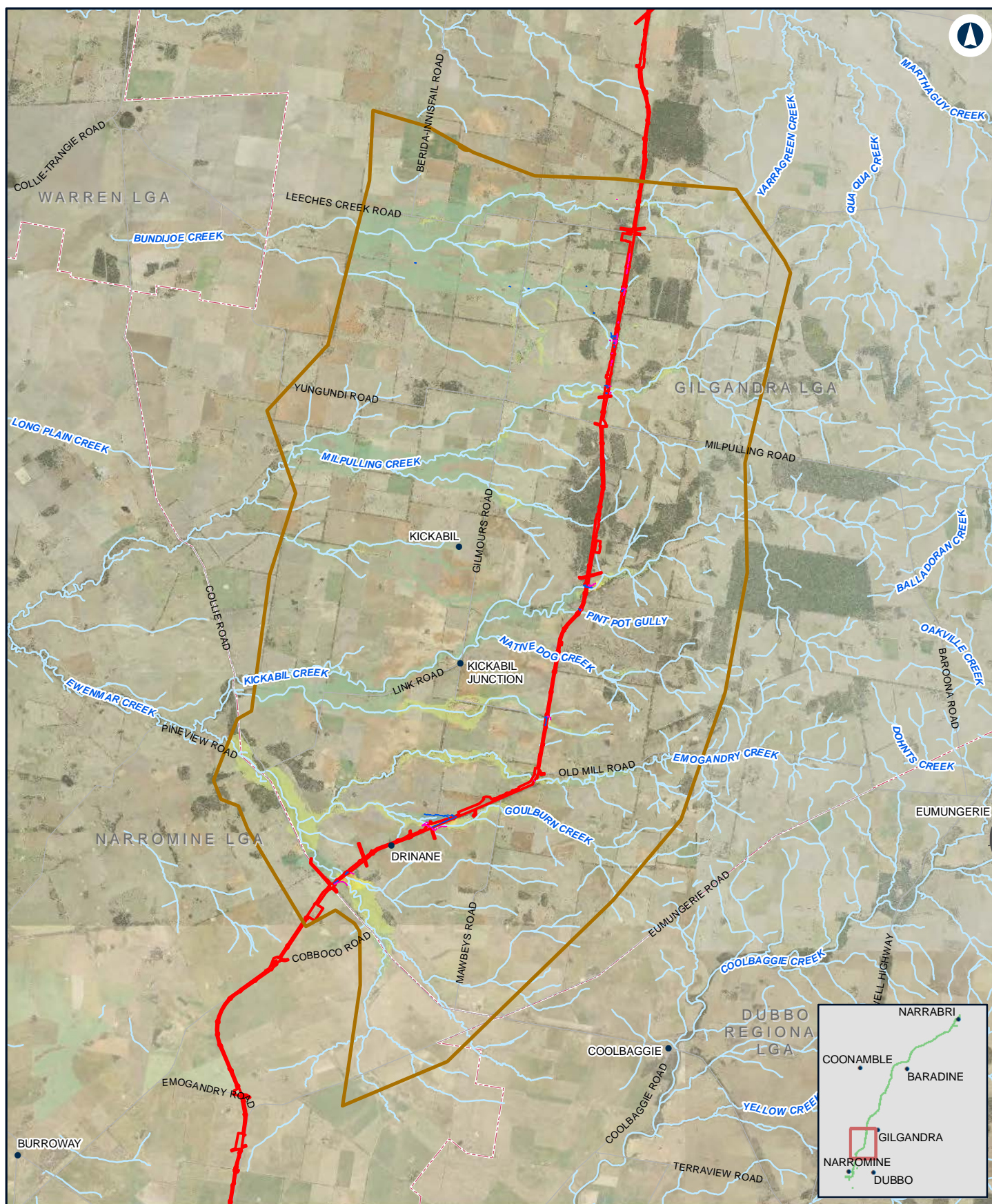
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N13

Appendix G - Figure 1.3c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:180,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

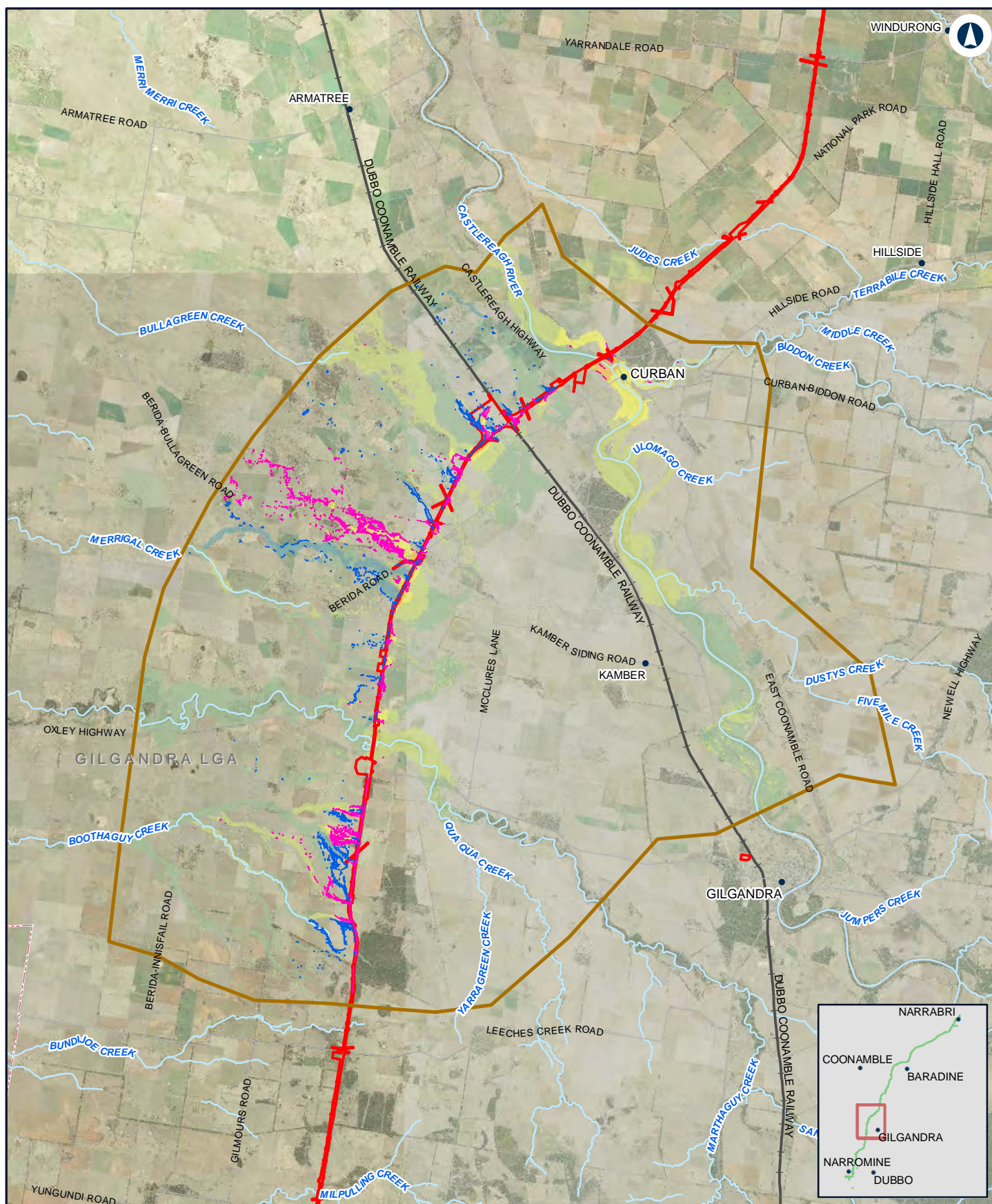
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N11N12

Appendix G - Figure 1.3d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020 Paper: A4
Author: JacobsGHD Scale: 1:200,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

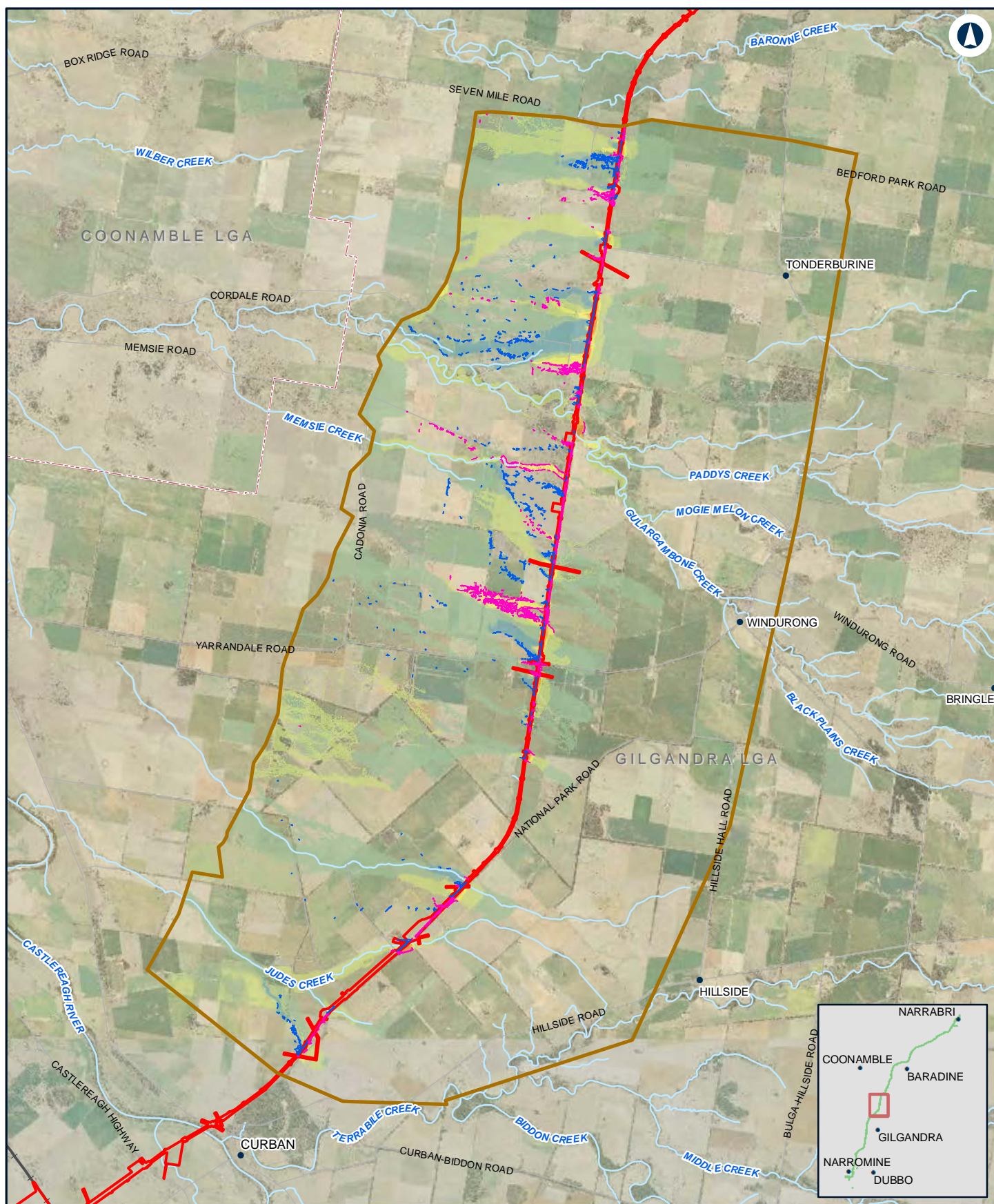
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N10

Appendix G - Figure 1.3e

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:130,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

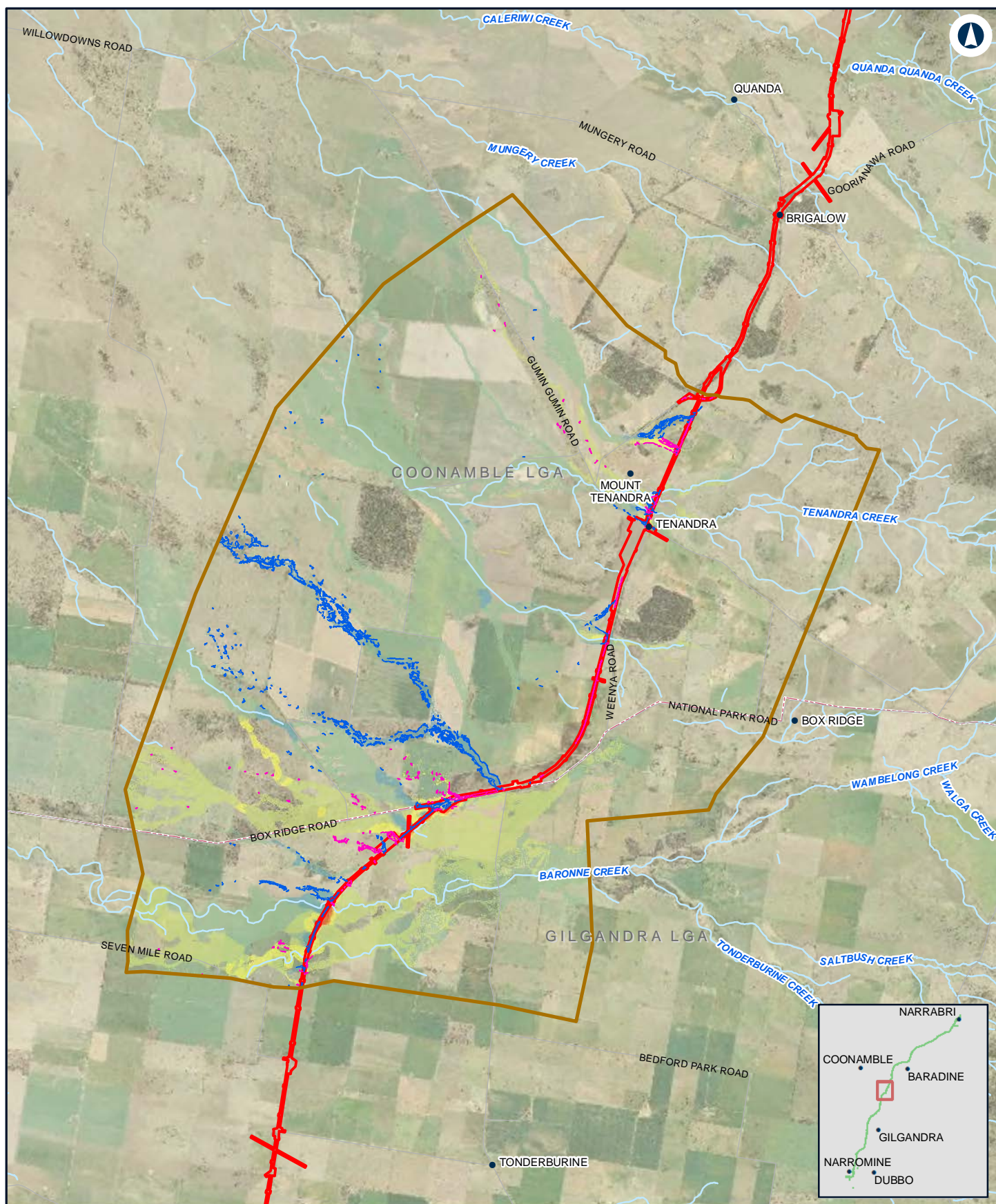
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N9

Appendix G - Figure 1.3f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:110,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

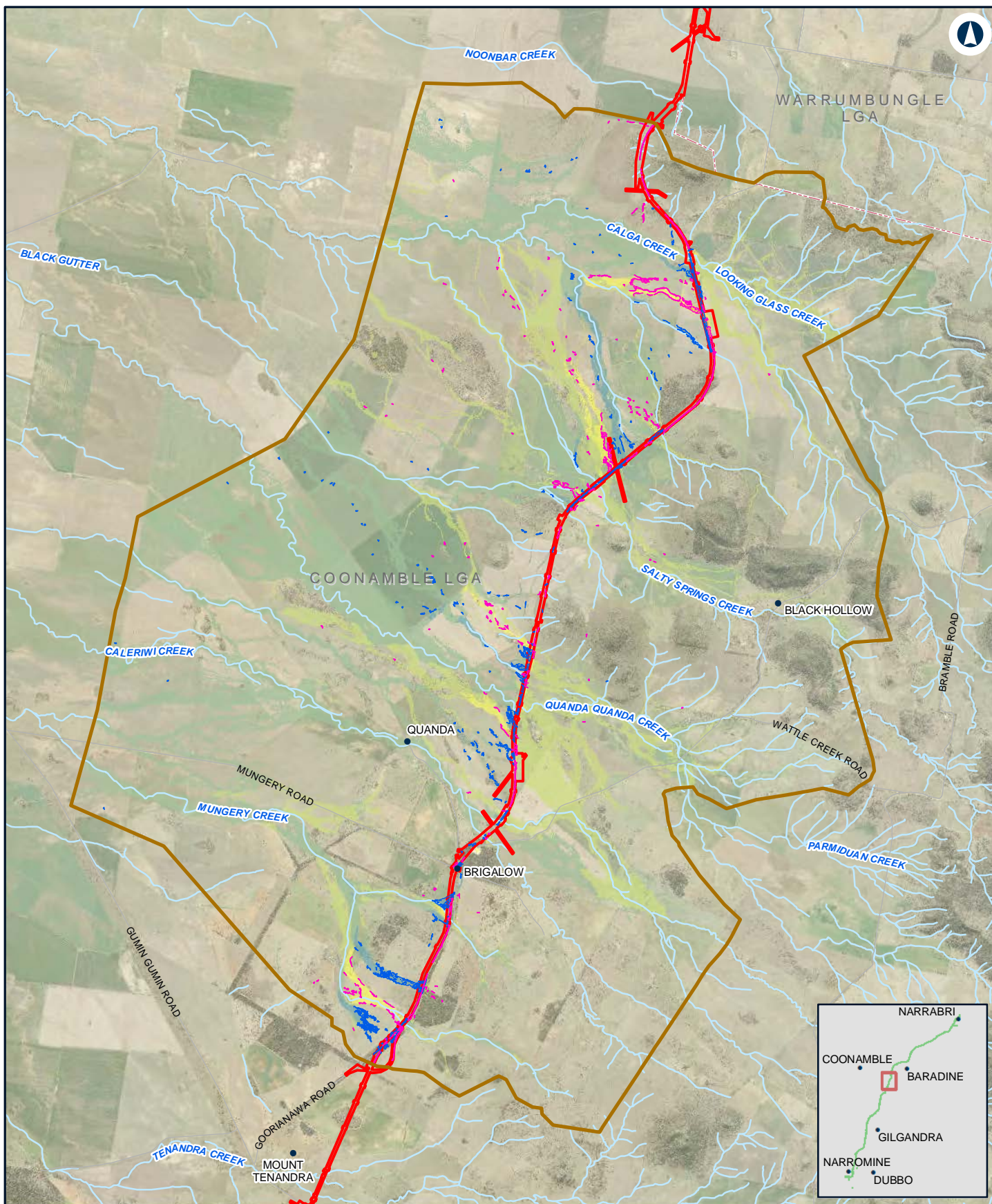
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N8

Appendix G - Figure 1.3g

0 1 2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:100,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

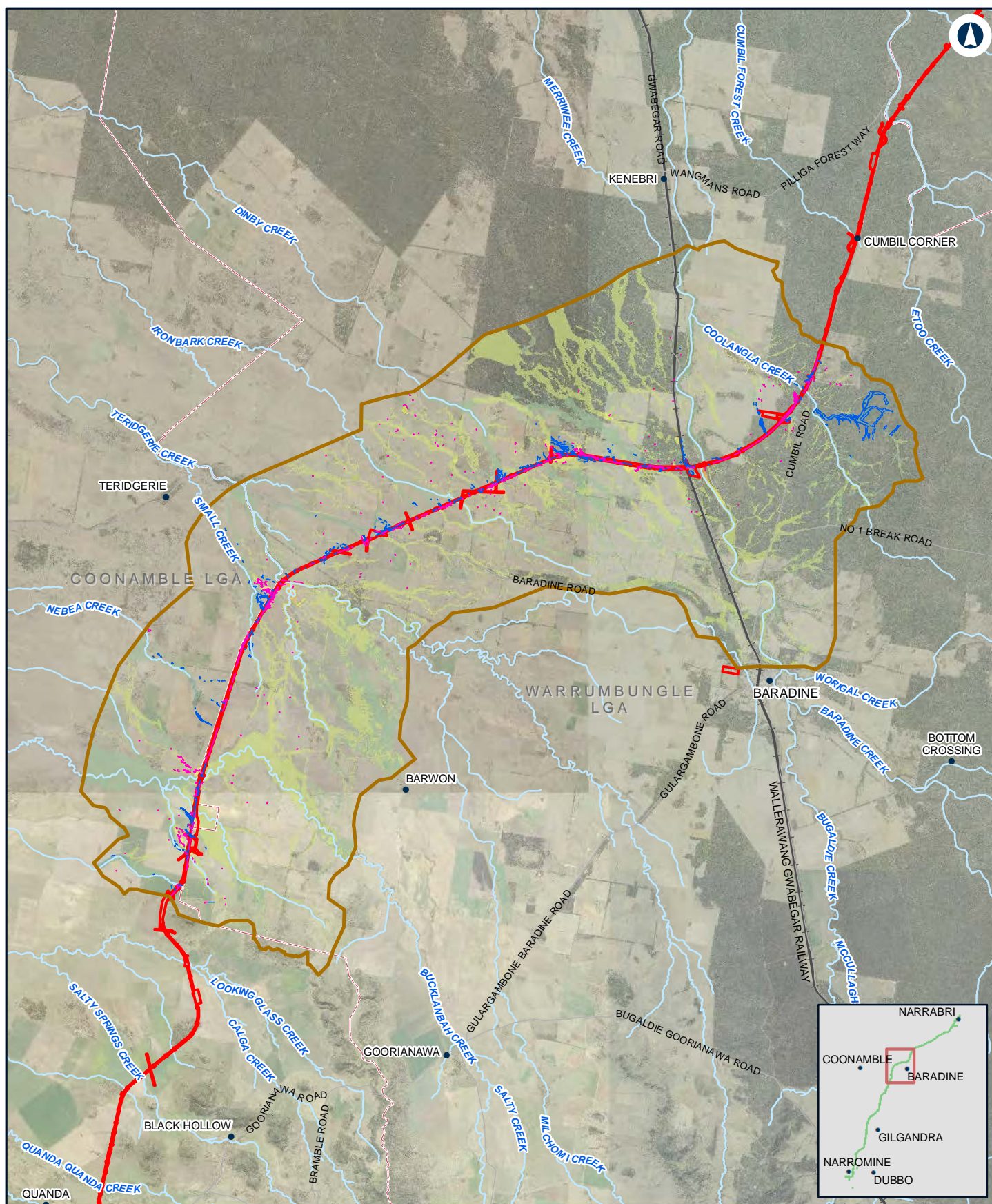
Afflux wet dry

Was dry now wet

Was wet 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 peak flood level (afflux) - 2% AEP - N2N7

Appendix G - Figure 1.3h

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020 Paper: A4
Author: JacobsGHD Scale: 1:200,000

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

LEGEND

- The proposal site
- Model boundary

Afflux

- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase

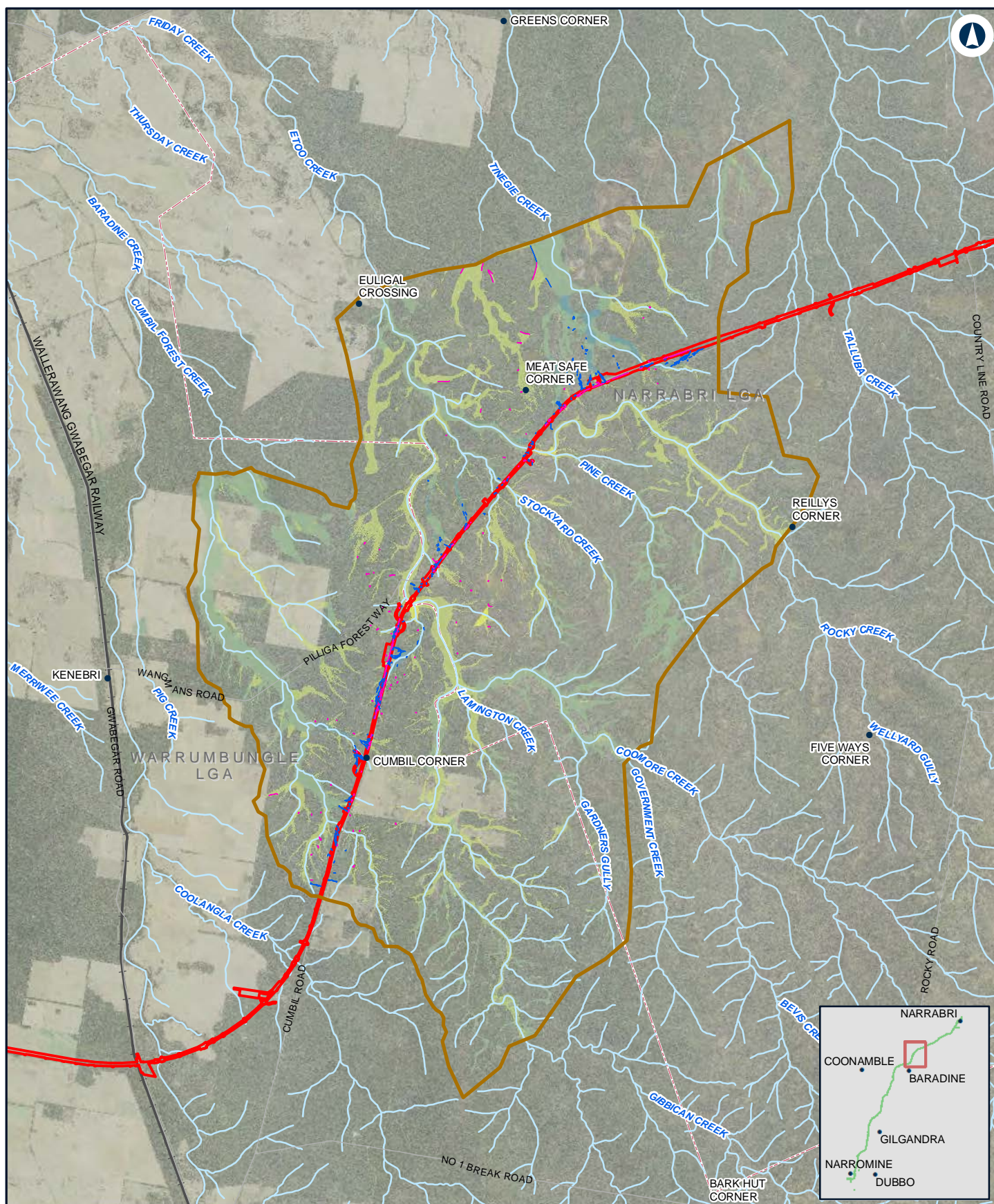
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase

Afflux wet dry

- Was dry now wet
- Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N6

Appendix G - Figure 1.3i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

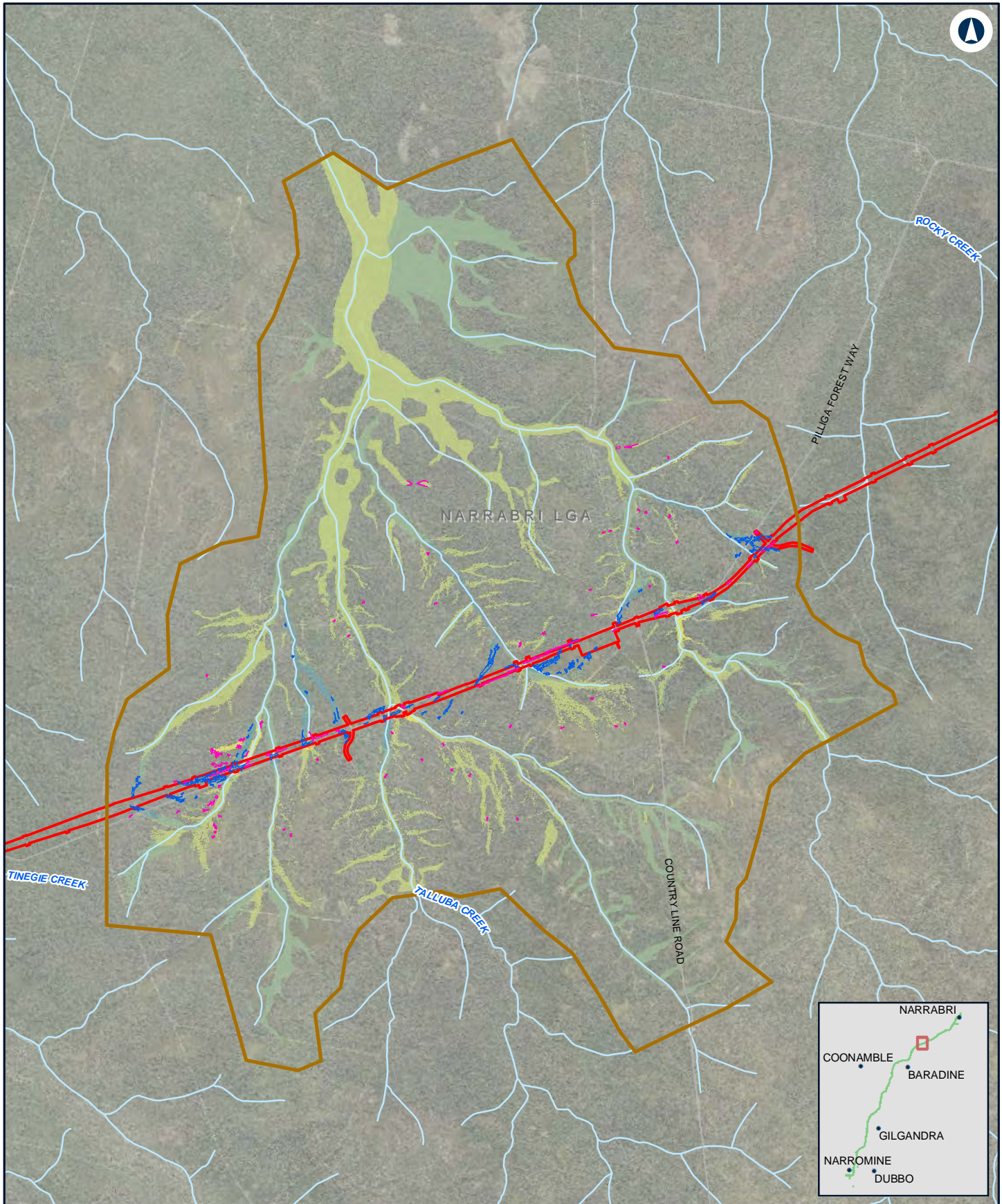
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N5

Appendix G - Figure 1.3j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:70,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

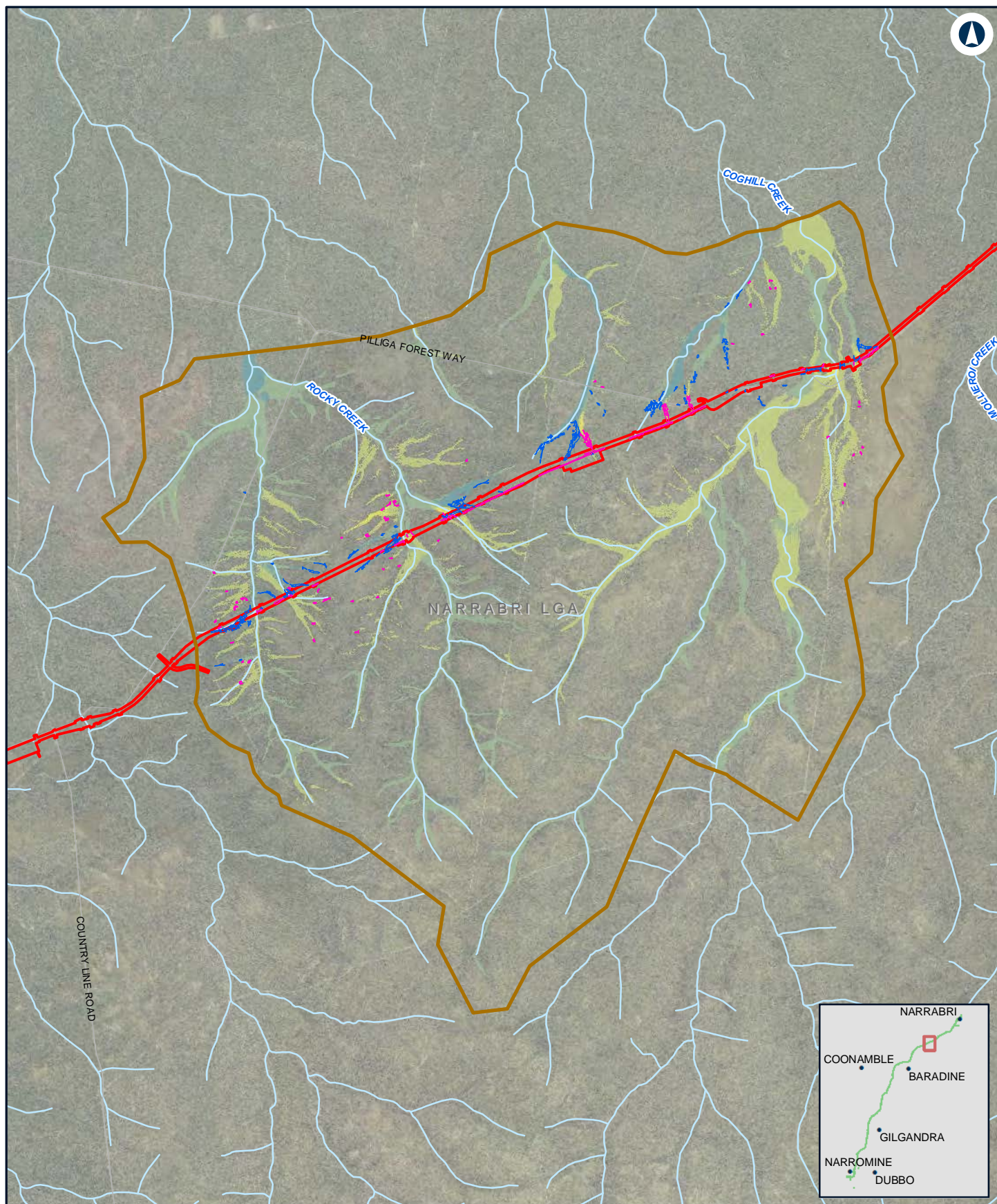
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N4

Appendix G - Figure 1.3k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:80,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

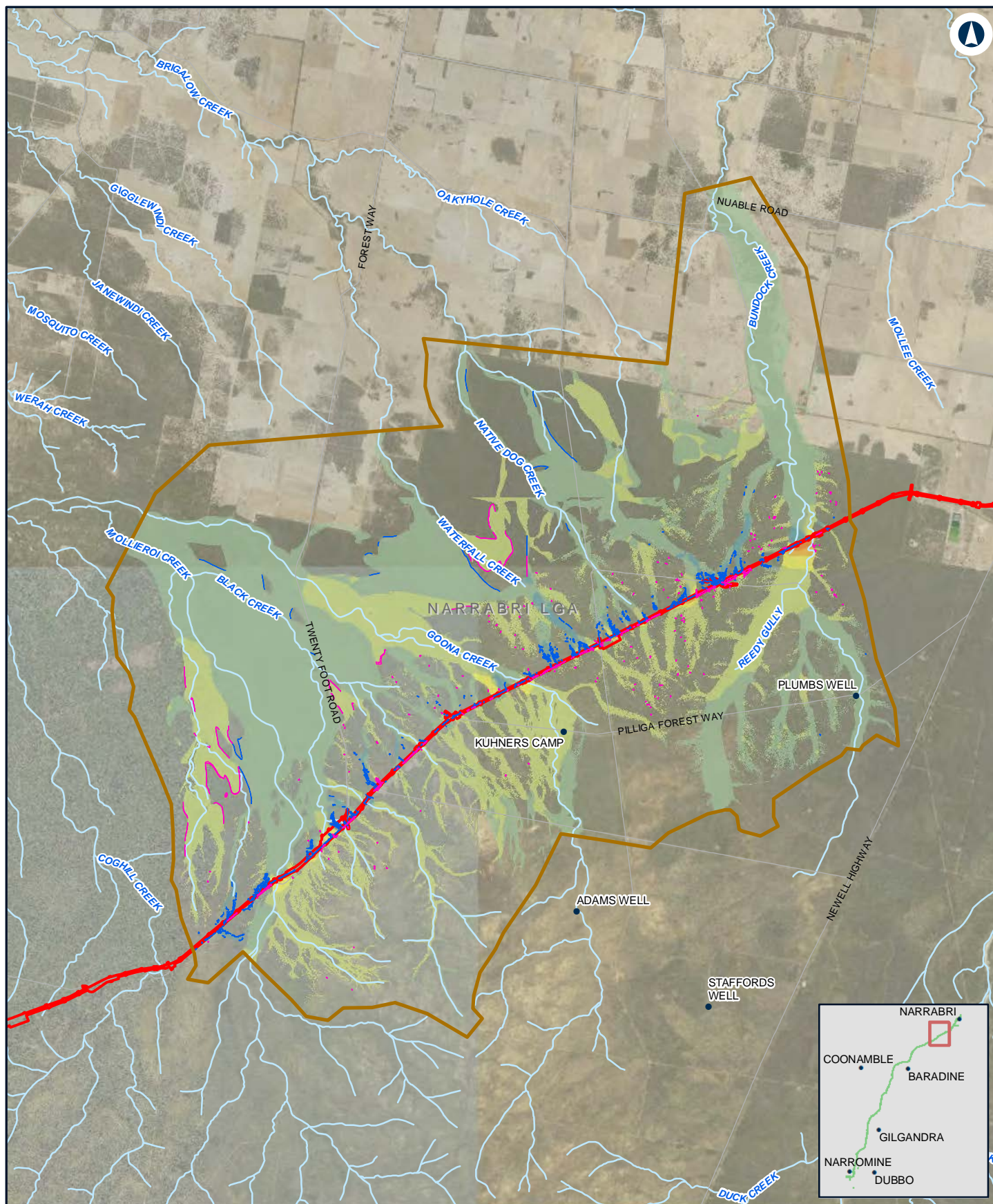
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N23

Appendix G - Figure 1.3I

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

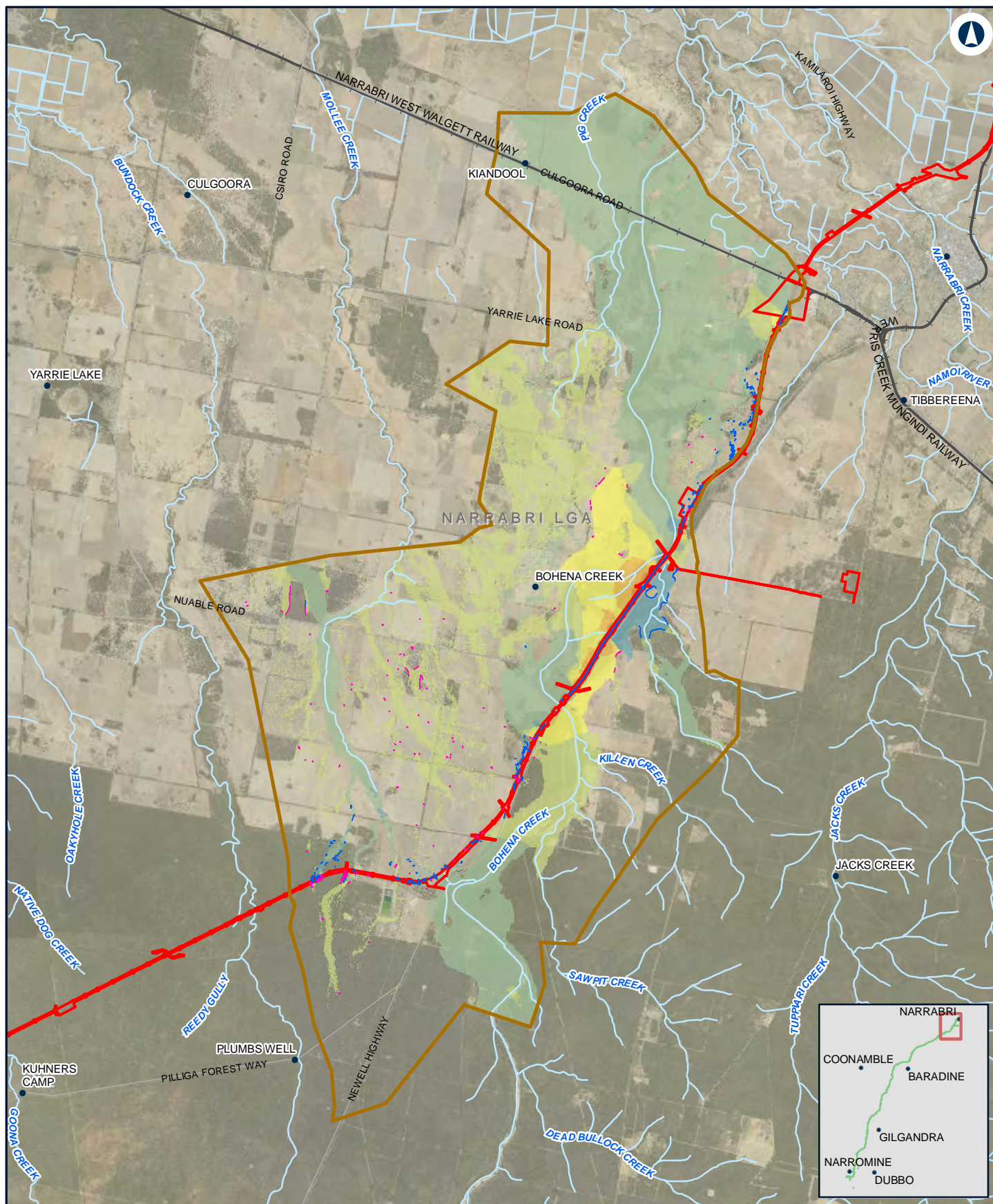
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 2% AEP - N2N1

Appendix G - Figure 1.3m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

 > 0.2m decrease

 0.01 m - 0.2 m decrease

 0 m - 0.01 m decrease

 0 m - 0.01 m increase

 0.01 m - 0.05 m increase

 0.05 m - 0.1 m increase

 0.1 m - 0.2 m increase

 0.2 m - 0.5 m increase

 > 0.5 m increase

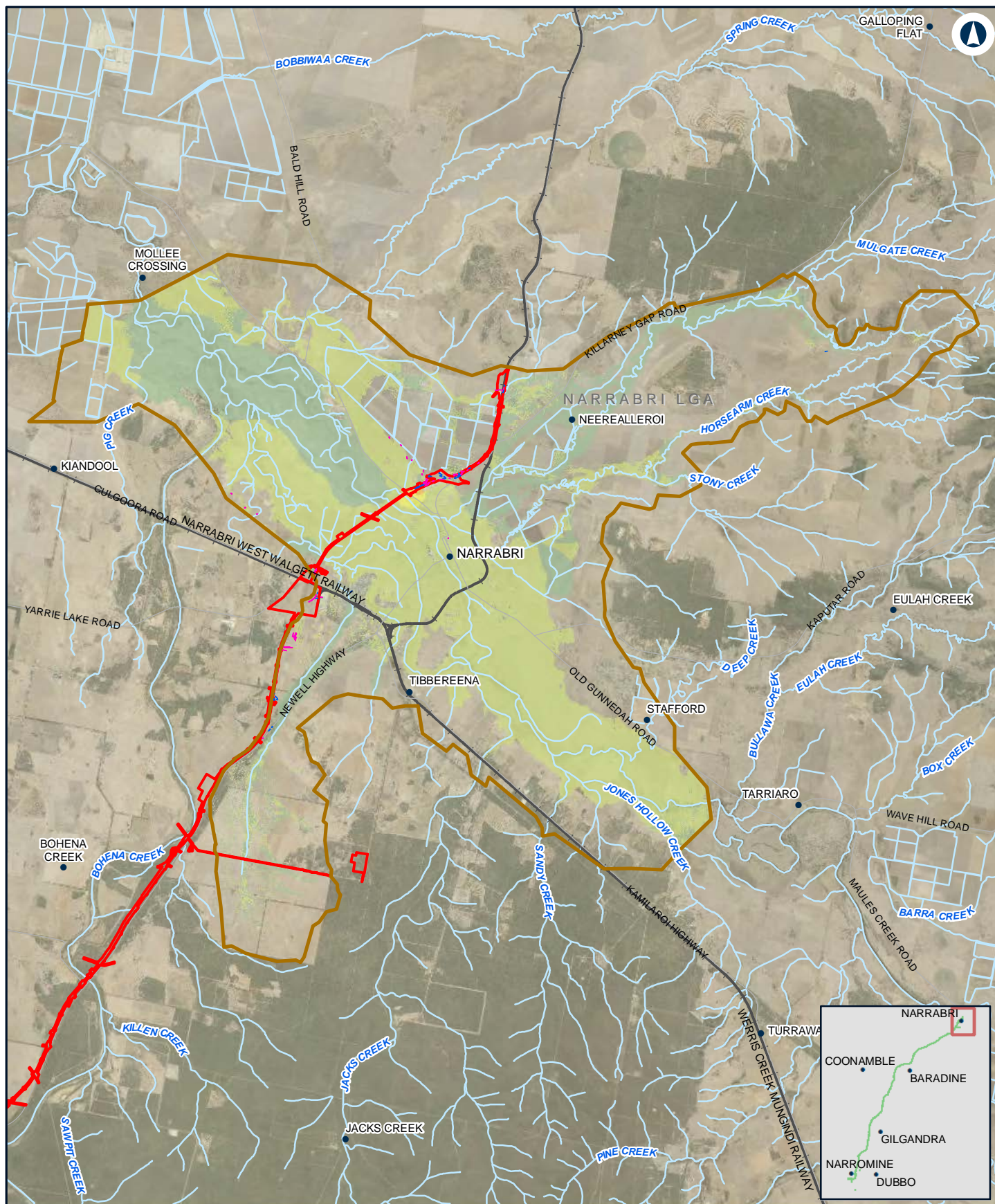
Afflux wet dry

 Was dry now wet

 Was wet now dry

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0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

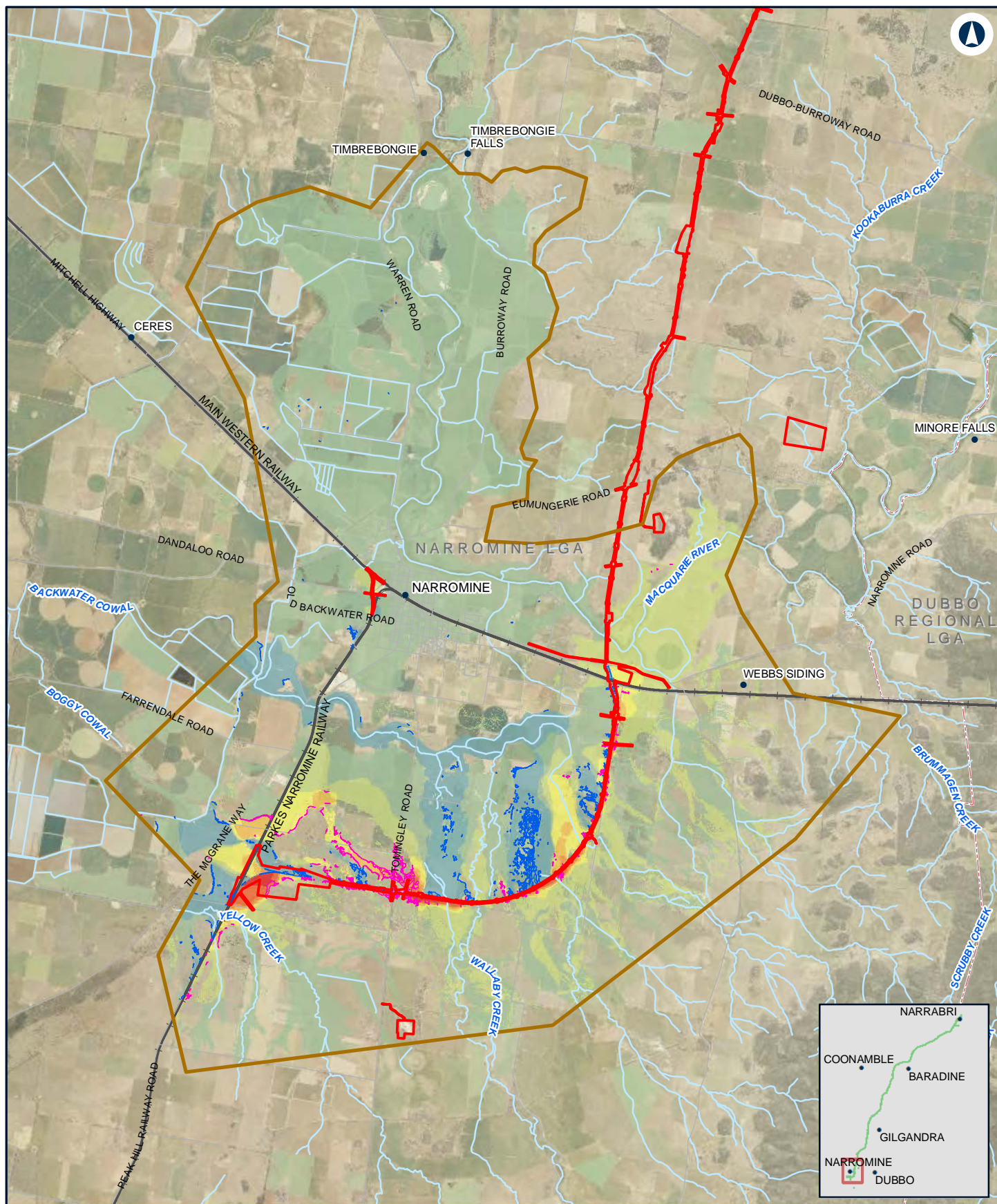
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - NFM

Appendix G - Figure 1.4a

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

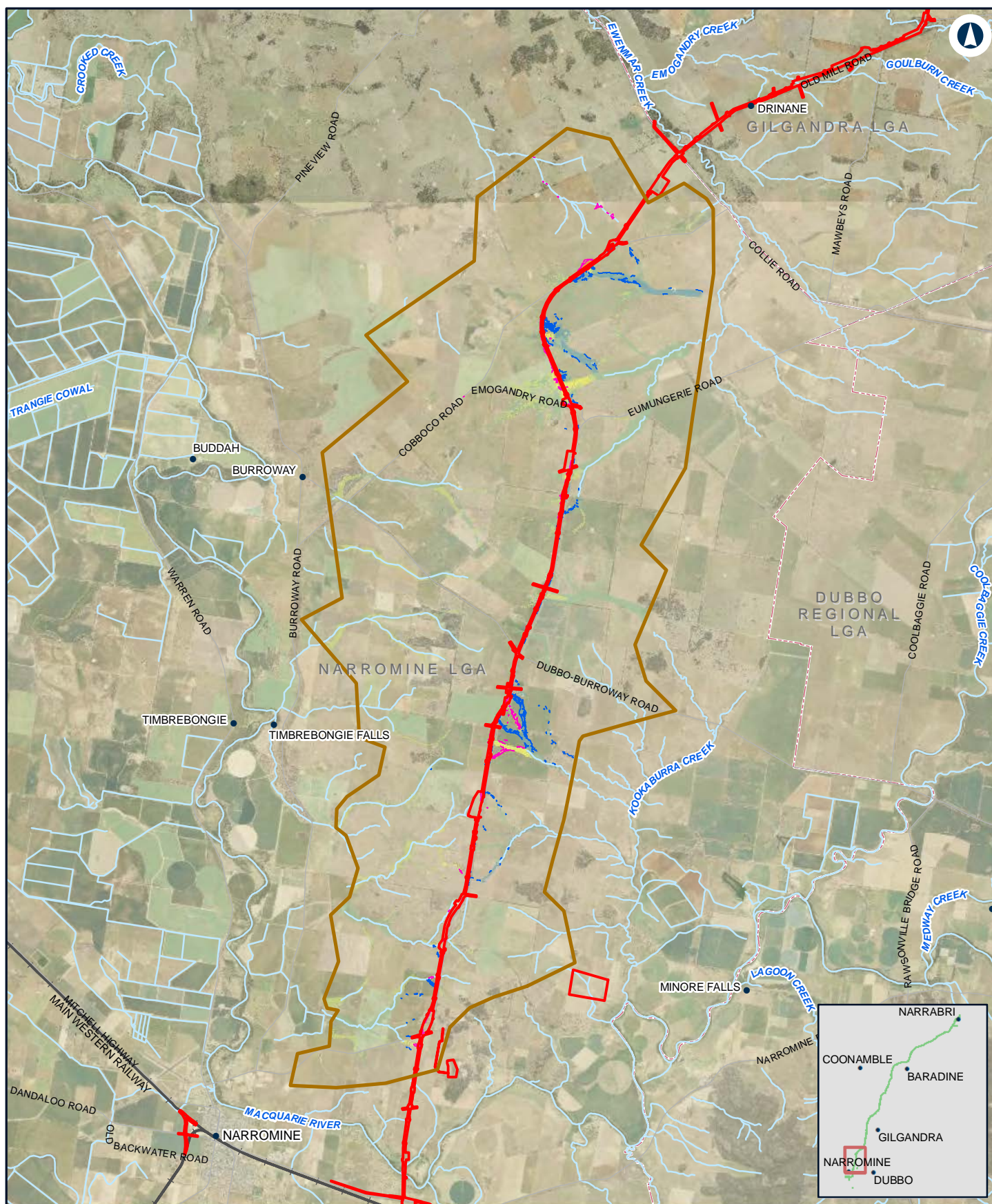
- The proposal site
- Model boundary

Afflux

- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase
- Was dry now wet
- Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N14

Appendix G - Figure 1.4b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

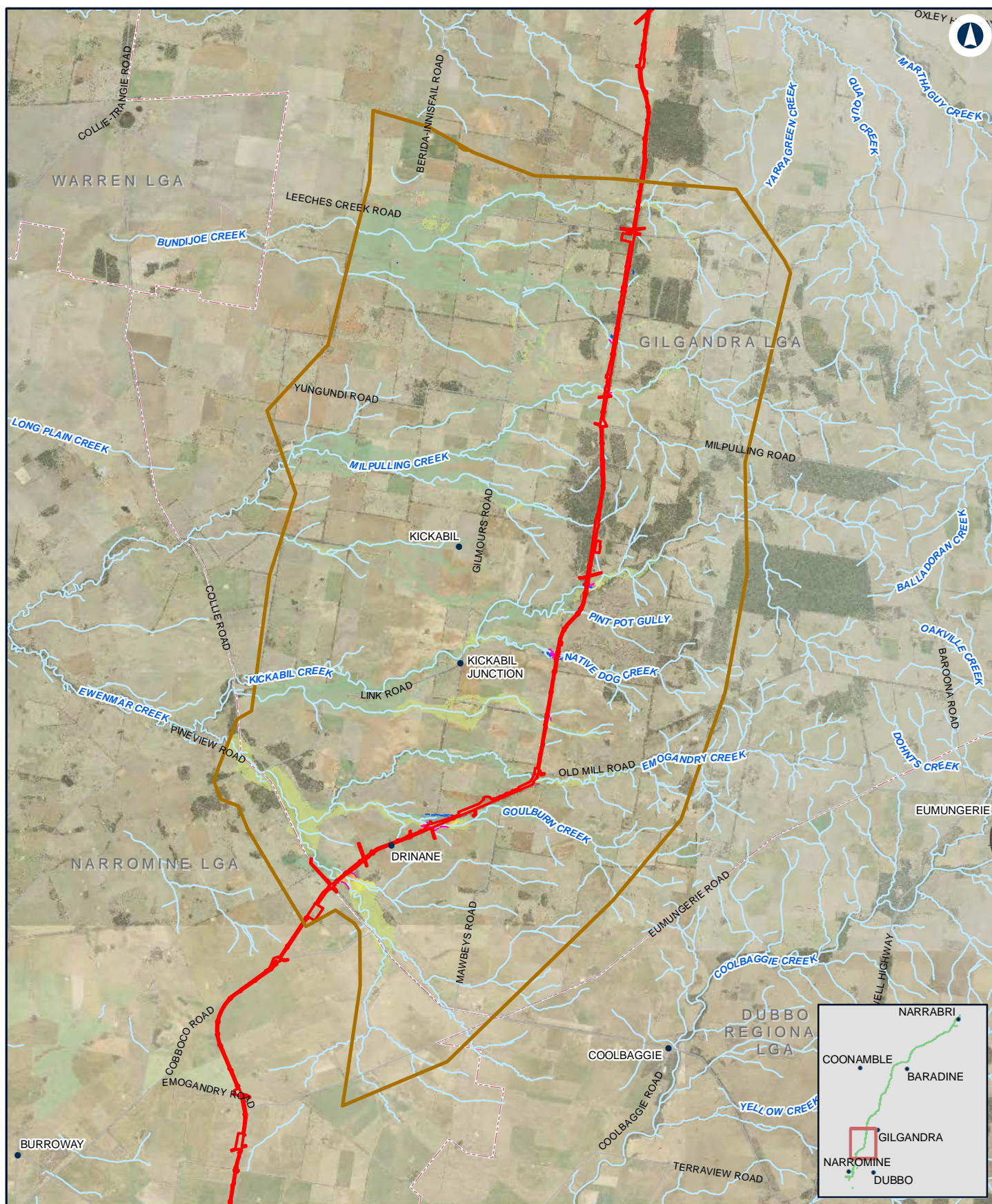
> 0.5 m increase

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N13

Appendix G - Figure 1.4c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:180,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

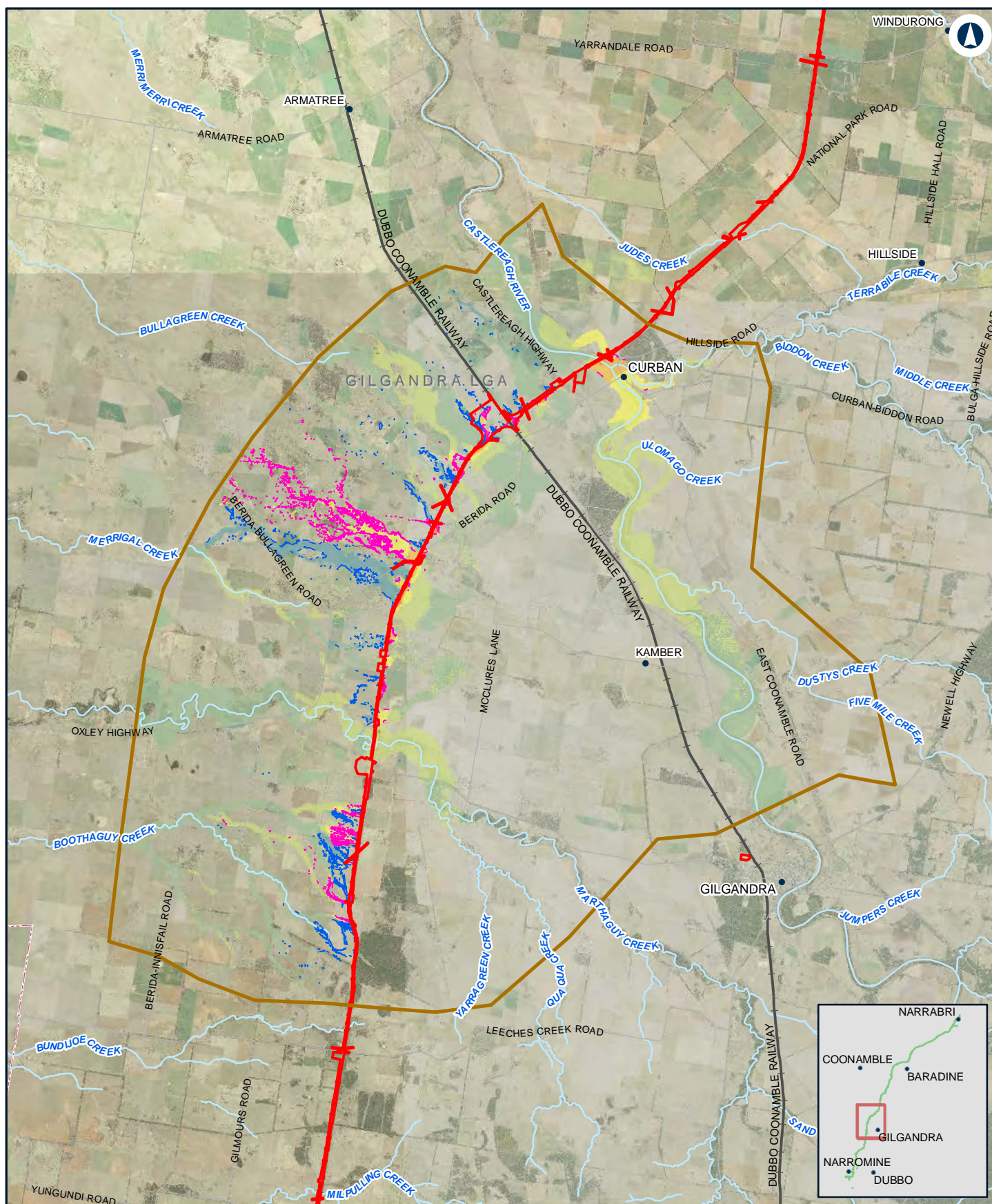
> 0.5 m increase

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N11N12

Appendix G - Figure 1.4d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:200,000

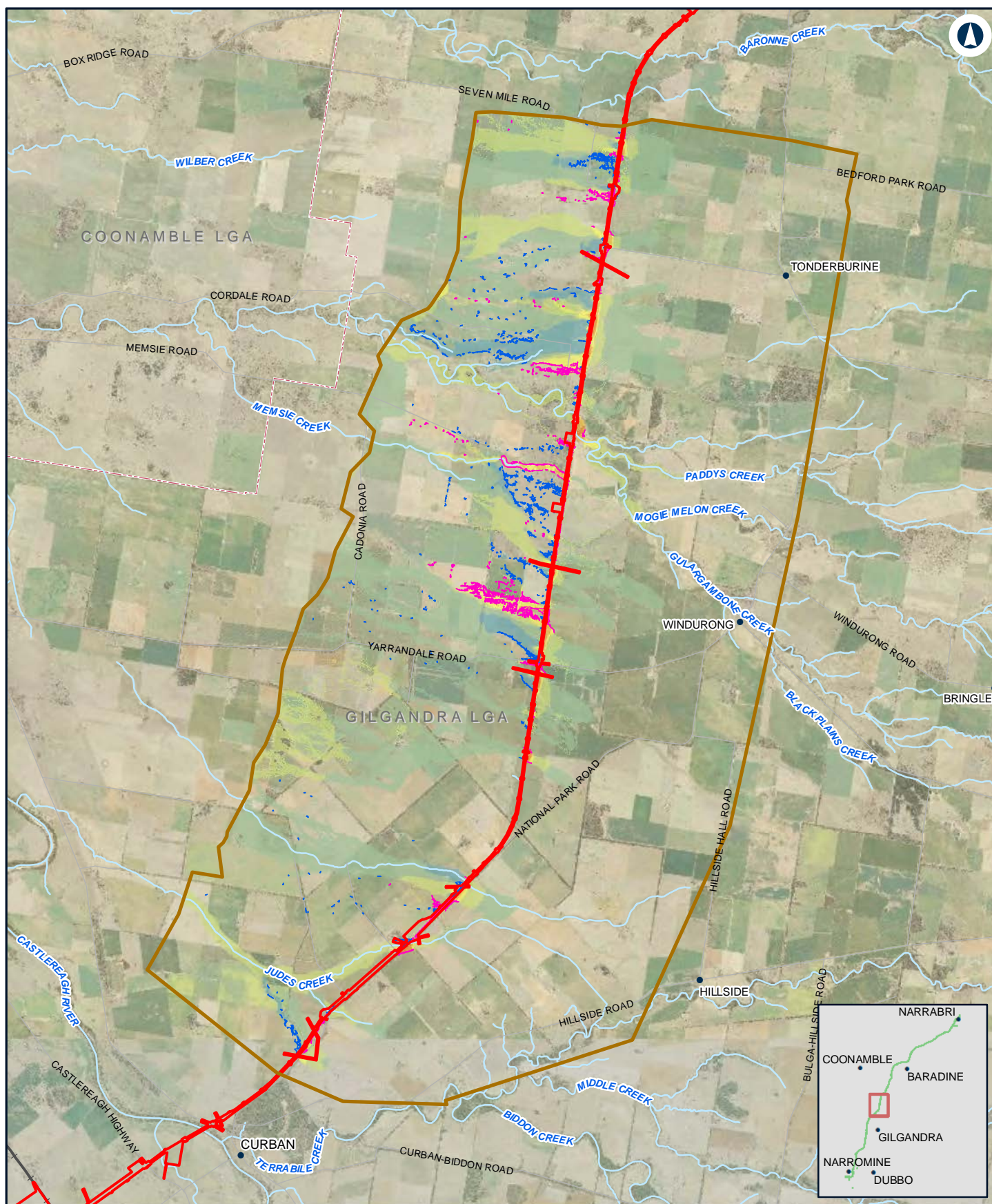
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

	The proposal site		0.01 m - 0.05 m increase
	Model boundary		0.05 m - 0.1 m increase
Afflux			0.1 m - 0.2 m increase
	> 0.2m decrease		0.2 m - 0.5 m increase
	0.01 m - 0.2 m decrease		> 0.5 m increase
	0 m - 0.01 m decrease		Was dry now wet
	0 m - 0.01 m increase		Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N10

Appendix G - Figure 1.4e

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:130,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

 > 0.2m decrease

 0.01 m - 0.2 m decrease

 0 m - 0.01 m decrease

 0 m - 0.01 m increase

 0.01 m - 0.05 m increase

 0.05 m - 0.1 m increase

 0.1 m - 0.2 m increase

 0.2 m - 0.5 m increase

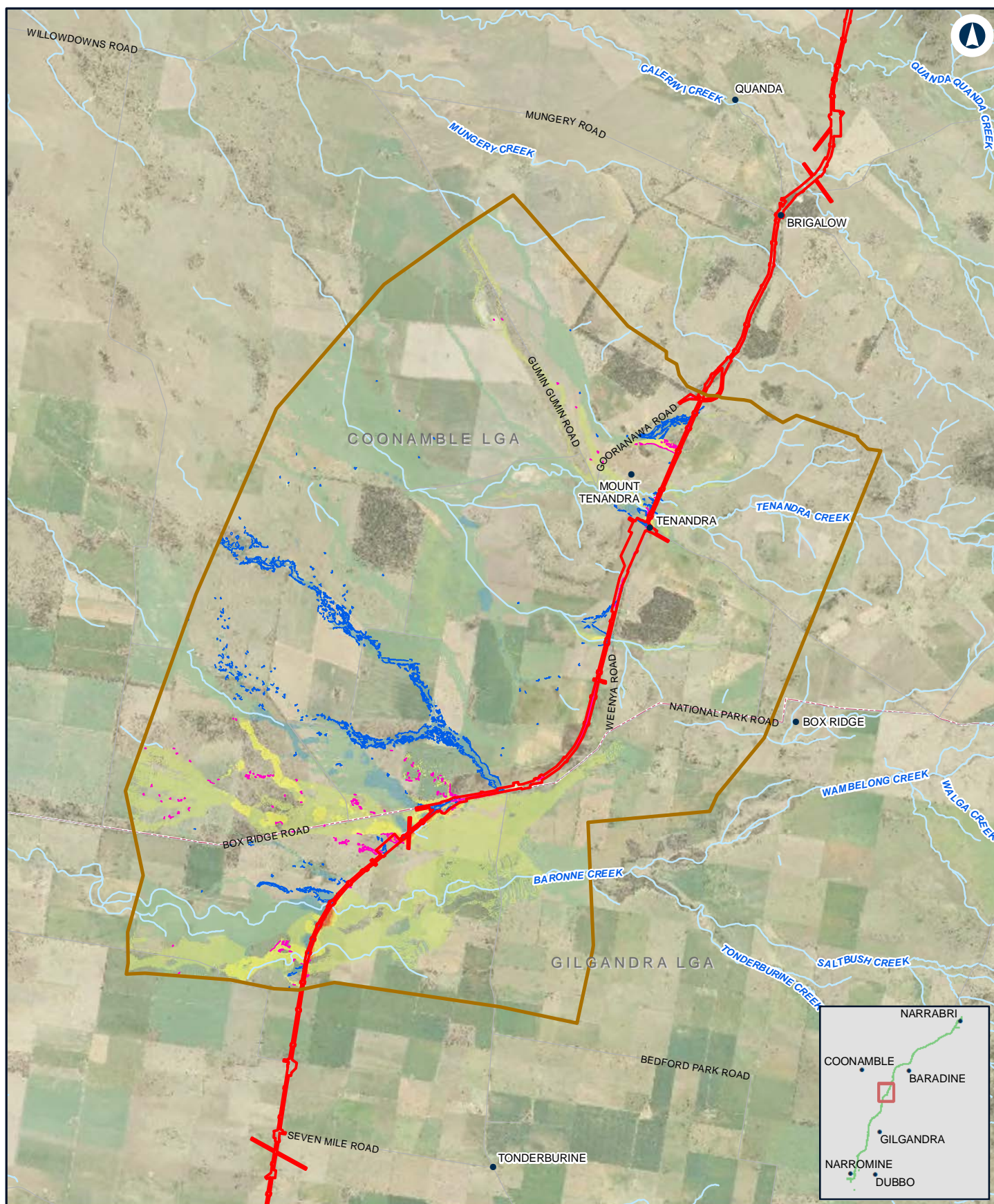
 > 0.5 m increase

 Was dry now wet

 Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N9

Appendix G - Figure 1.4f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:110,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

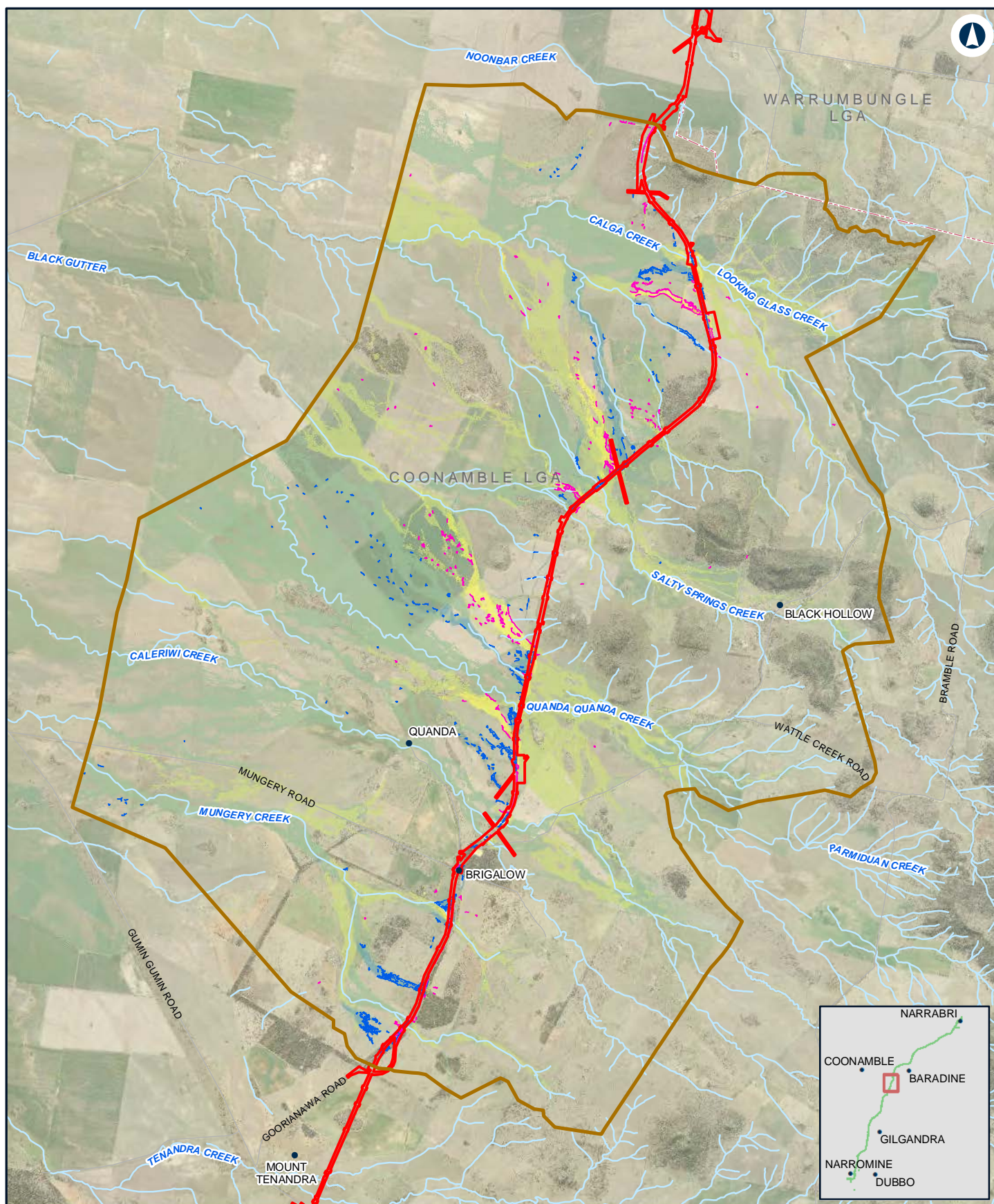
> 0.5 m increase

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N8

Appendix G - Figure 1.4g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:100,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

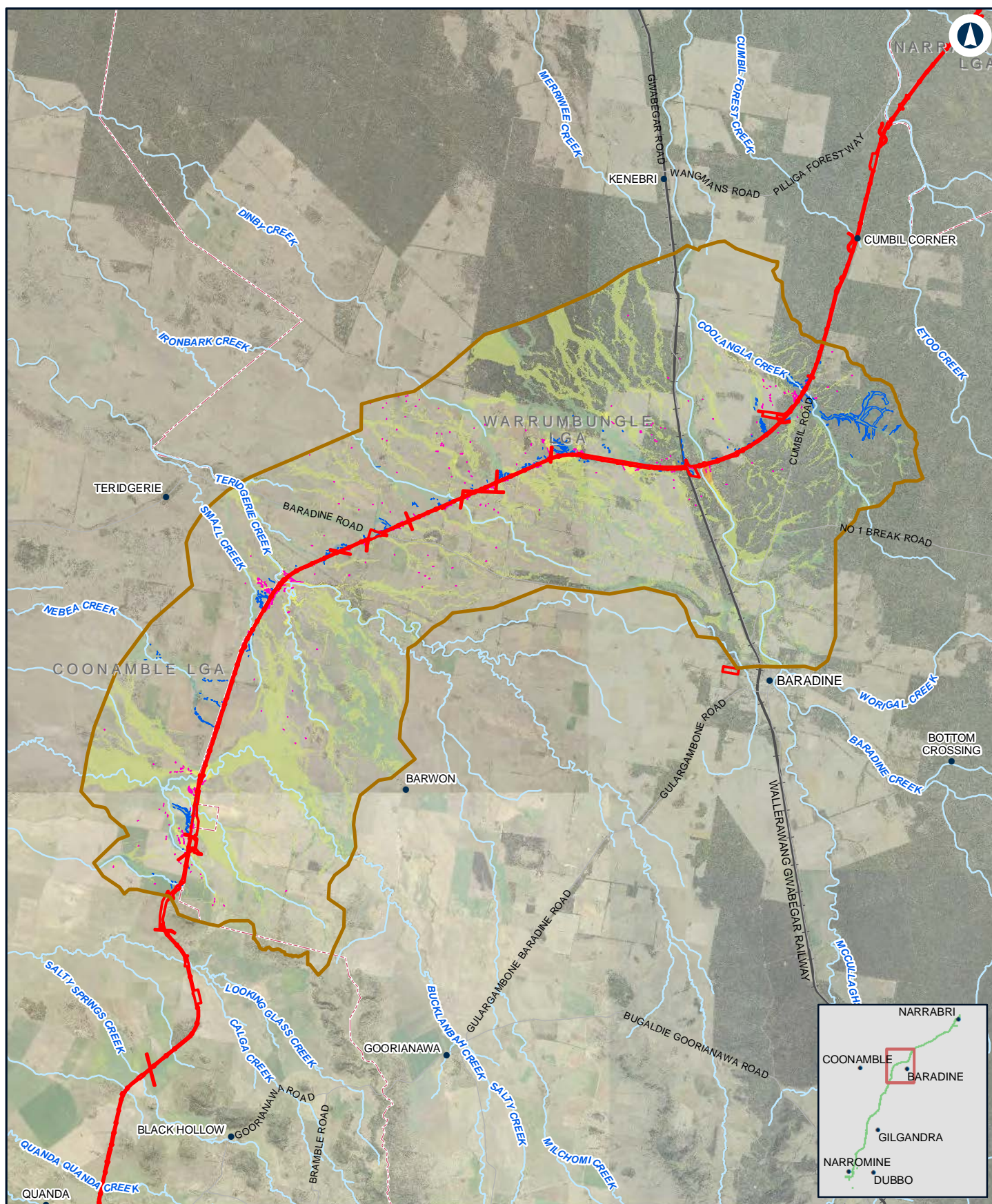
> 0.5 m increase

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N7

Appendix G - Figure 1.4h

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020 Paper: A4
Author: JacobsGHD Scale: 1:200,000

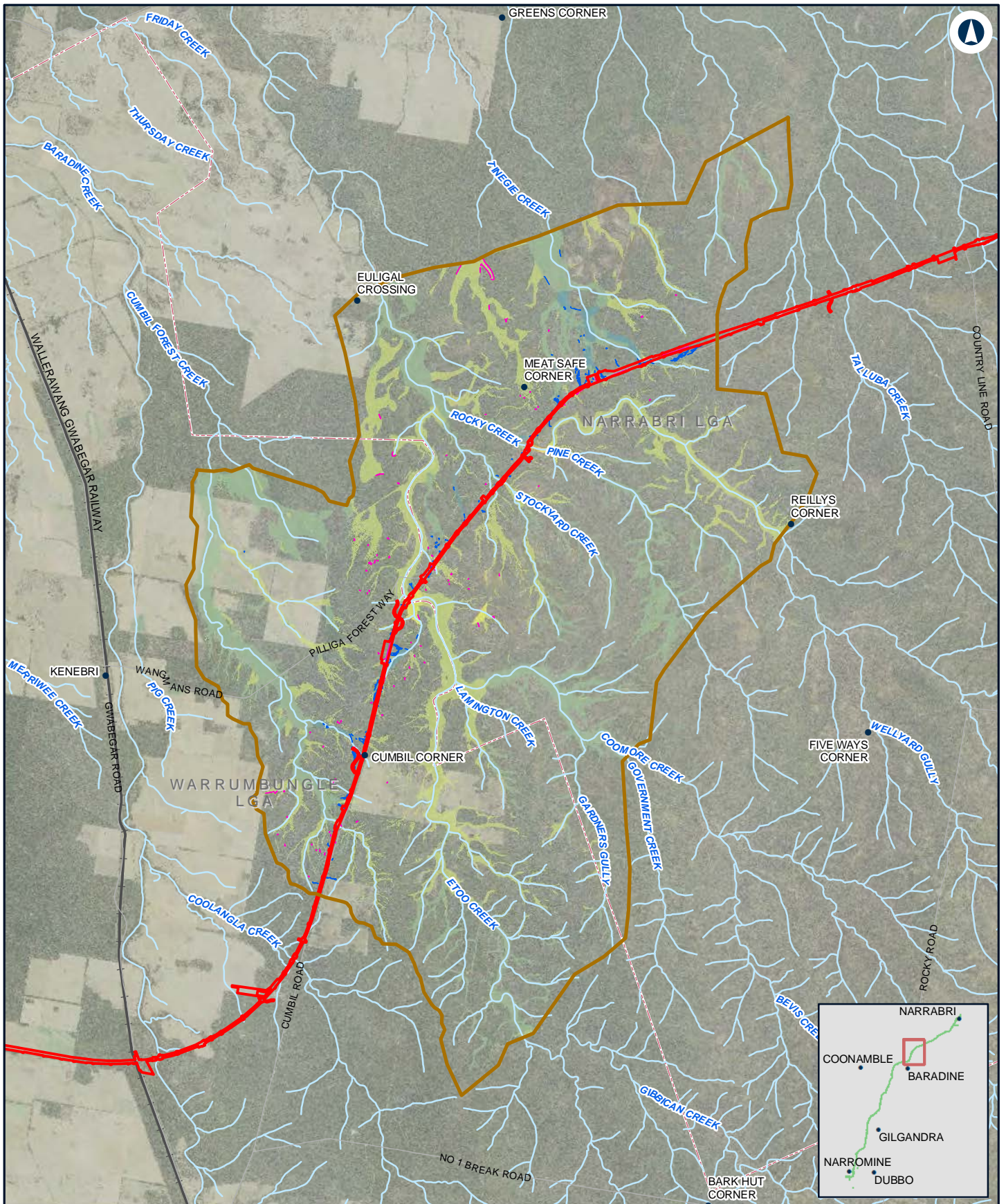
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

 	The proposal site	 	0.01 m - 0.05 m increase
 	Model boundary	 	0.05 m - 0.1 m increase
 	Afflux	 	0.1 m - 0.2 m increase
 	> 0.2m decrease	 	0.2 m - 0.5 m increase
 	0.01 m - 0.2 m decrease	 	> 0.5 m increase
 	0 m - 0.01 m decrease	 	Was dry now wet
 	0 m - 0.01 m increase	 	Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N6

Appendix G - Figure 1.4i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

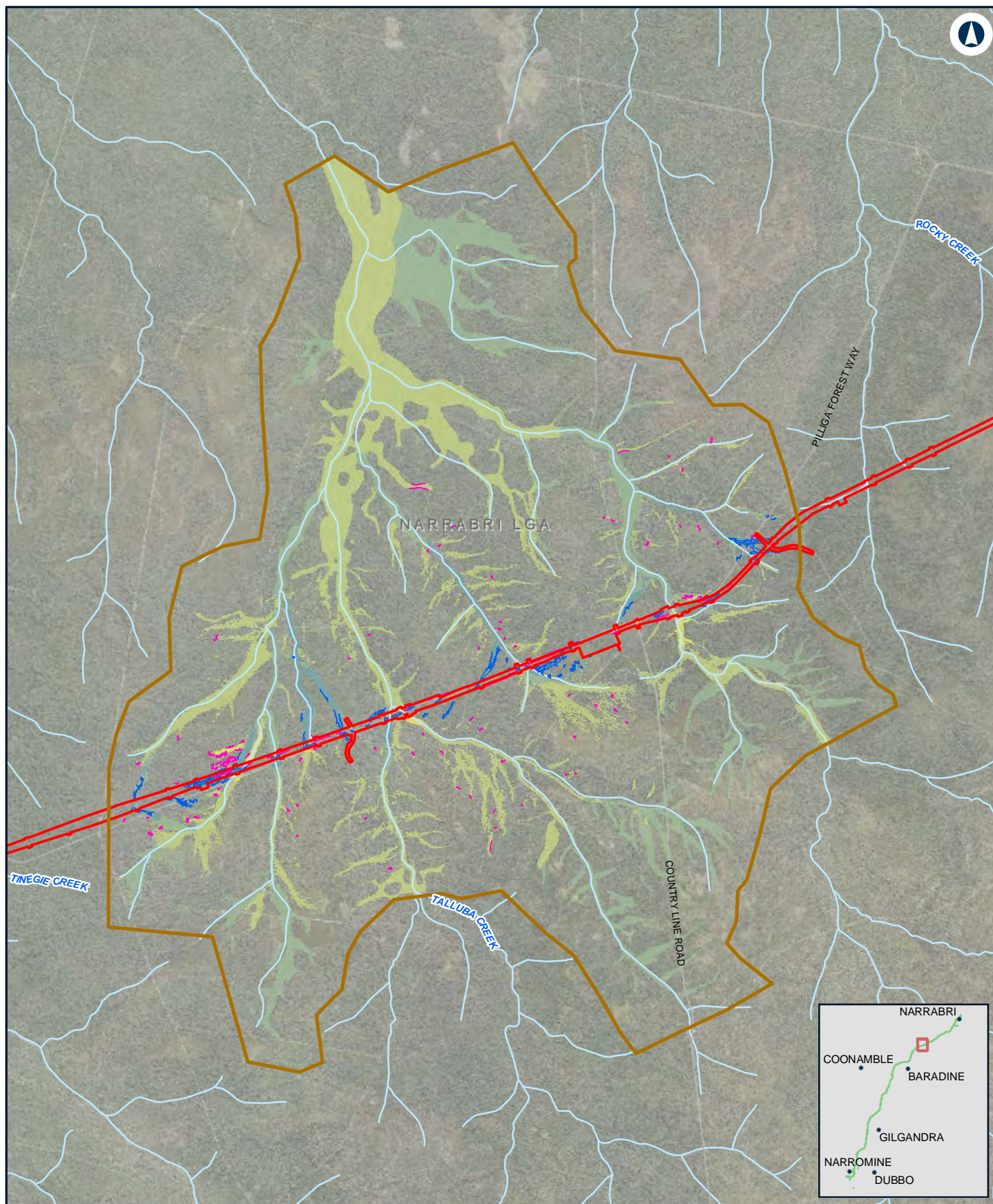
> 0.5 m increase

Was dry now wet

Was wet now dry

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0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:70,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

 > 0.2m decrease

 0.01 m - 0.2 m decrease

 0 m - 0.01 m decrease

 0 m - 0.01 m increase

 0.01 m - 0.05 m increase

 0.05 m - 0.1 m increase

 0.1 m - 0.2 m increase

 0.2 m - 0.5 m increase

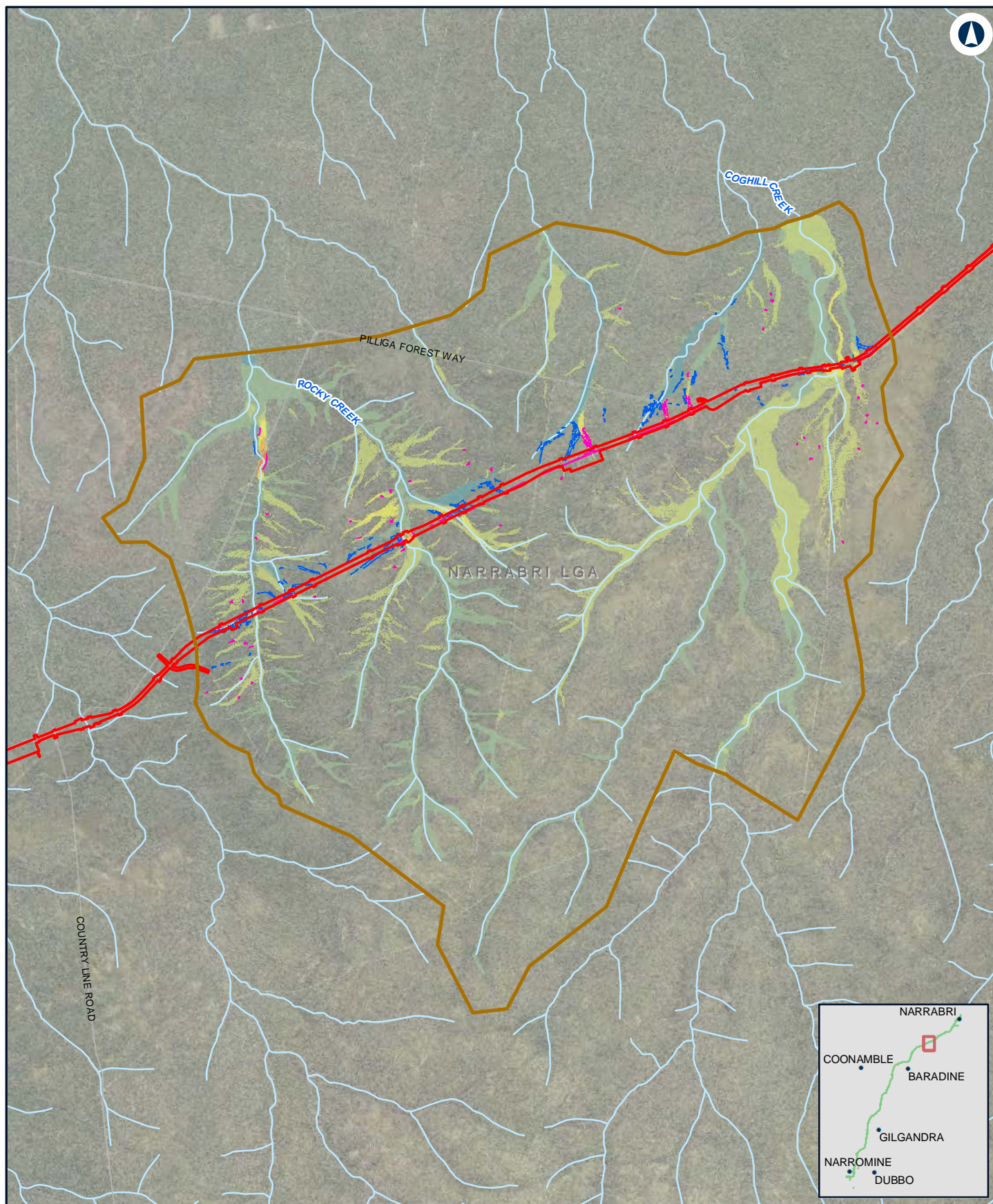
 > 0.5 m increase

 Was dry now wet

 Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N4

Appendix G - Figure 1.4k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:80,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

 > 0.2m decrease

 0.01 m - 0.2 m decrease

 0 m - 0.01 m decrease

 0 m - 0.01 m increase

 0.01 m - 0.05 m increase

 0.05 m - 0.1 m increase

 0.1 m - 0.2 m increase

 0.2 m - 0.5 m increase

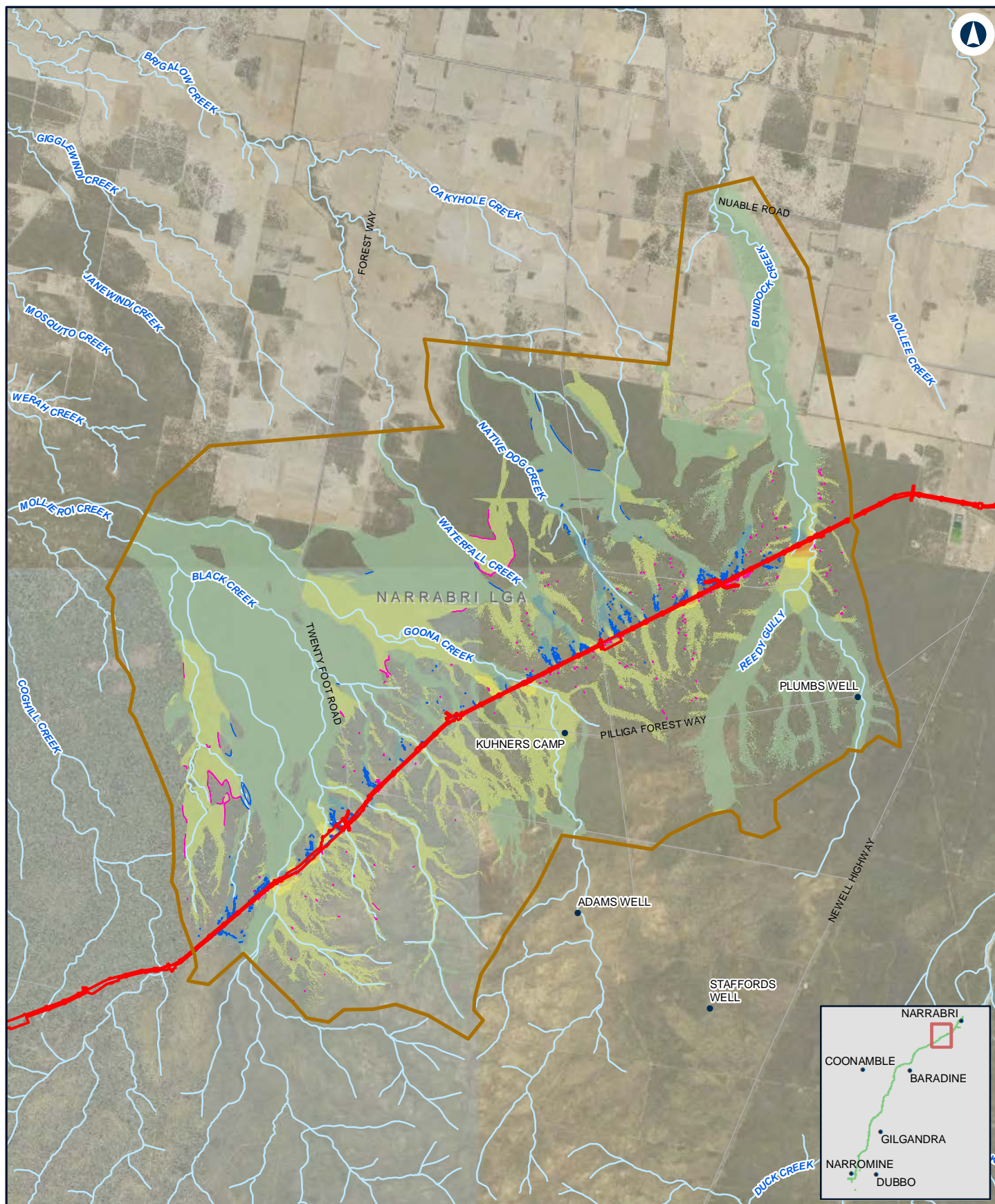
 > 0.5 m increase

 Was dry now wet

 Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N23

Appendix G - Figure 1.4I

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

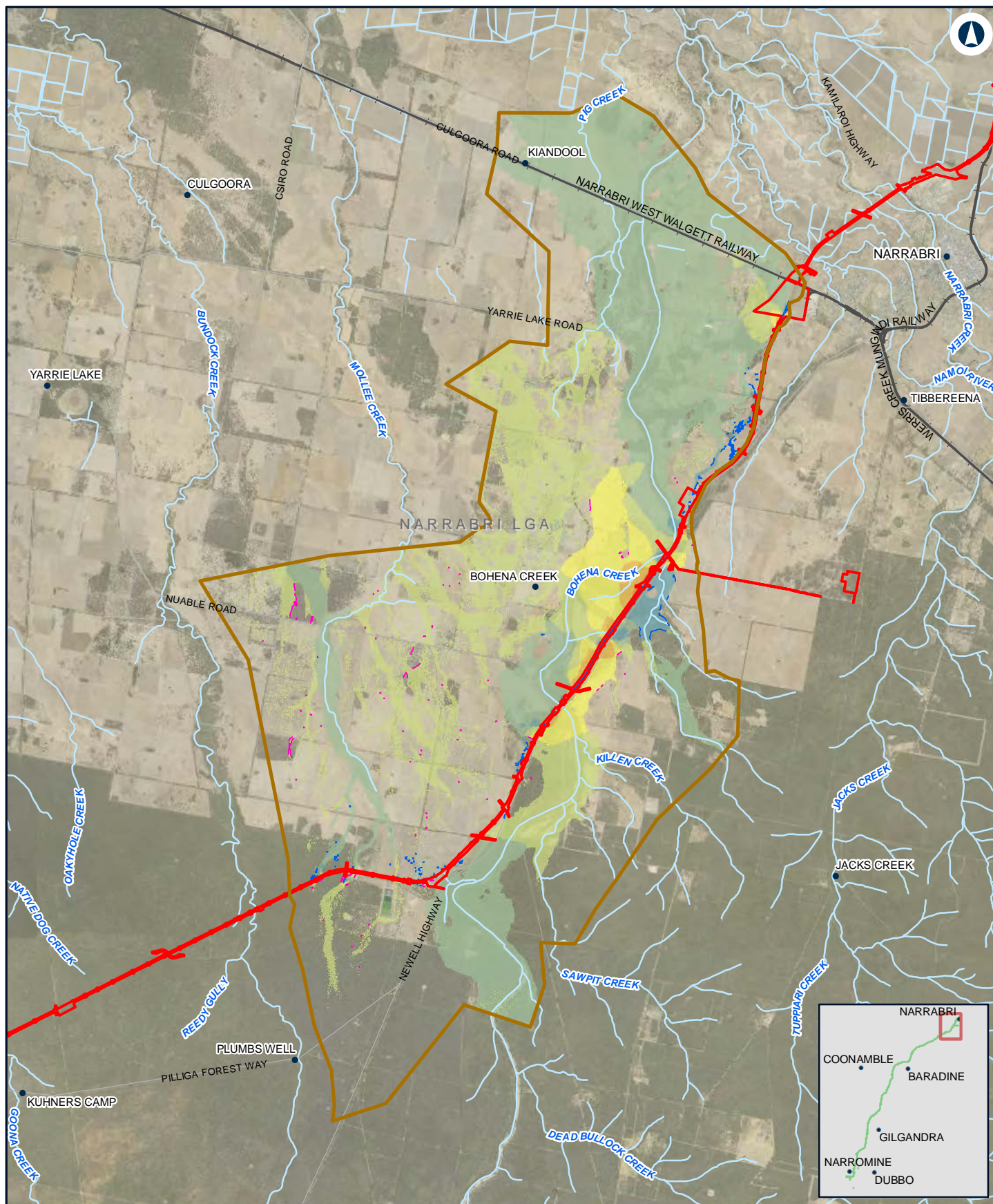
> 0.5 m increase

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - N2N1

Appendix G - Figure 1.4m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

 > 0.2m decrease

 0.01 m - 0.2 m decrease

 0 m - 0.01 m decrease

 0 m - 0.01 m increase

 0.01 m - 0.05 m increase

 0.05 m - 0.1 m increase

 0.1 m - 0.2 m increase

 0.2 m - 0.5 m increase

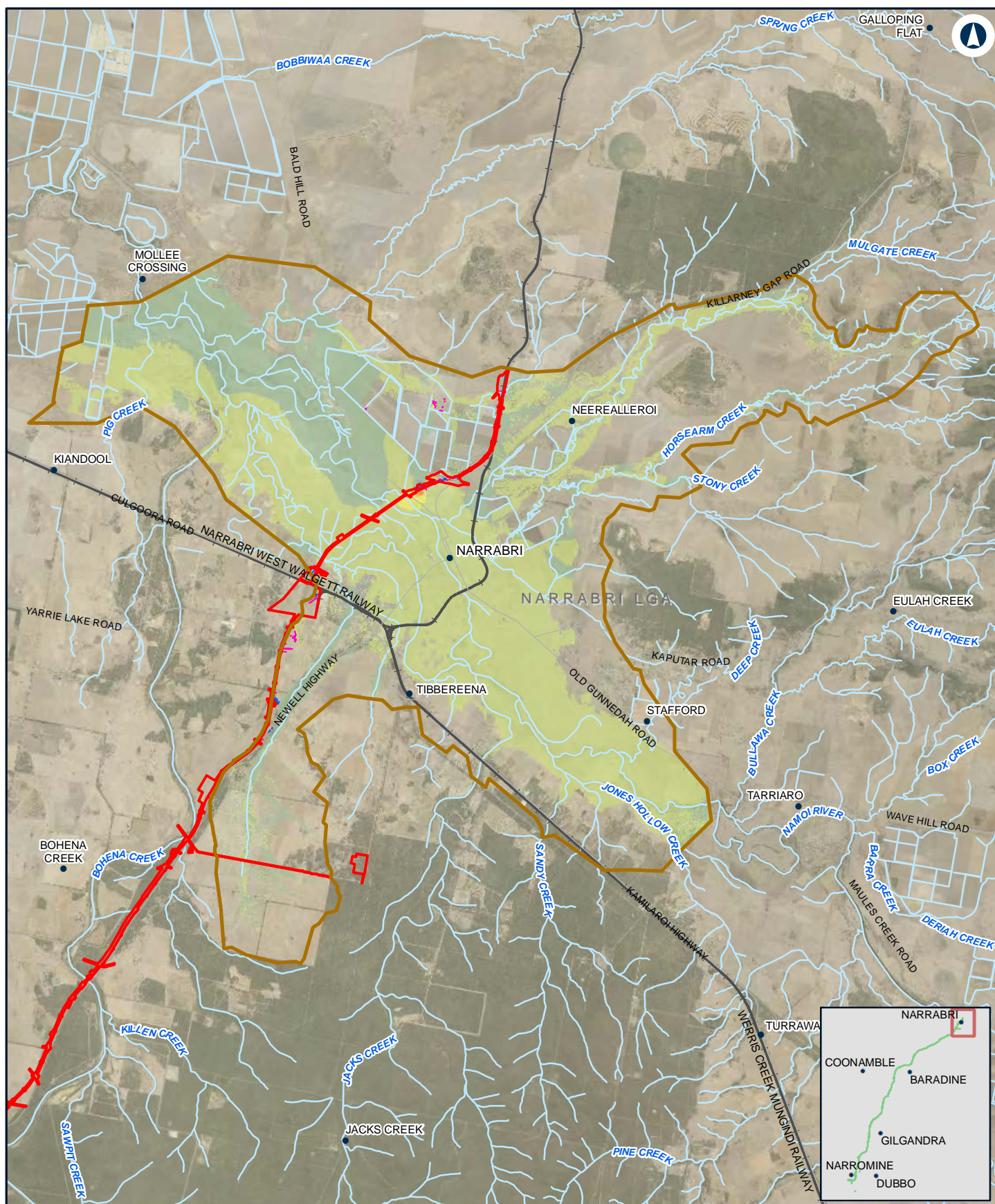
 > 0.5 m increase

 Was dry now wet

 Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP - Narrabri

Appendix G - Figure 1.4n

0 2 4
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

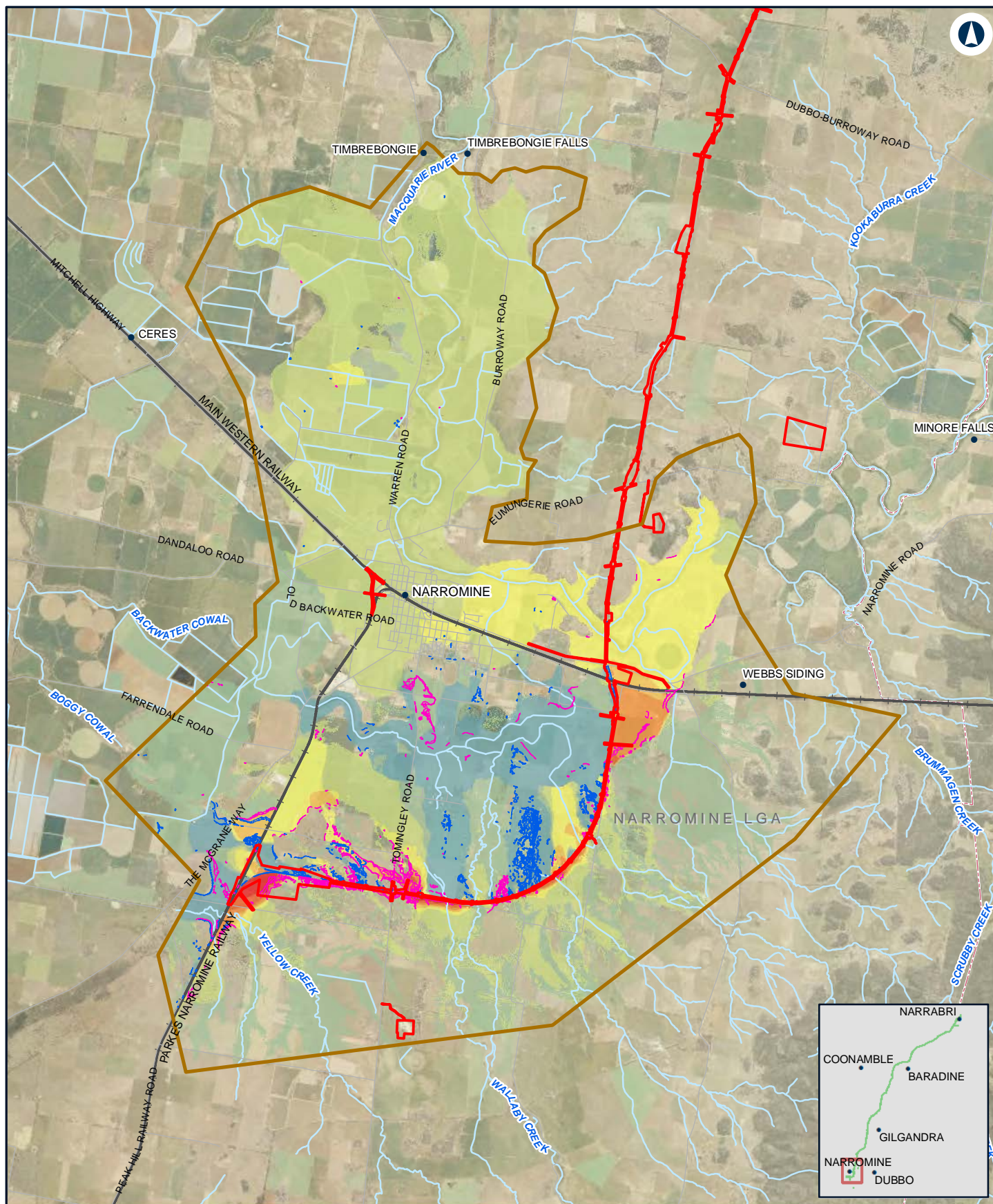
> 0.5 m increase

Was dry now wet

Was wet now dry

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0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

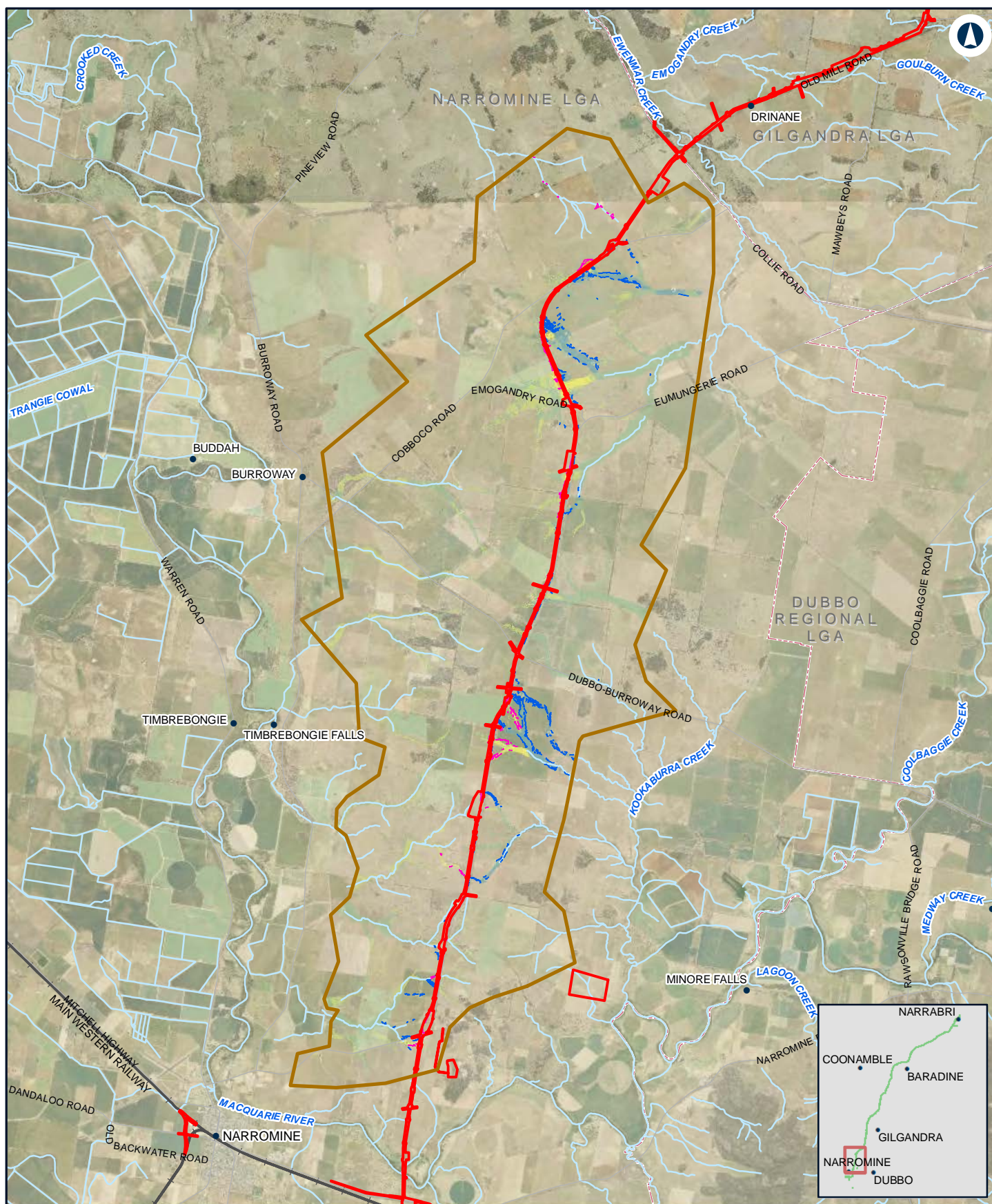
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N14

Appendix G - Figure 1.5b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

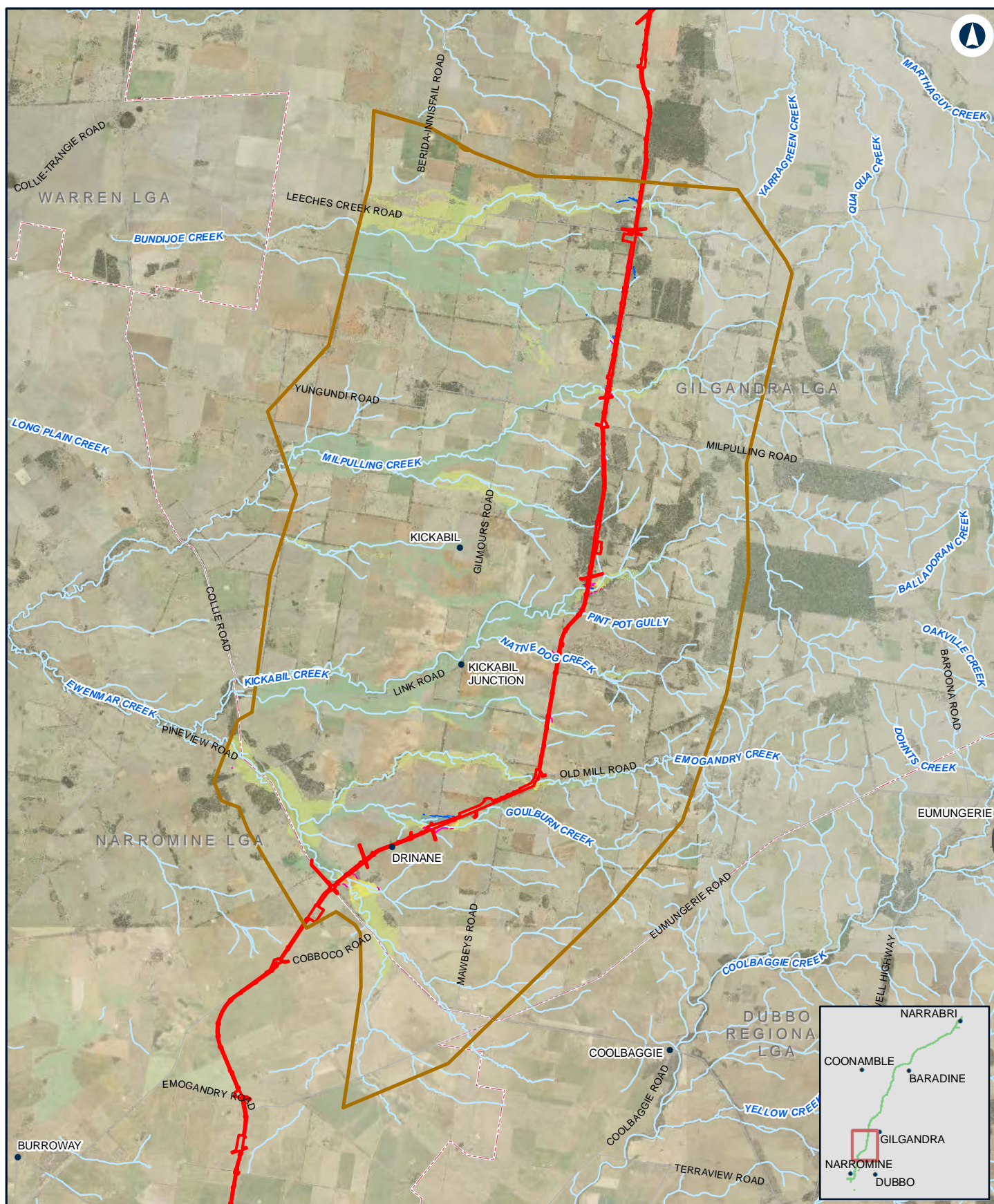
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N13

Appendix G - Figure 1.5c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:180,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

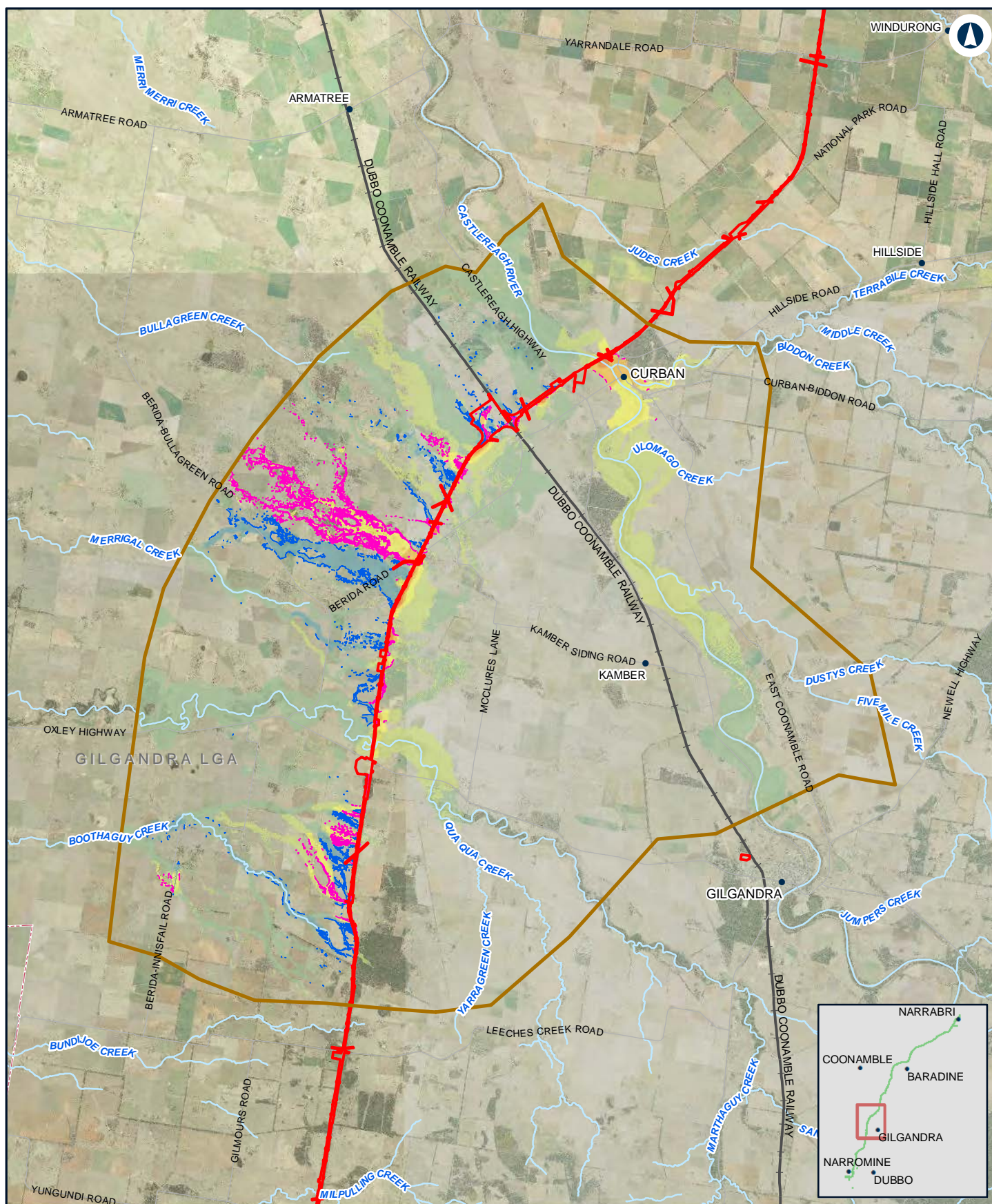
Afflux wet dry

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N11N12Appendix G - Figure 1.5d

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020 Paper: A4
Author: JacobsGHD Scale: 1:200,000

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

LEGEND

- The proposal site
- Model boundary

Afflux

- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase

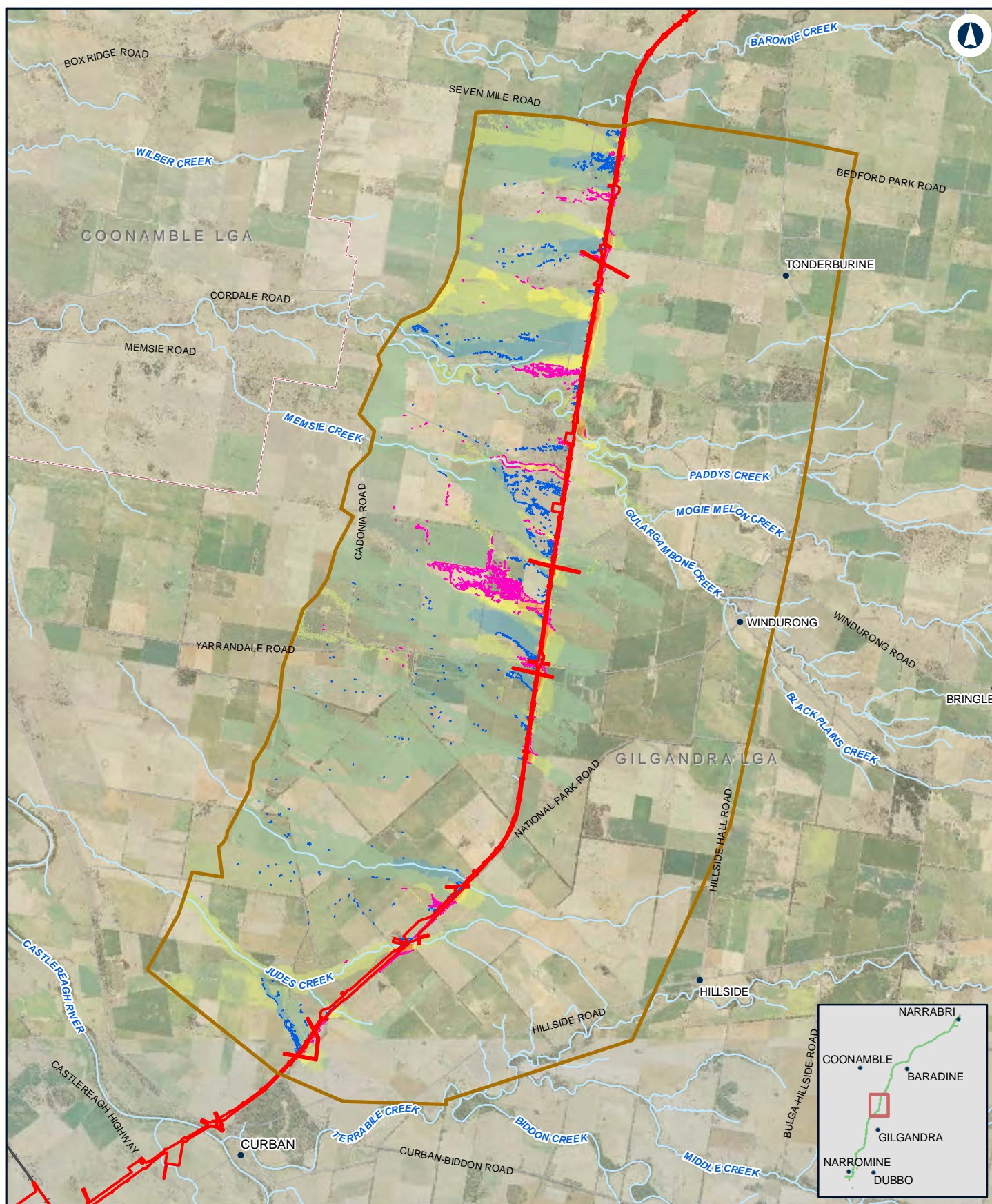
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase

Afflux wet dry

- Was dry now wet
- Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N10

Appendix G - Figure 1.5e

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:130,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

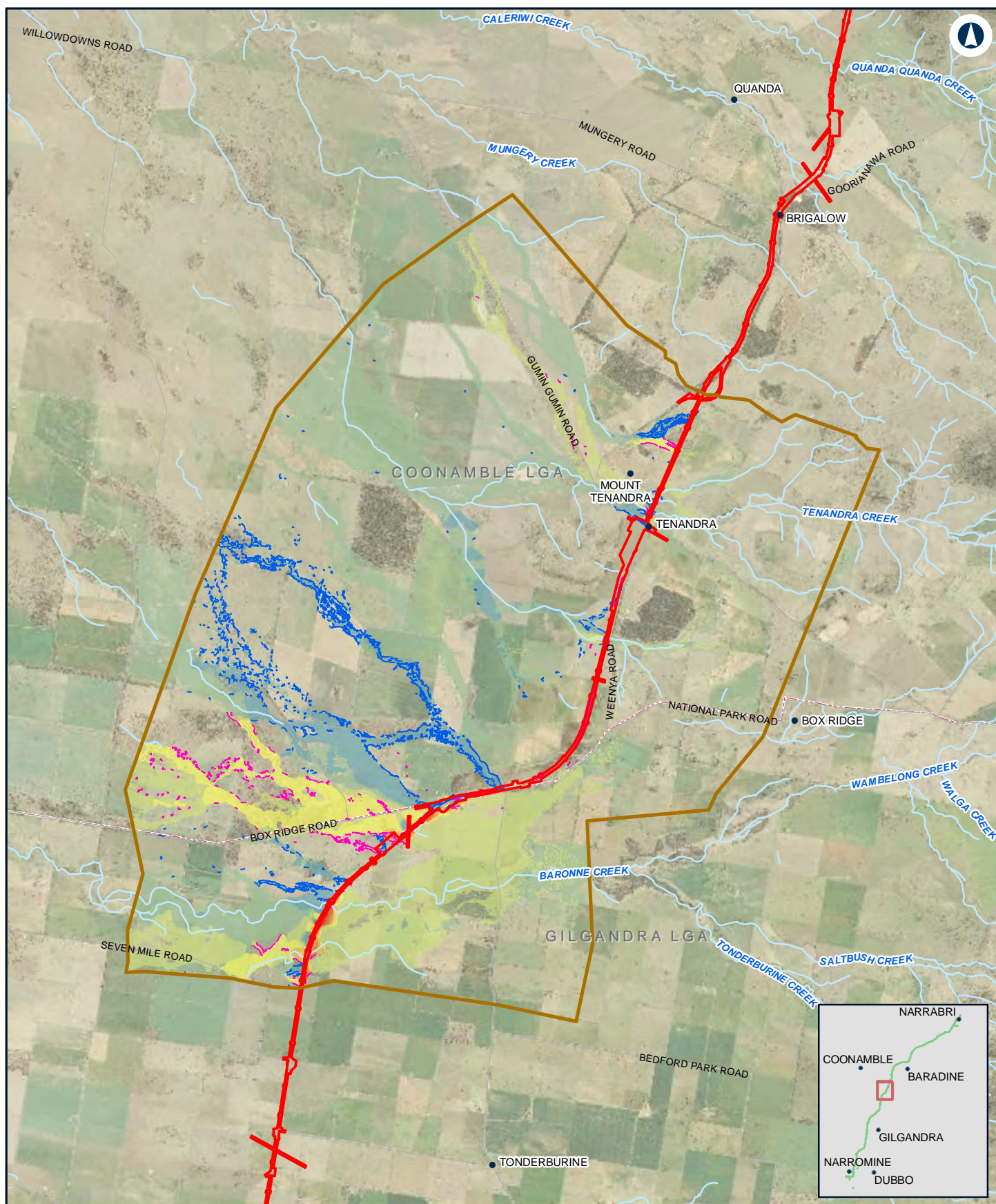
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N9

Appendix G - Figure 1.5f

0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020 Paper: A4
Author: JacobsGHD Scale: 1:110,000

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

LEGEND

- The proposal site
- Model boundary

Afflux

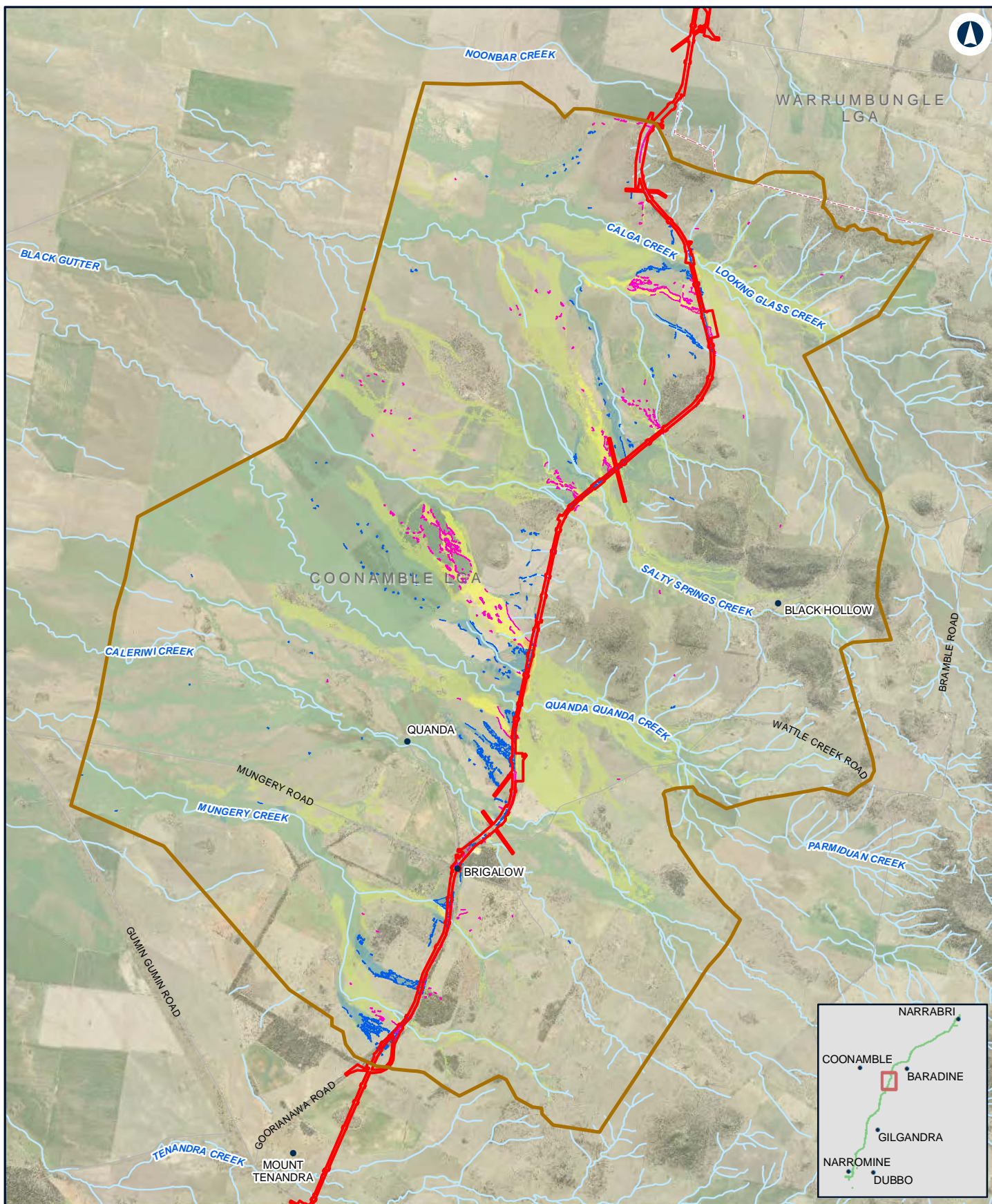
- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase

Afflux wet dry

- Was dry now wet
- Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N8

Appendix G - Figure 1.5g

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:100,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

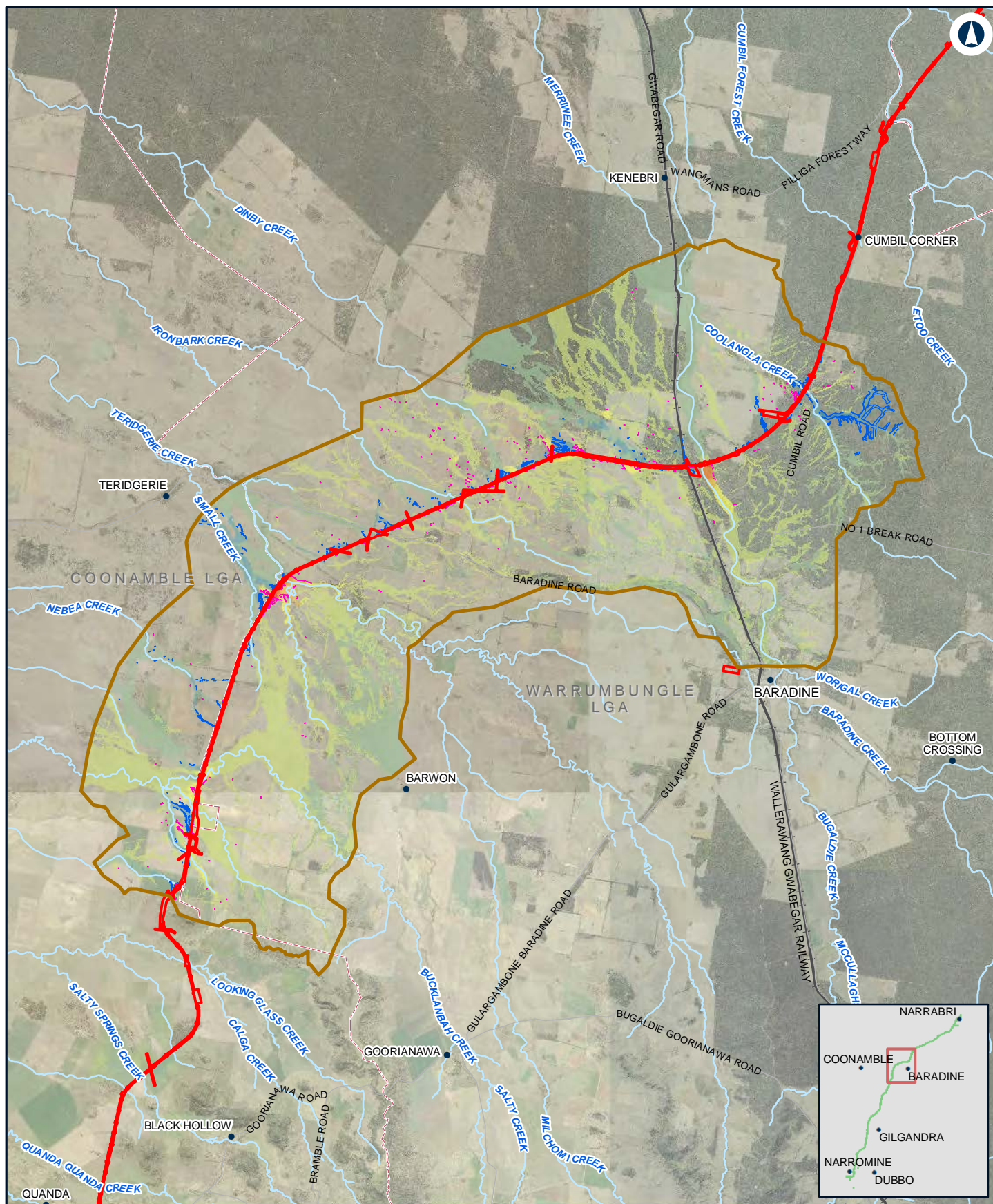
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N7

Appendix G - Figure 1.5h

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

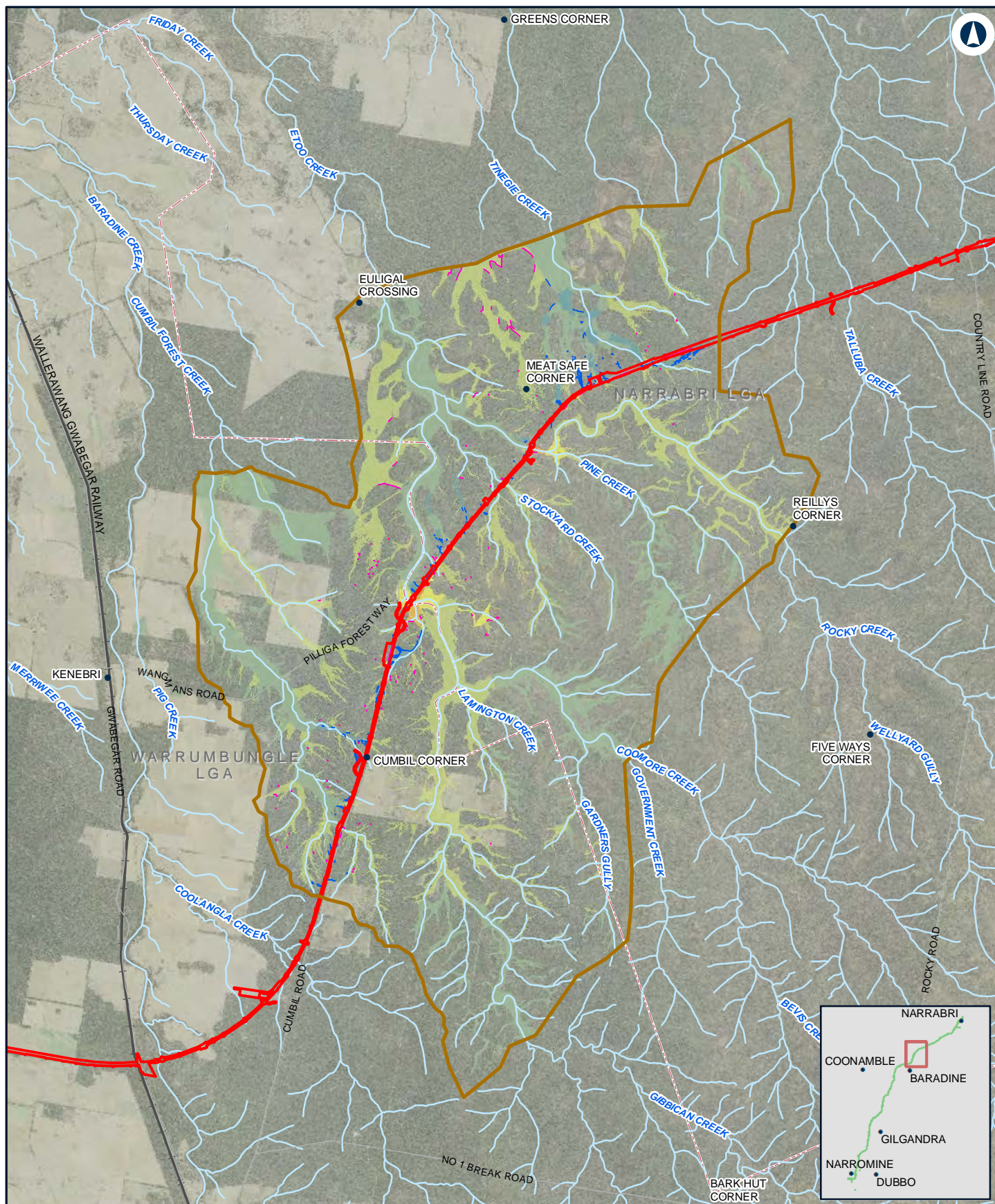
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N6

Appendix G - Figure 1.5i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

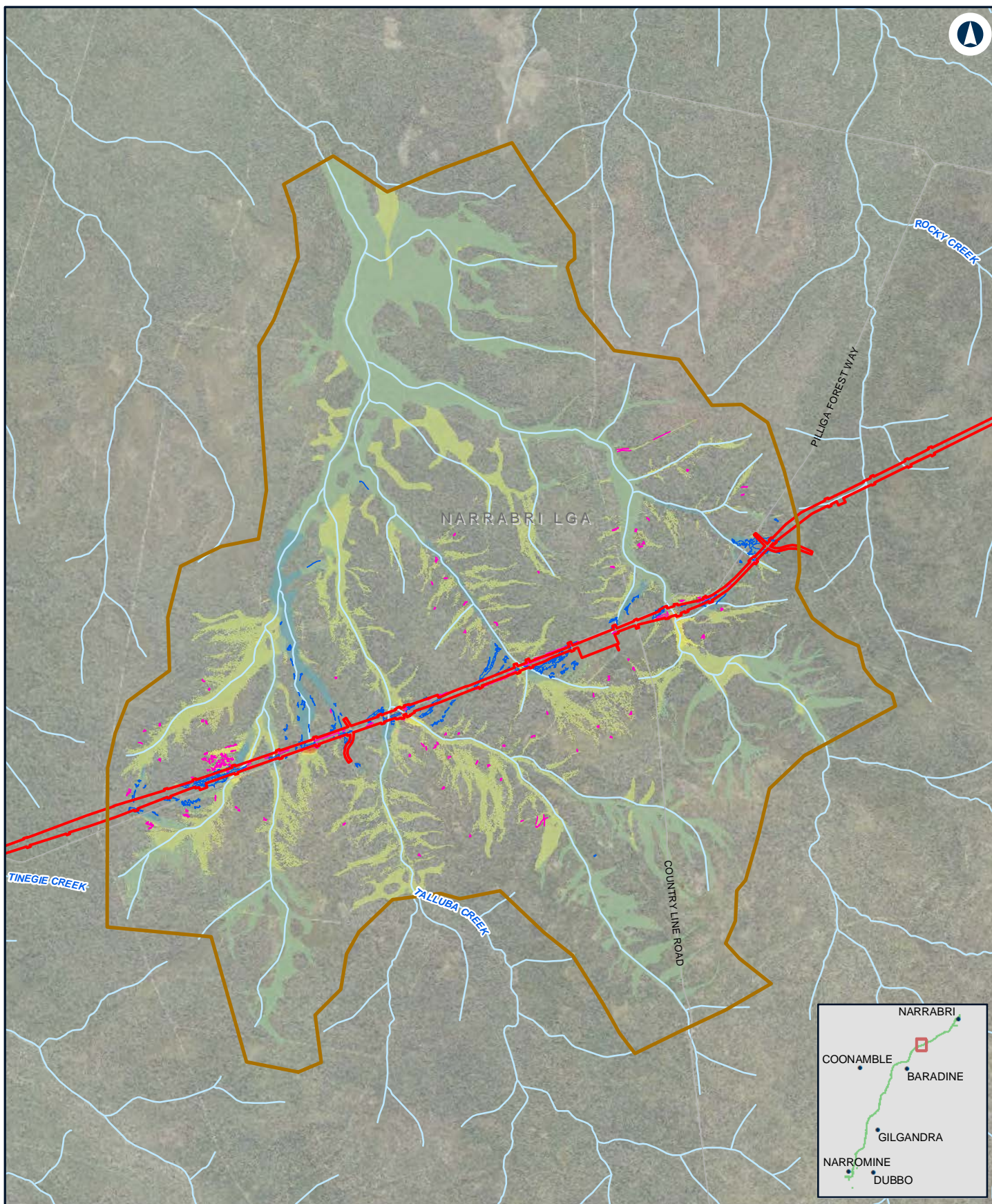
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N5

Appendix G - Figure 1.5j

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:70,000

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

LEGEND

- The proposal site
- Model boundary

Afflux

- > 0.2m decrease
- 0.01 m - 0.2 m decrease
- 0 m - 0.01 m decrease
- 0 m - 0.01 m increase
- 0.01 m - 0.05 m increase

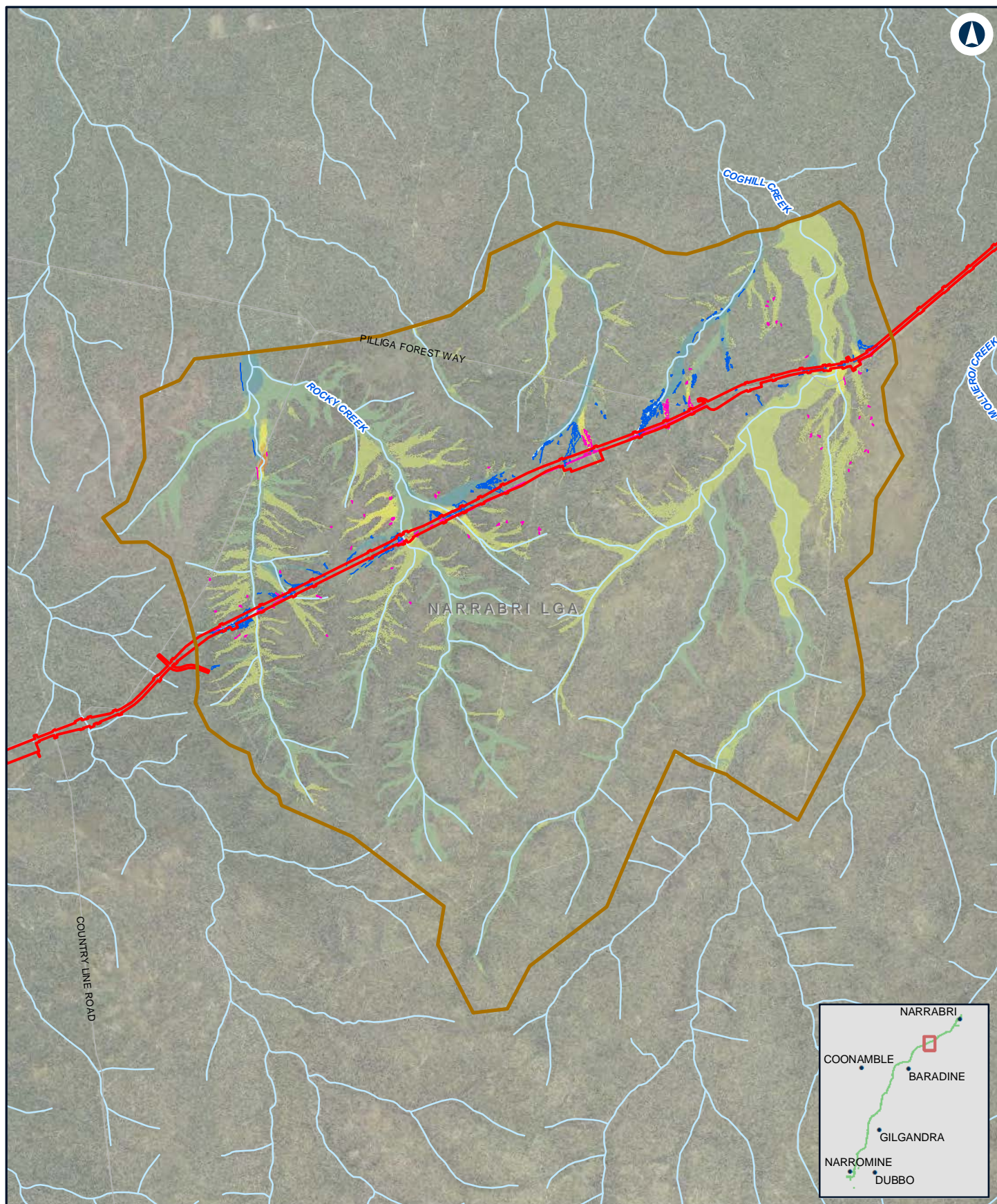
- 0.05 m - 0.1 m increase
- 0.1 m - 0.2 m increase
- 0.2 m - 0.5 m increase
- > 0.5 m increase

Afflux wet dry

- Was dry now wet
- Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N4

Appendix G - Figure 1.5k

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:80,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

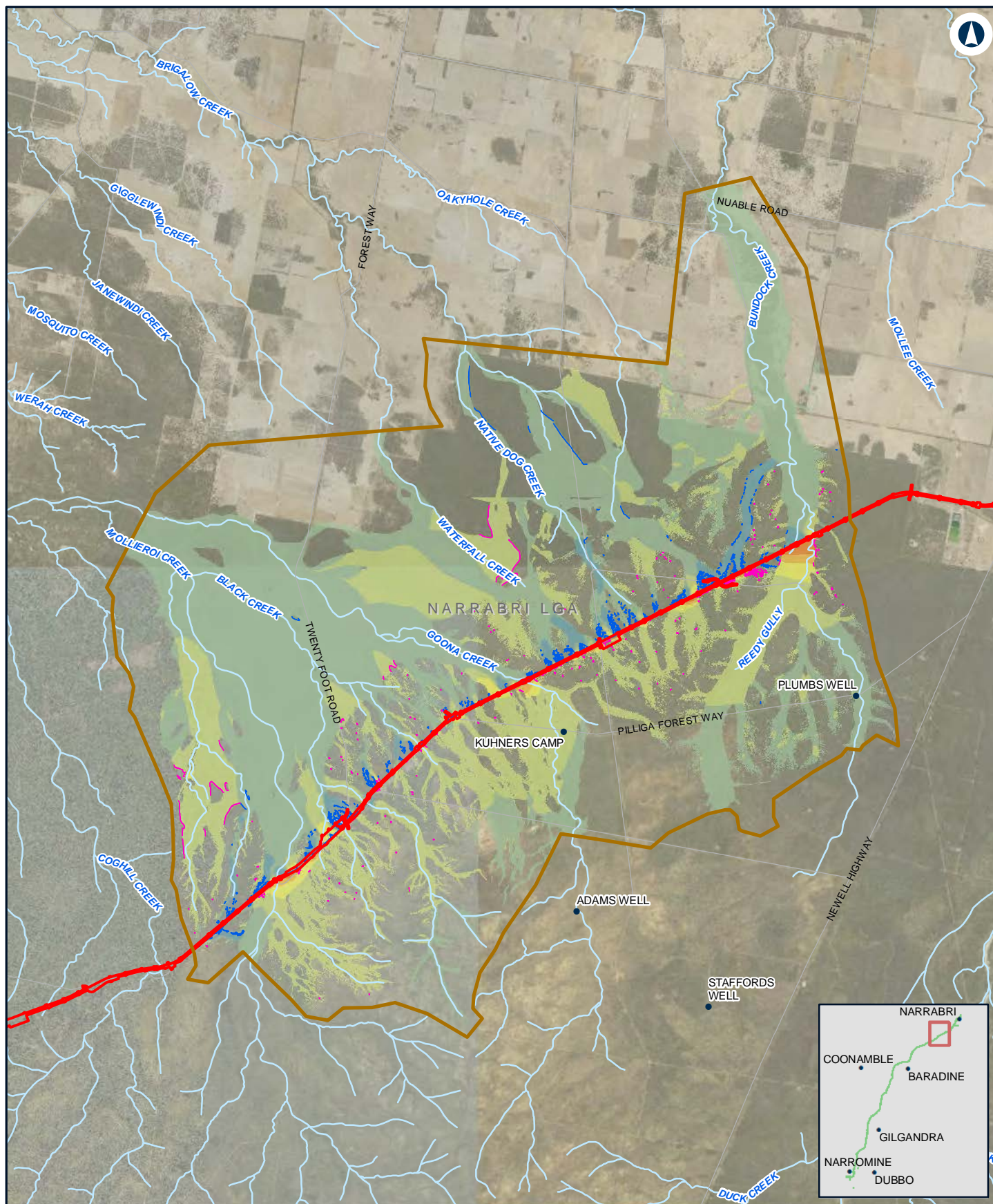
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

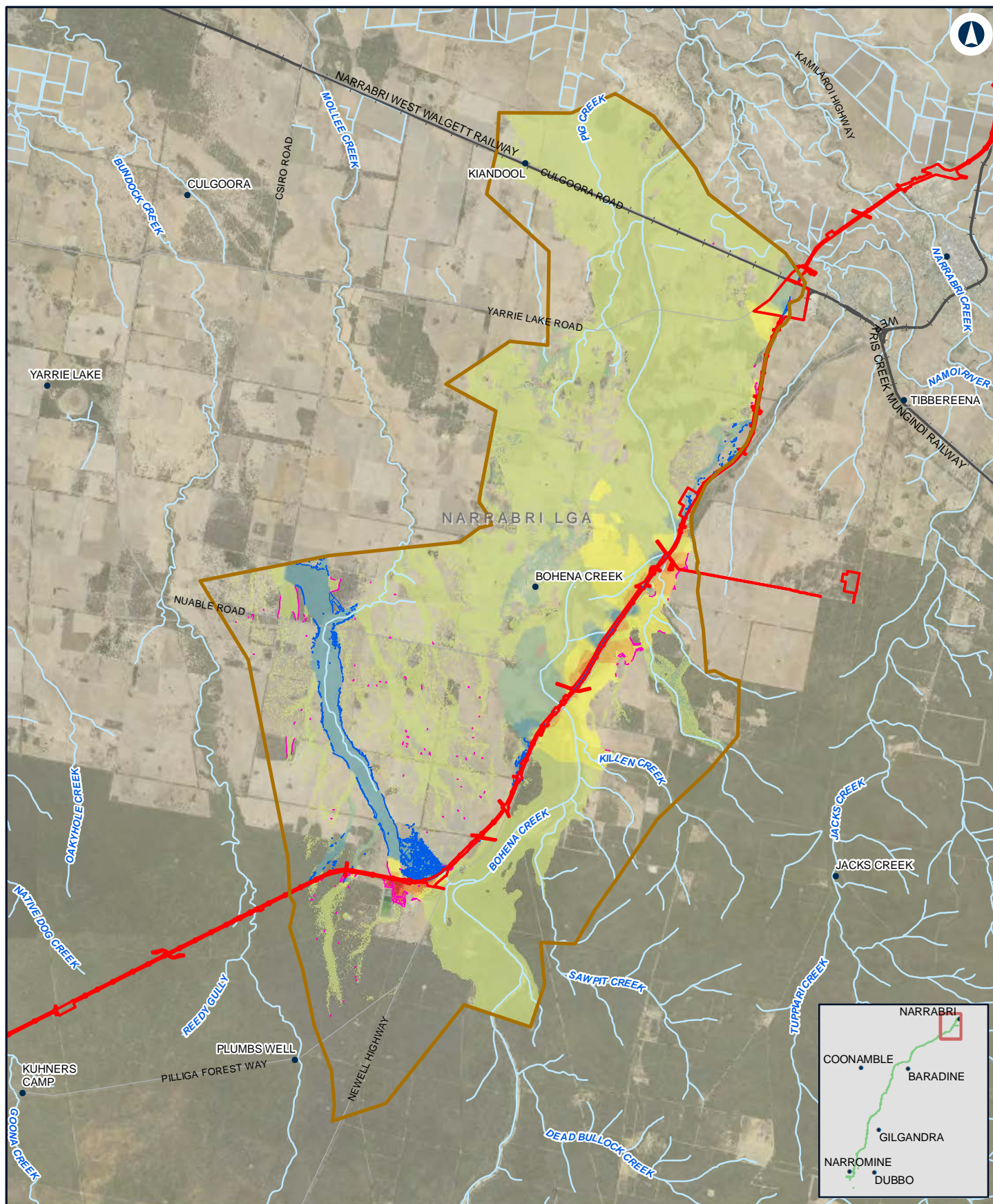
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - N2N1

Appendix G - Figure 1.5m

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

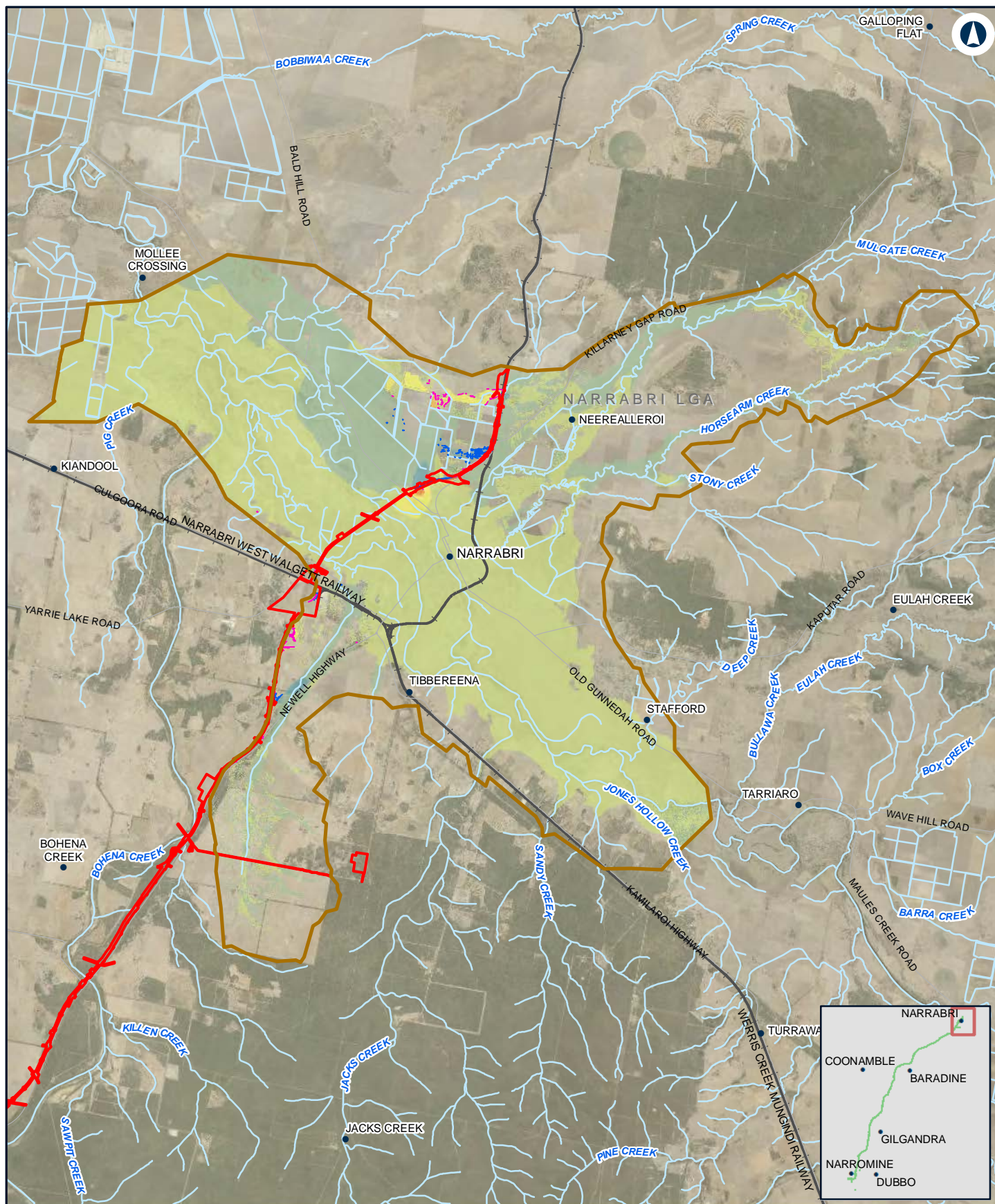
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 1% AEP with climate change - Narrabri

Appendix G - Figure 1.5n

0 2 4
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:160,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

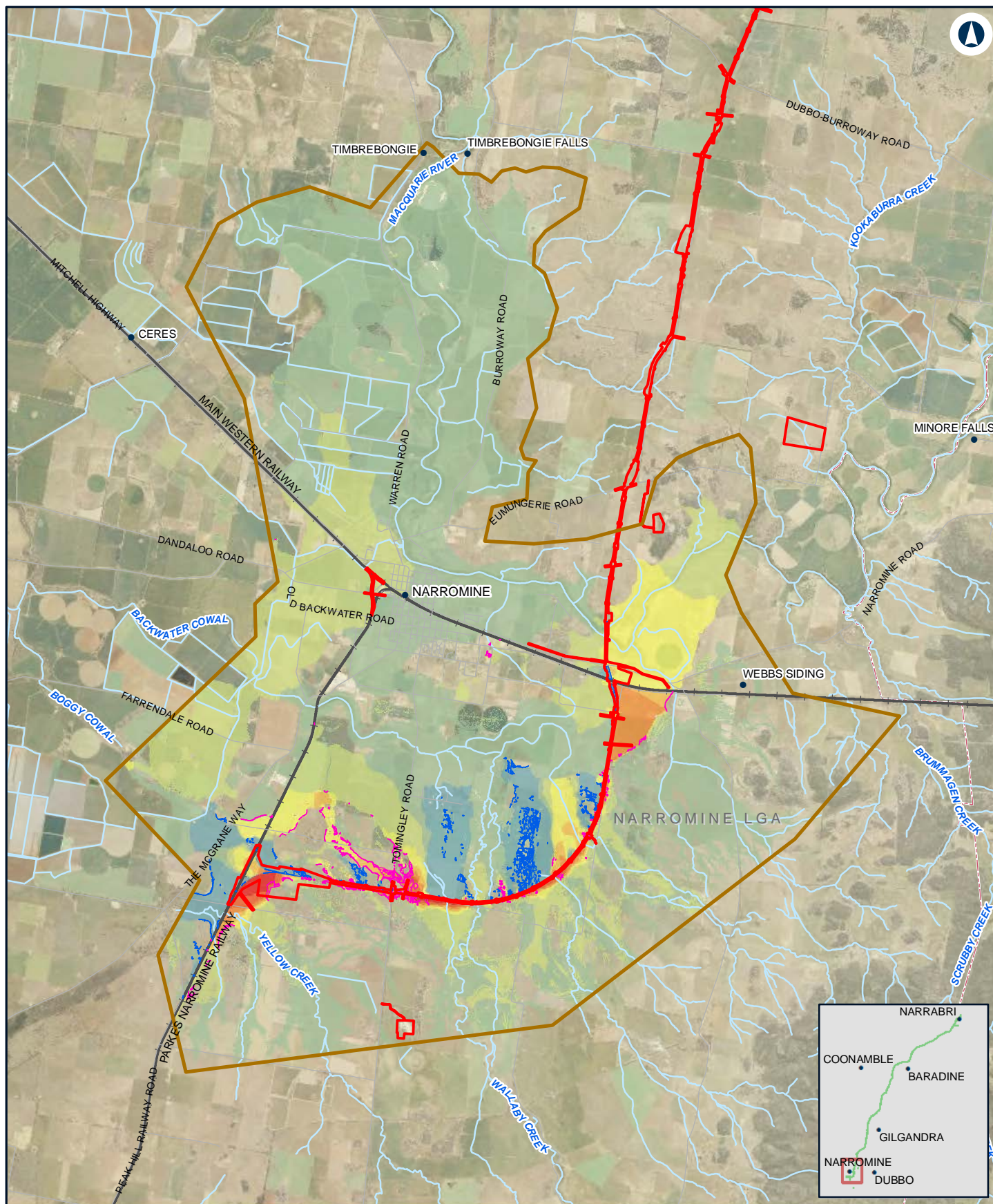
Afflux wet dry

Was dry now wet

Was wet now dry

INLAND RAIL **ARTC**

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0 1.5 3 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:140,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

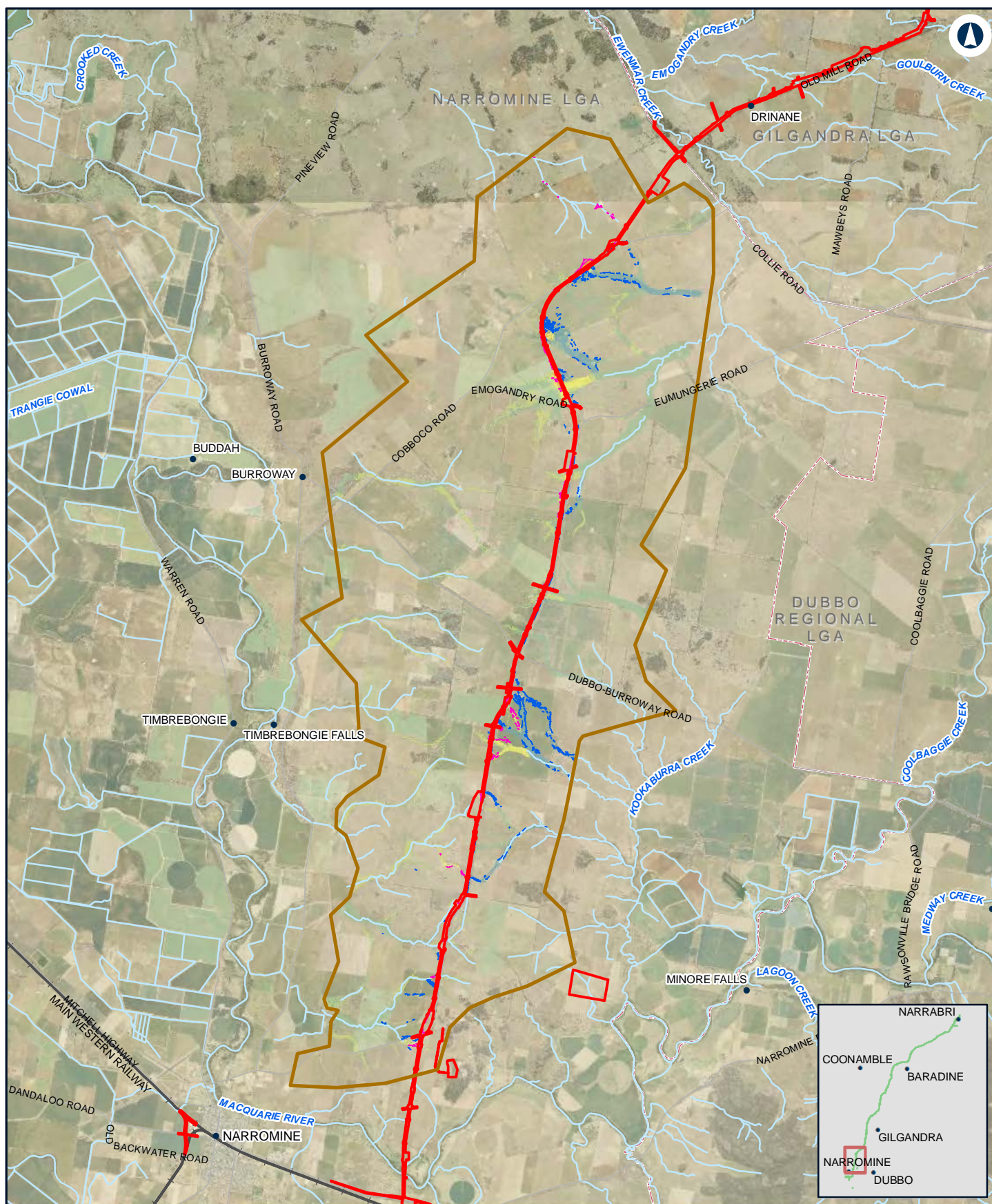
> 0.5 m increase

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 0.5% AEP - N2N14

Appendix G - Figure 1.6b

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

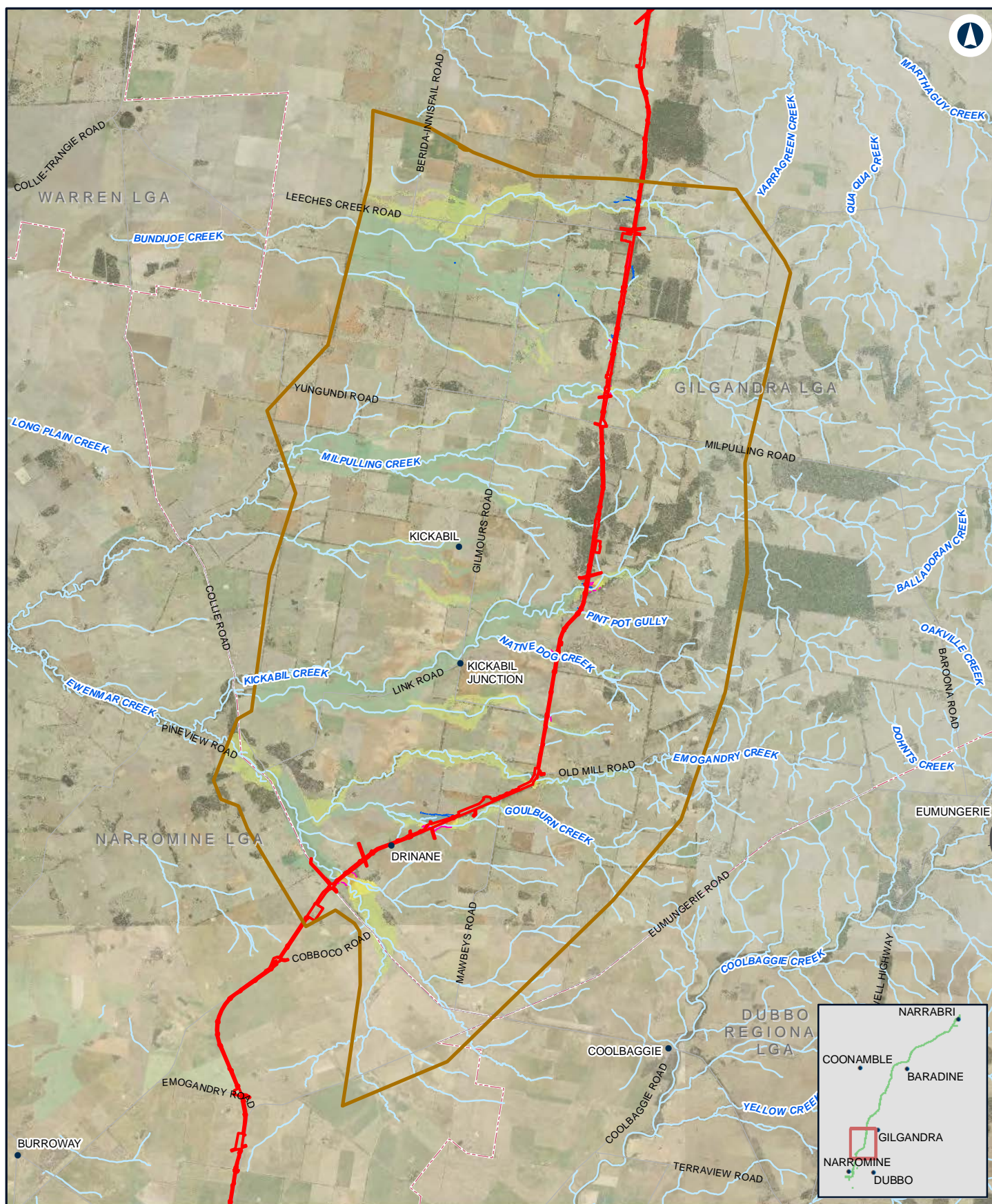
> 0.5 m increase

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 0.5% AEP - N2N13

Appendix G - Figure 1.6c

0 2.5 5 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:180,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

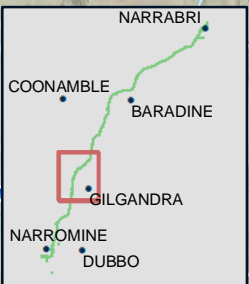
> 0.5 m increase

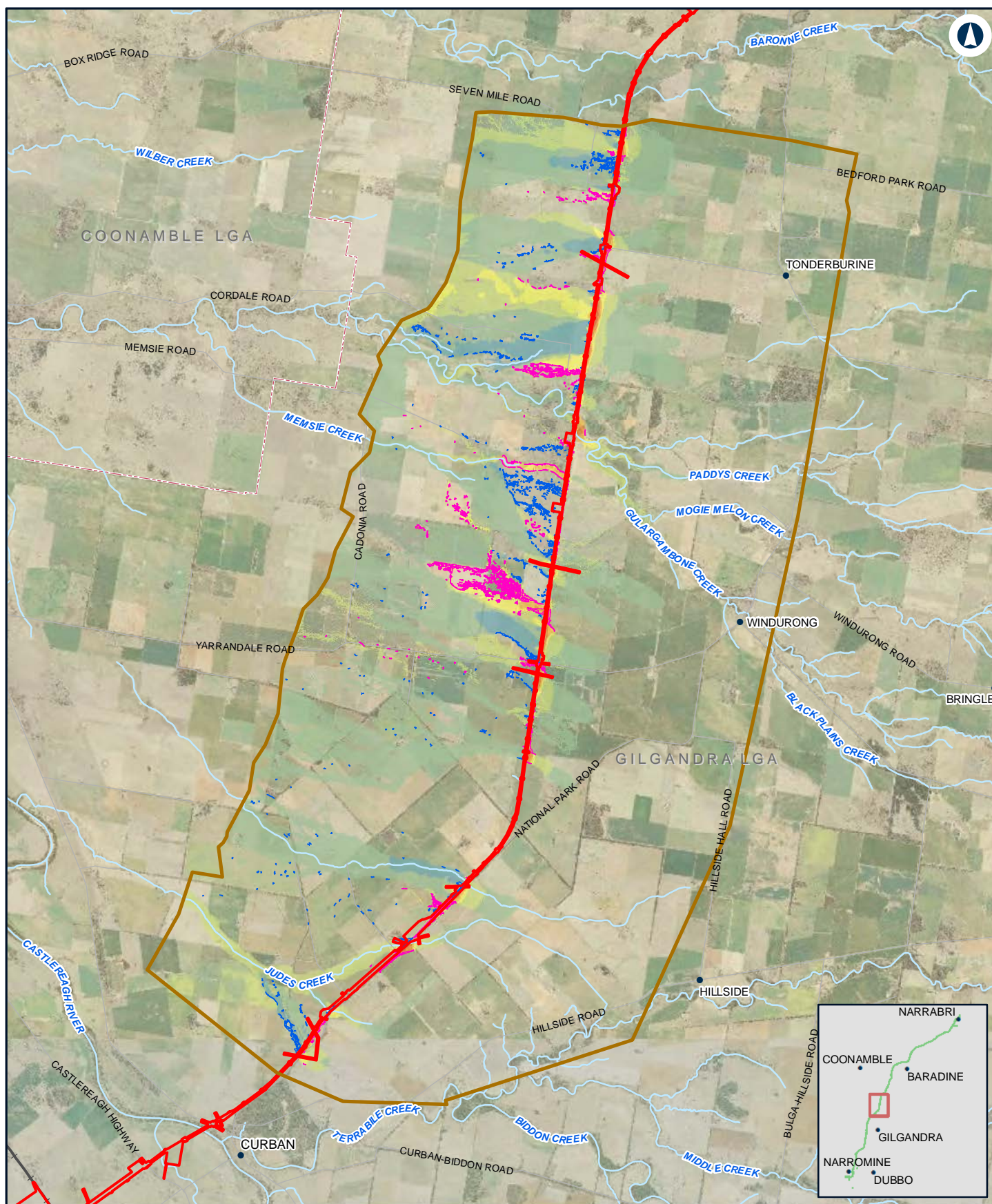
Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 0.5% AEP - N2N10

Appendix G - Figure 1.6e

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:130,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

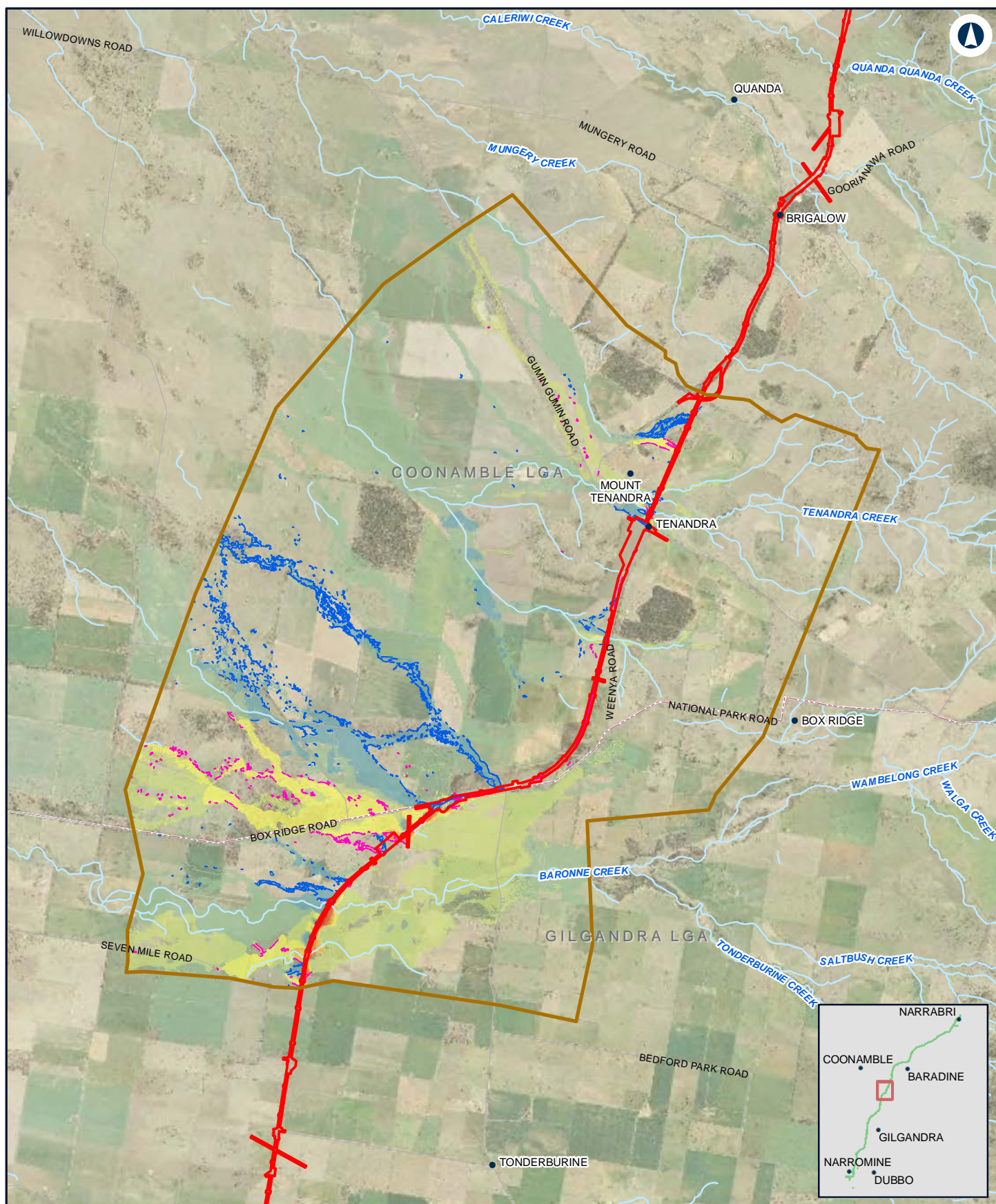
> 0.5 m increase

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 0.5% AEP - N2N9

Appendix G - Figure 1.6f

0 1.5 3
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:110,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

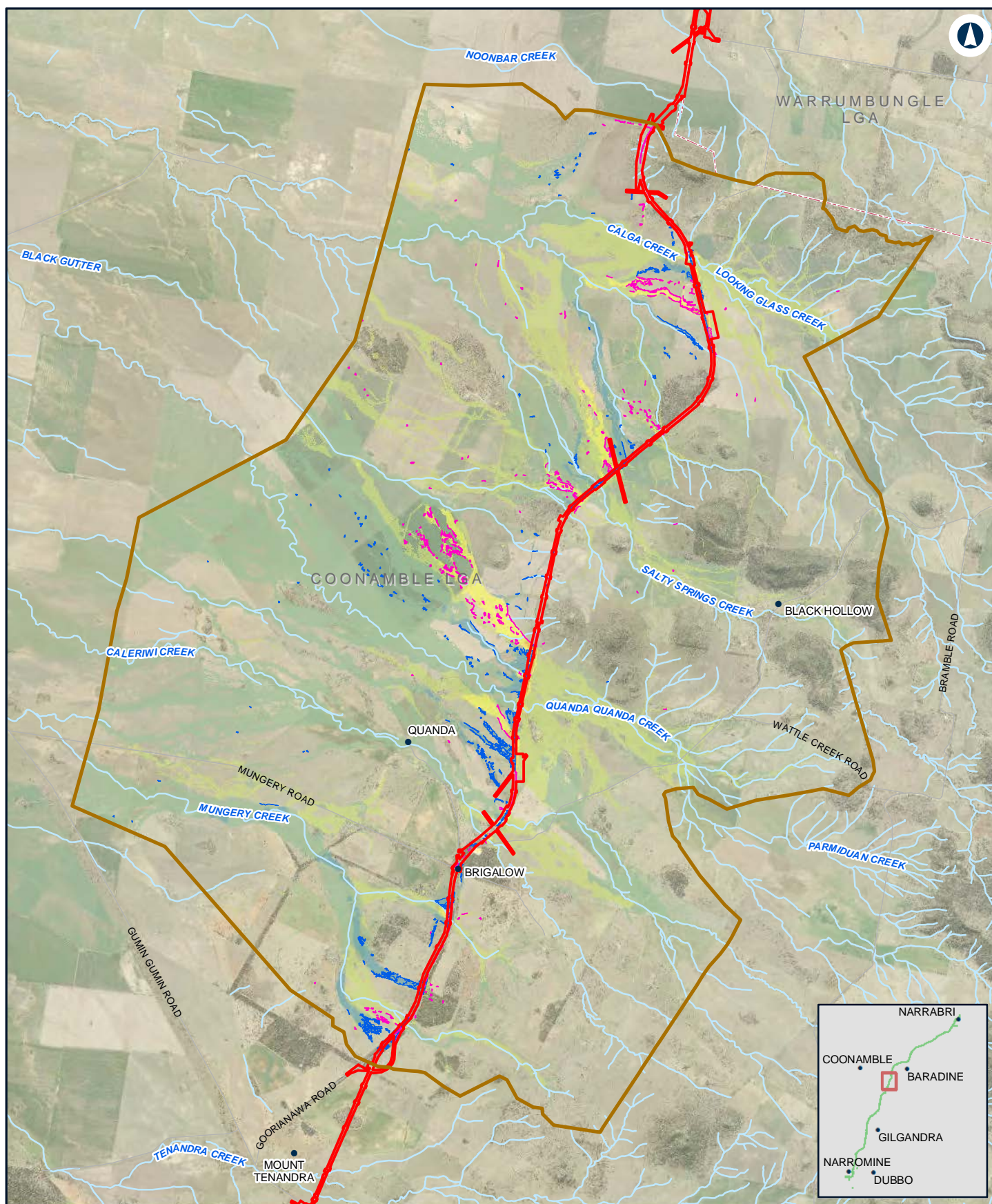
> 0.5 m increase

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 0.5% AEP - N2N8

Appendix G - Figure 1.6g

0 1 2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:100,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

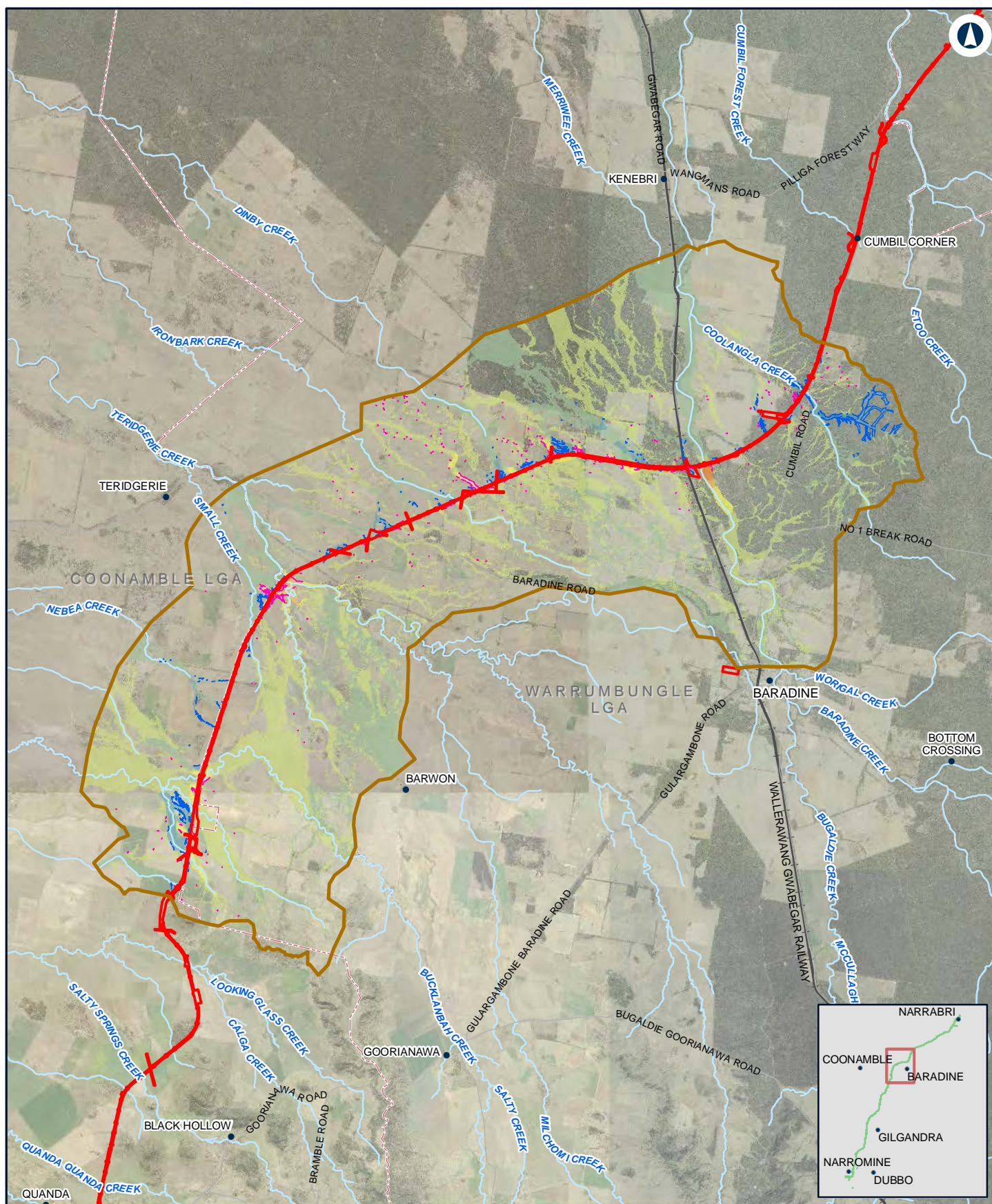
> 0.5 m increase

Was dry now wet

Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 0.5% AEP - N2N7

Appendix G - Figure 1.6h

0 2.5 5
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:200,000

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

LEGEND

 The proposal site

 Model boundary

Afflux

 > 0.2m decrease

 0.01 m - 0.2 m decrease

 0 m - 0.01 m decrease

 0 m - 0.01 m increase

 0.01 m - 0.05 m increase

 0.05 m - 0.1 m increase

 0.1 m - 0.2 m increase

 0.2 m - 0.5 m increase

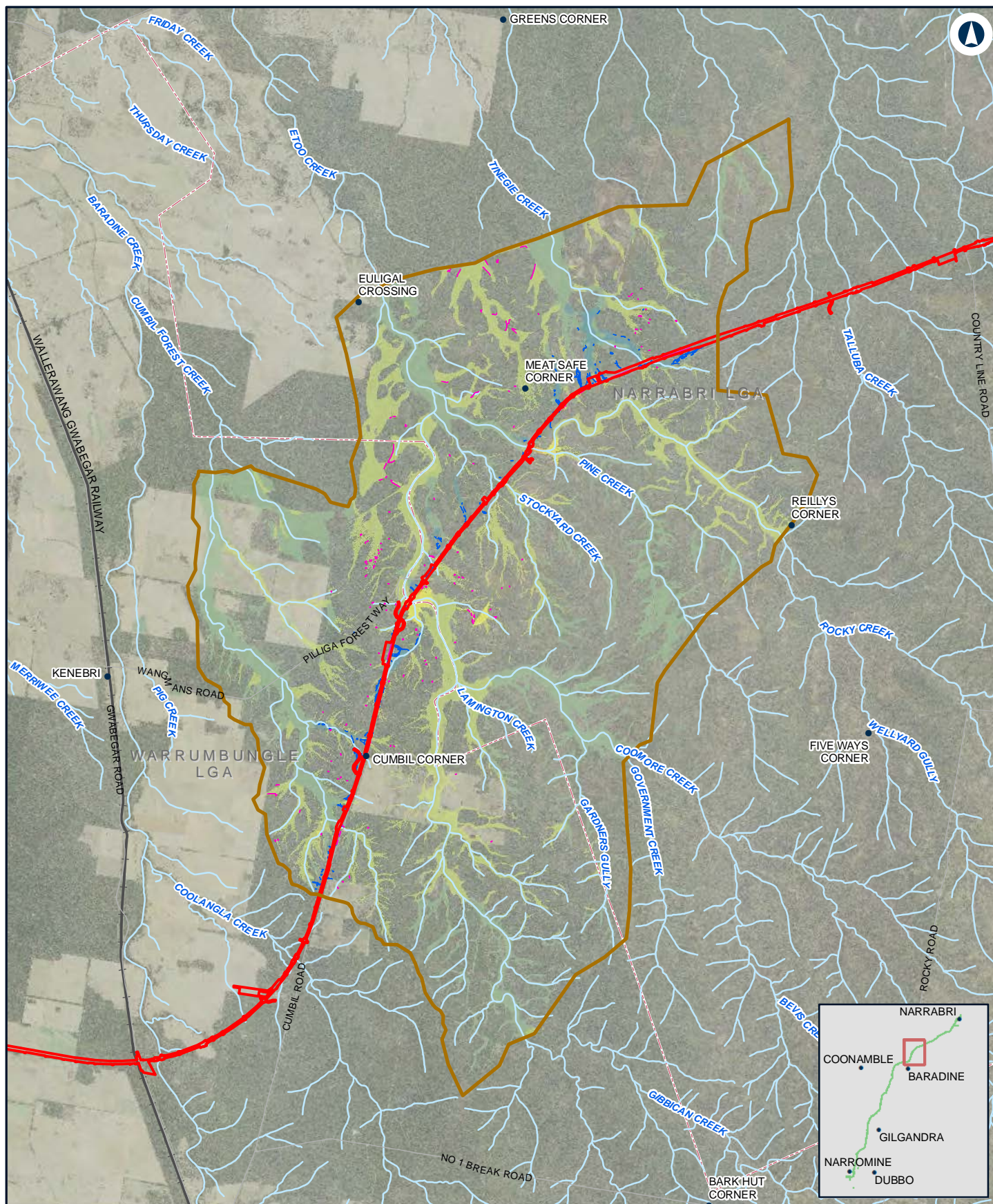
 > 0.5 m increase

 Was dry now wet

 Was wet now dry

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NARROMINE TO NARRABRI

Change in peak flood level (afflux) - 0.5% AEP - N2N6

Appendix G - Figure 1.6i

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 4/11/2020

Paper: A4

Author: JacobsGHD

Scale: 1:150,000

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

LEGEND

The proposal site

Model boundary

Afflux

> 0.2m decrease

0.01 m - 0.2 m decrease

0 m - 0.01 m decrease

0 m - 0.01 m increase

0.01 m - 0.05 m increase

0.05 m - 0.1 m increase

0.1 m - 0.2 m increase

0.2 m - 0.5 m increase

> 0.5 m increase

Was dry now wet

Was wet now dry

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