

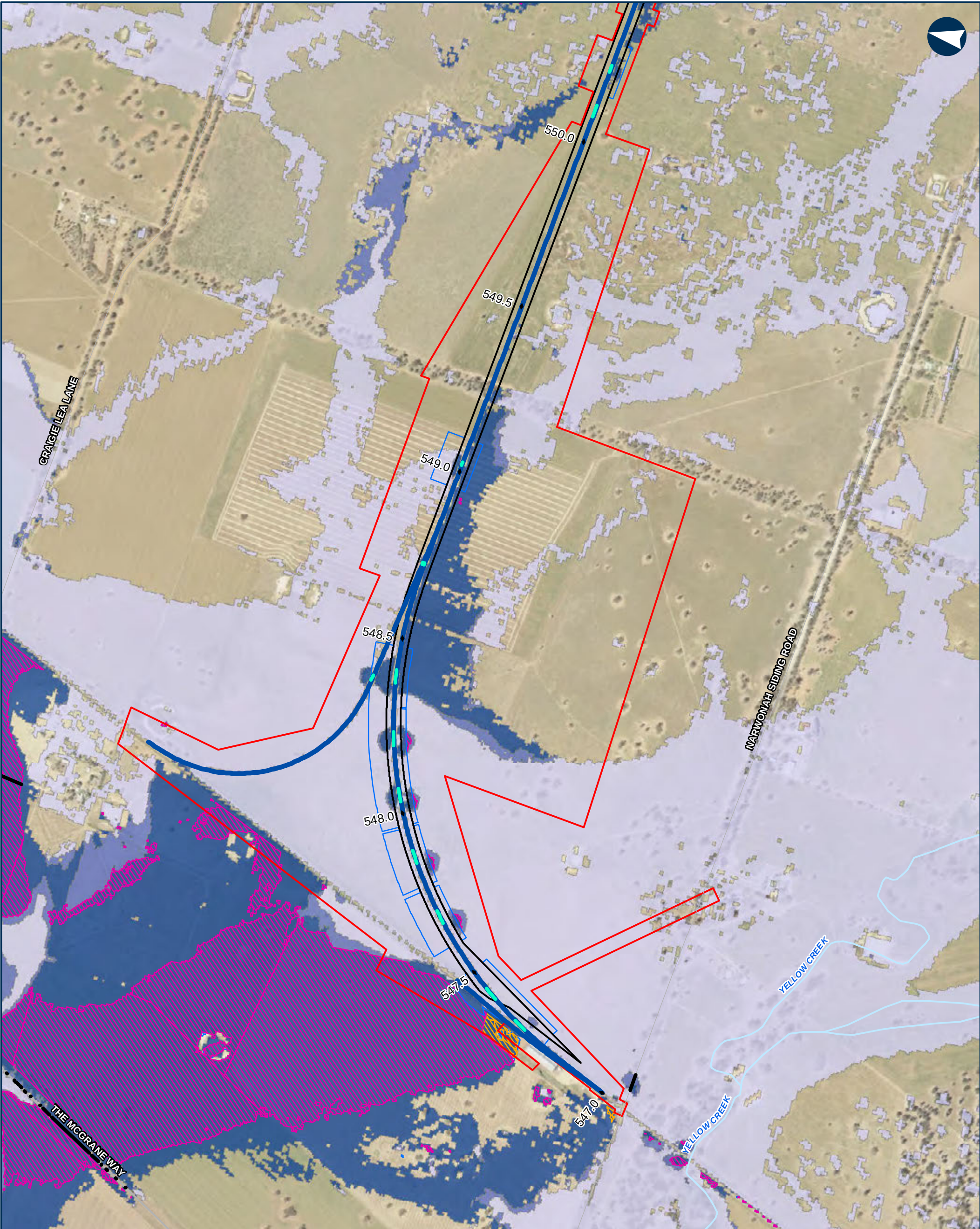
TECHNICAL REPORT 03

Updated flooding and hydrology assessment

Appendix I10 QDL compliance (hazard 5% AEP)

NARROMINE TO NARRABRI PROJECT





NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.1

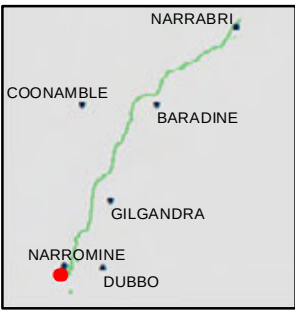
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Coordinate System: GDA 1994 MGA Zone 55

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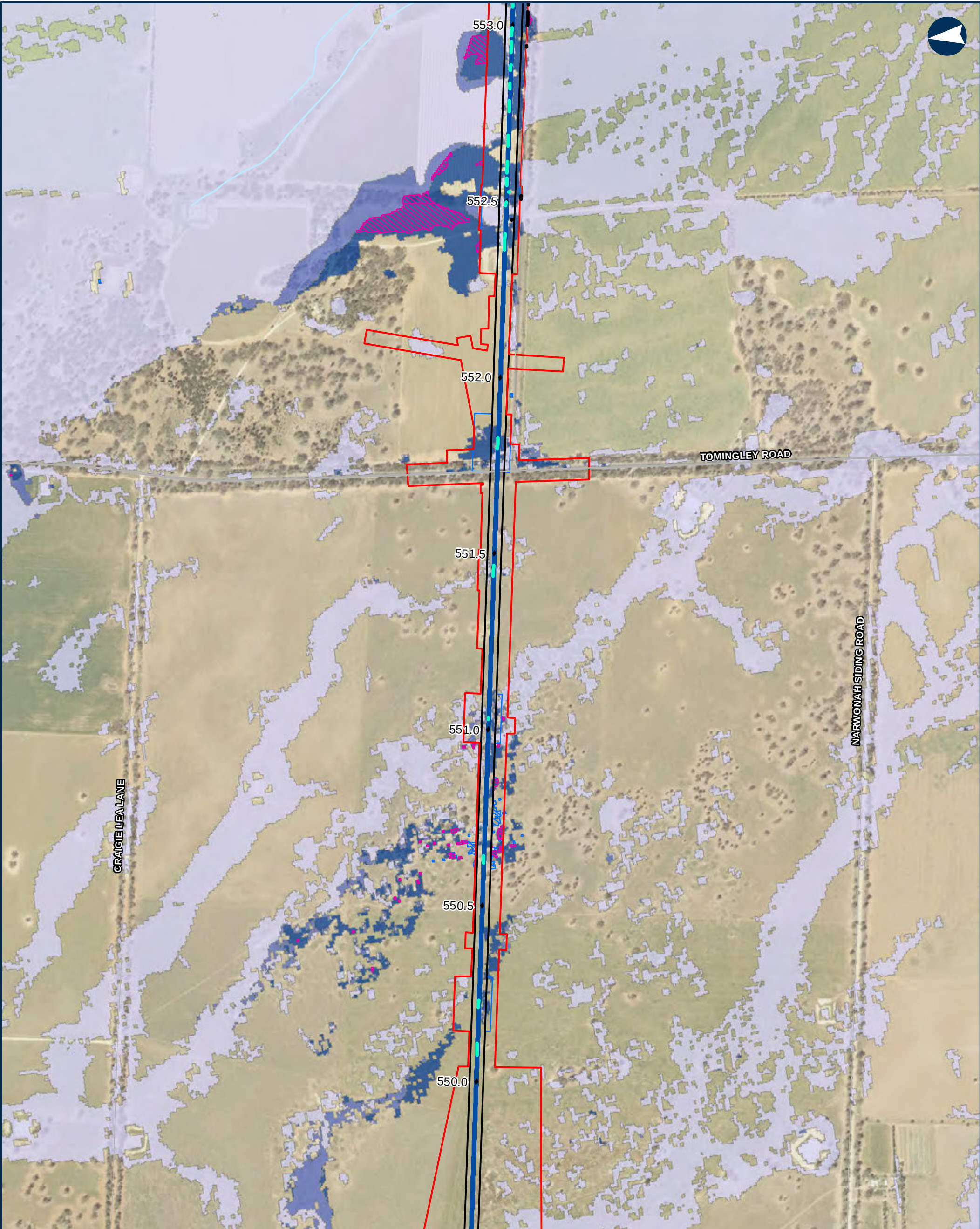
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Buildings and sealed surfaces, vd change >10%
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



INLAND RAIL ARTC

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NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.2

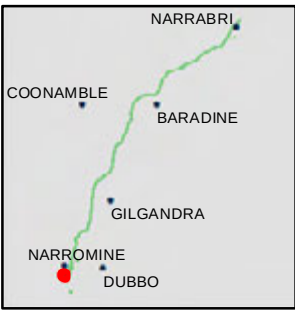
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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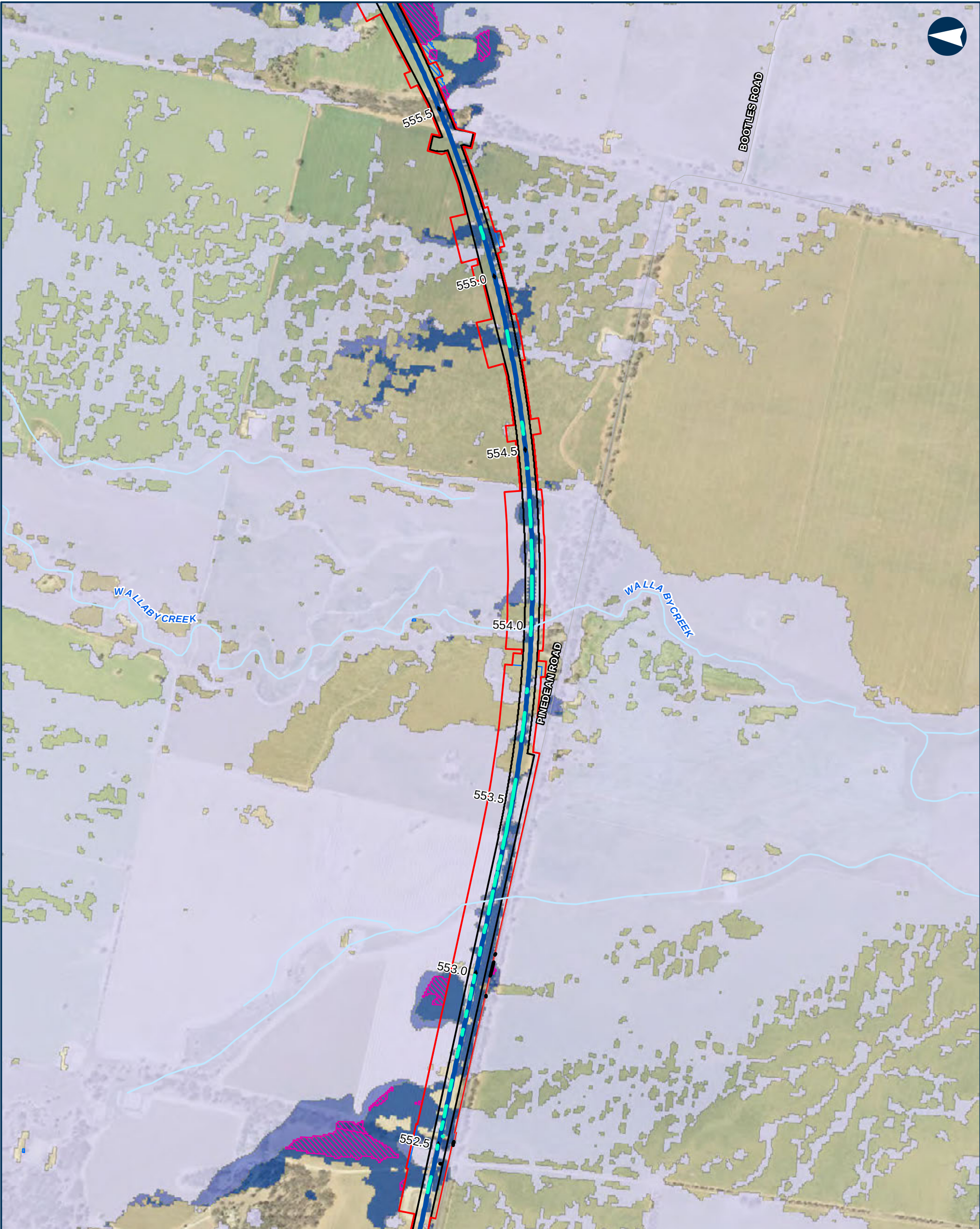
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.3

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

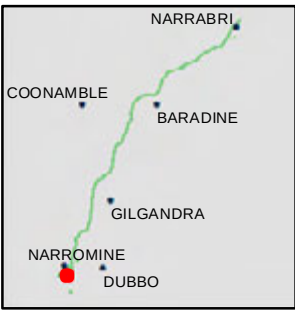
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

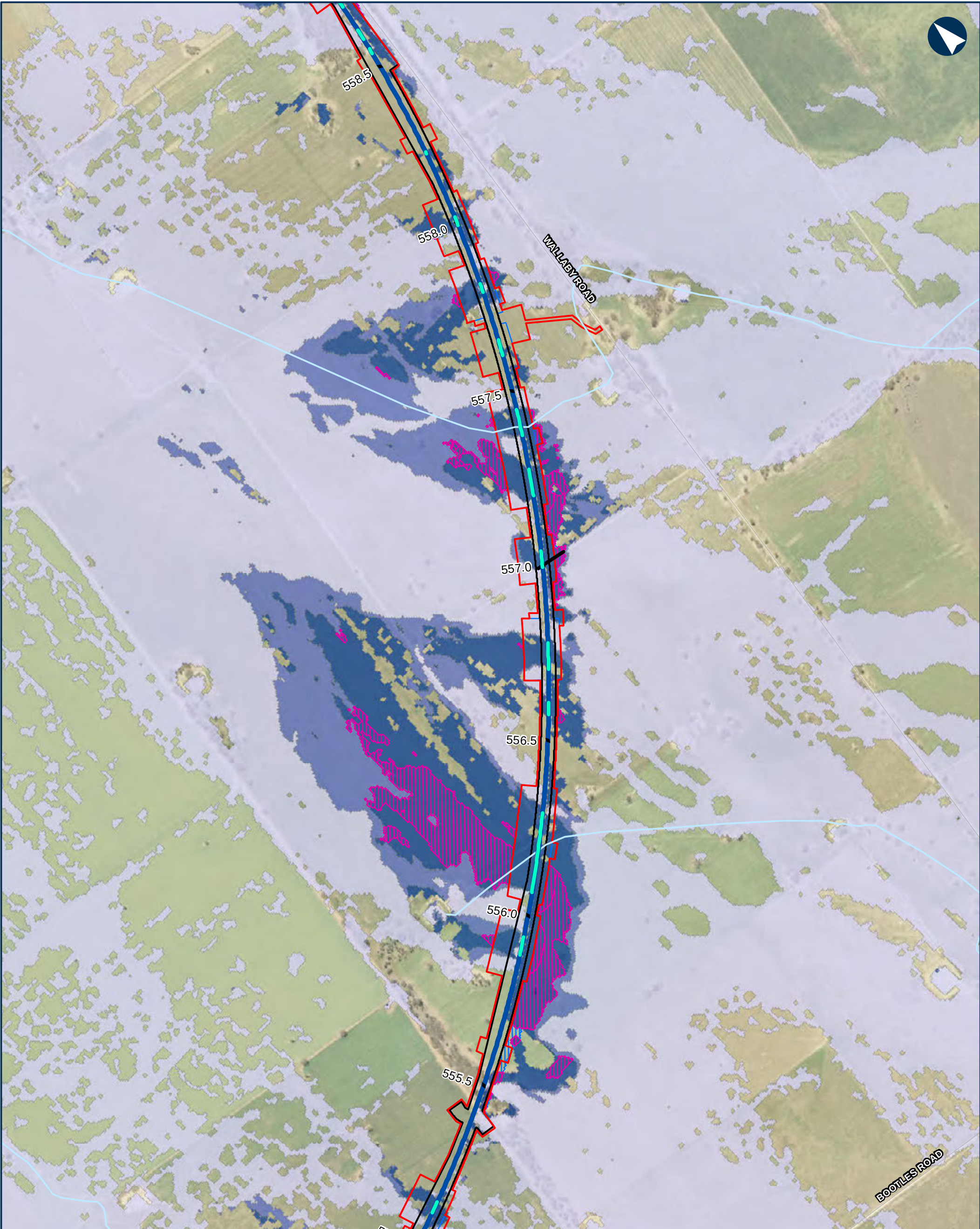
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.4

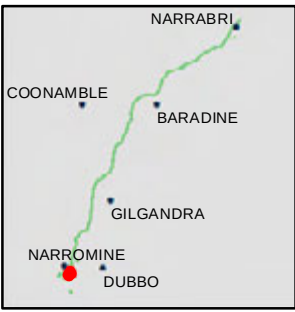
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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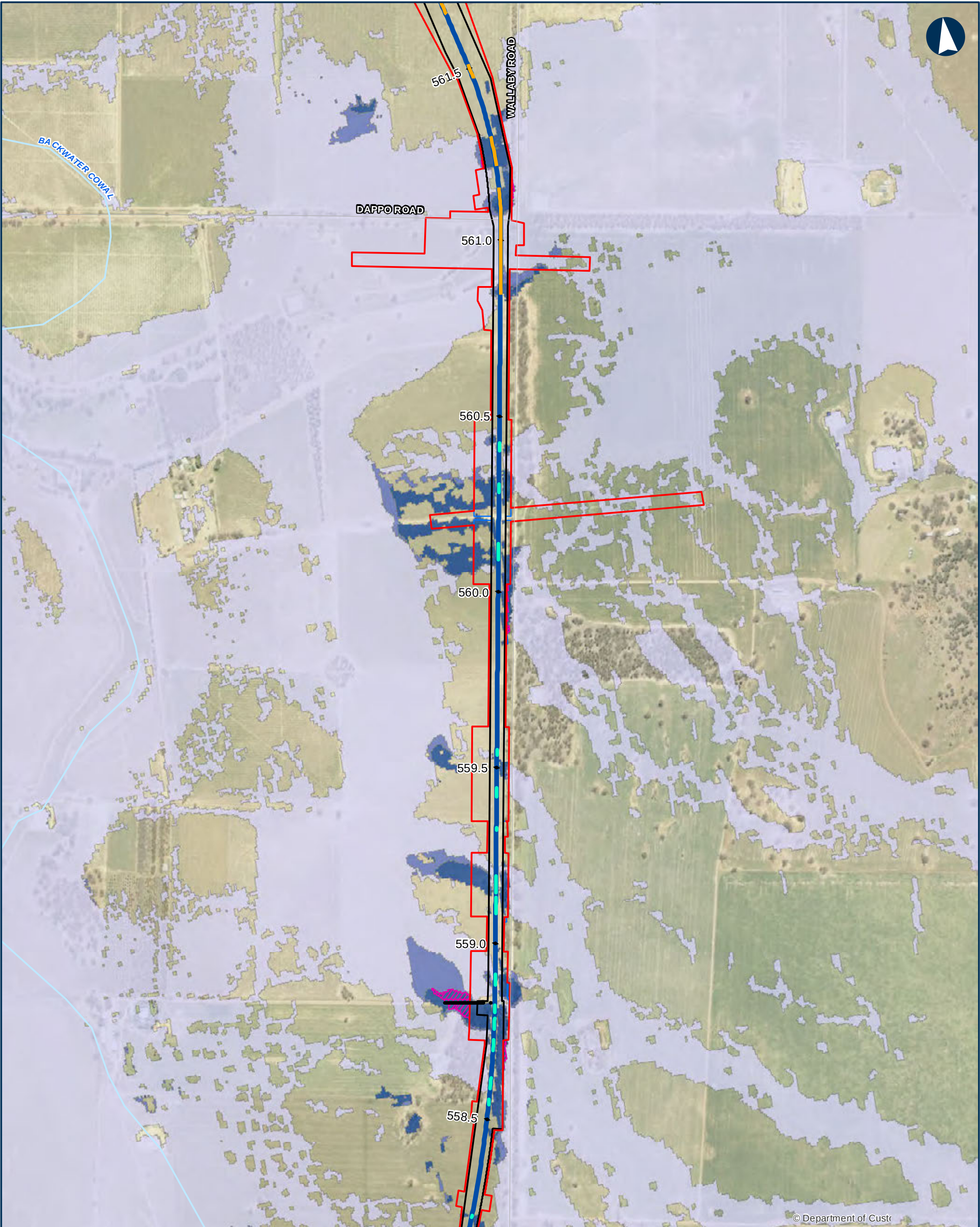
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.5

0 200 400 Metres

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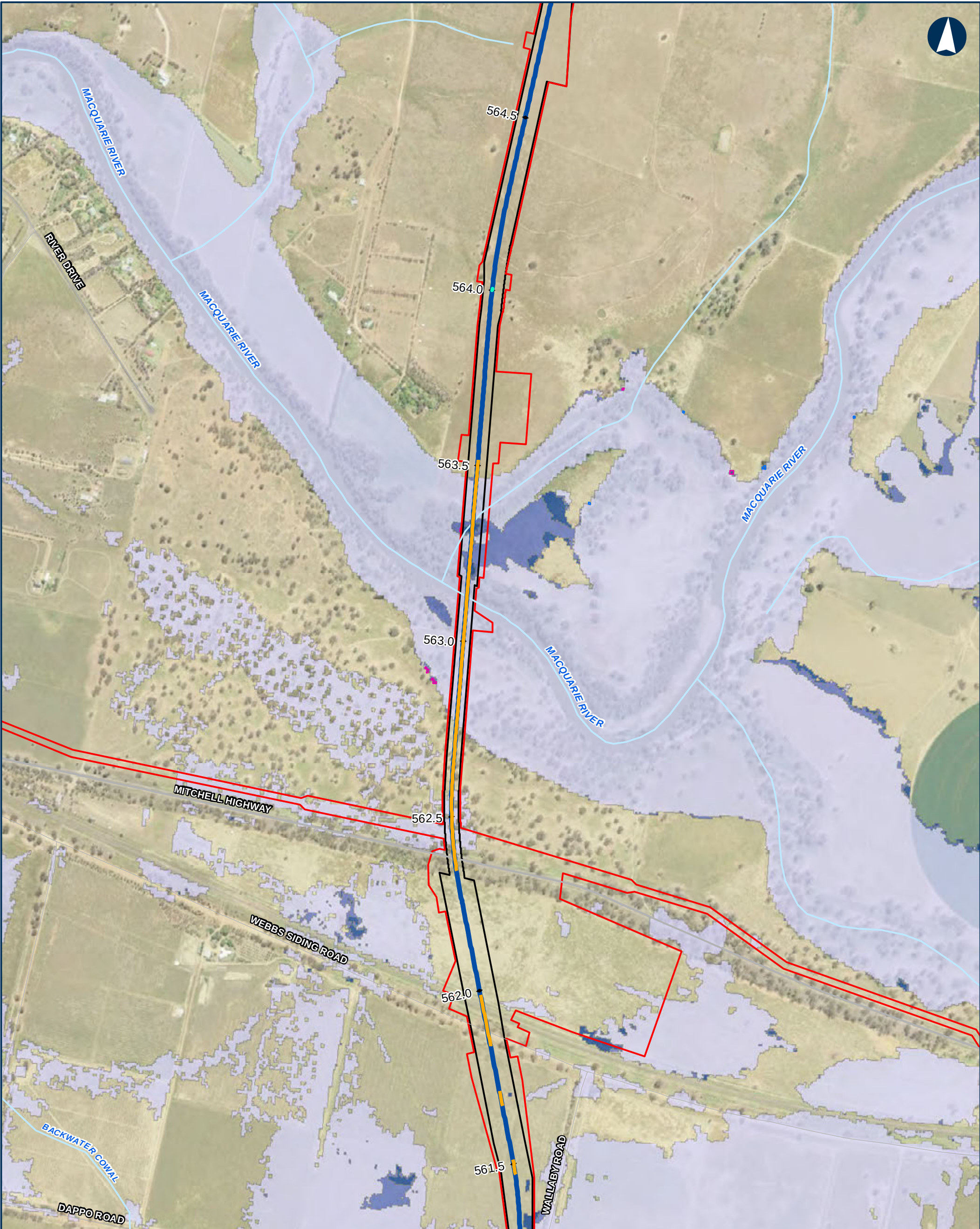
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.6

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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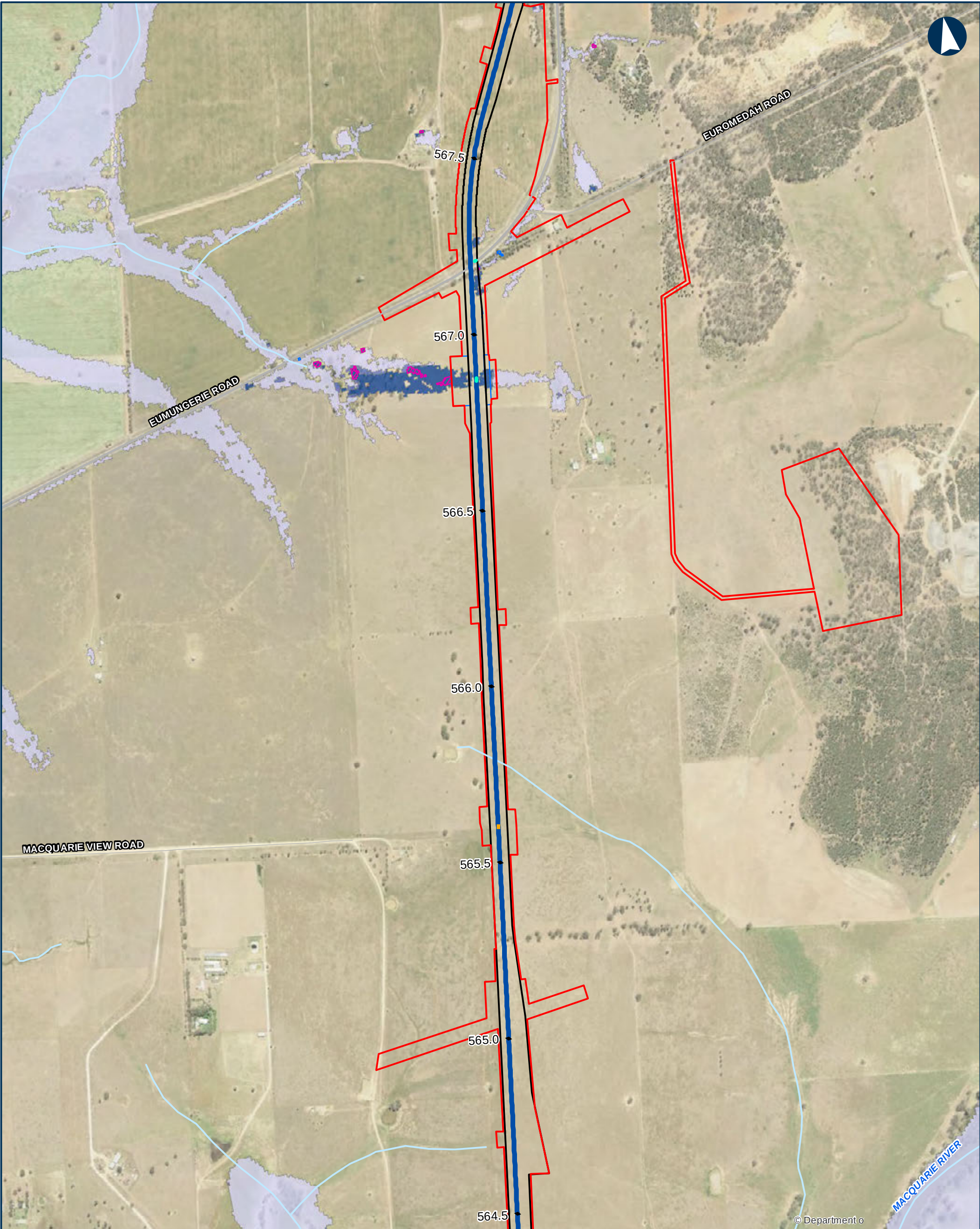
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Primary road
 - Local road
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.7

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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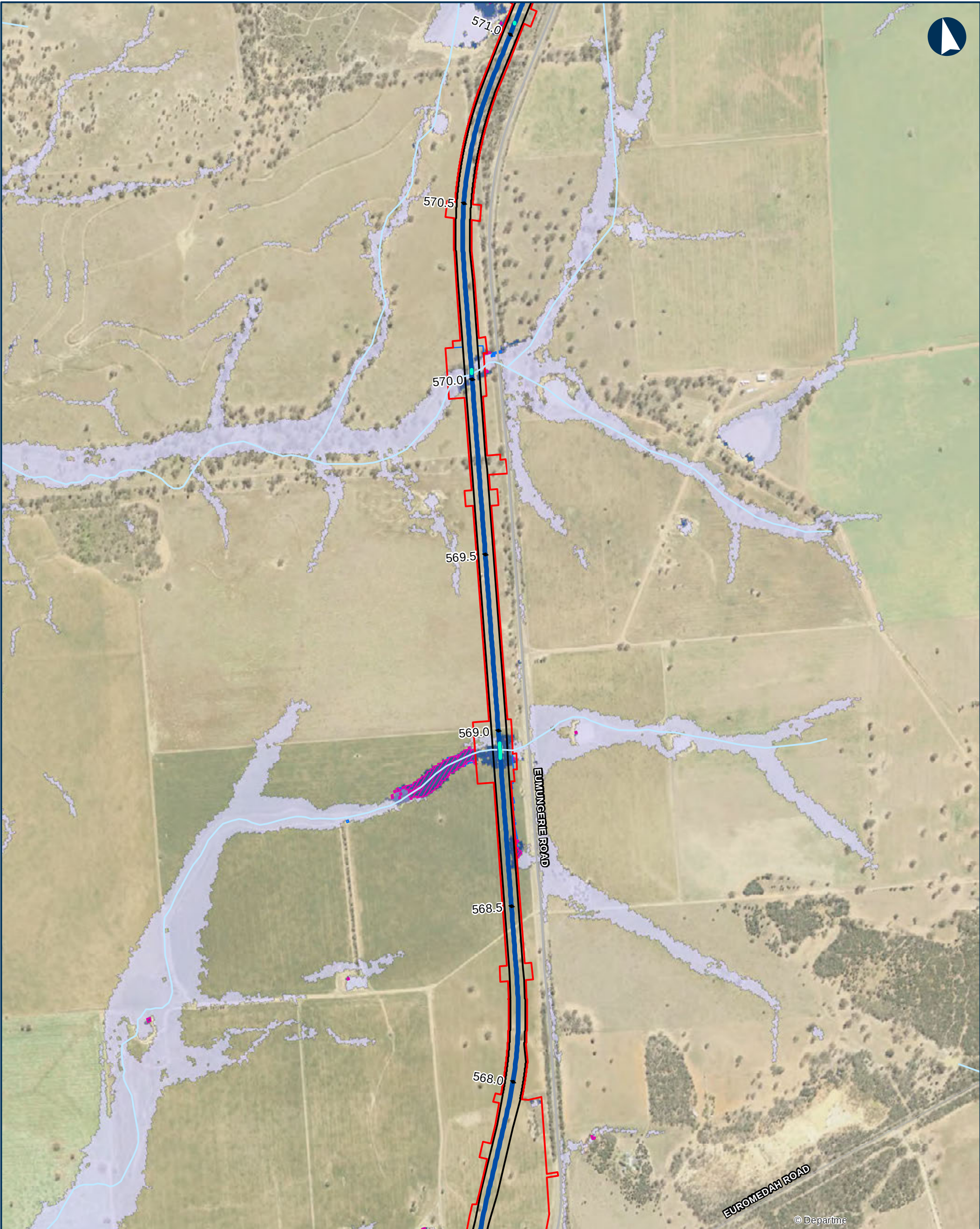
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.8

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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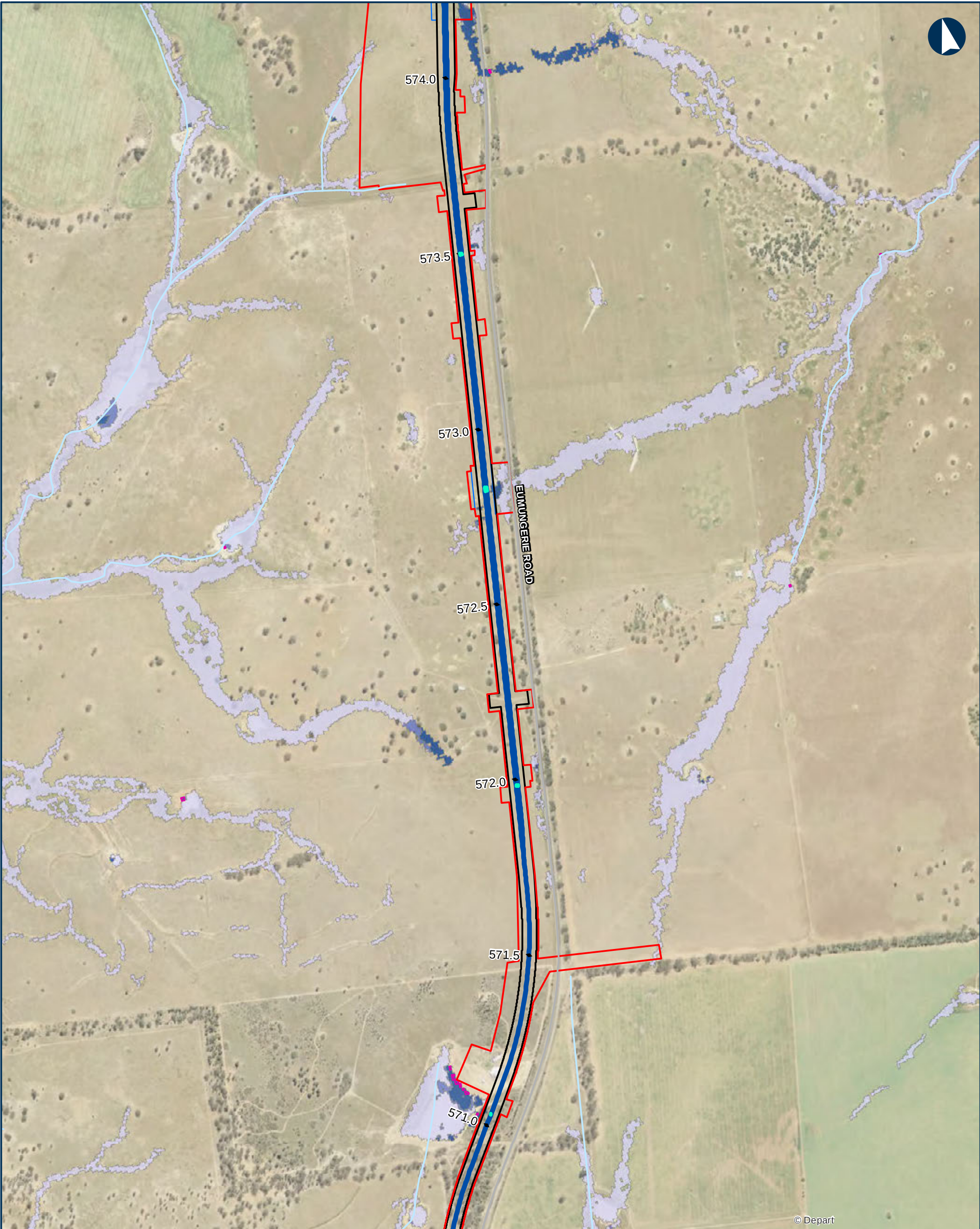
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Alignment
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.9

0200400Metres

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Culvert

Alignment

Arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor

Area of departure

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

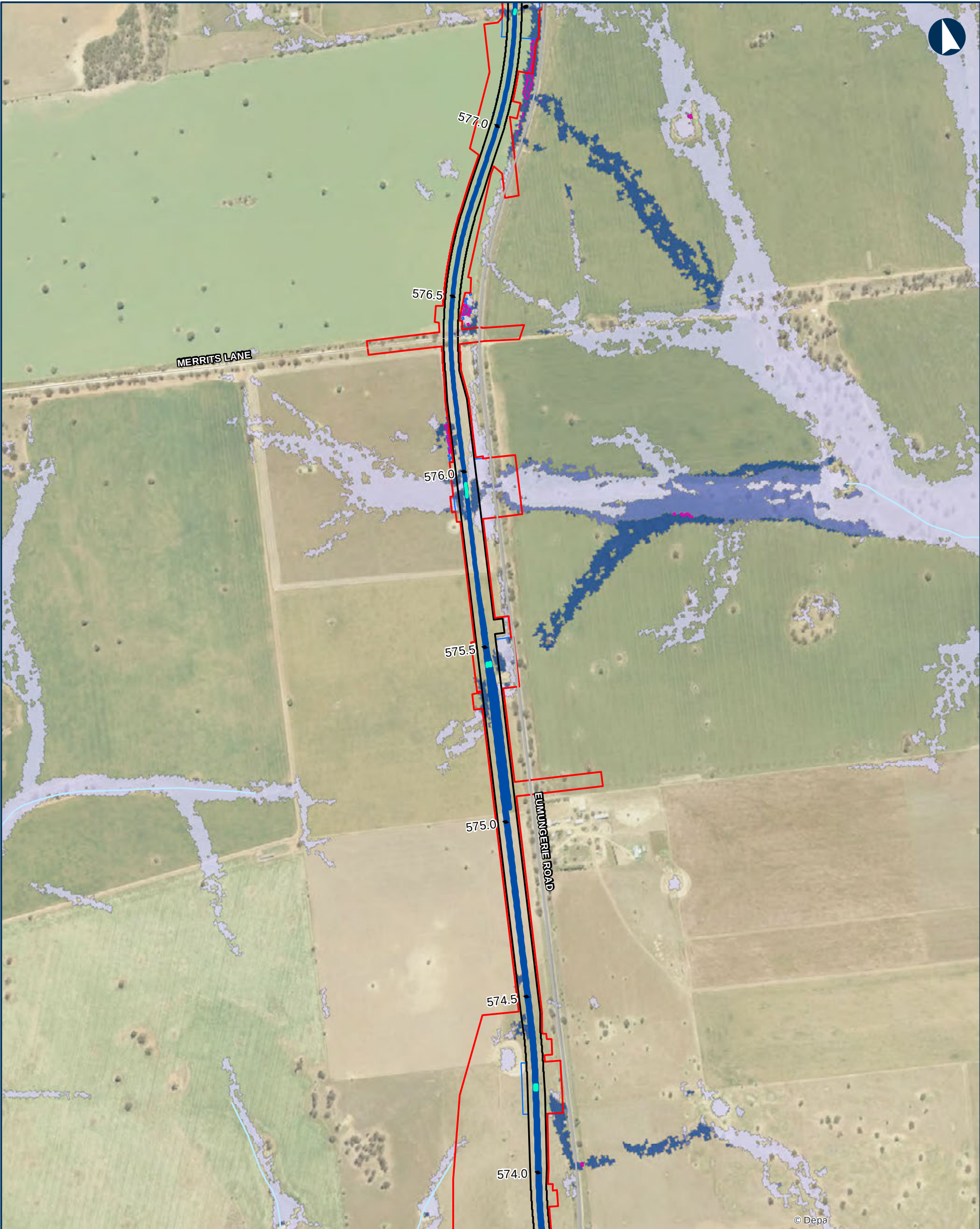
10% - 20%

20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.10

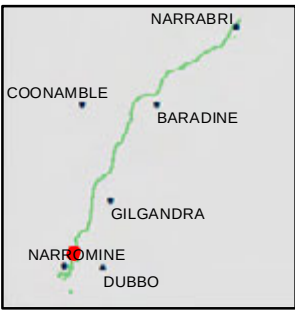
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.11

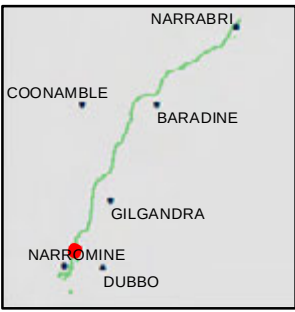
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Coordinate System: GDA 1994 MGA Zone 55

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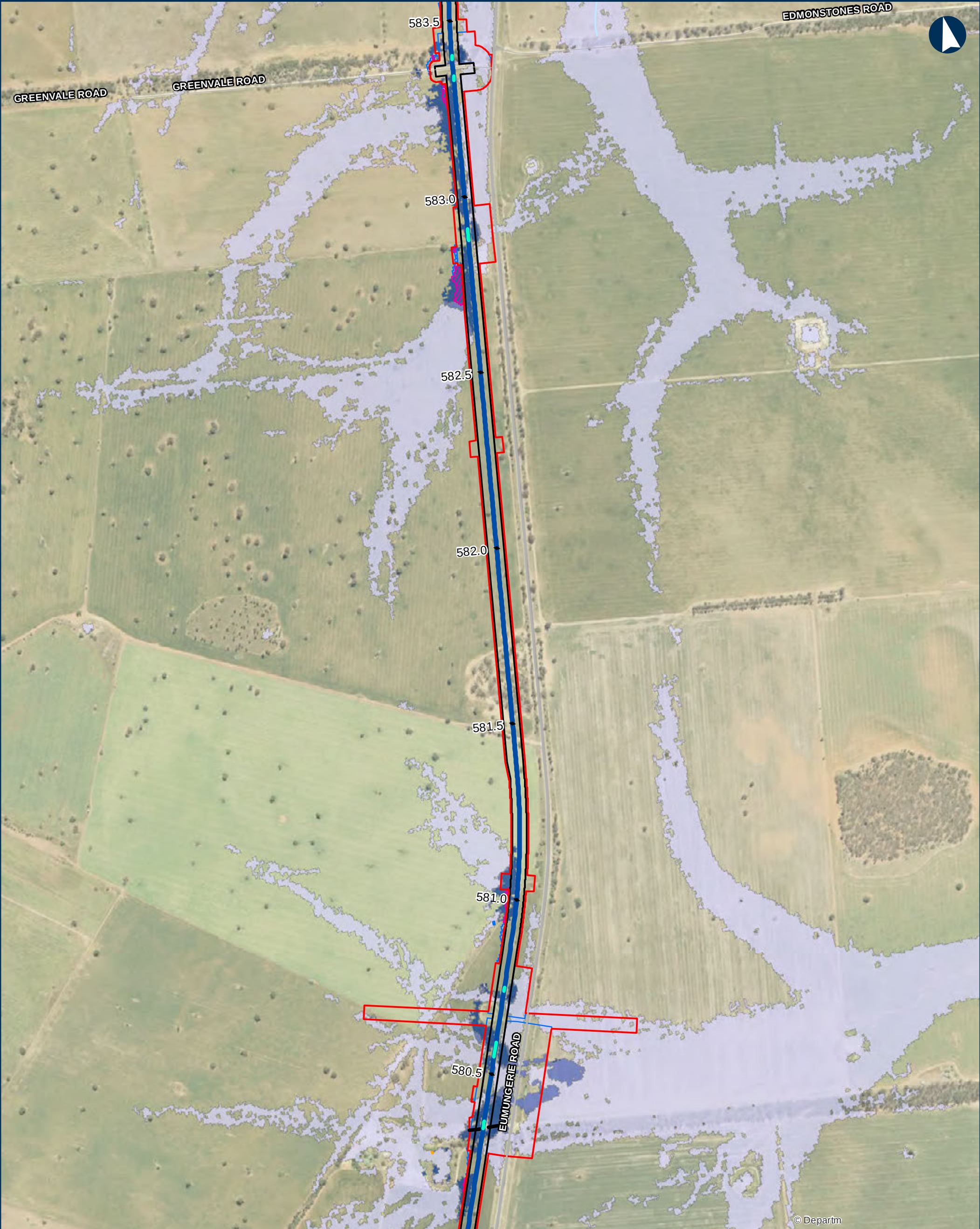
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Arterial road
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Buildings and sealed surfaces, vd change >10%
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.12

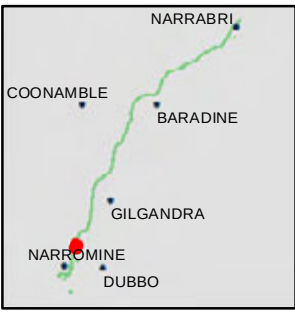
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Coordinate System: GDA 1994 MGA Zone 55

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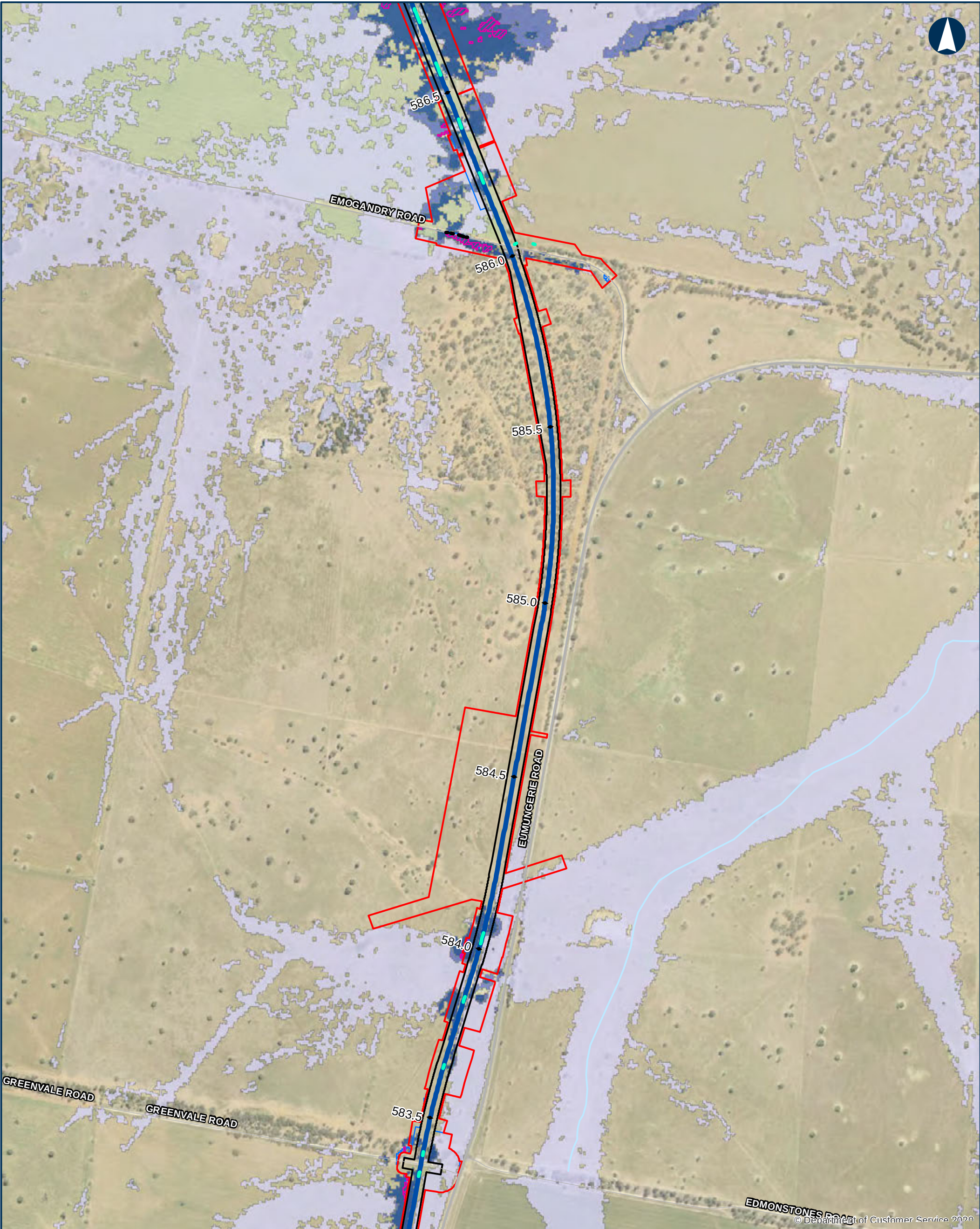
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Buildings and sealed surfaces, vd change >10%
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.13

0 200 400 Metres

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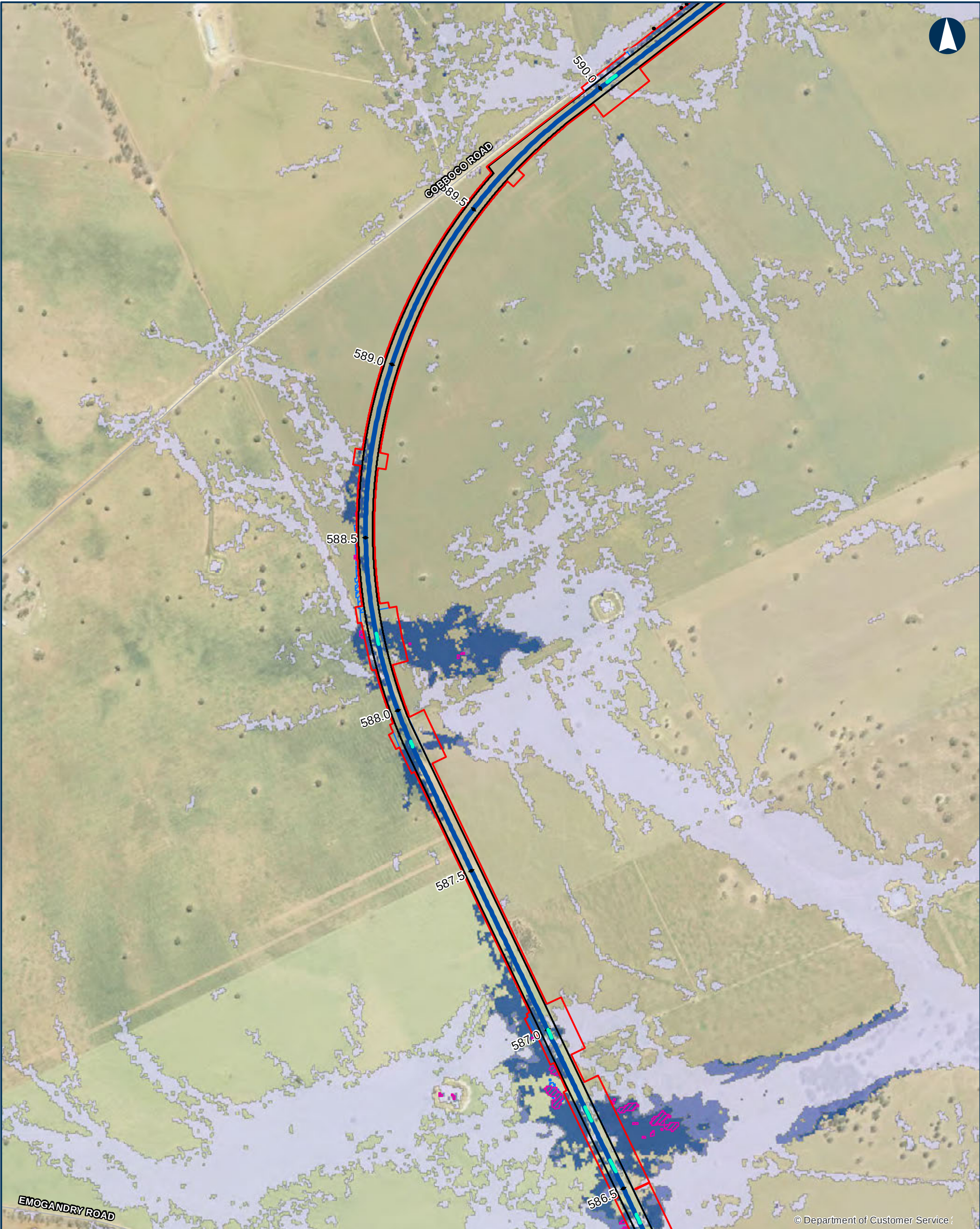
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Arterial road
 - Sub arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.14

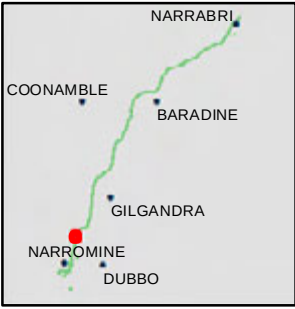
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Coordinate System: GDA 1994 MGA Zone 55

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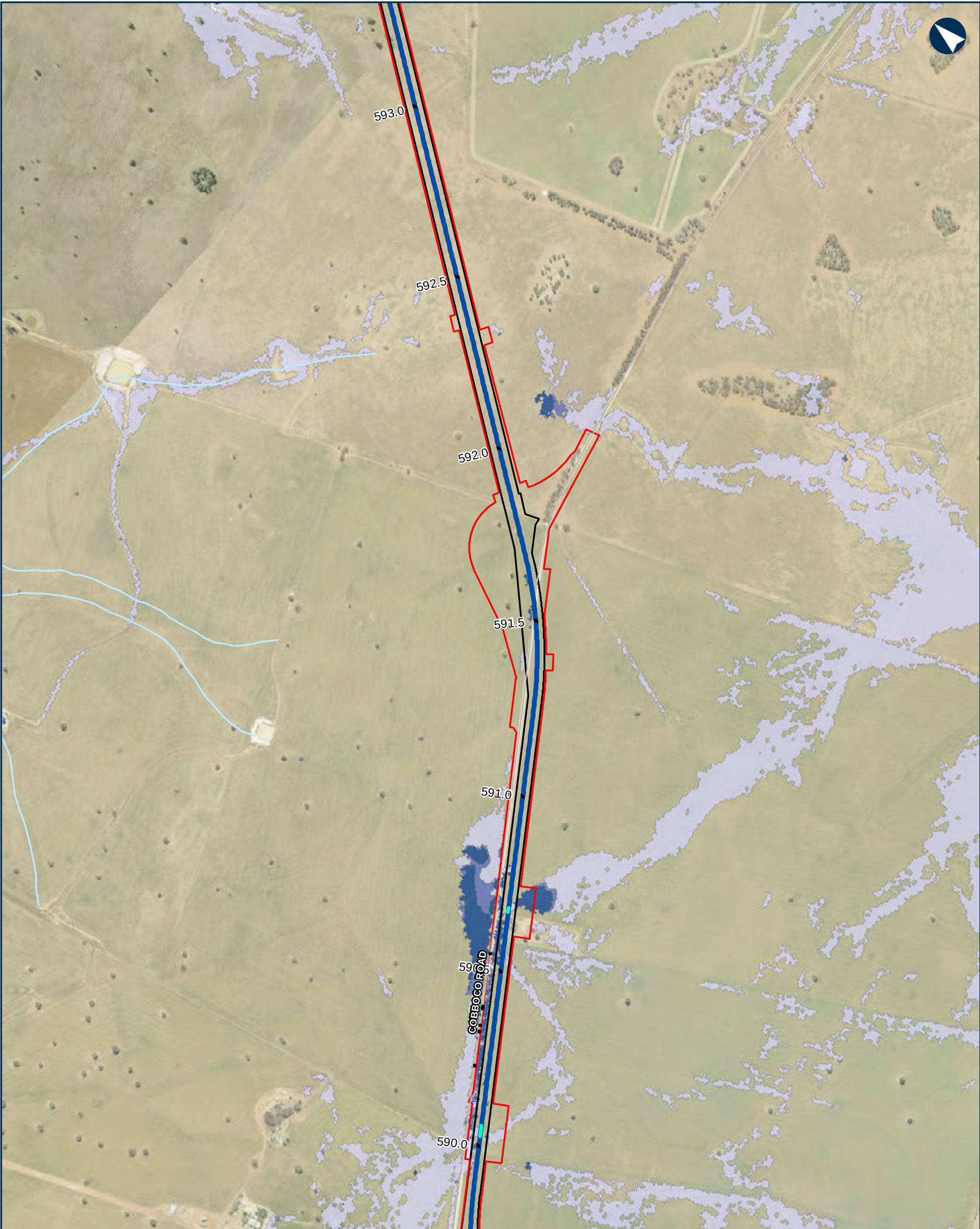
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.15

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

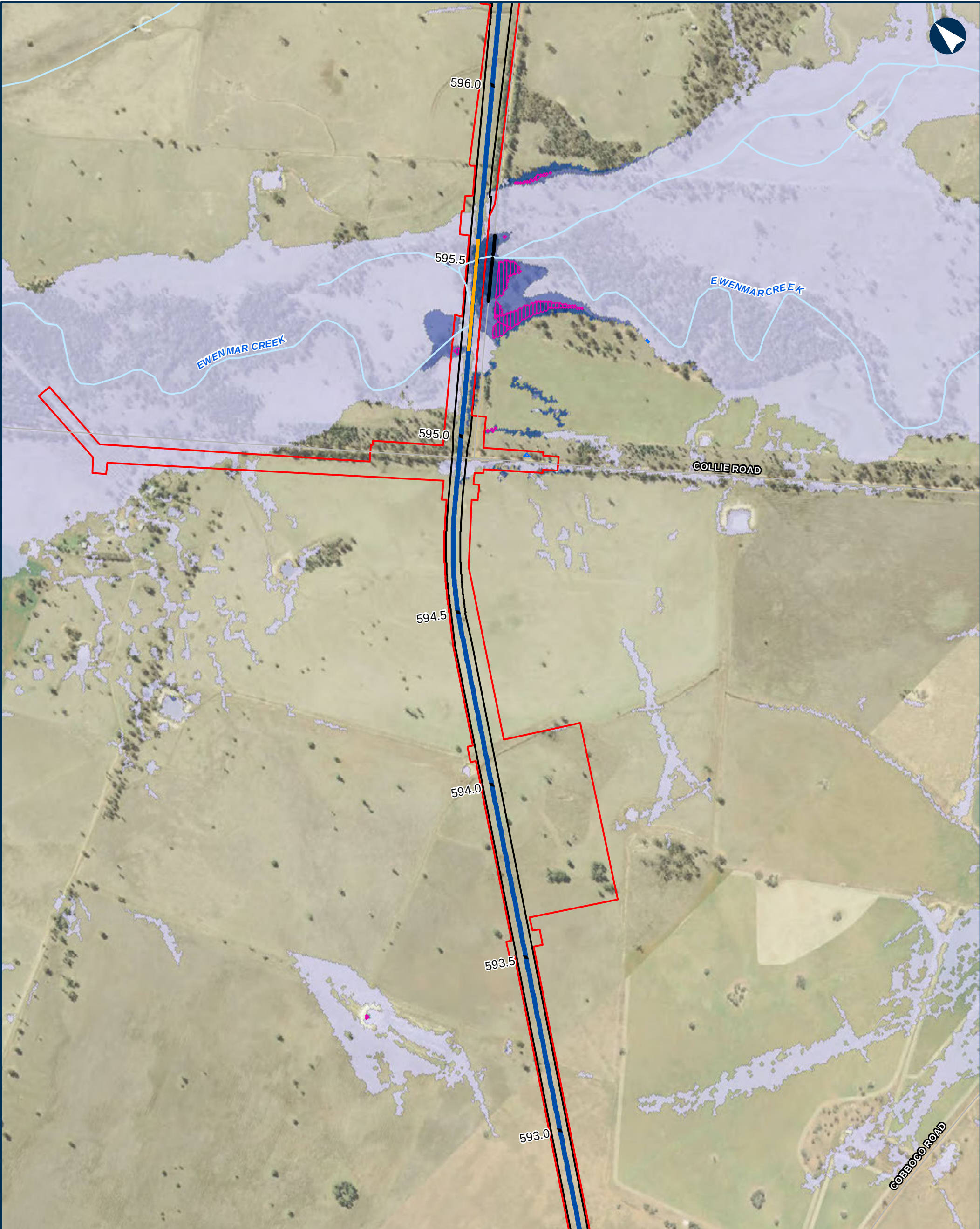
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.16

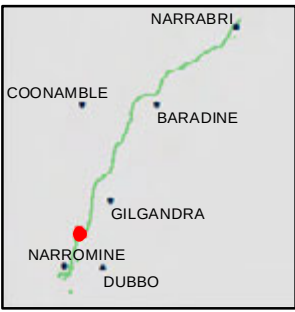
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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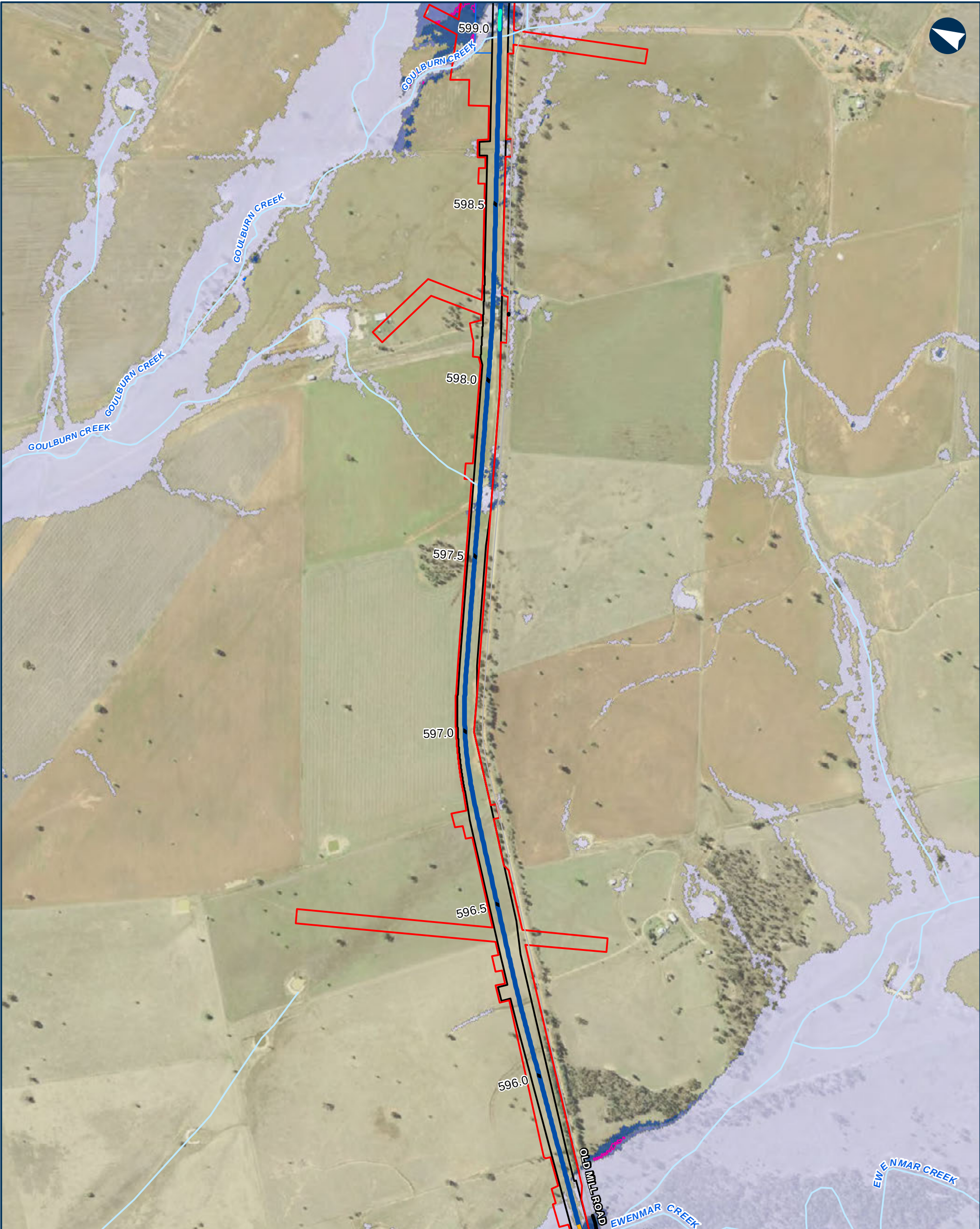
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.17

0 200 400 Metres

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

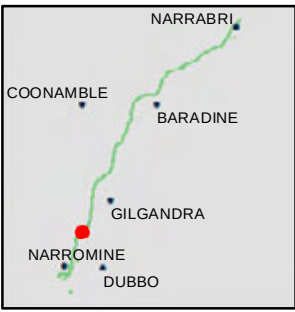
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

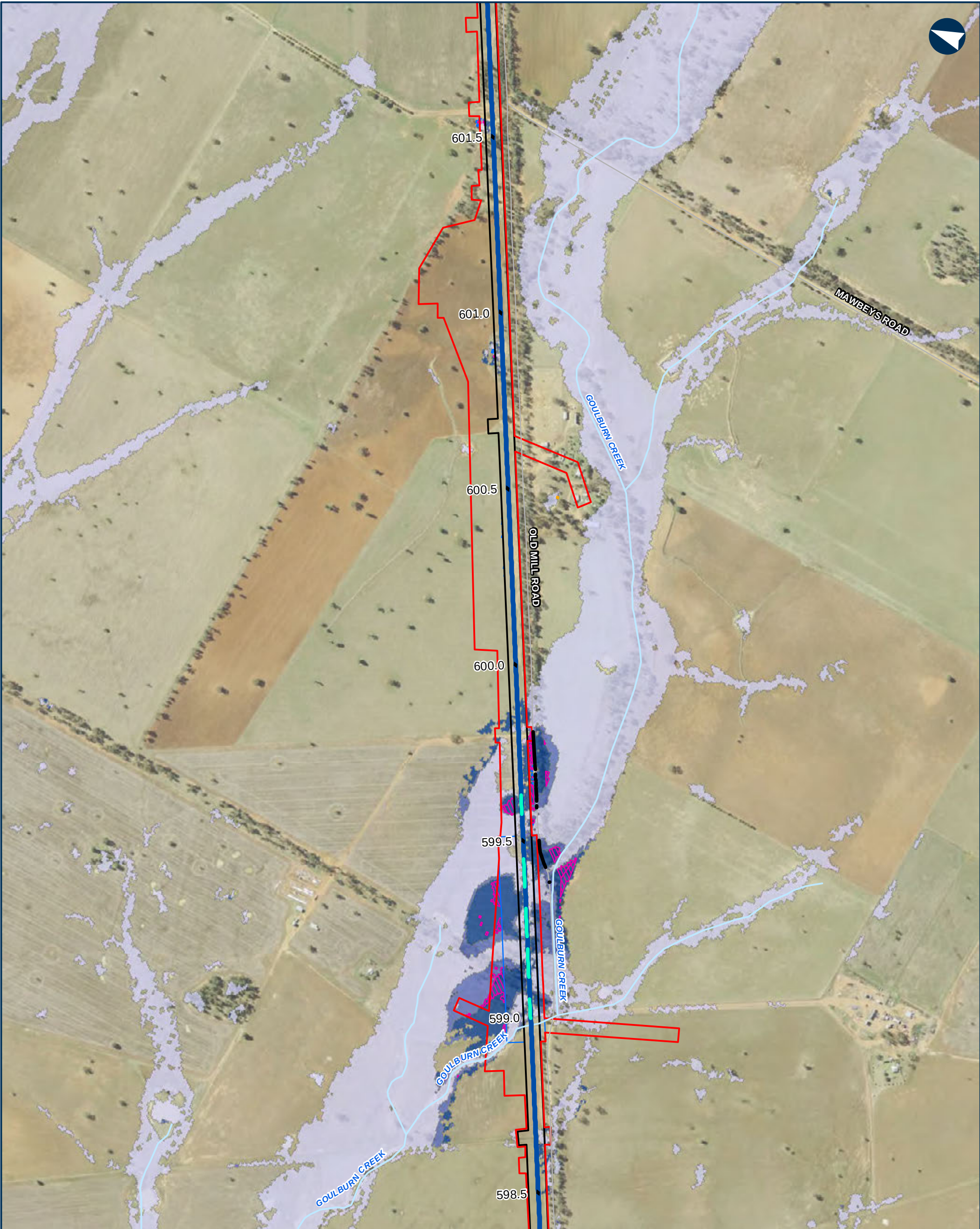
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.18

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Buildings and sealed surfaces, vd change >10%

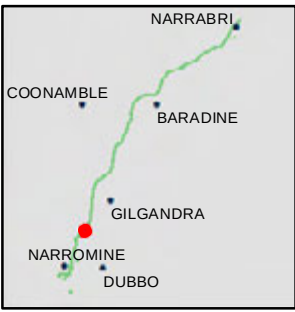
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.19

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

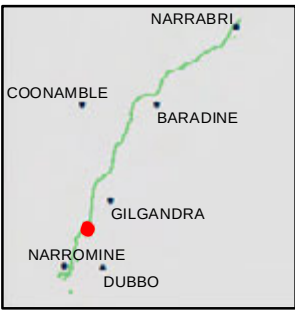
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.20

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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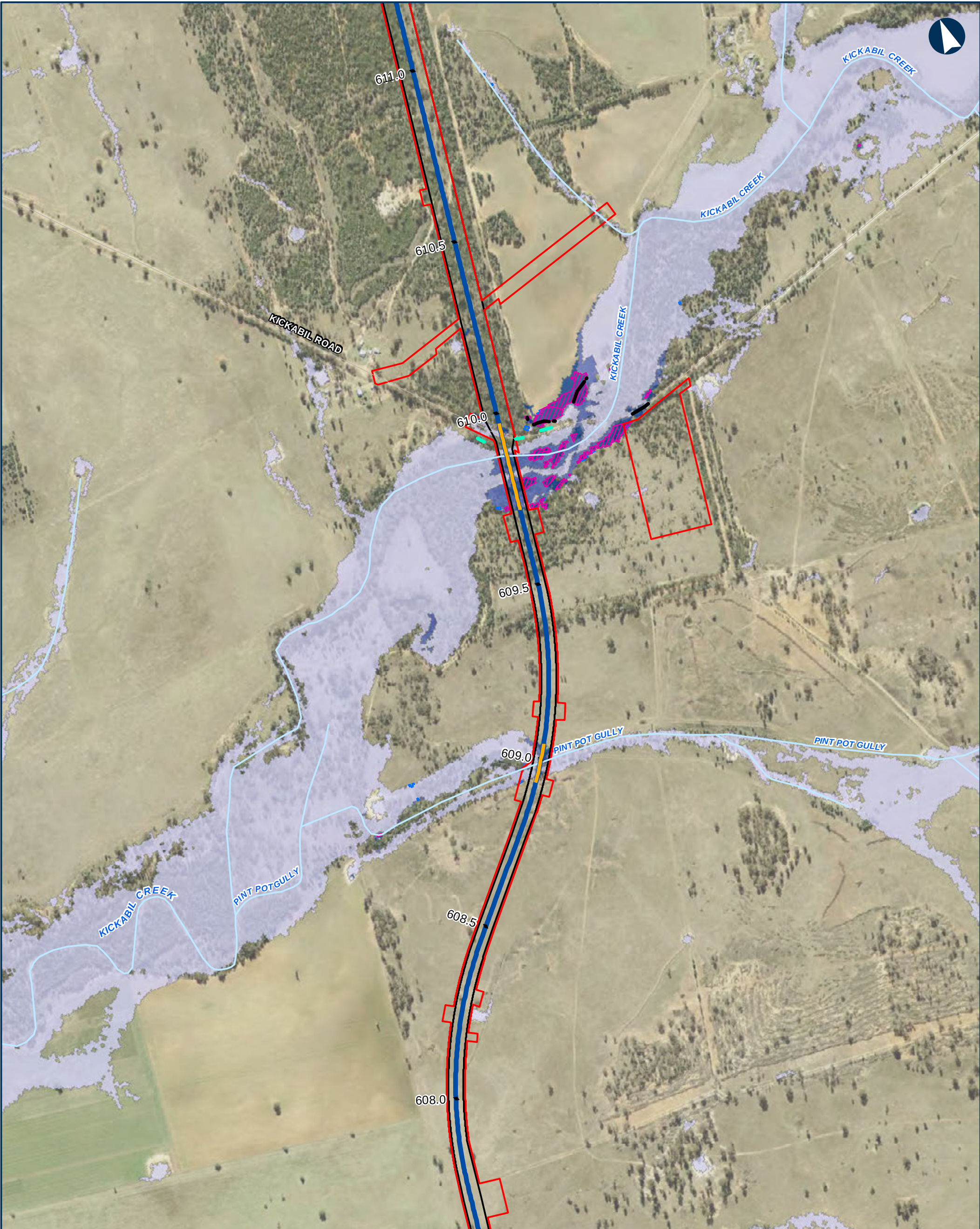
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.21

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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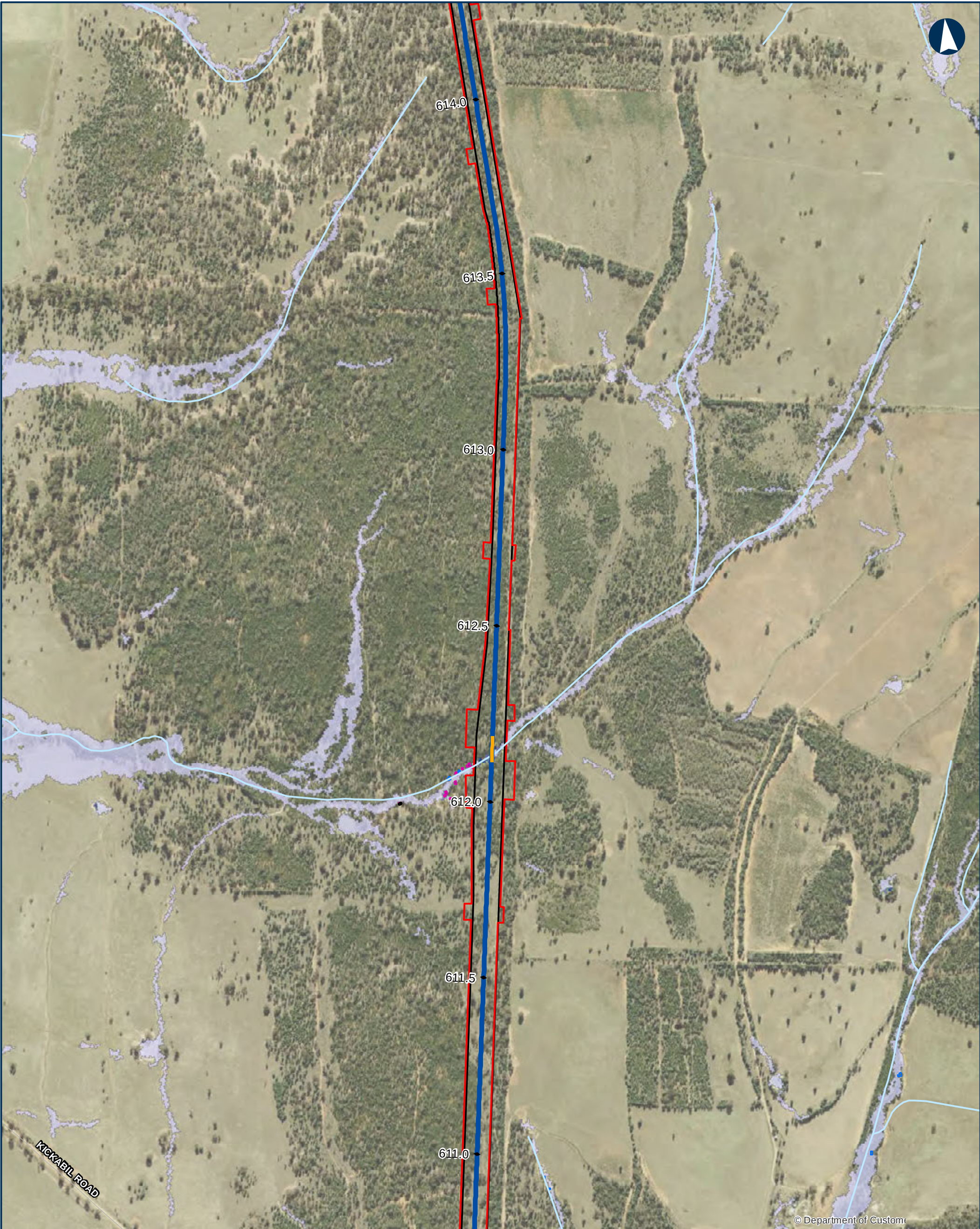
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Local road
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.22

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Bridge

Road QDL departure

Alignment

Local road

Watercourse

The proposal

Rail Corridor

Area of departure

Design flooded, not flooded existing

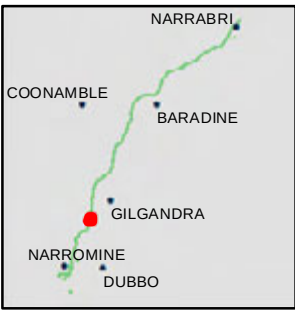
Other unsealed surfaces / elsewhere, wd change >20%

Percentage Change

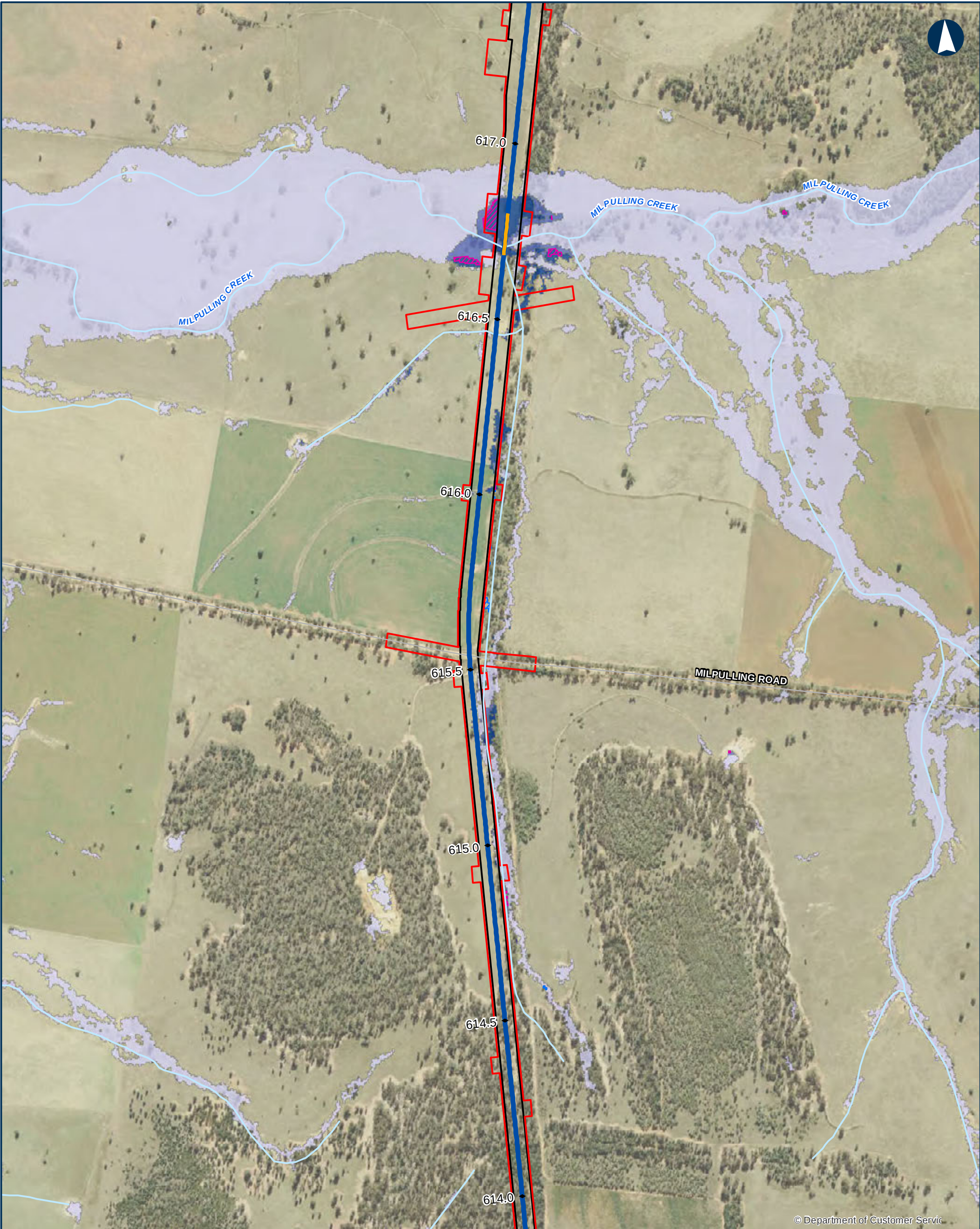
0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.23

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Bridge

Alignment

Sub arterial road

Watercourse

The proposal

Rail Corridor

Area of departure

Design flooded, not flooded existing

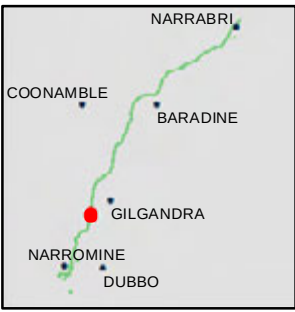
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.24

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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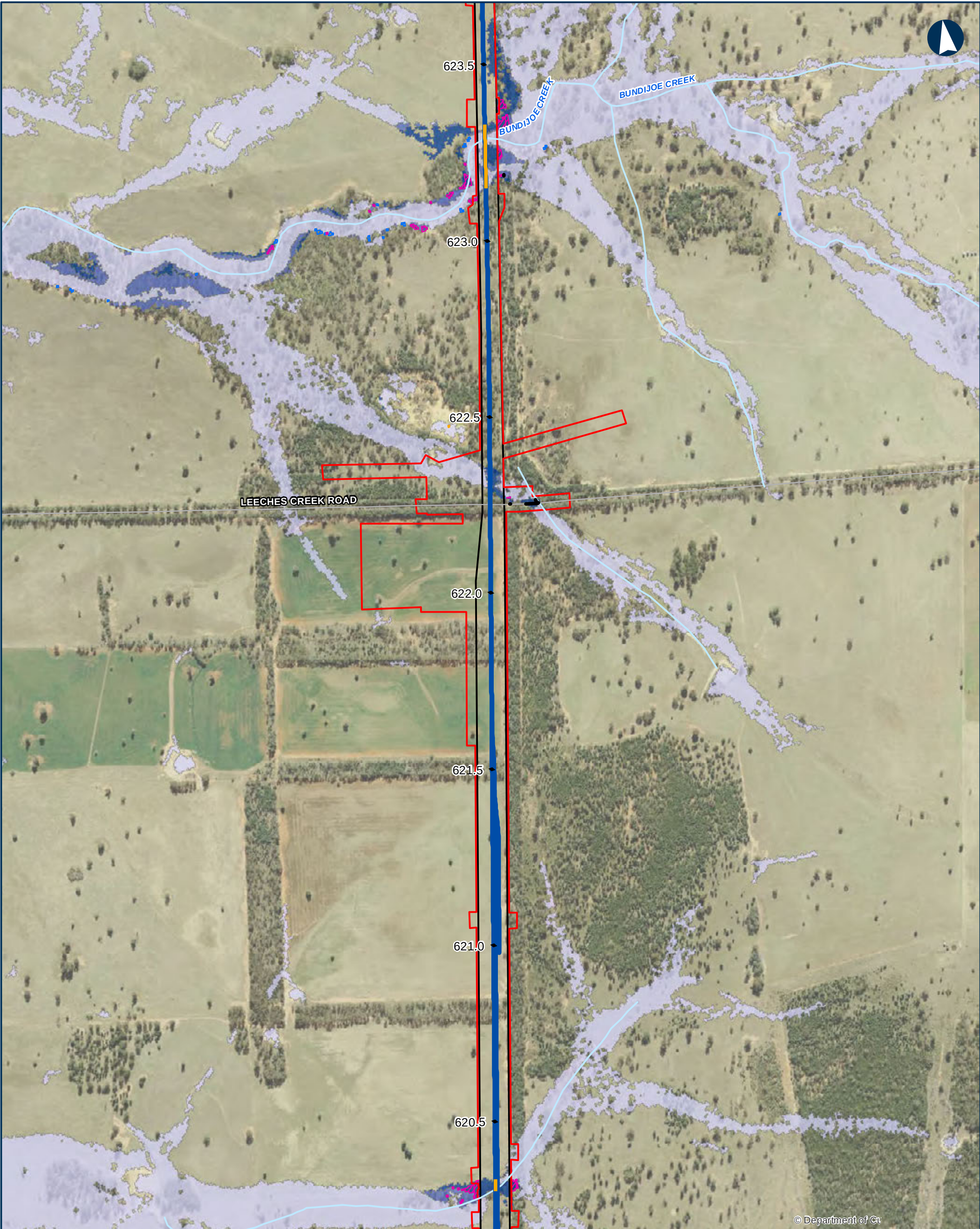
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Alignment
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.25

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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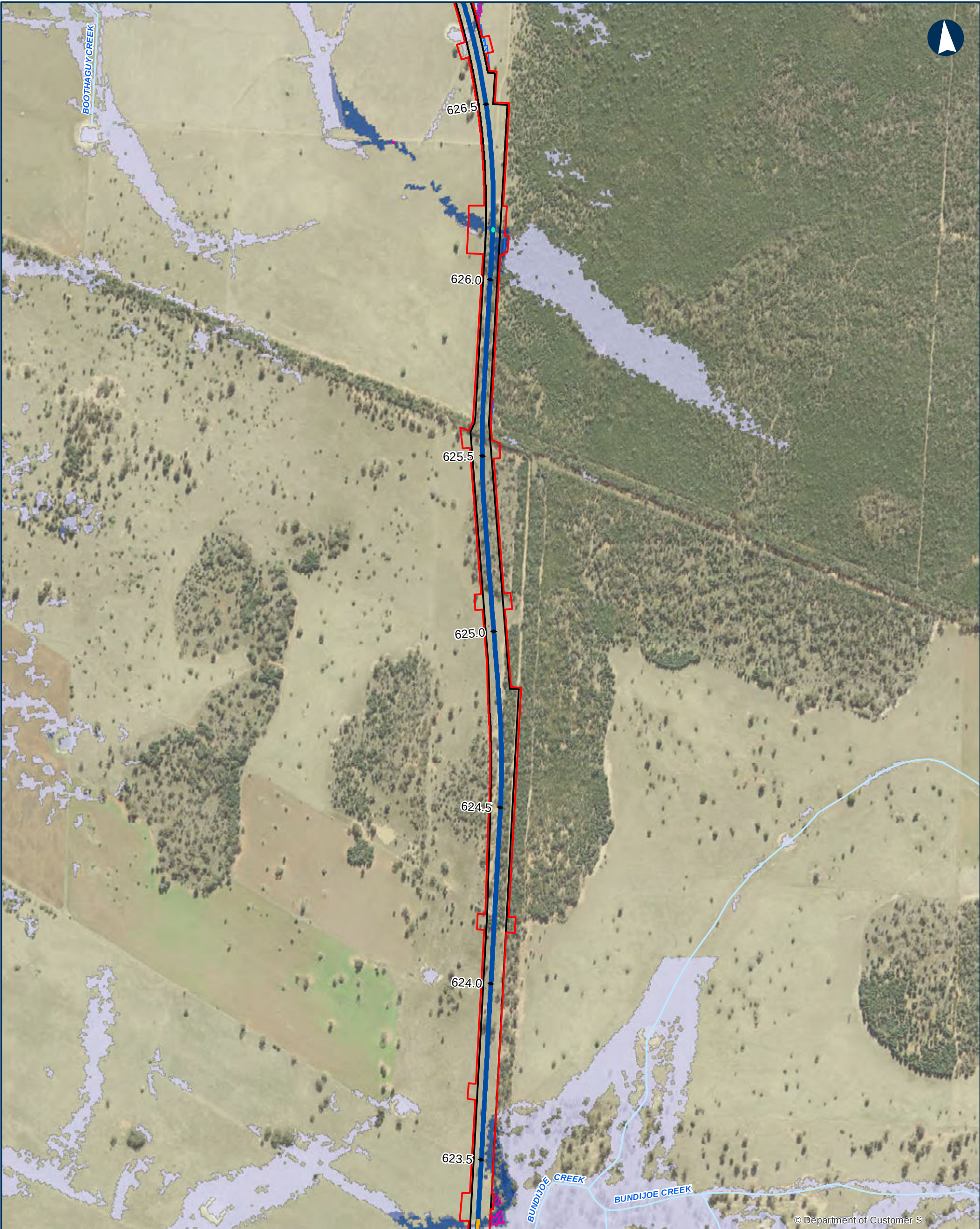
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Buildings and sealed surfaces, vd change >10%
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.26

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

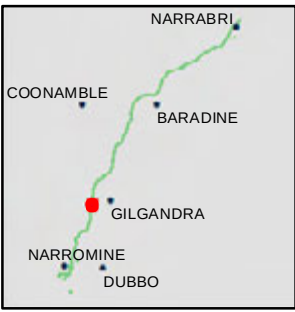
ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken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

Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Bridge
Culvert
Alignment
Watercourse
The proposal
Drainage Control Area
Rail Corridor

Area of departure
Design flooded, not flooded existing
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change
0% - 10%
10% - 20%
20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.27

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

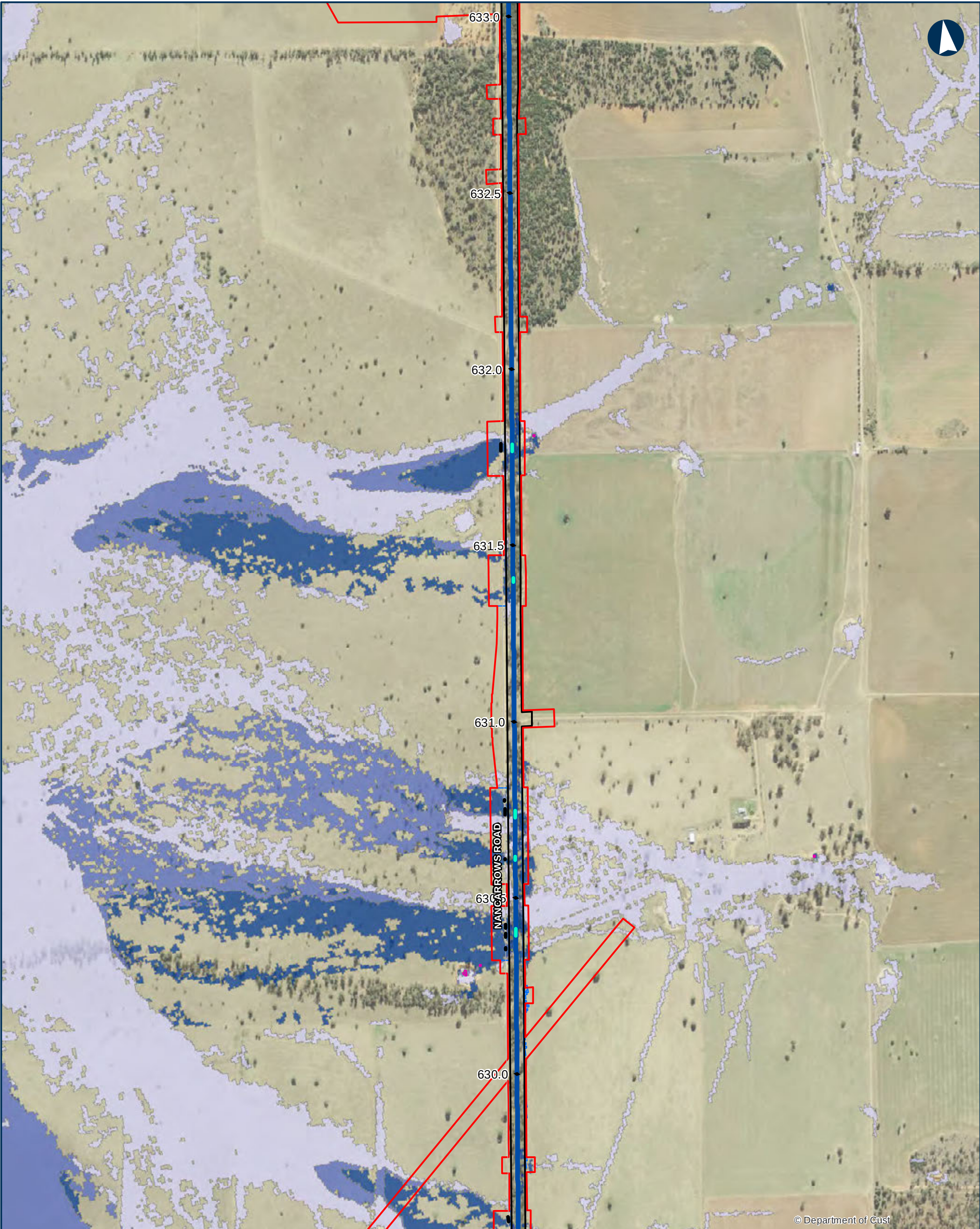
20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.28

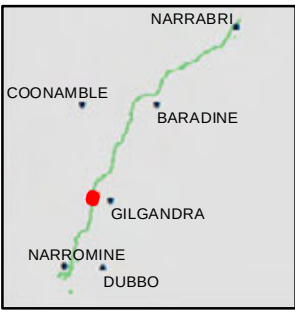
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.29

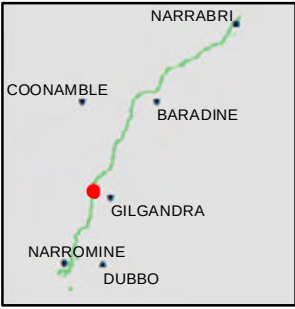
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - TfNSW newly flooded roads
 - Alignment
 - Primary road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Buildings and sealed surfaces, vd change >10%
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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Appendix I - Figure 3.2.30

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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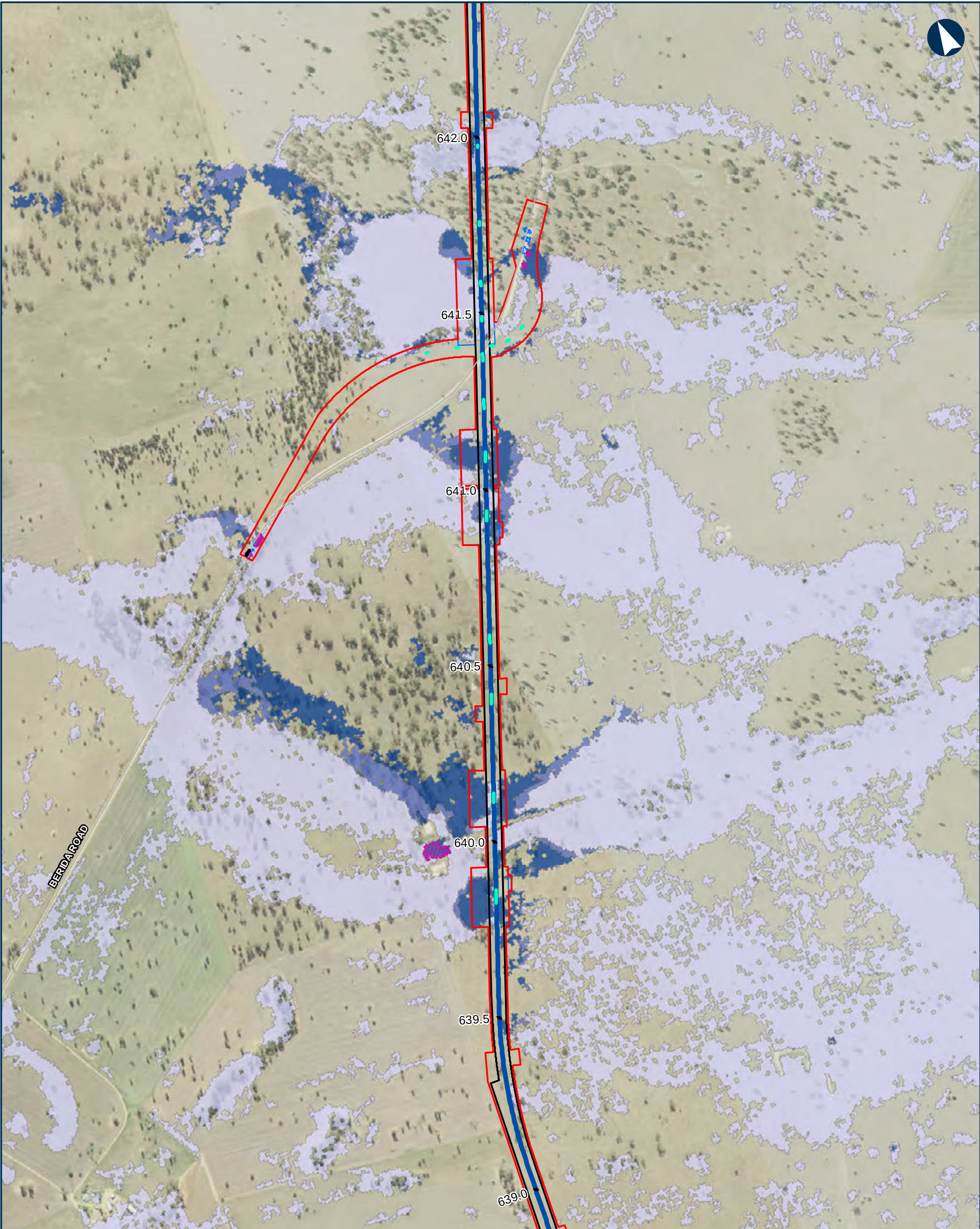
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Alignment
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.31

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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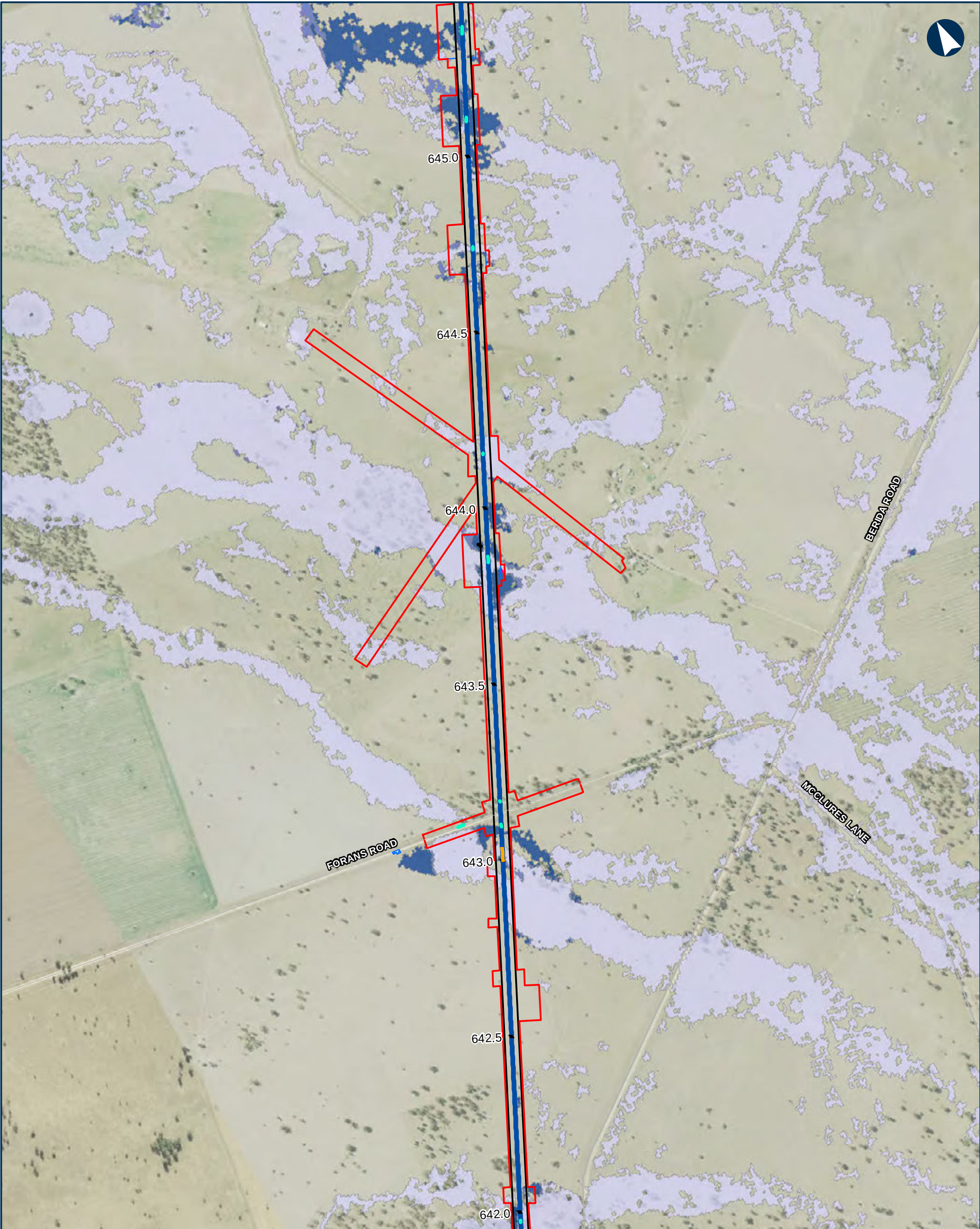
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.32

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Sub arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

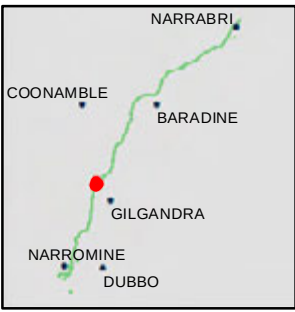
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

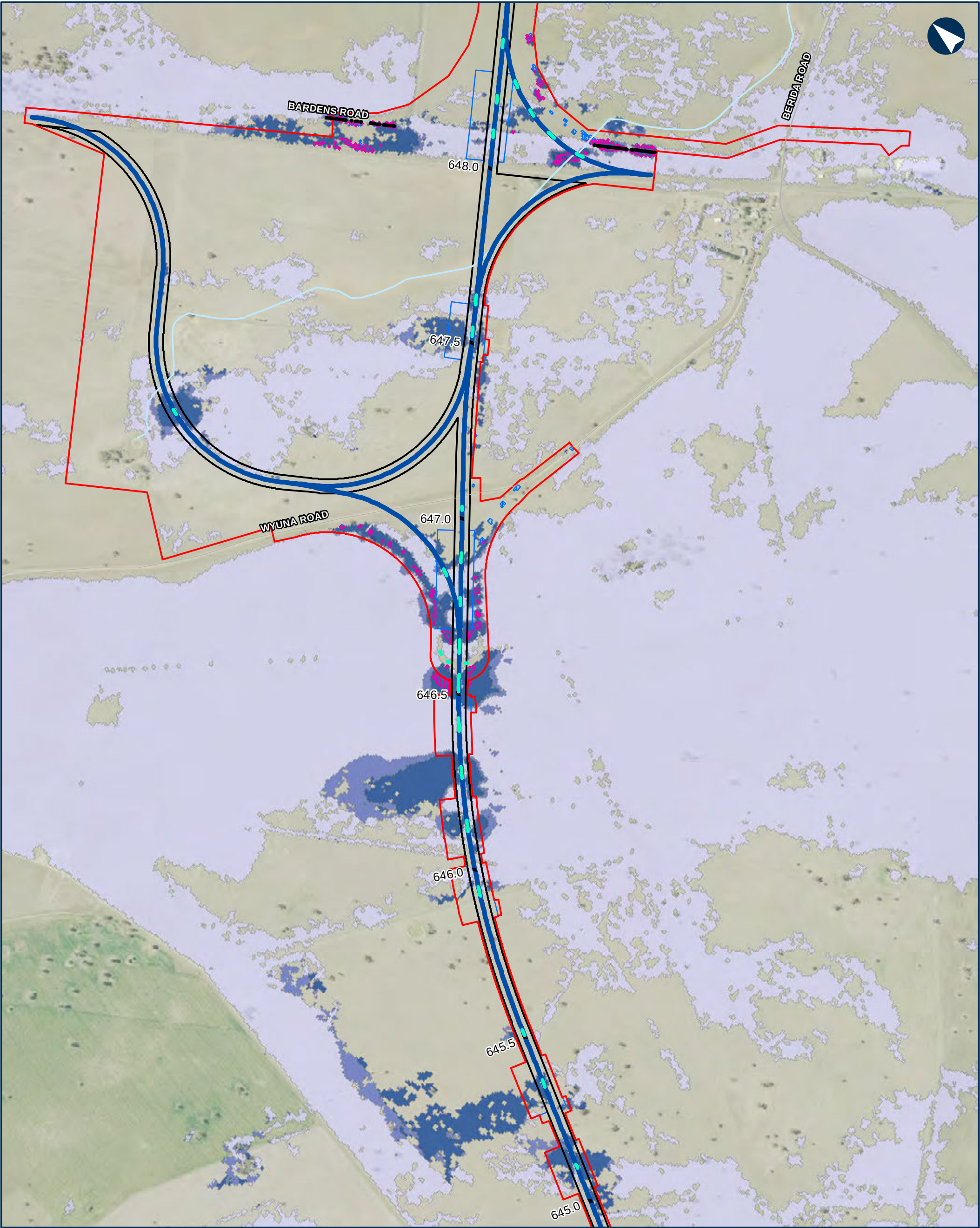
20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.33

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Sub arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

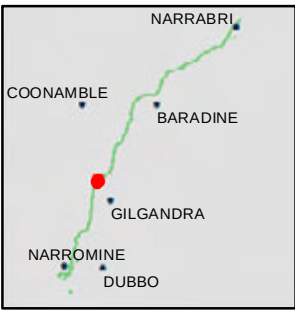
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

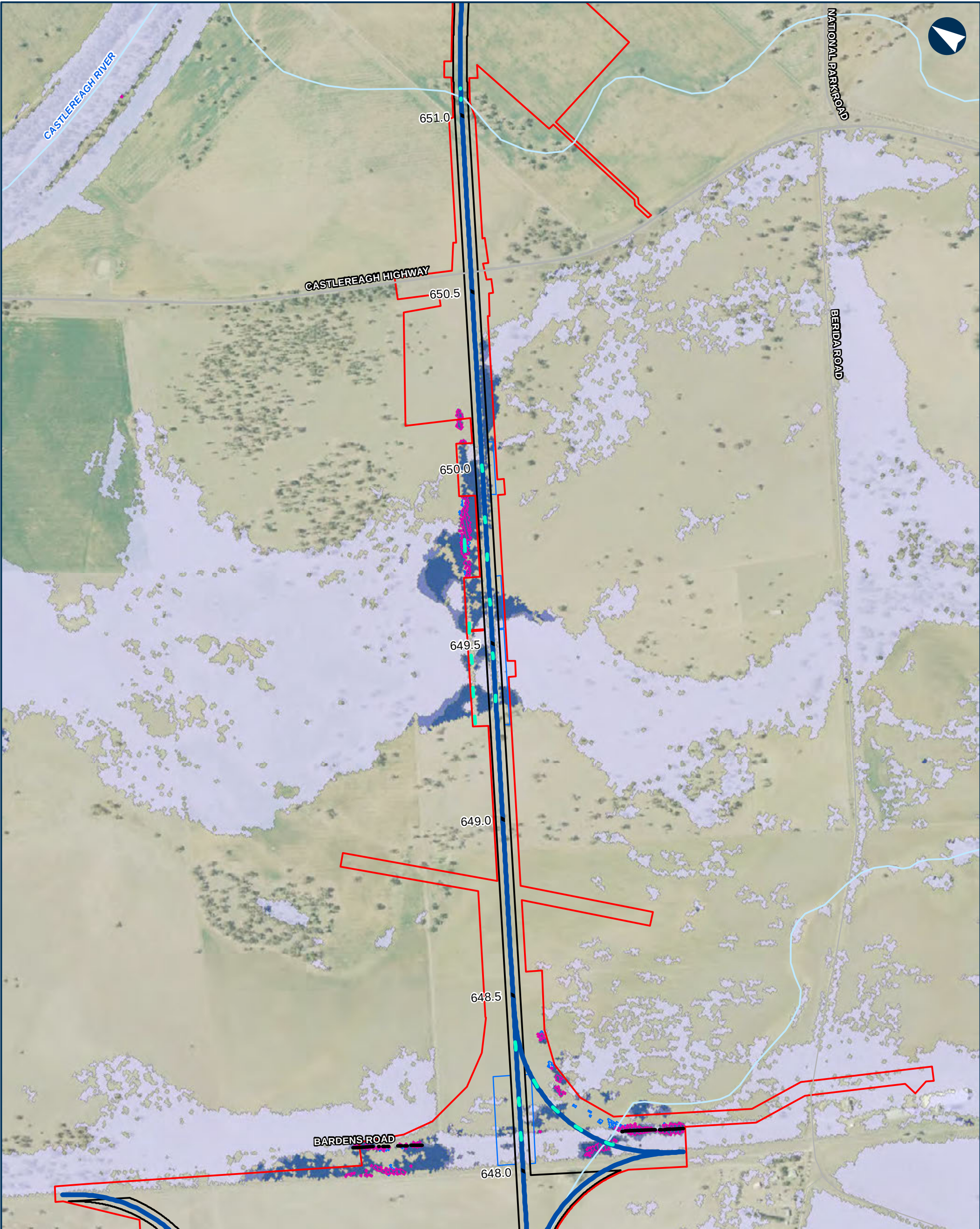
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.34

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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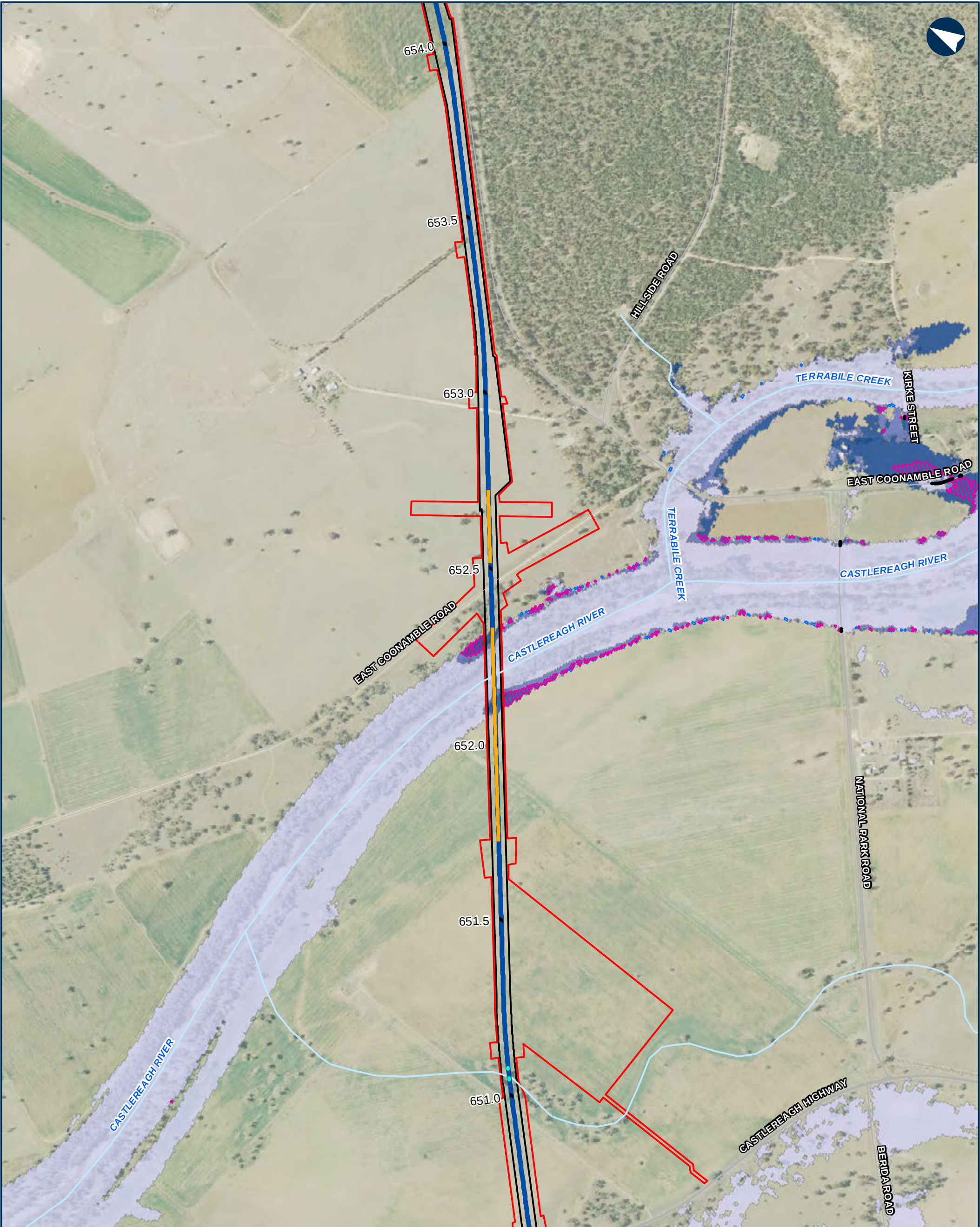
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Primary road
 - Sub arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.35

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Primary road

Sub arterial road

Local road

Watercourse

The proposal

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

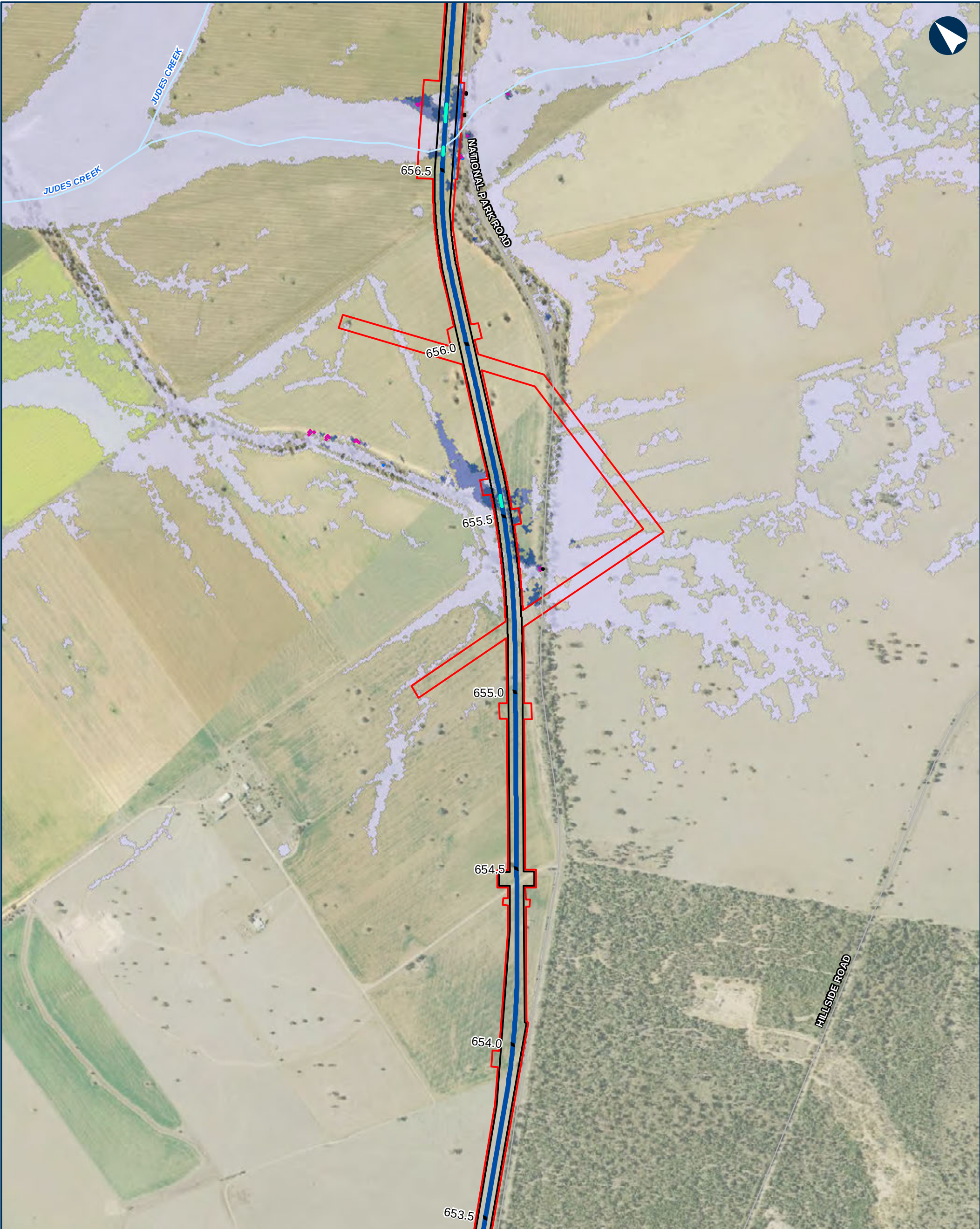
20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.36

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.37

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Sub arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

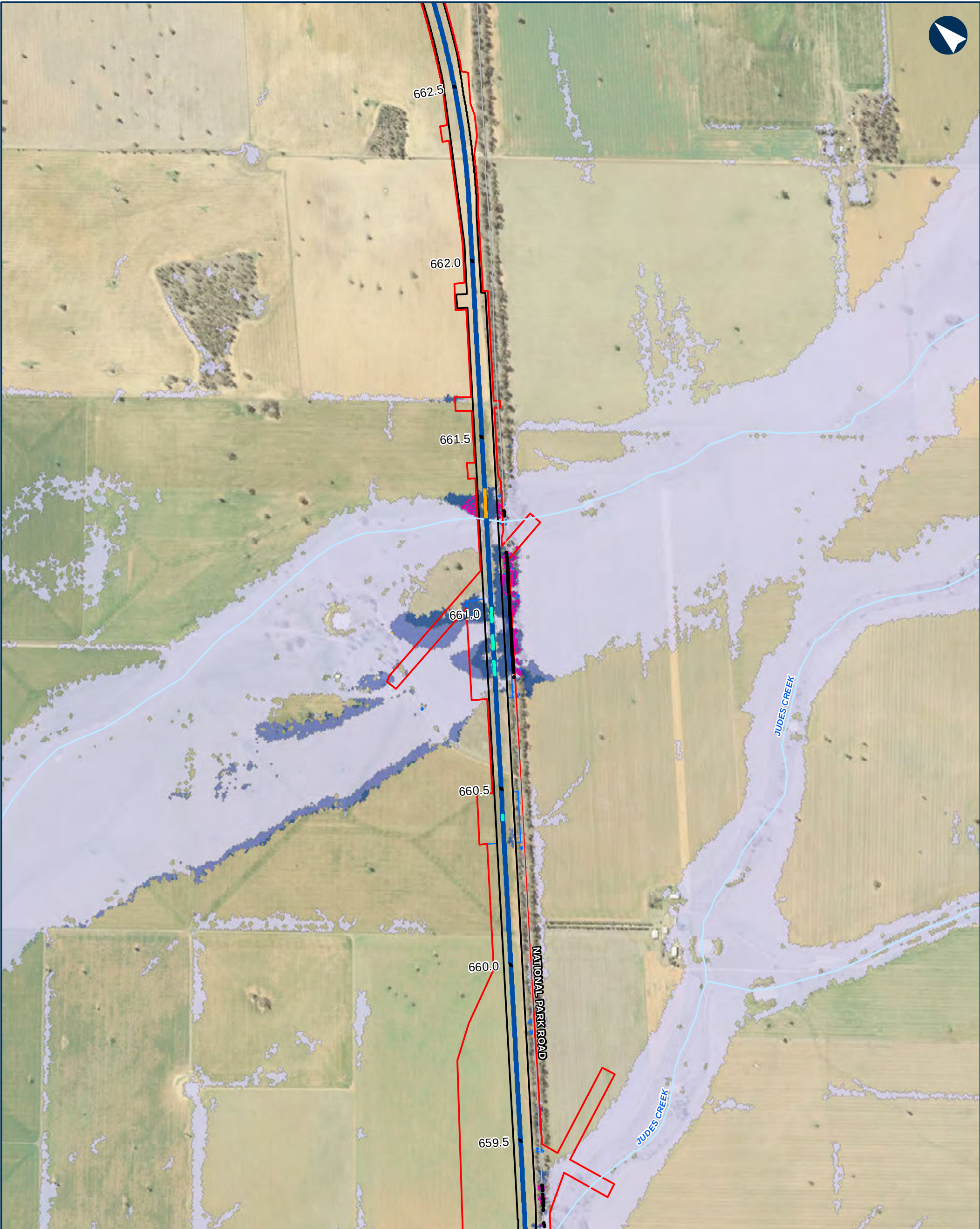
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.38

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Buildings and sealed surfaces, vd change >10%

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

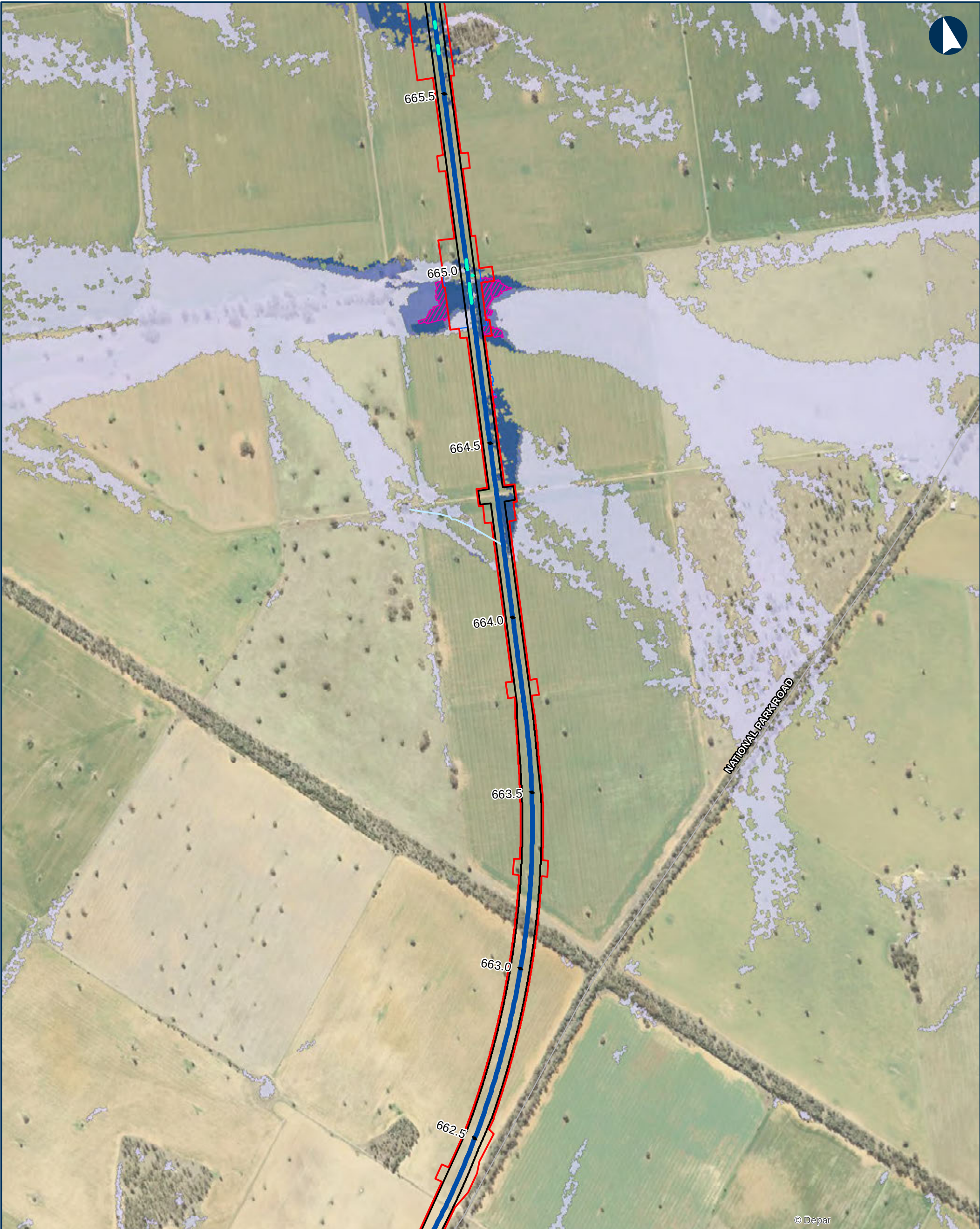
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.39

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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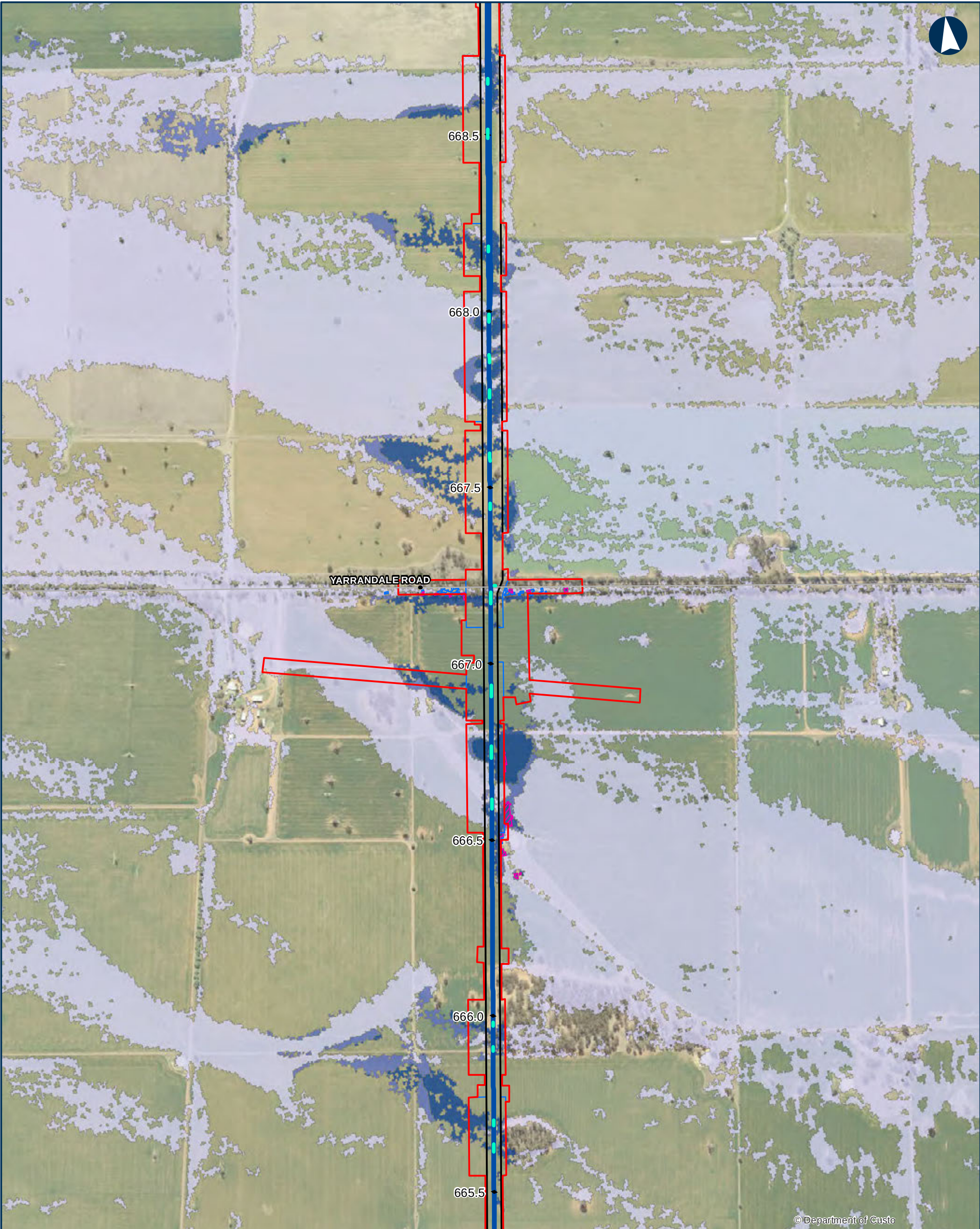
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.40

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.41

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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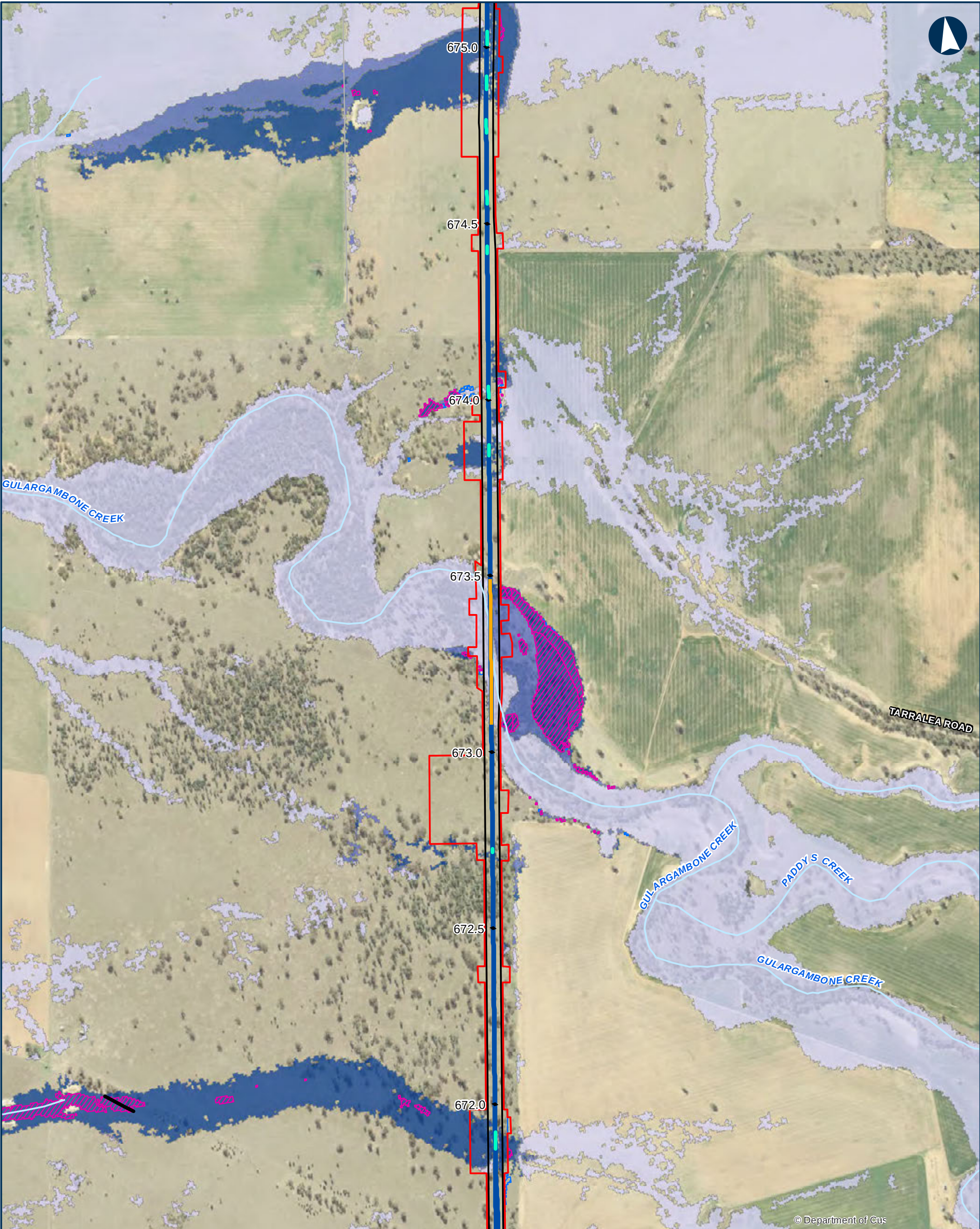
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.42

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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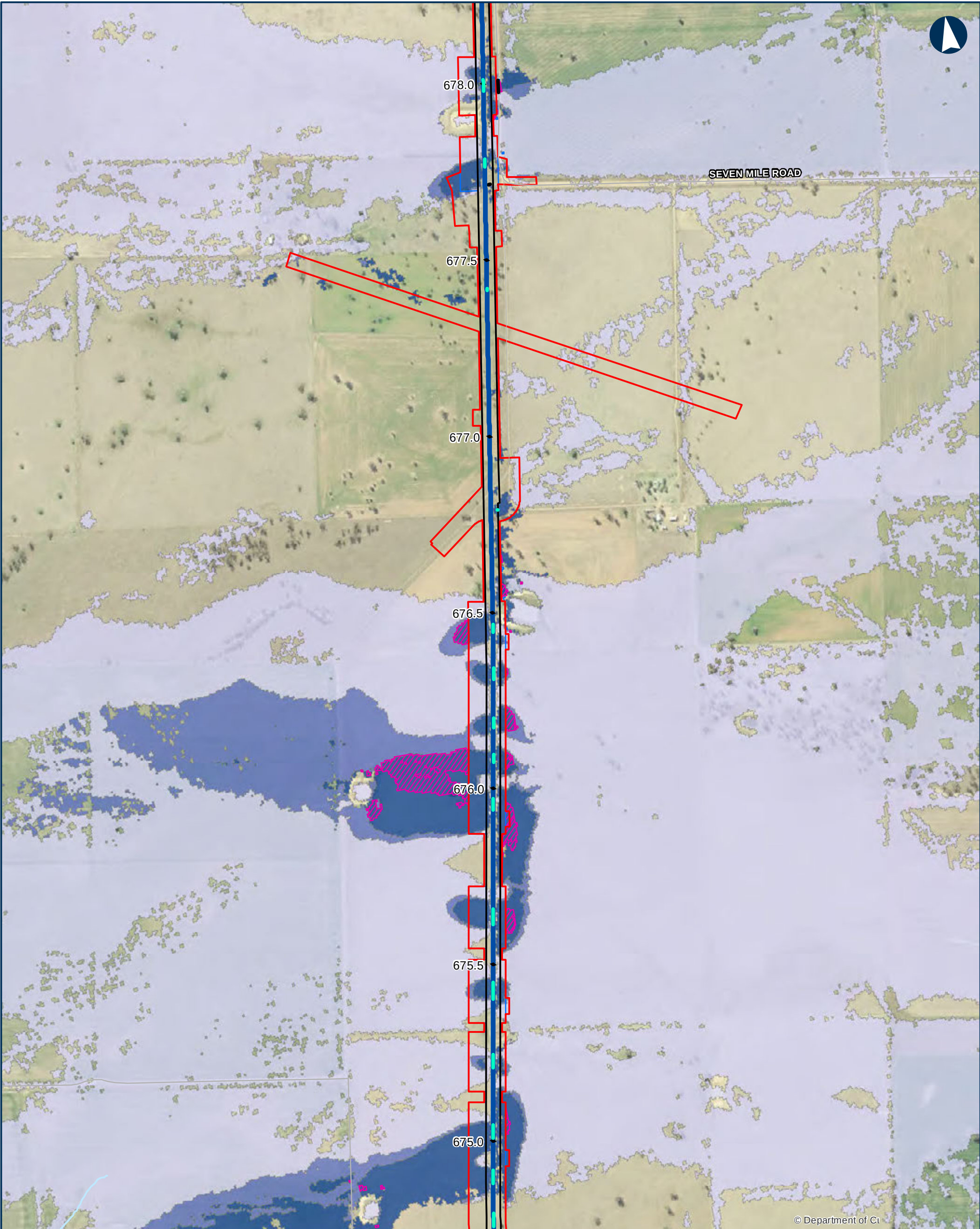
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.43

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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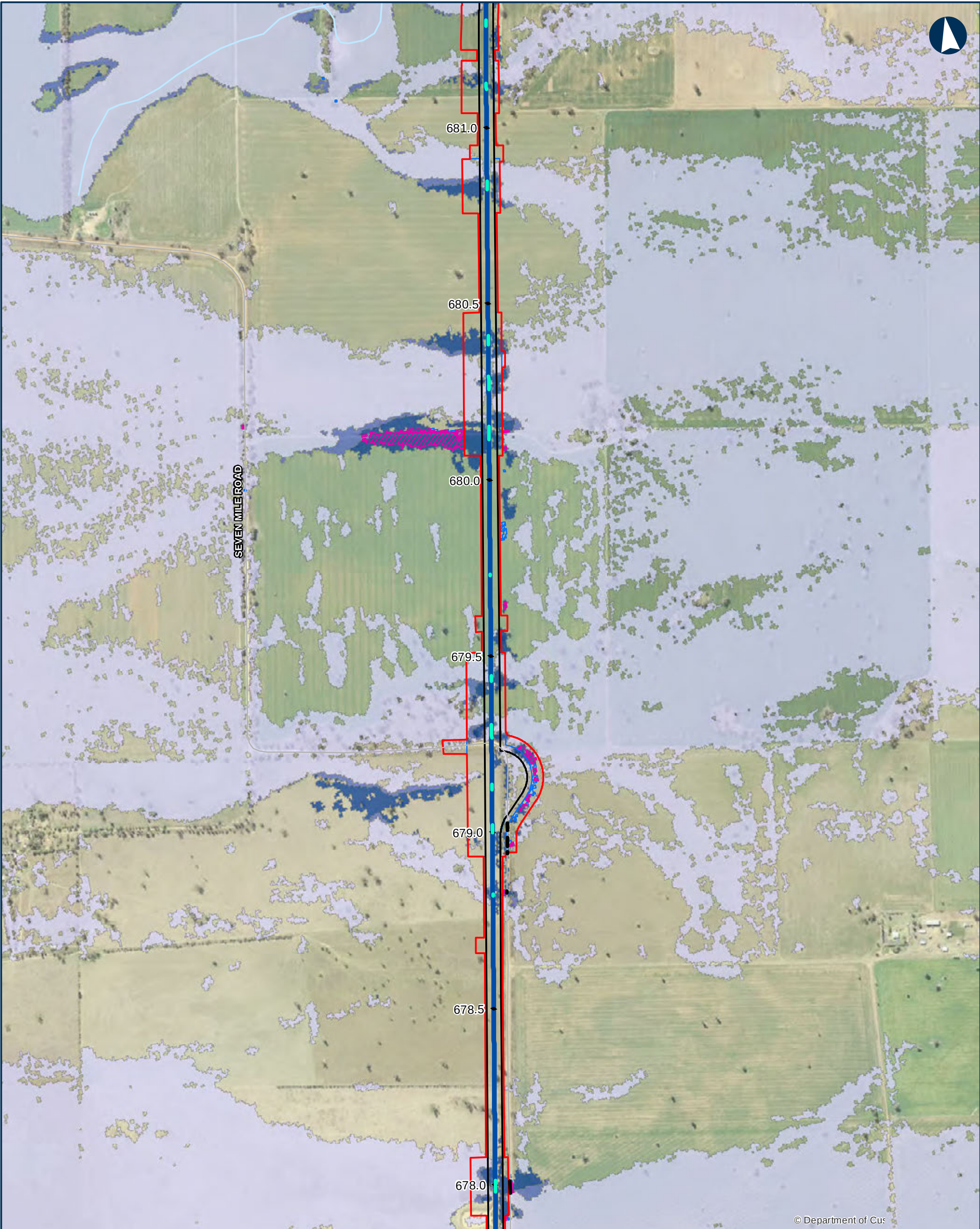
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.44

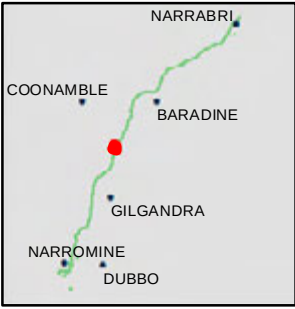
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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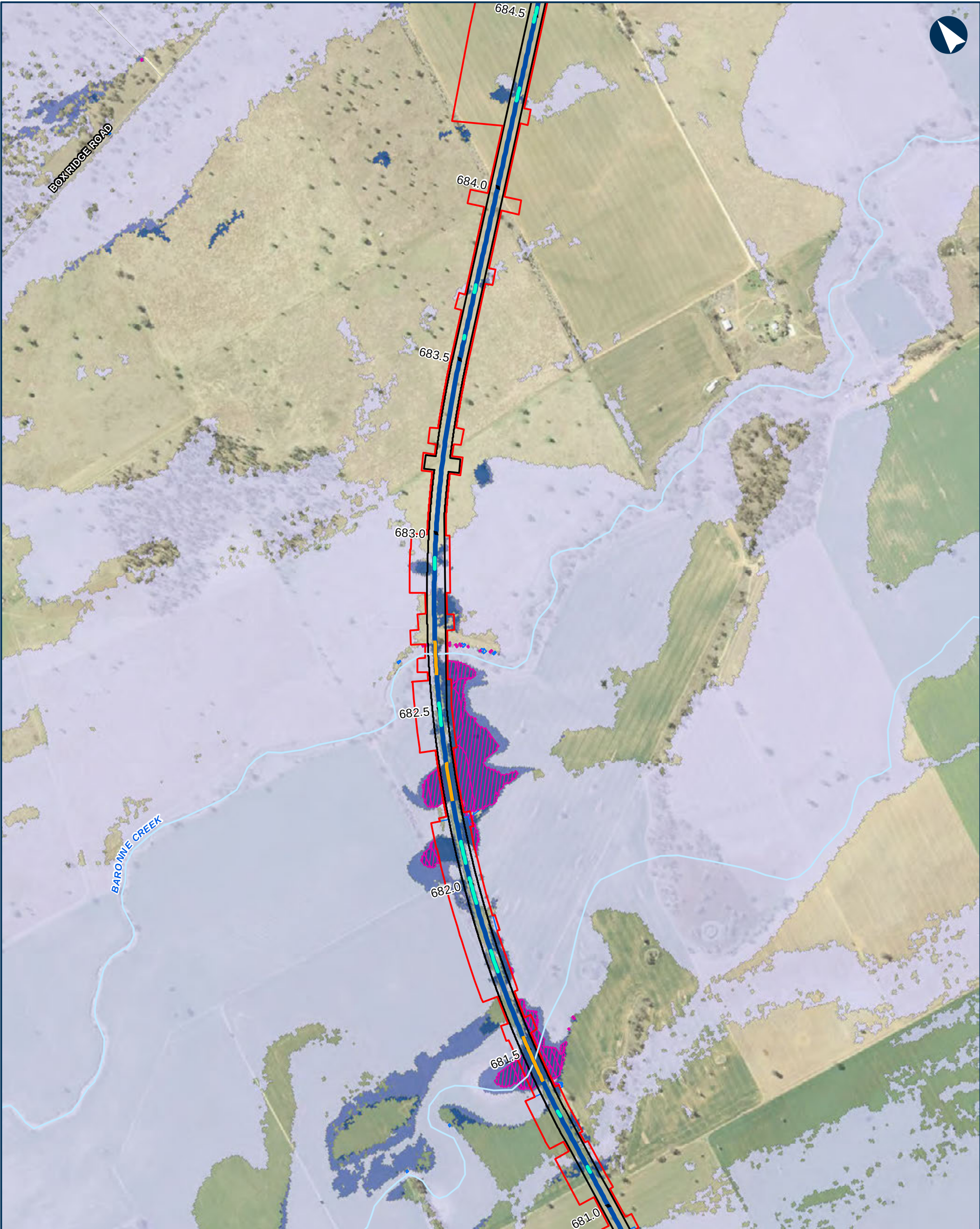
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.45

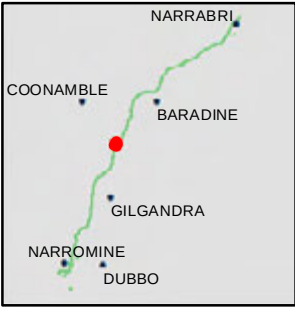
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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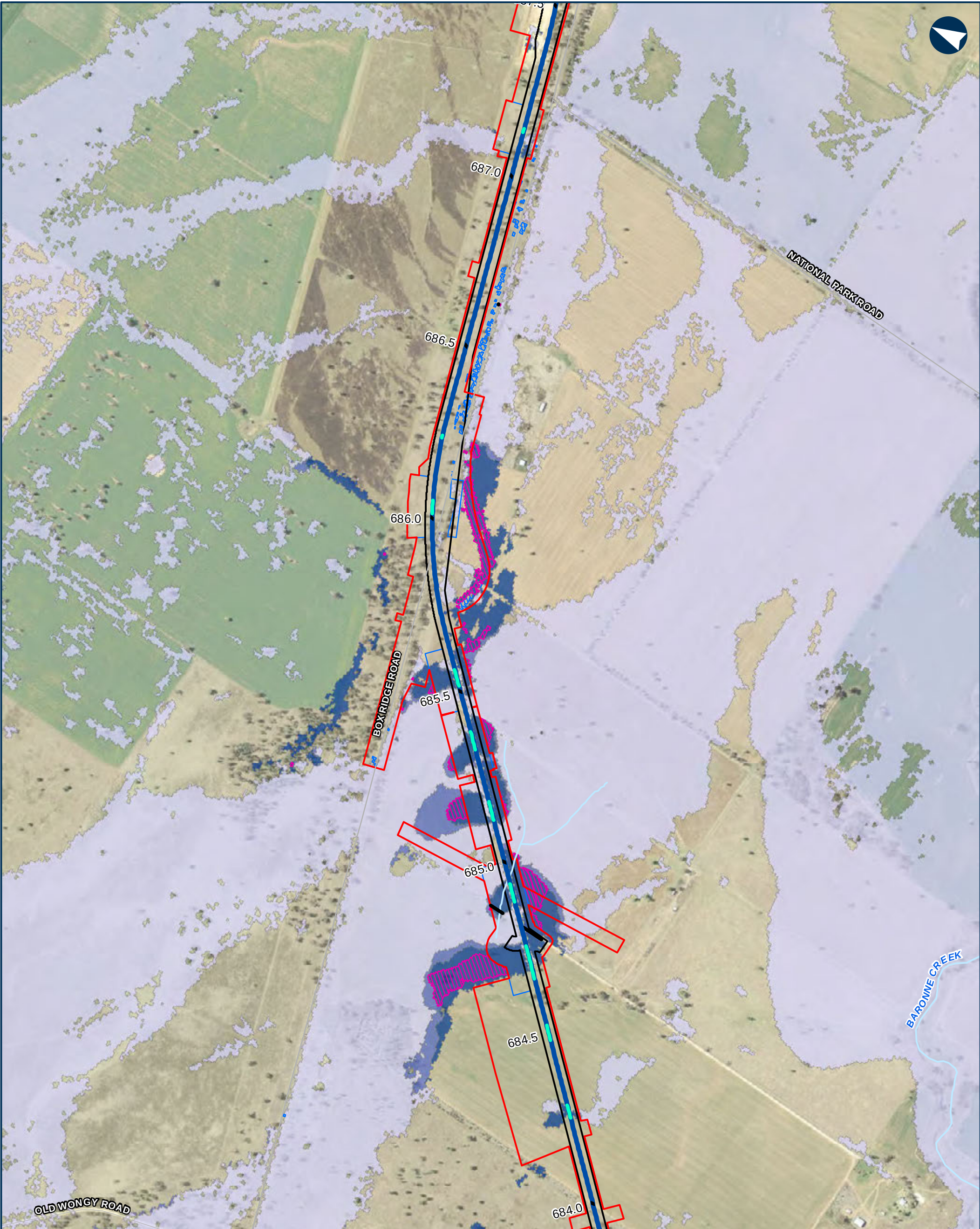
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Sub arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.46

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Sub arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

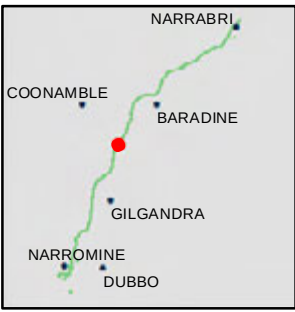
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

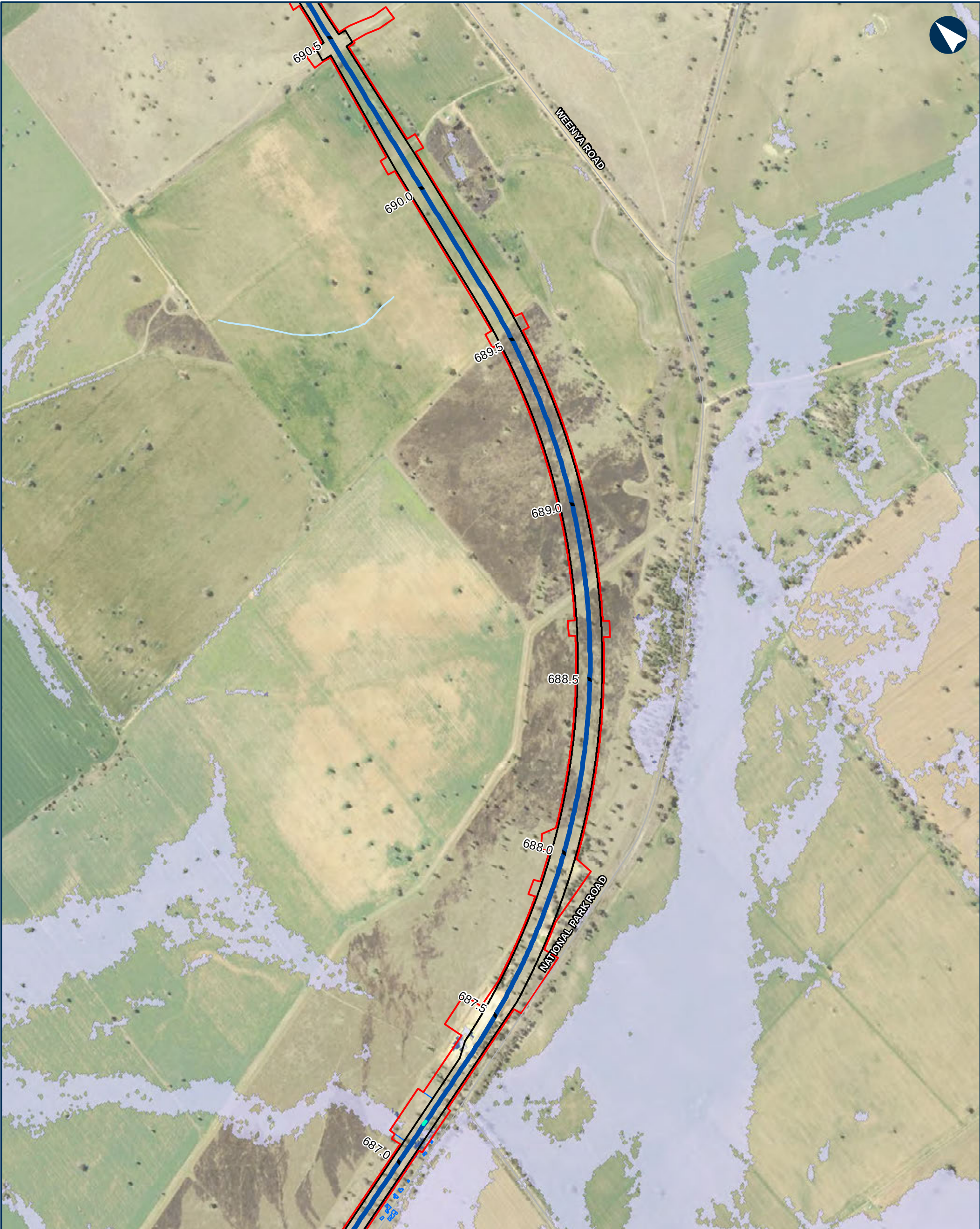
20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.47

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

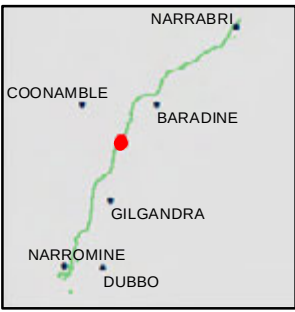
Design flooded, not flooded existing

Percentage Change

0% - 10%

10% - 20%

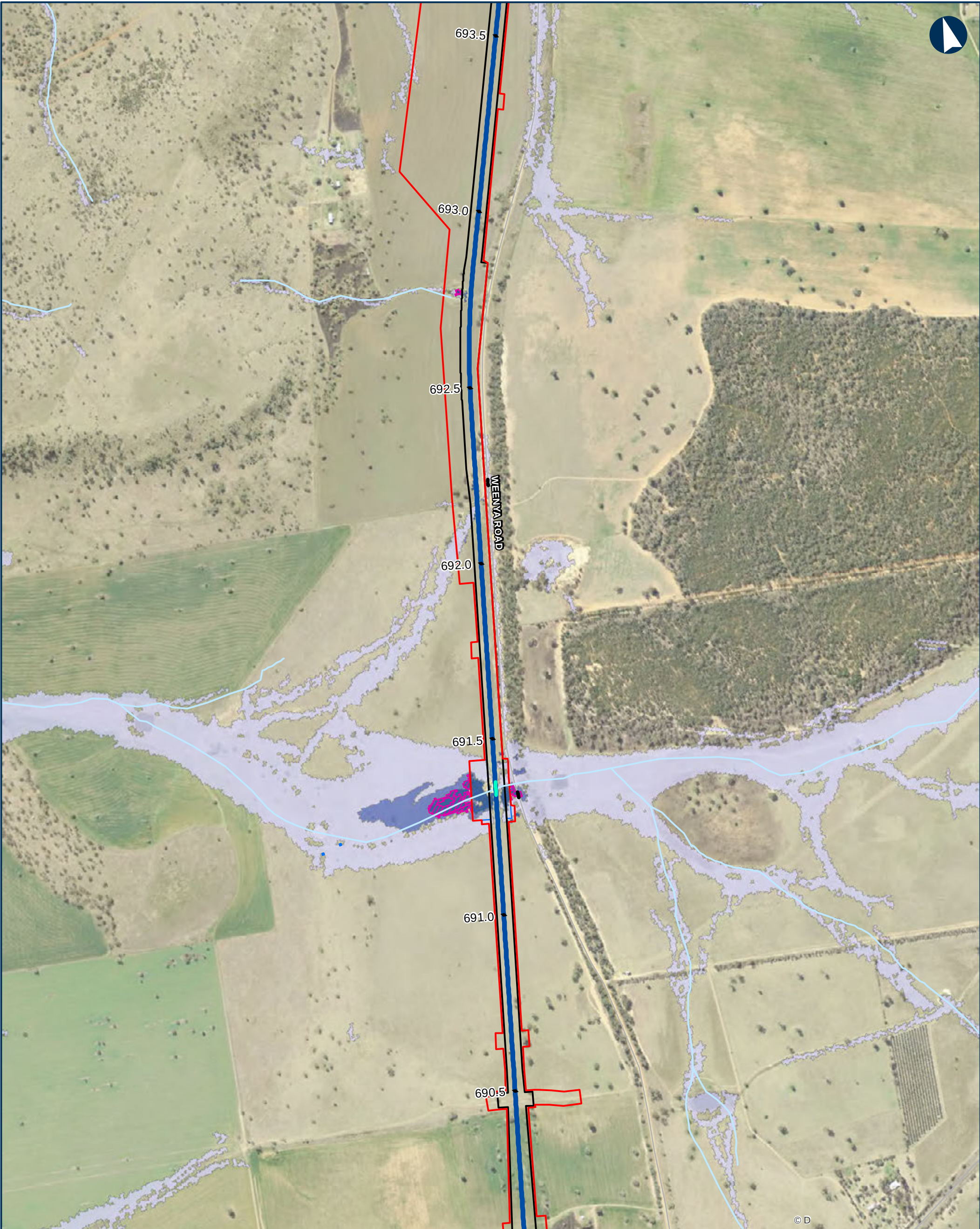
20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.48

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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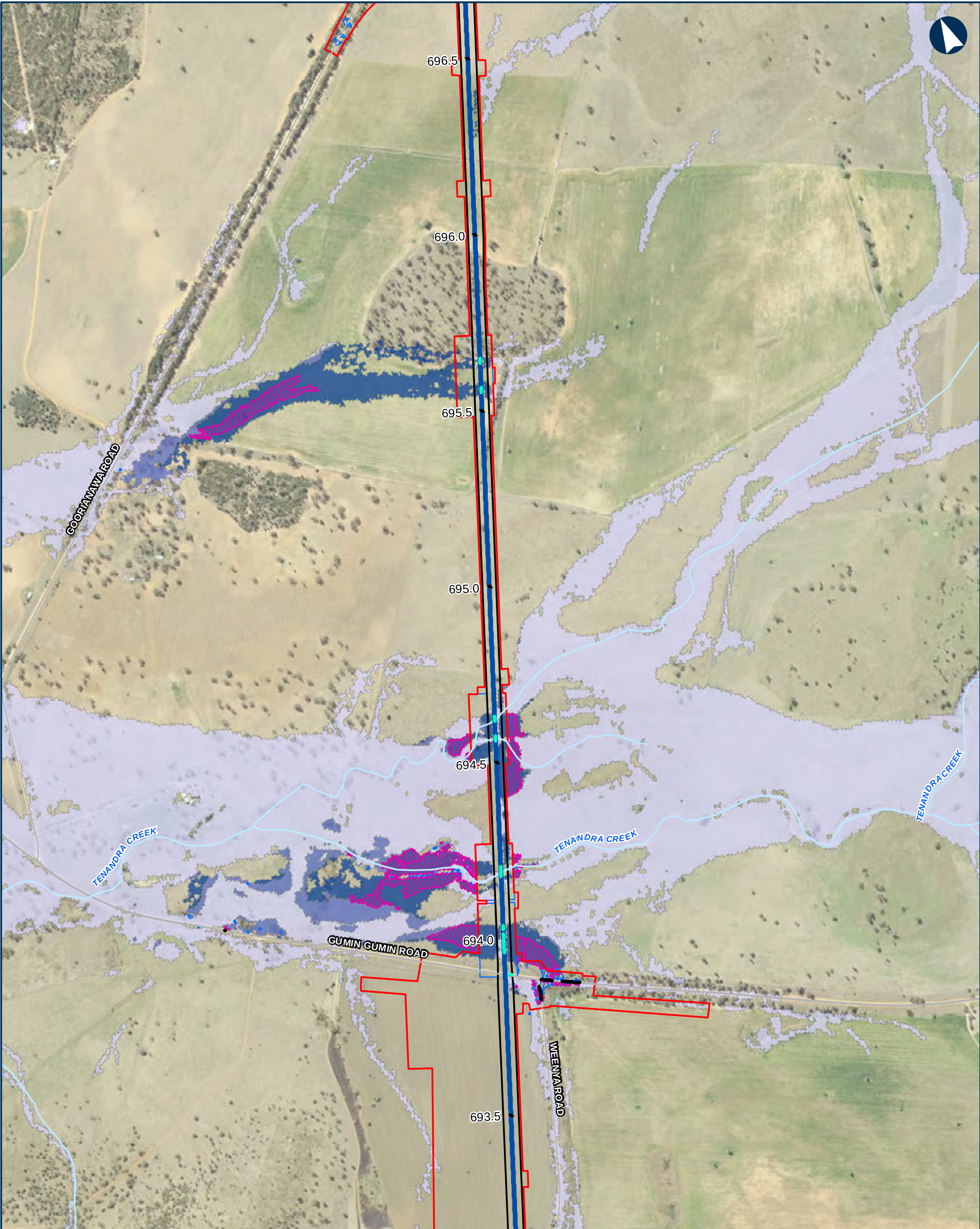
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.49

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Arterial road

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

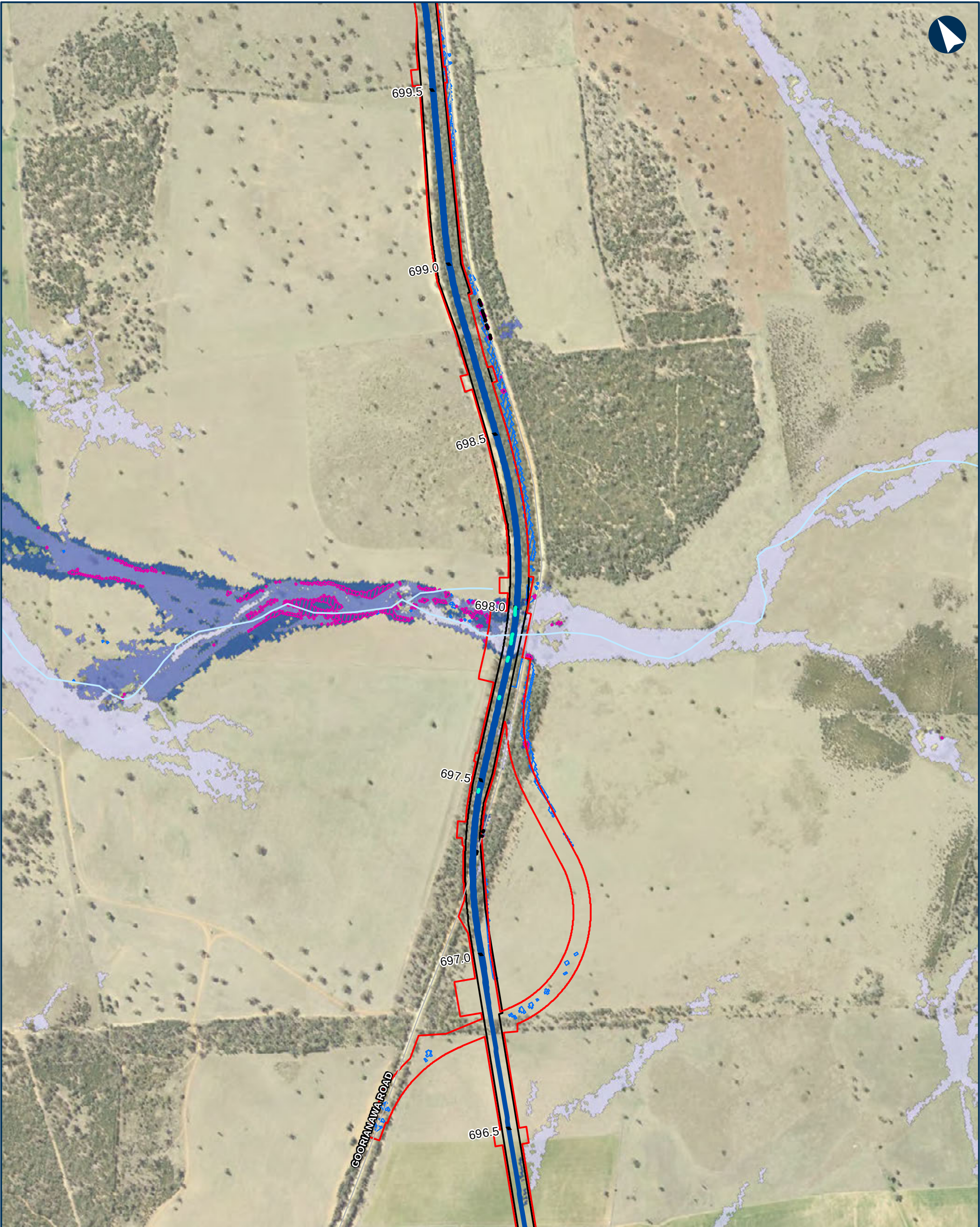
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.50

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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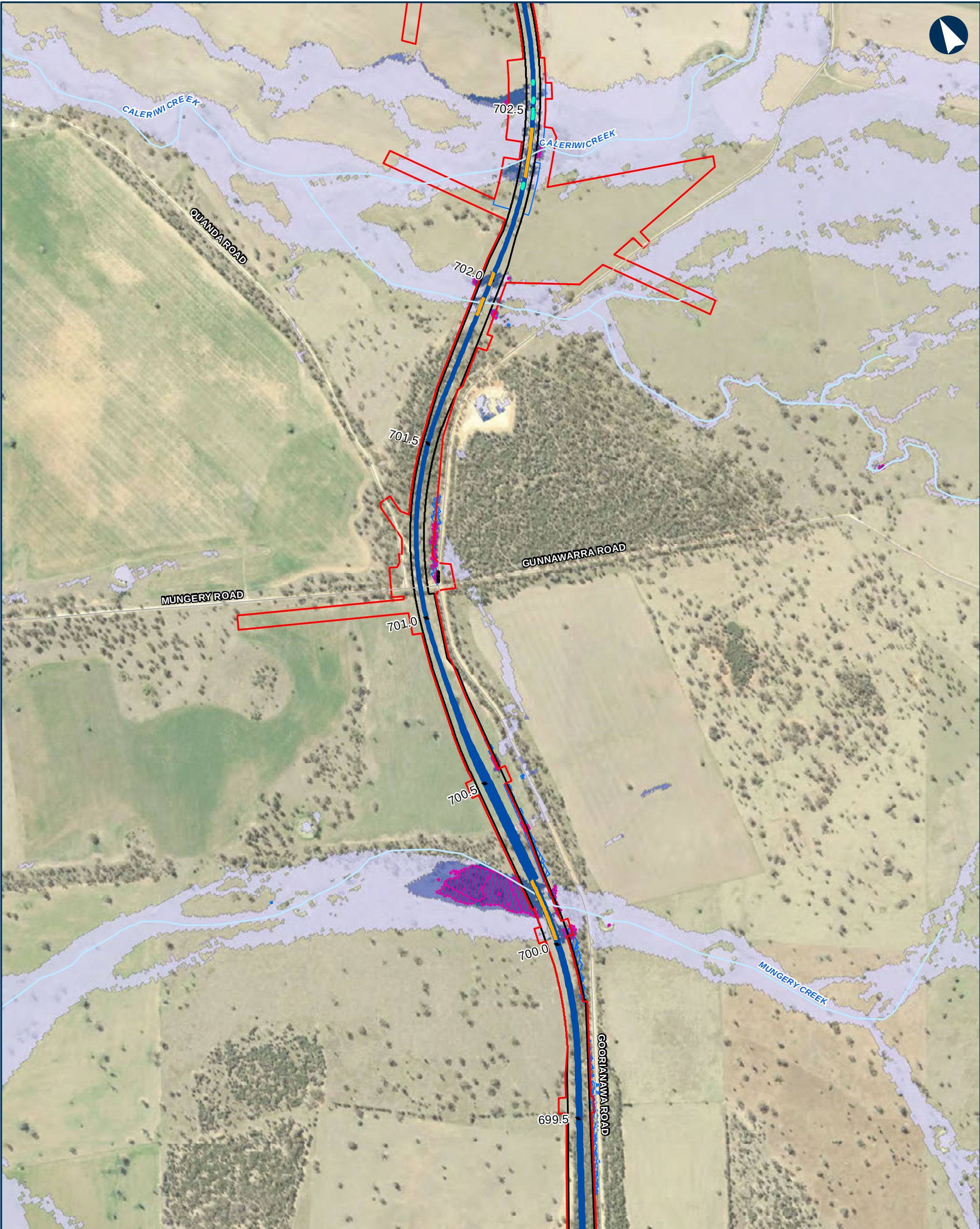
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.51

0 200 400 Metres

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Sub arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

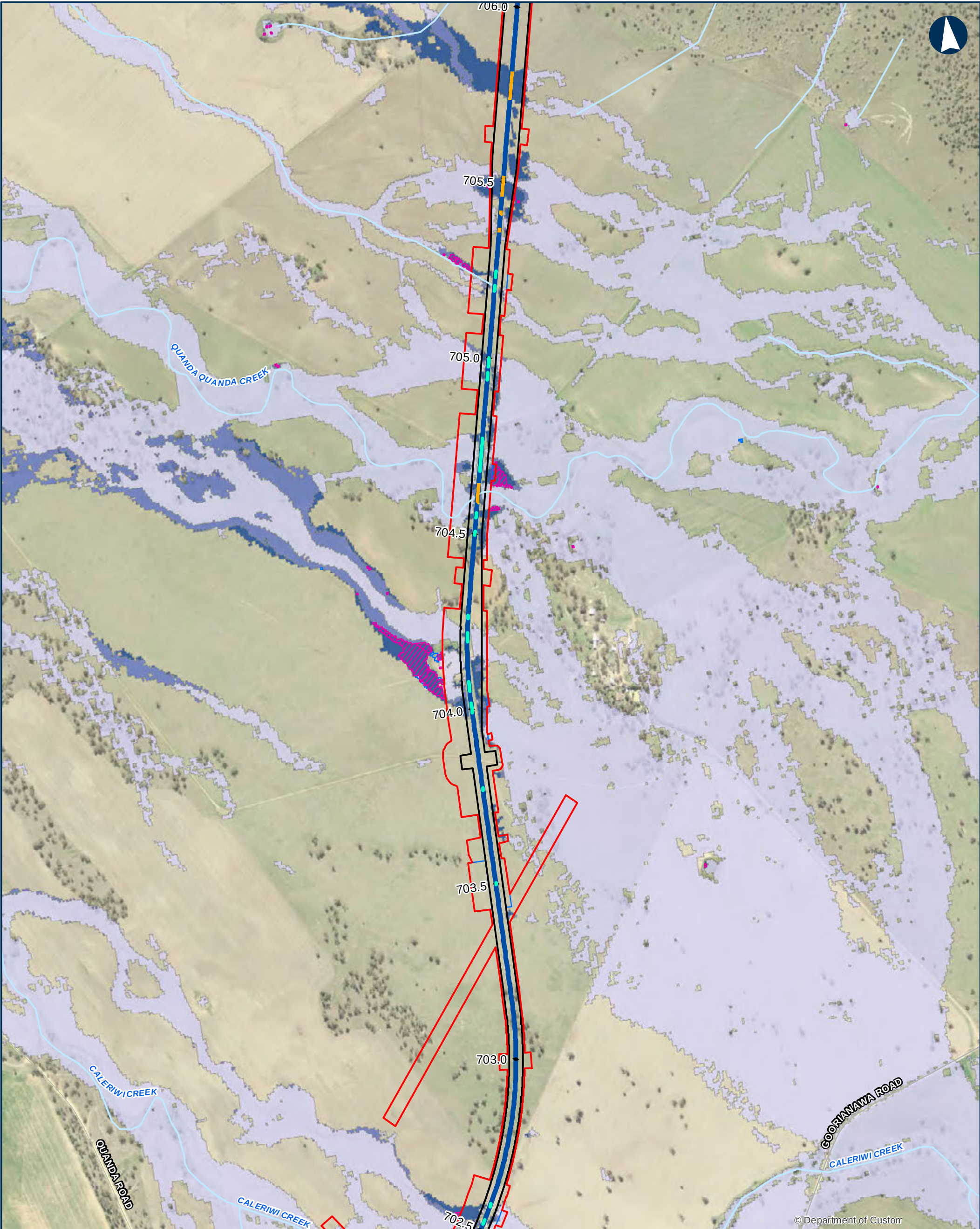
20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.52

0 200 400 Metres

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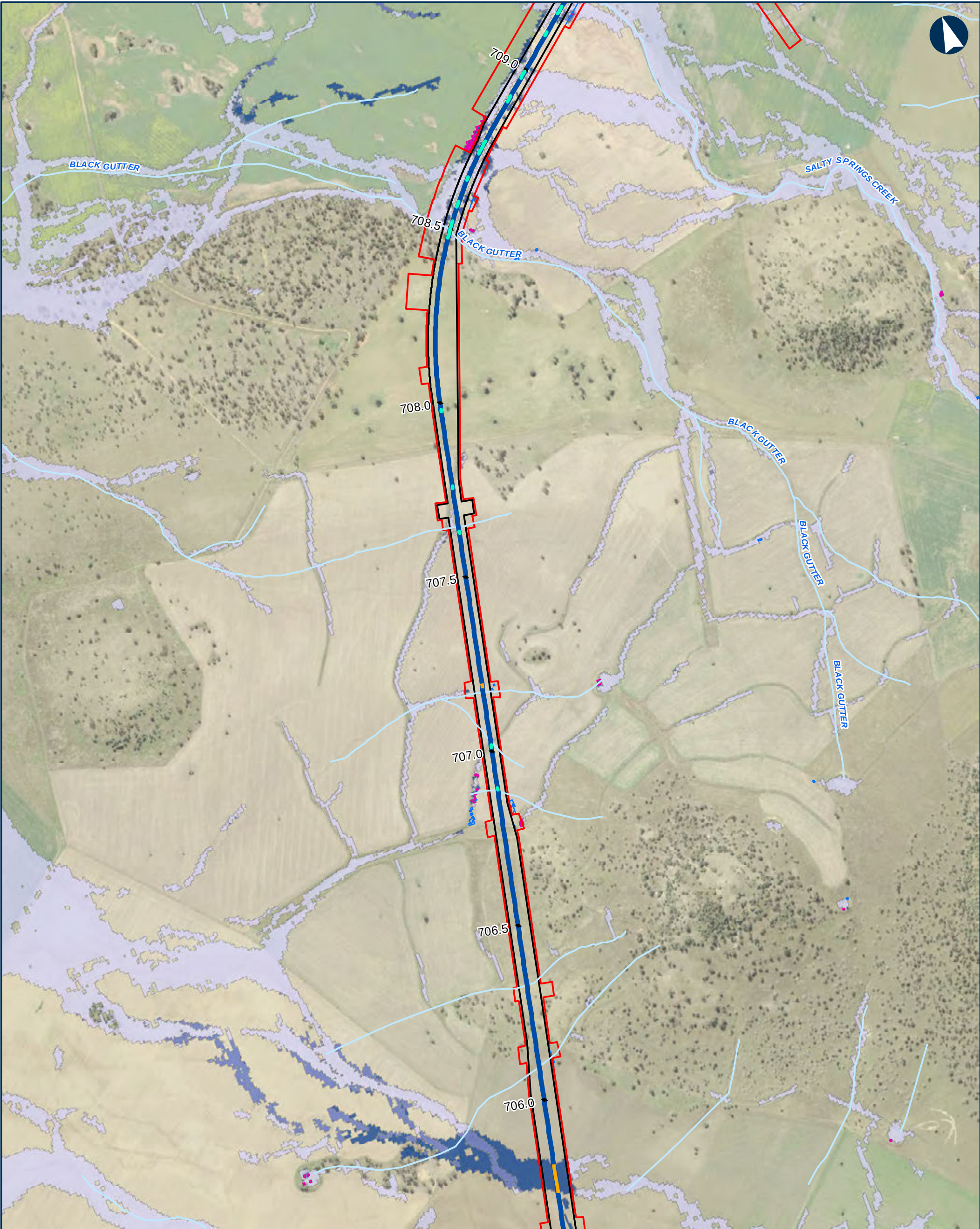
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Sub arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.53

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Alignment

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

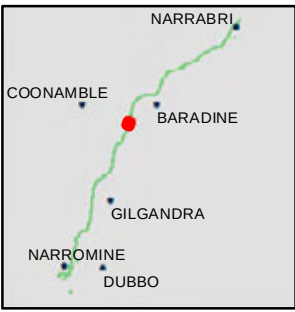
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

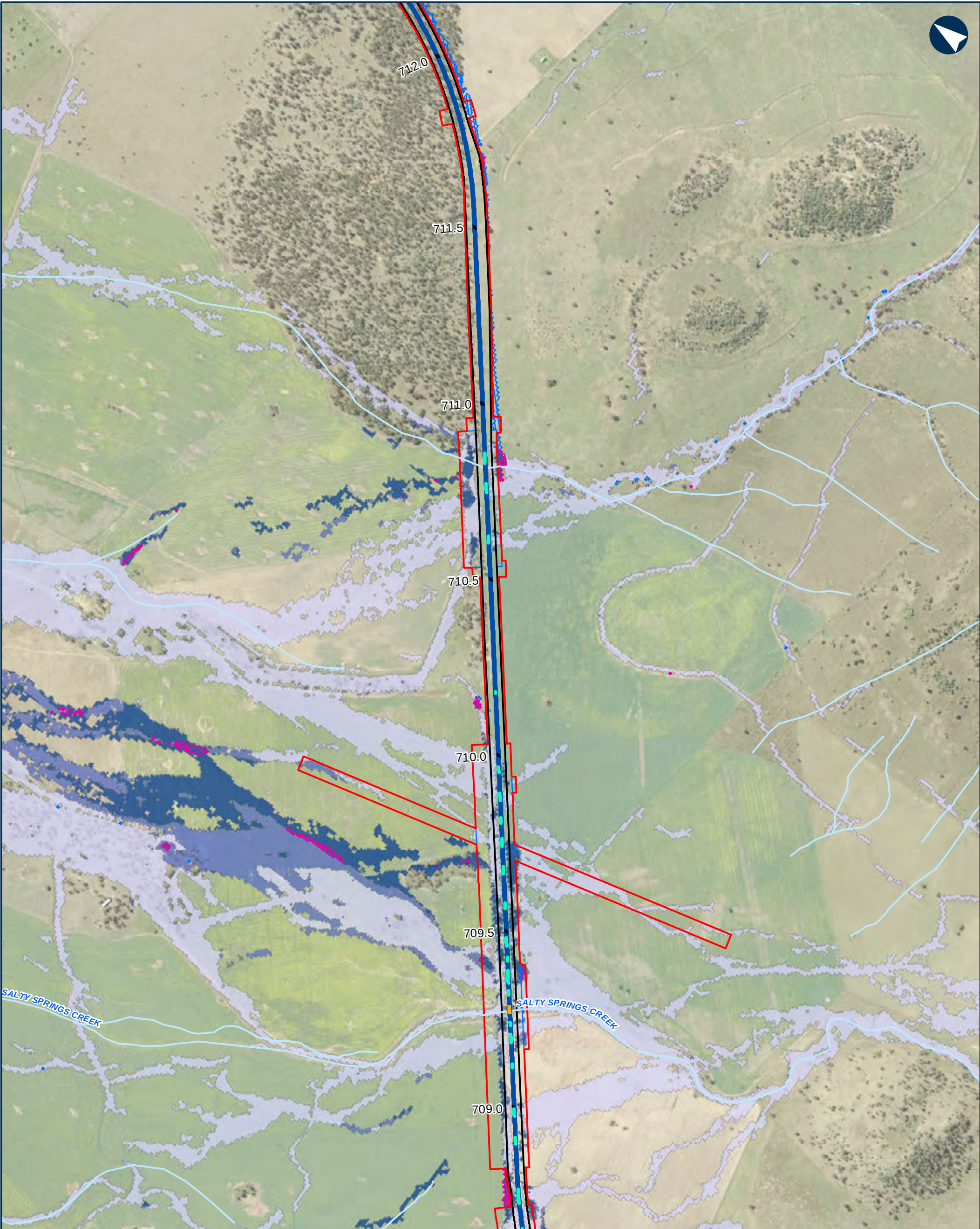
20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.54

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Bridge

Culvert

Alignment

Watercourse

The proposal

Drainage Control Area

Rail Corridor

Area of departure

Design flooded, not flooded existing

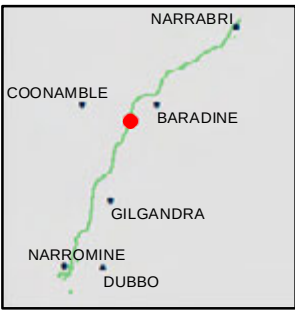
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

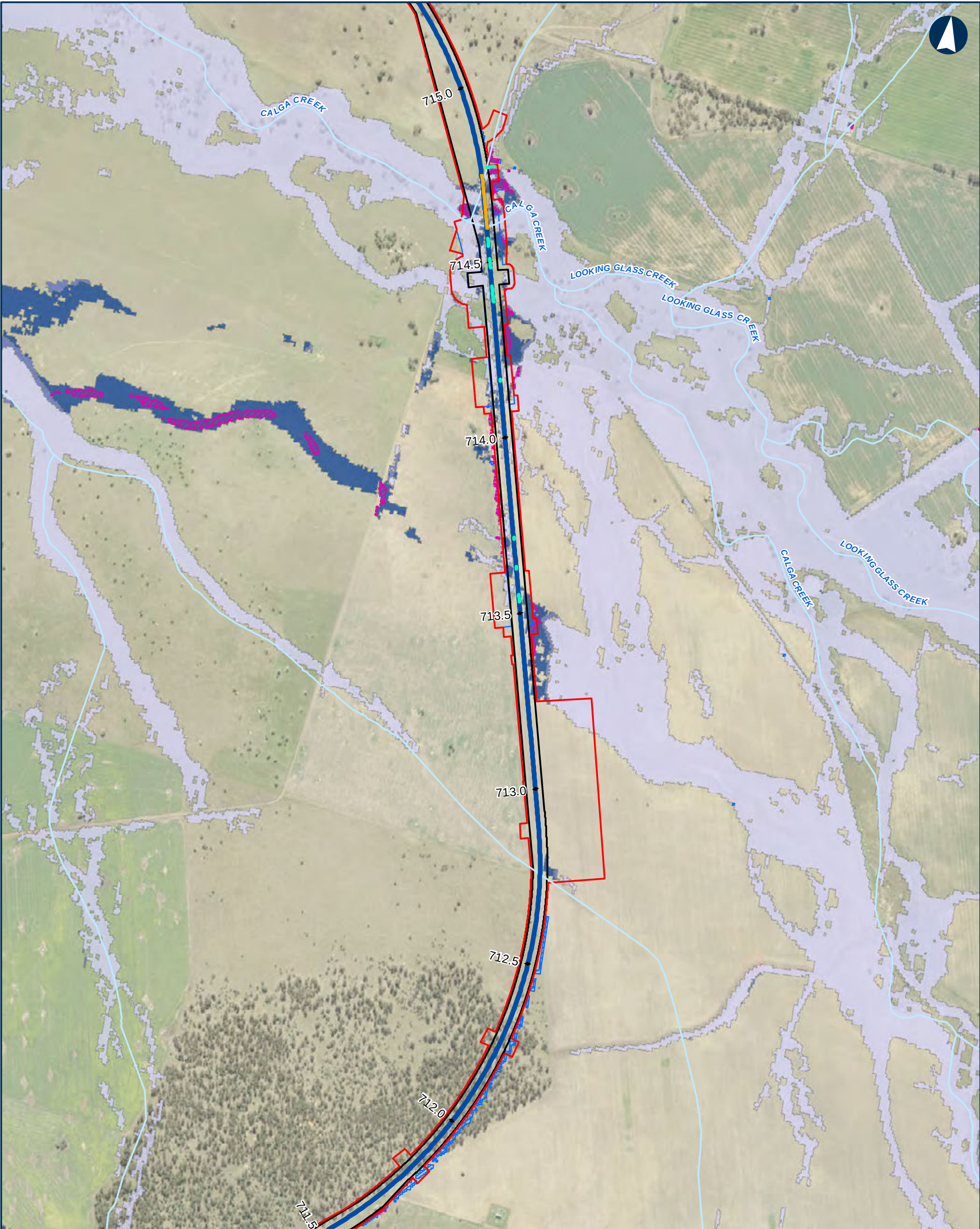
10% - 20%

20%+



INLAND RAIL ARTC

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.55

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Alignment

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

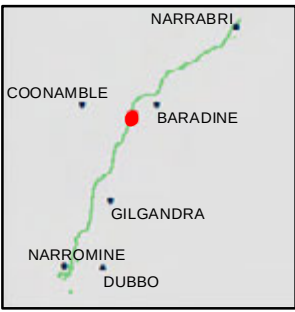
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

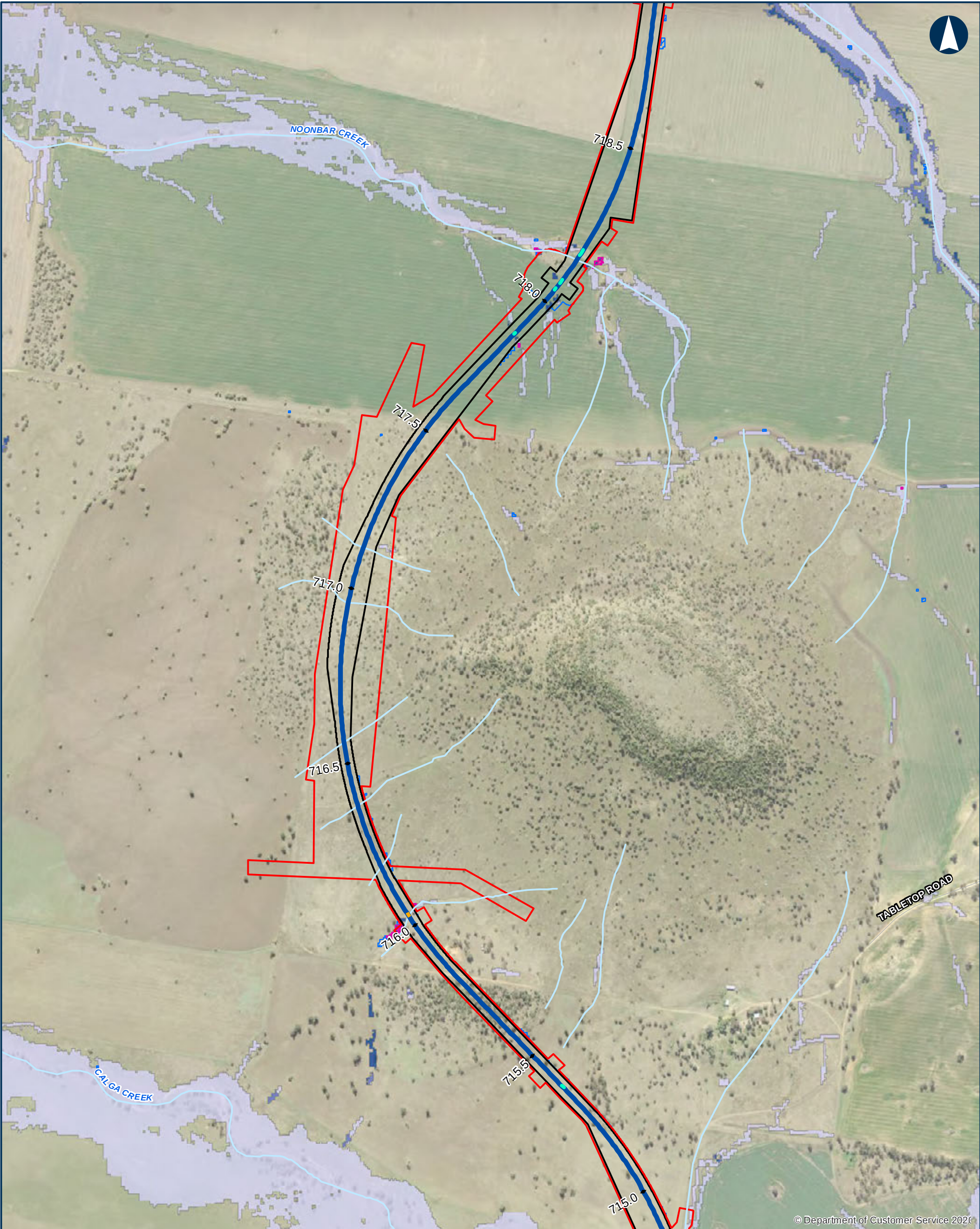
20%+



INLAND RAIL

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.56

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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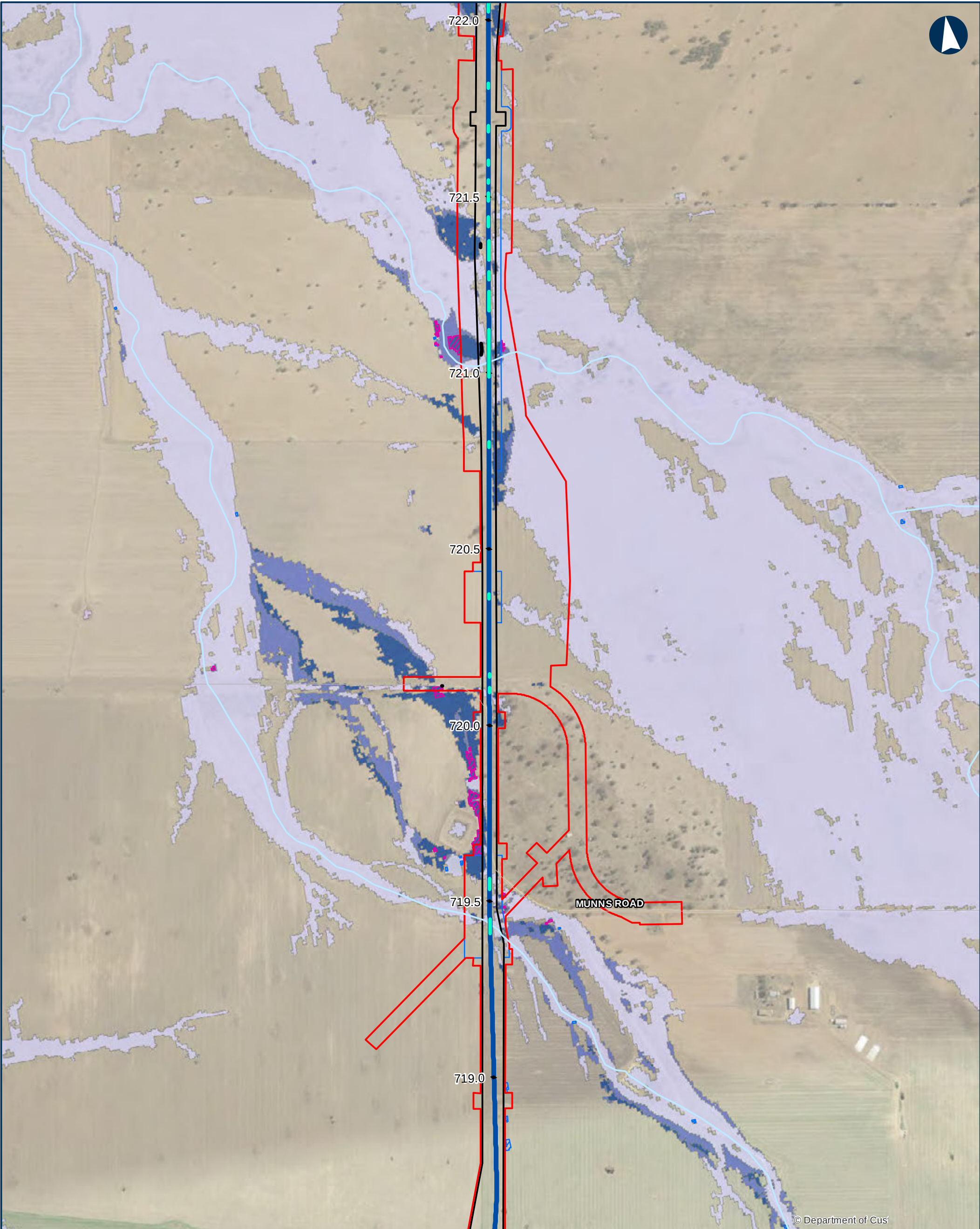
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.57

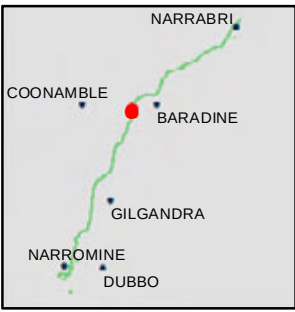
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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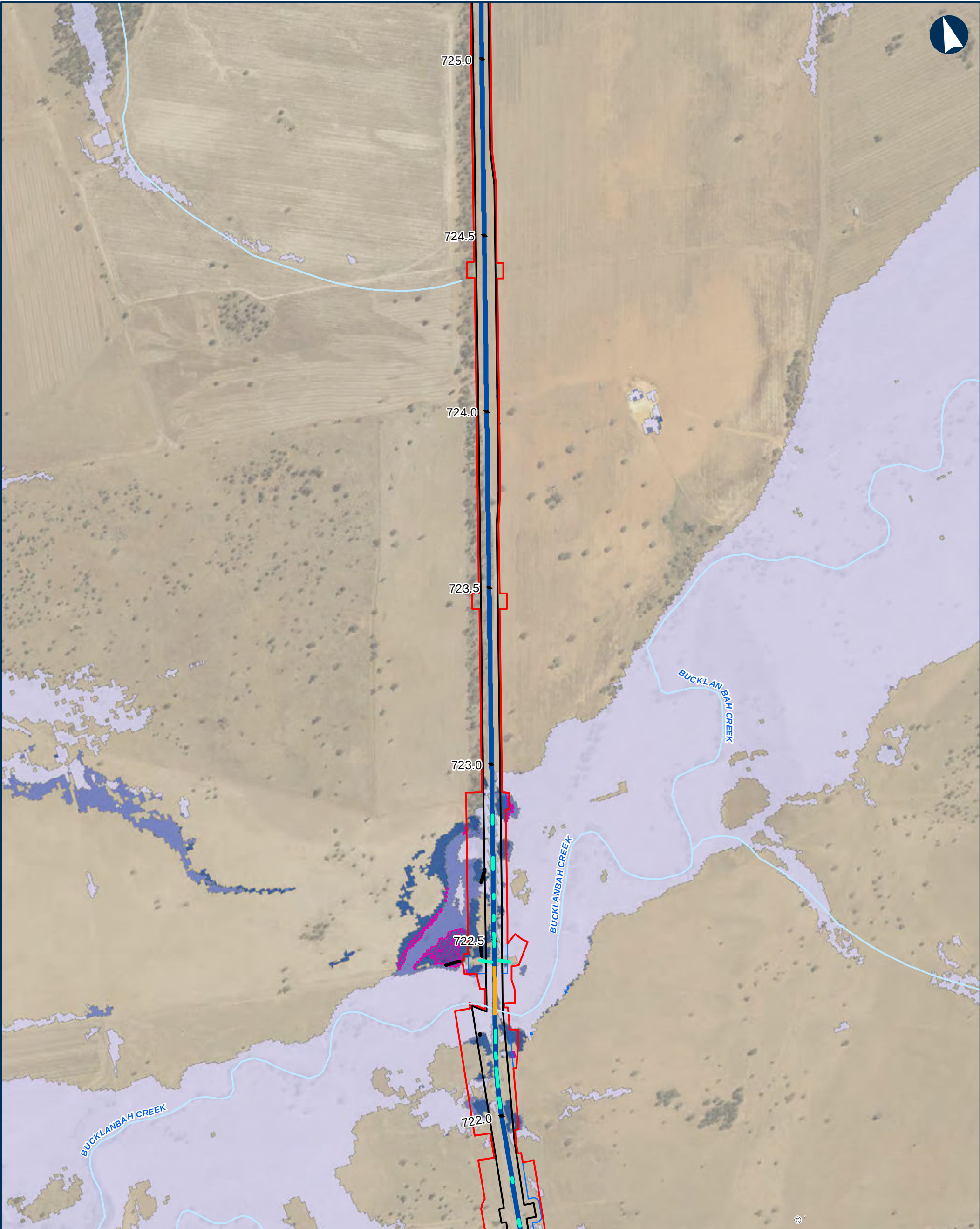
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



INLAND RAIL ARTC

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.58

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

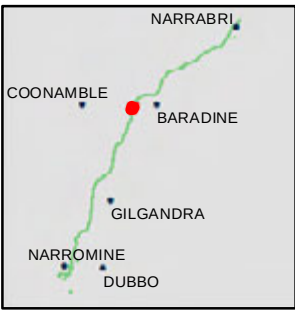
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.59

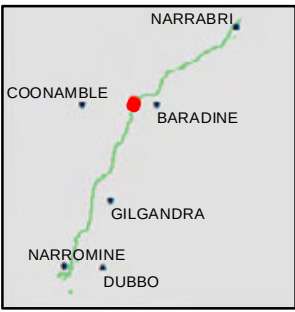
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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

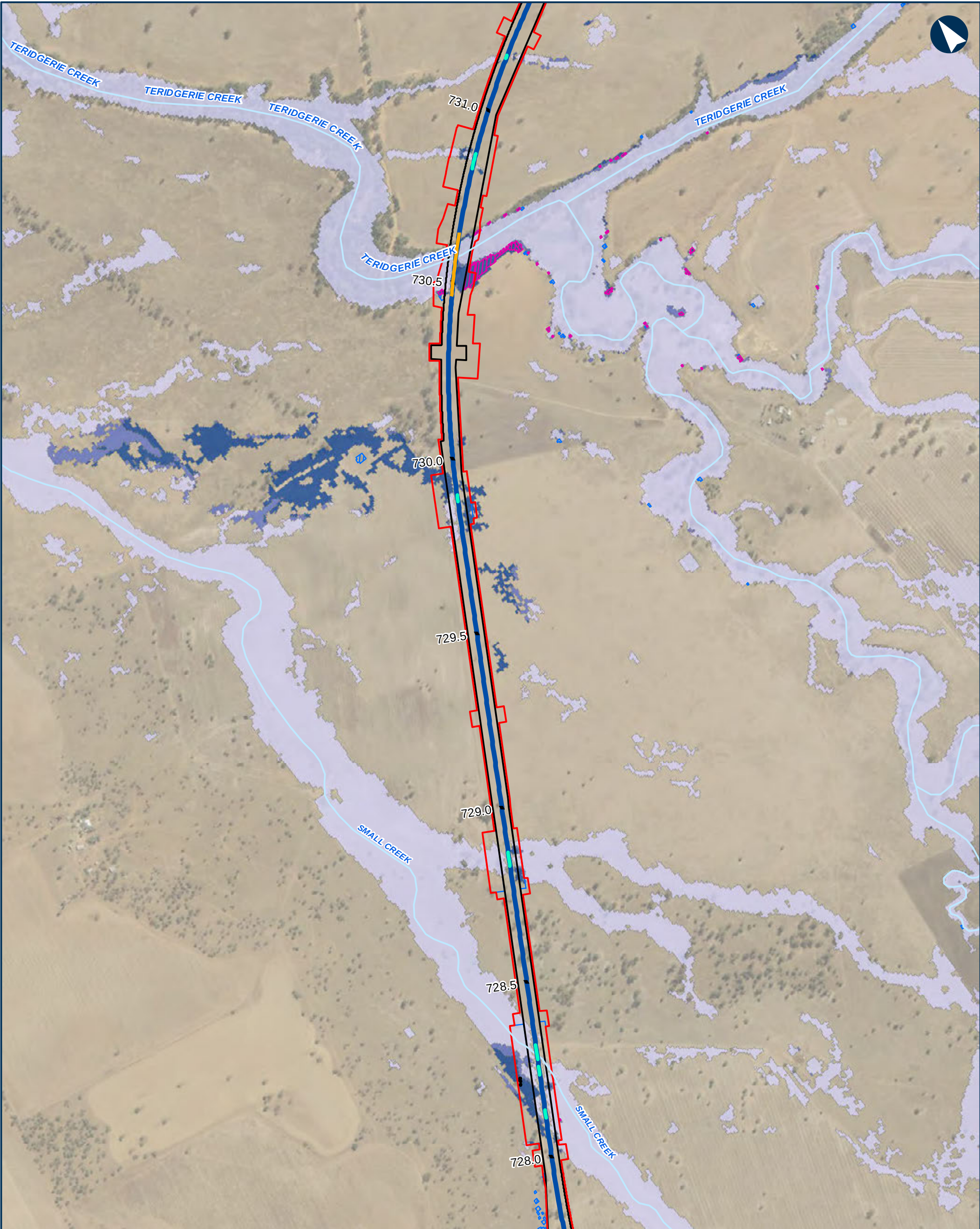
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.60

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

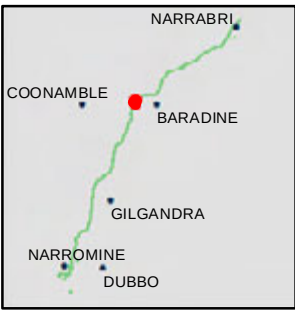
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.61

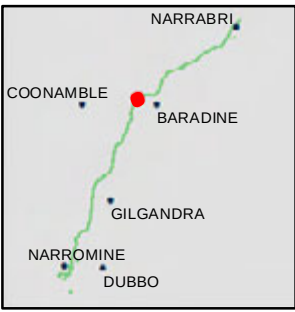
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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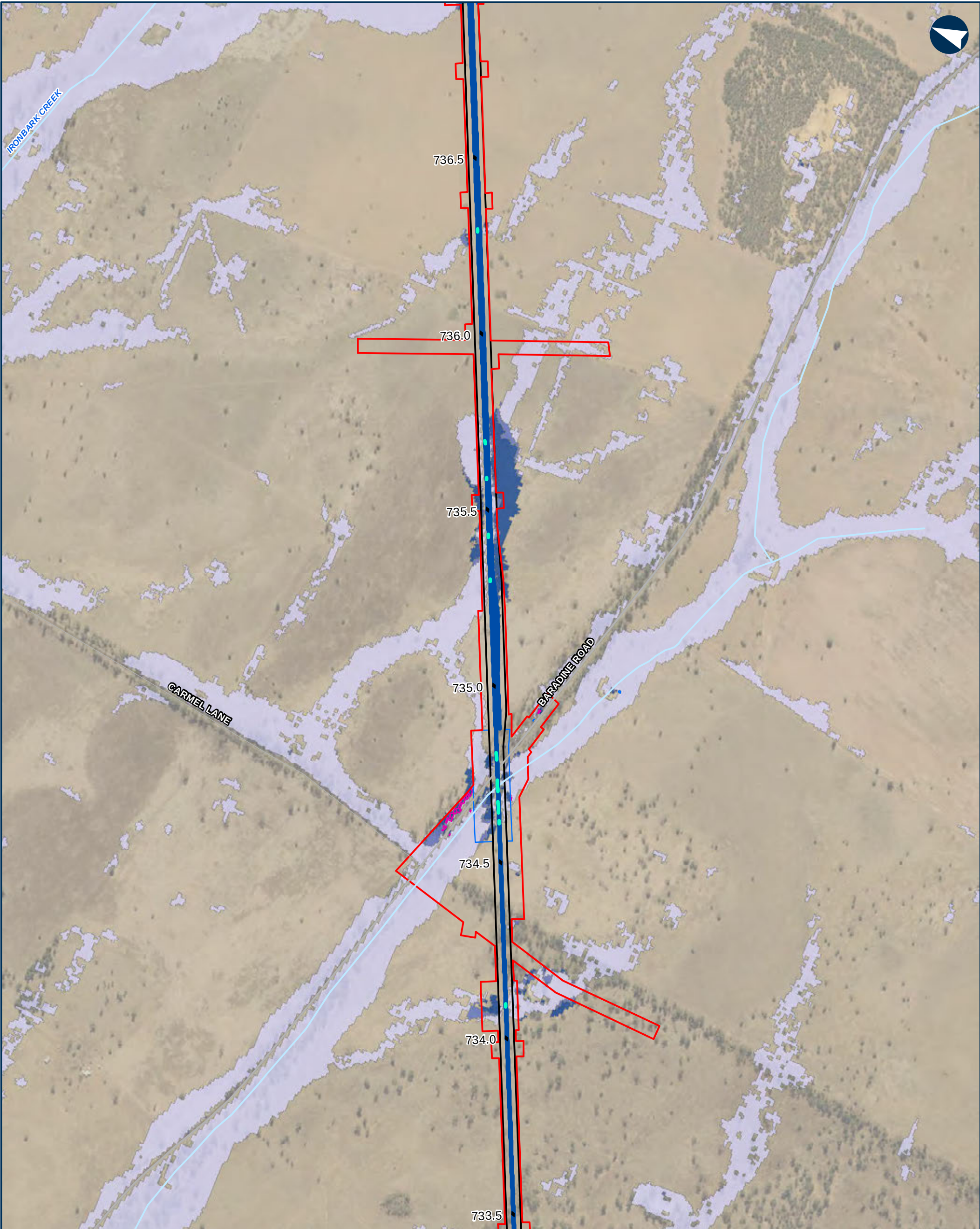
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Alignment
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.62

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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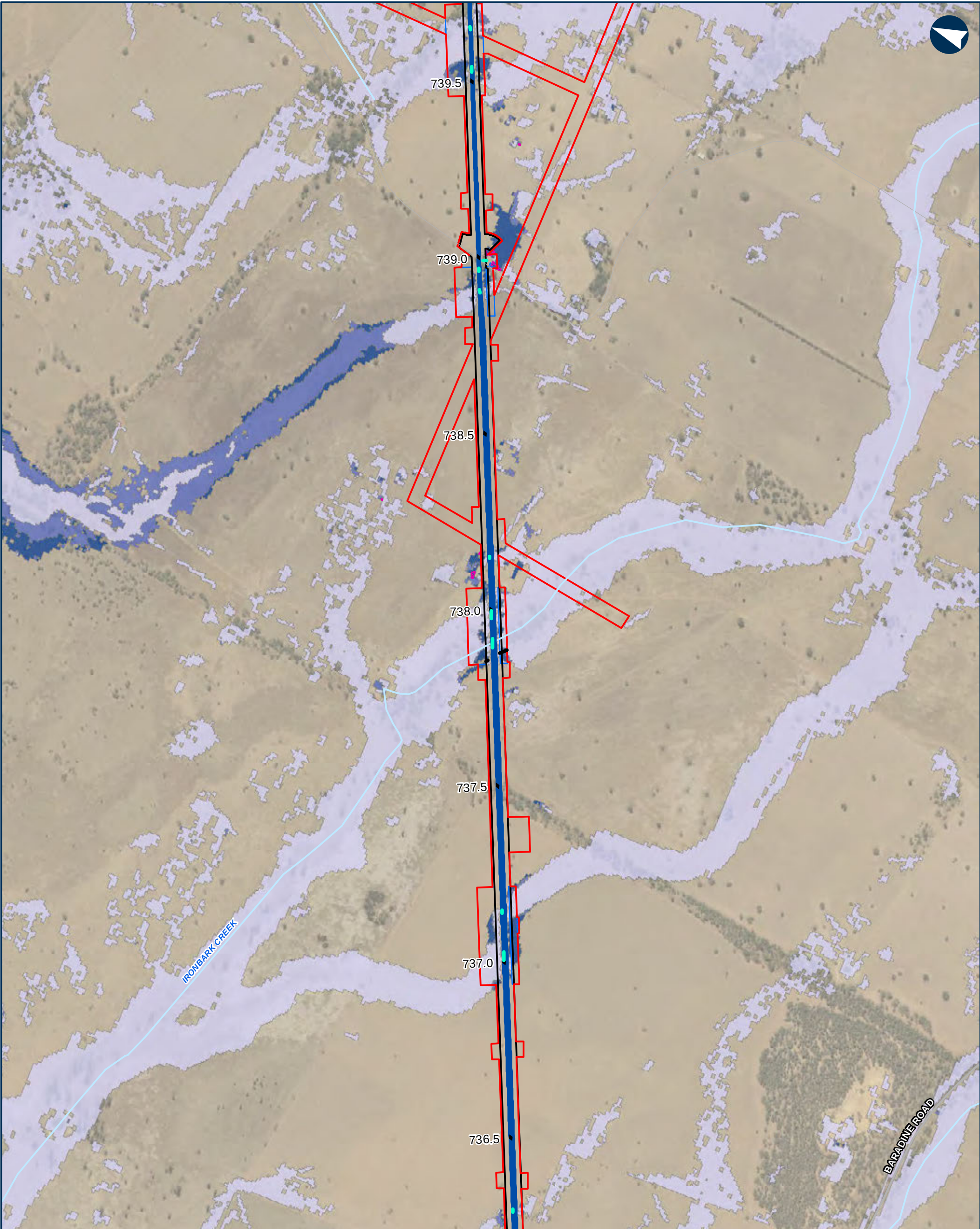
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Alignment
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.63

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert

Road QDL departure

Alignment

Arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

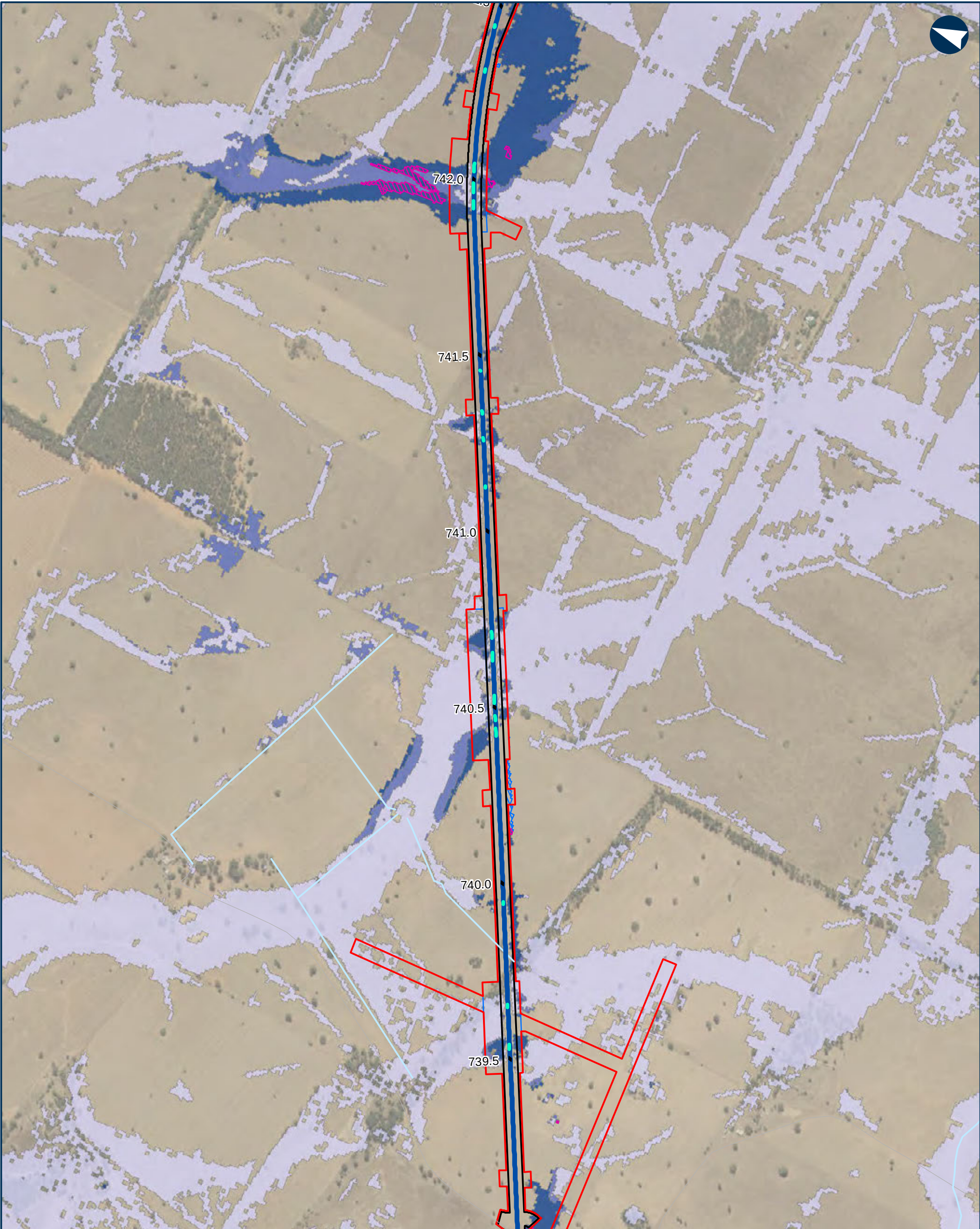
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.64

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Culvert

Alignment

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor

Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

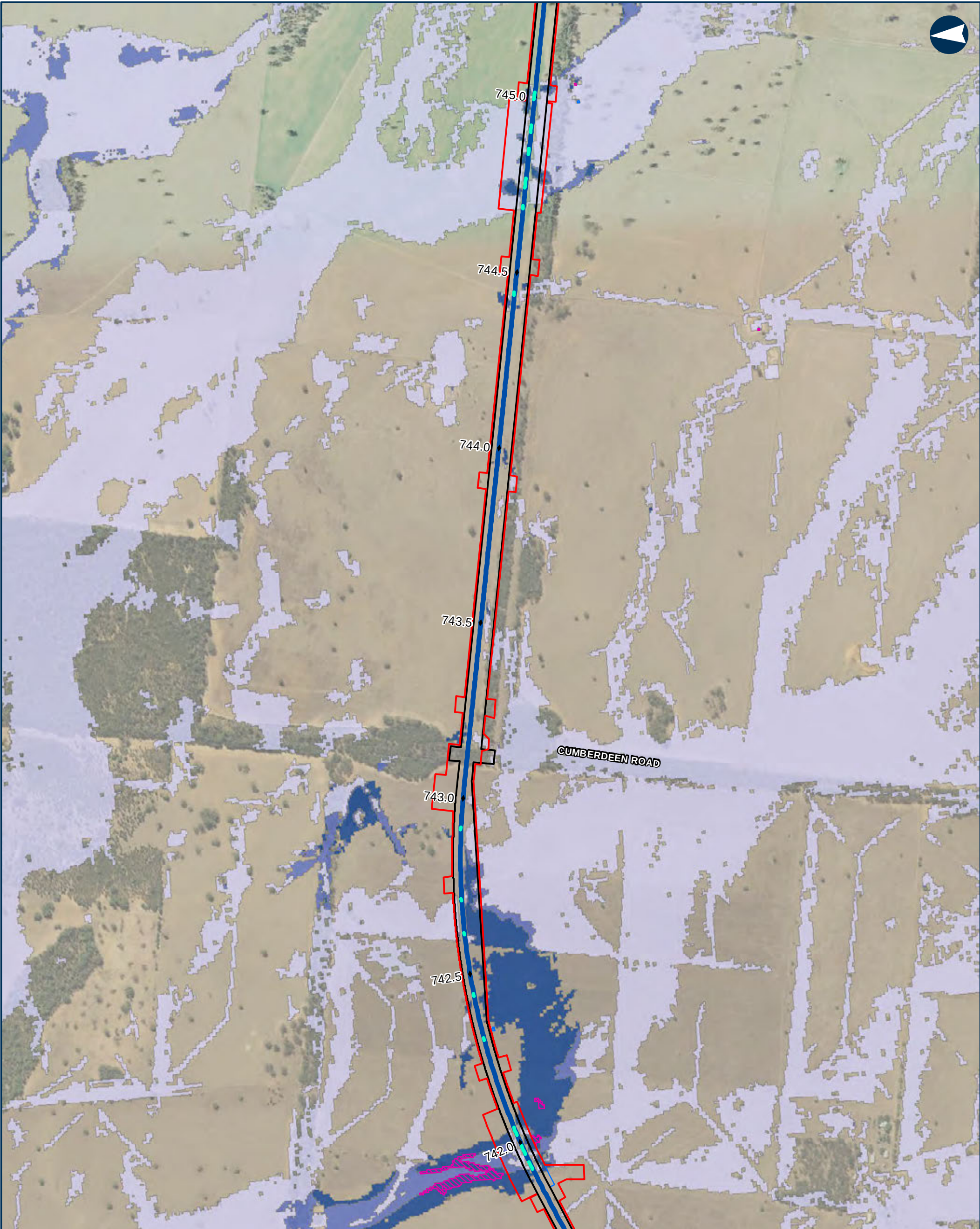
10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.65

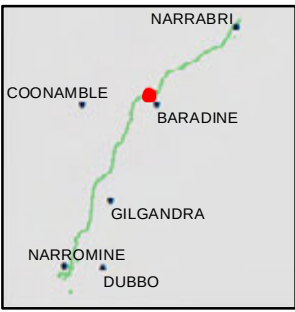
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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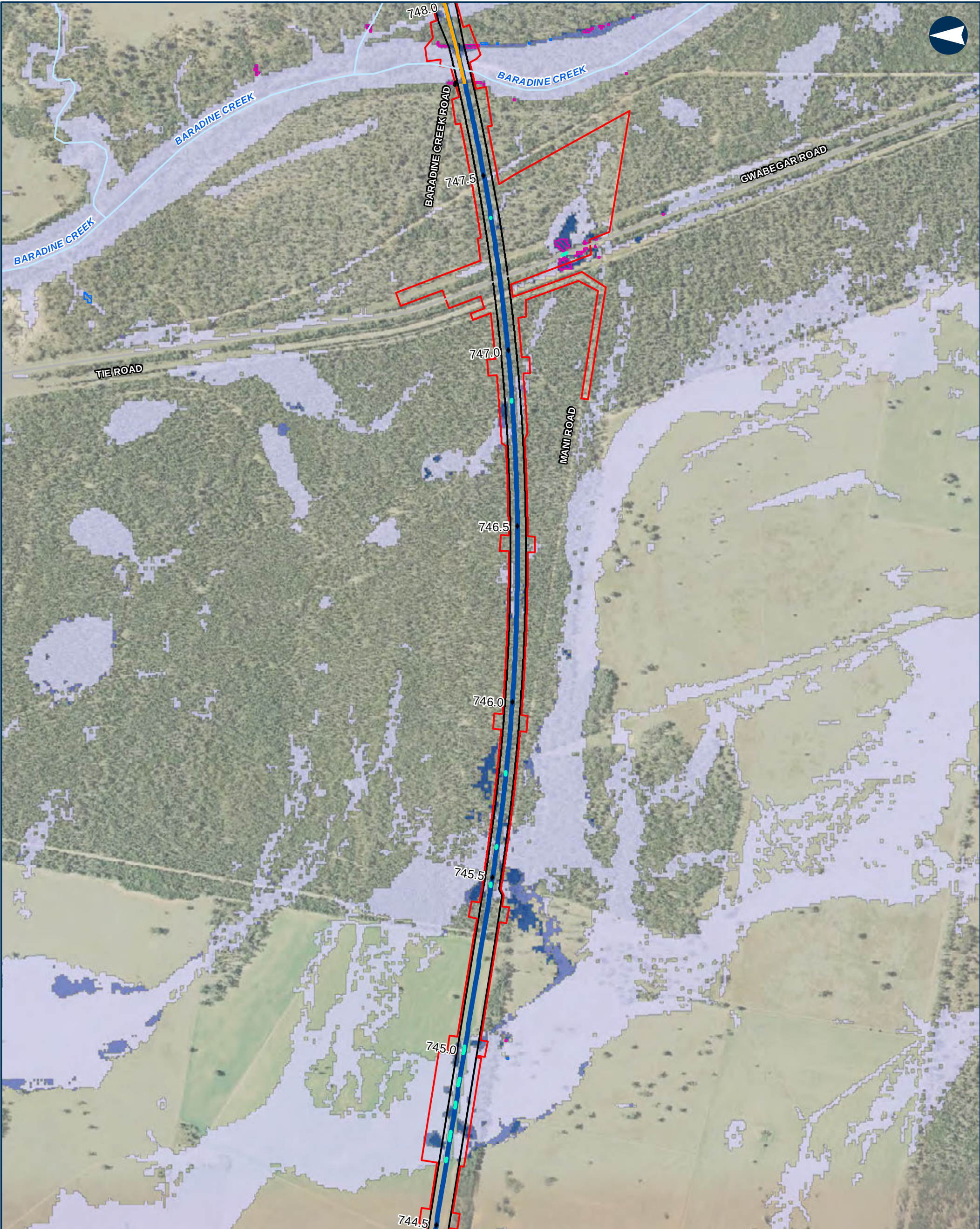
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Alignment
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.66

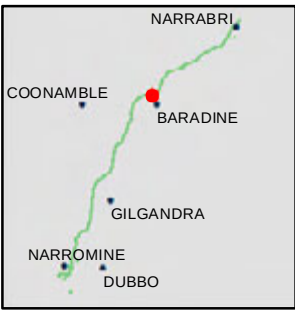
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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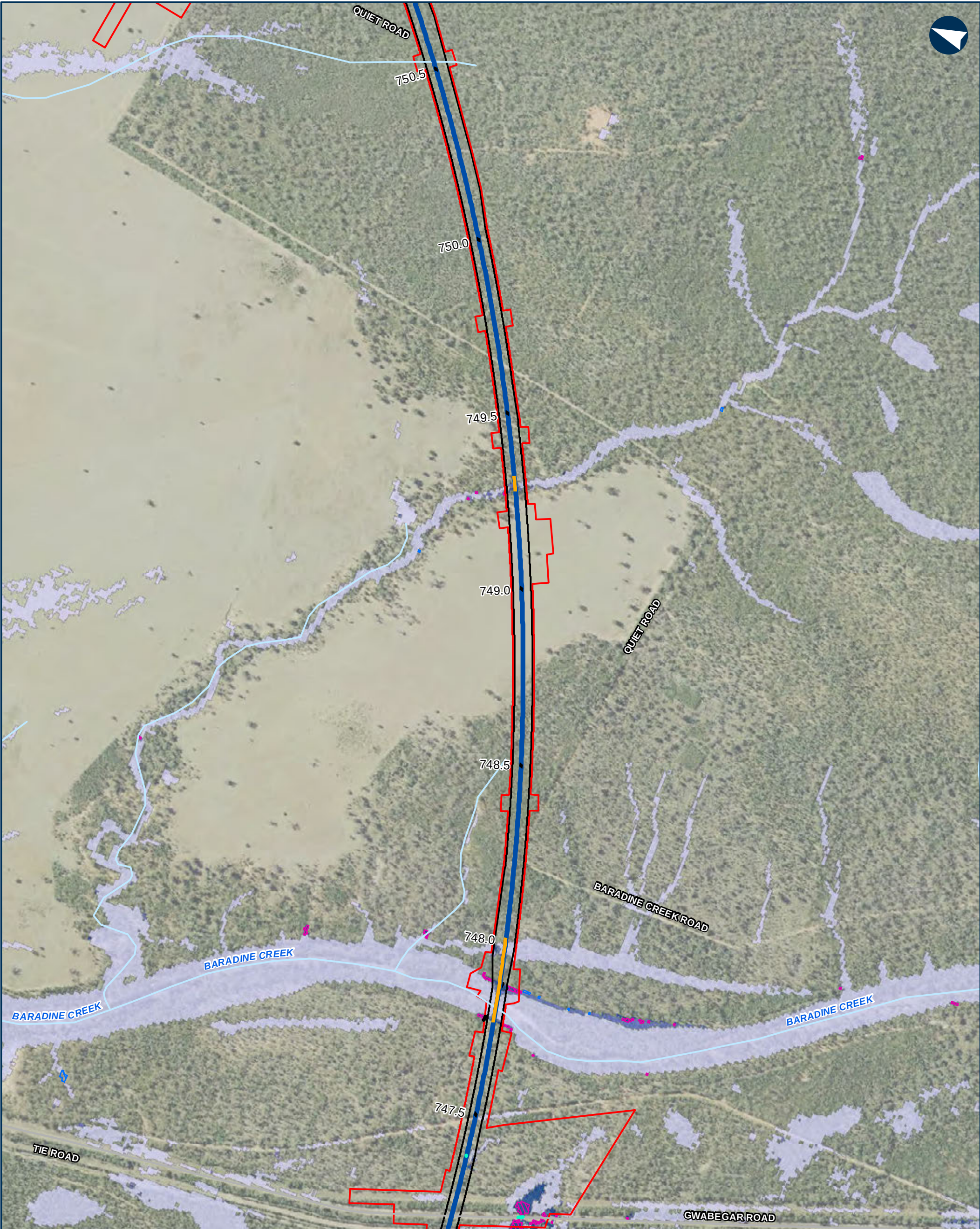
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.67

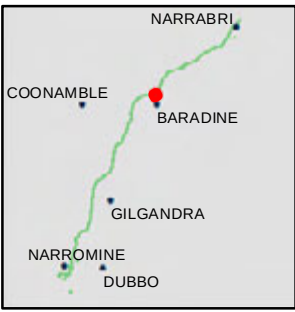
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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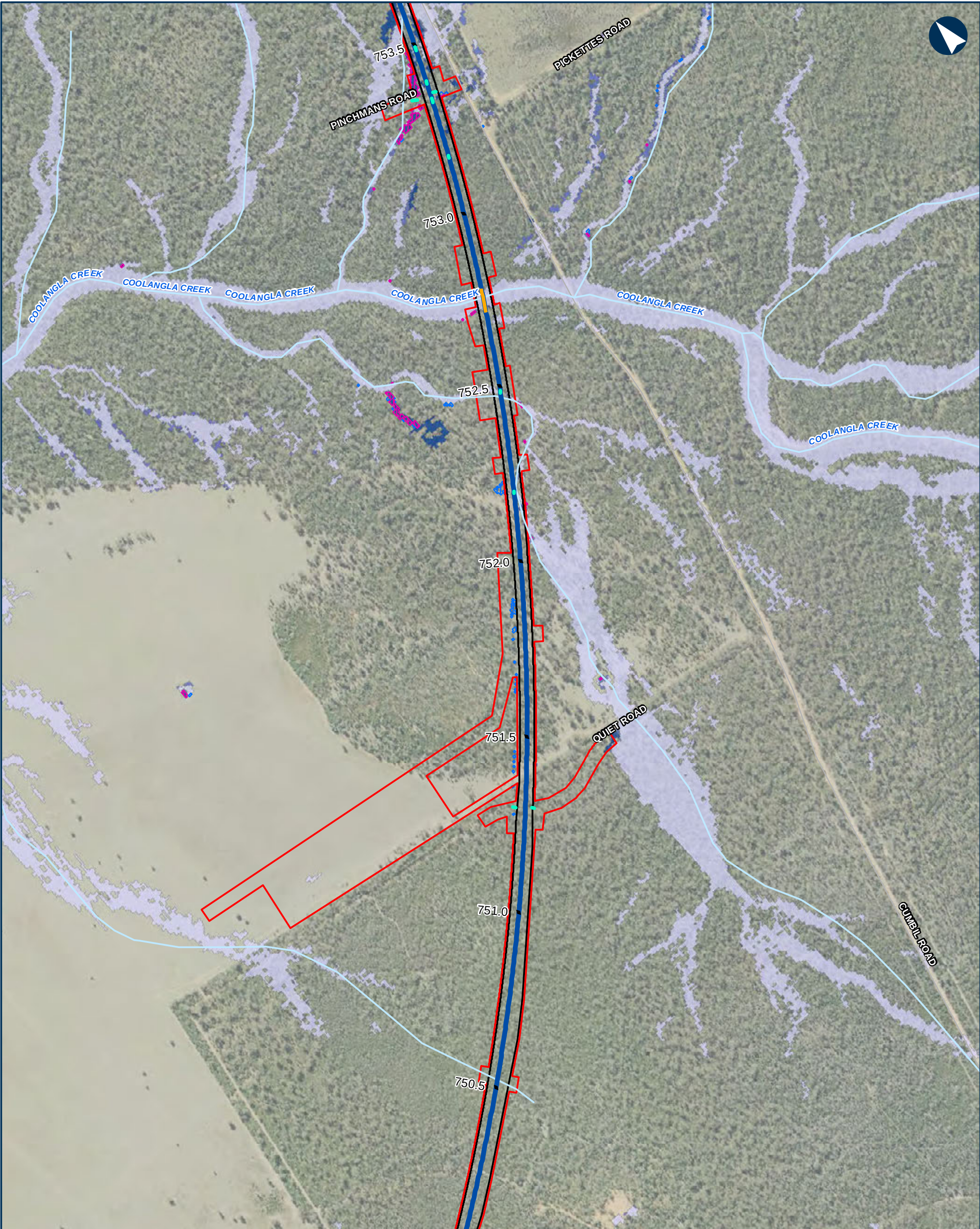
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Arterial road
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.68

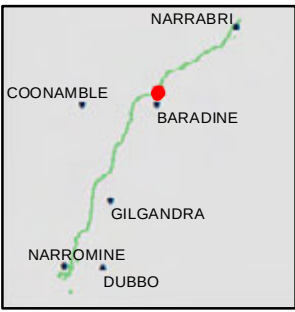
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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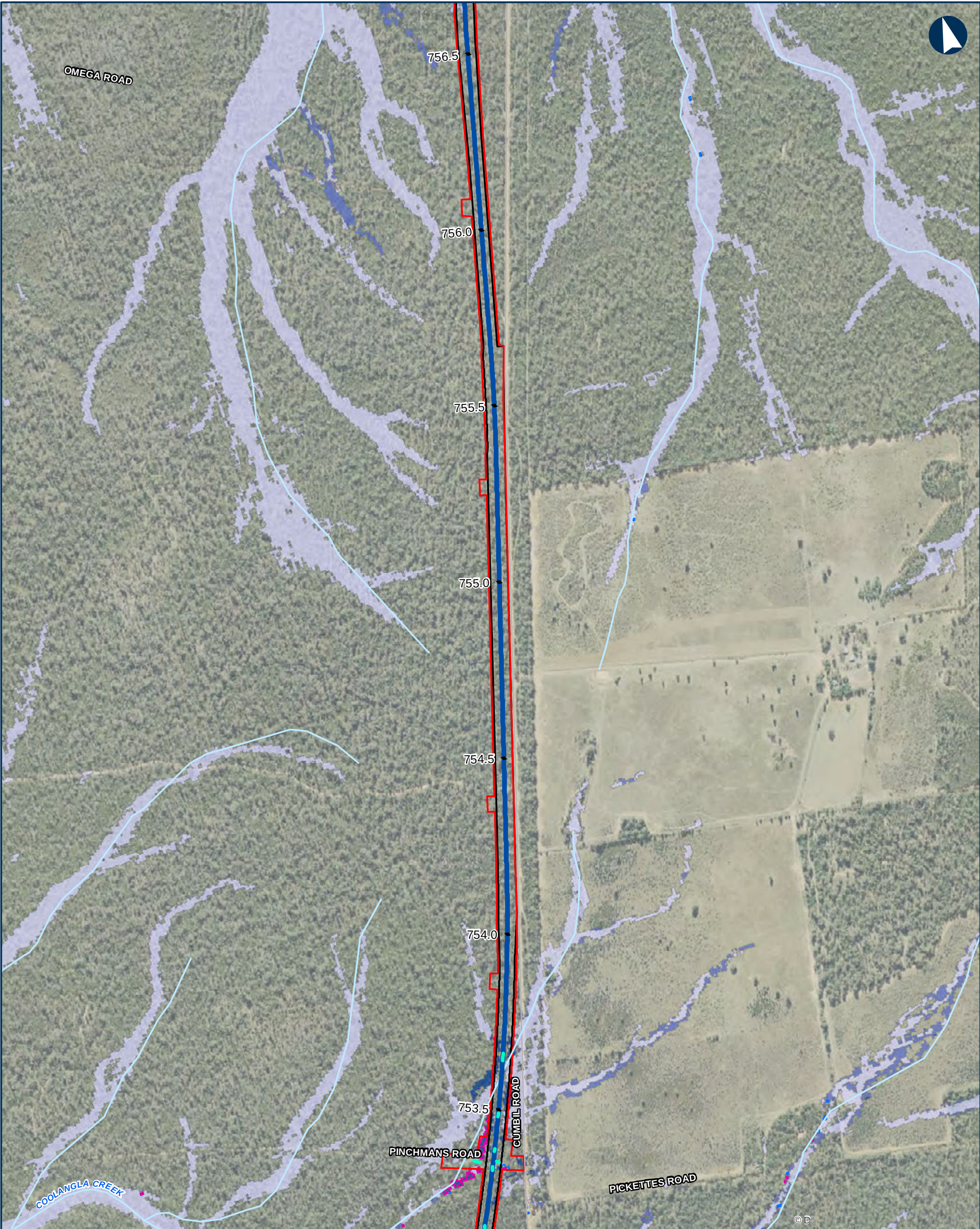
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.69

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Culvert

Alignment

Sub arterial road

Watercourse

The proposal

Rail Corridor

Area of departure

Design flooded, not flooded existing

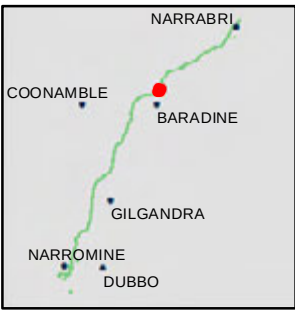
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.70

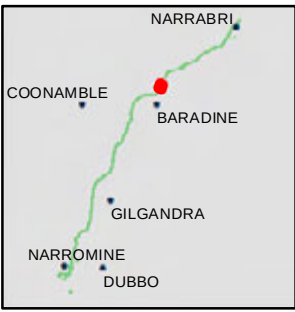
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.71

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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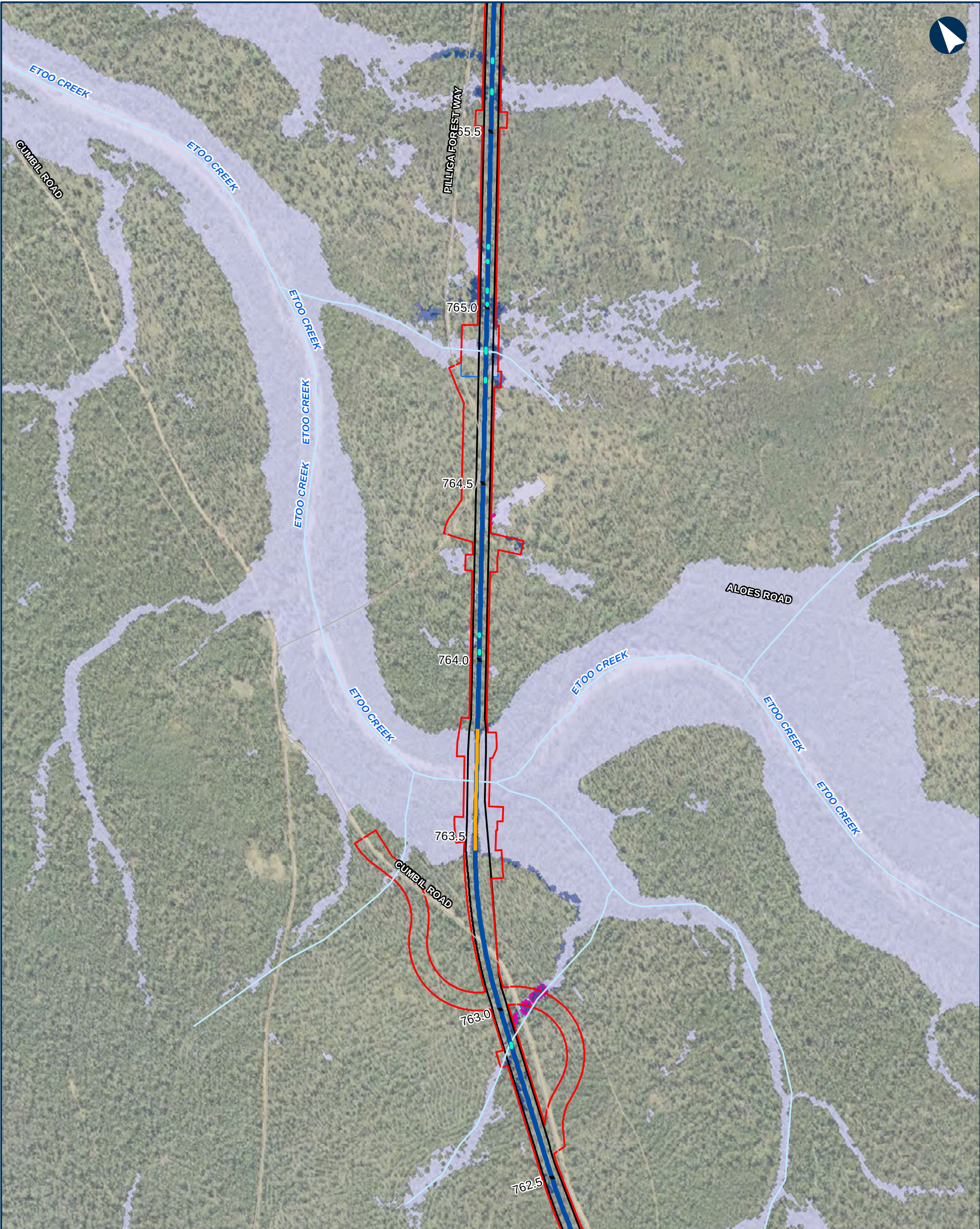
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.72

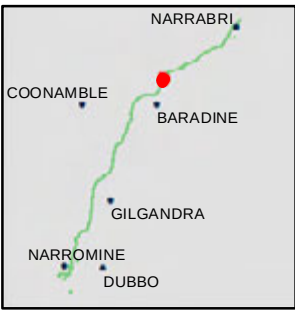
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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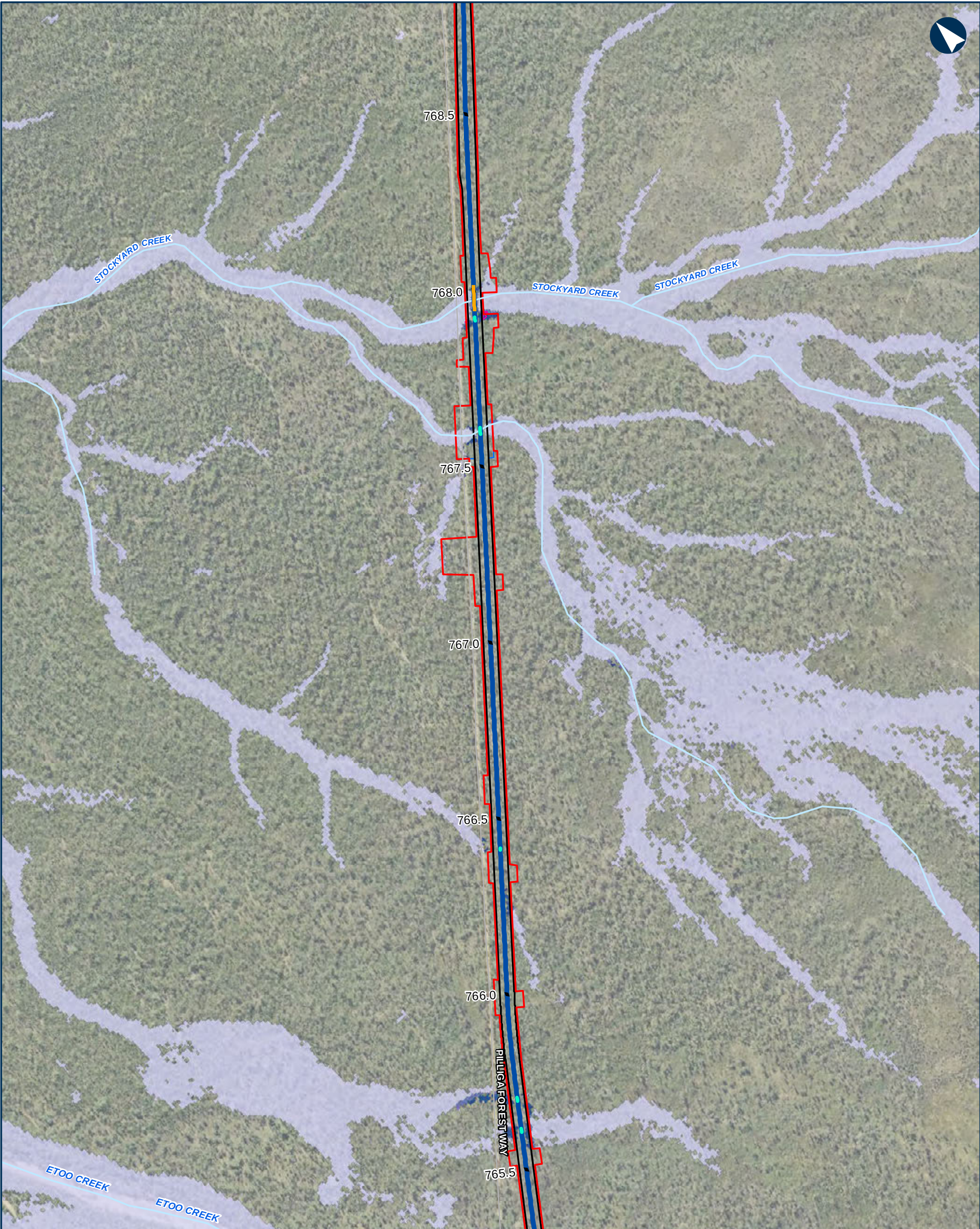
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



INLAND RAIL ARTC

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.73

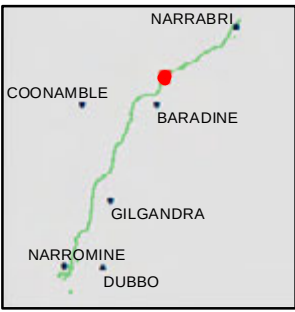
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



INLAND RAIL ARTC

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.74

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

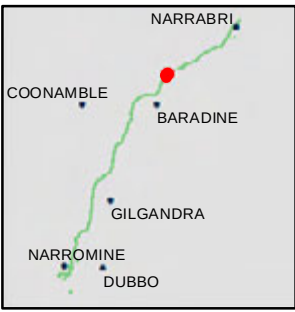
ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken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

Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Bridge
Culvert
Alignment
Sub arterial road
Watercourse
The proposal
Rail Corridor

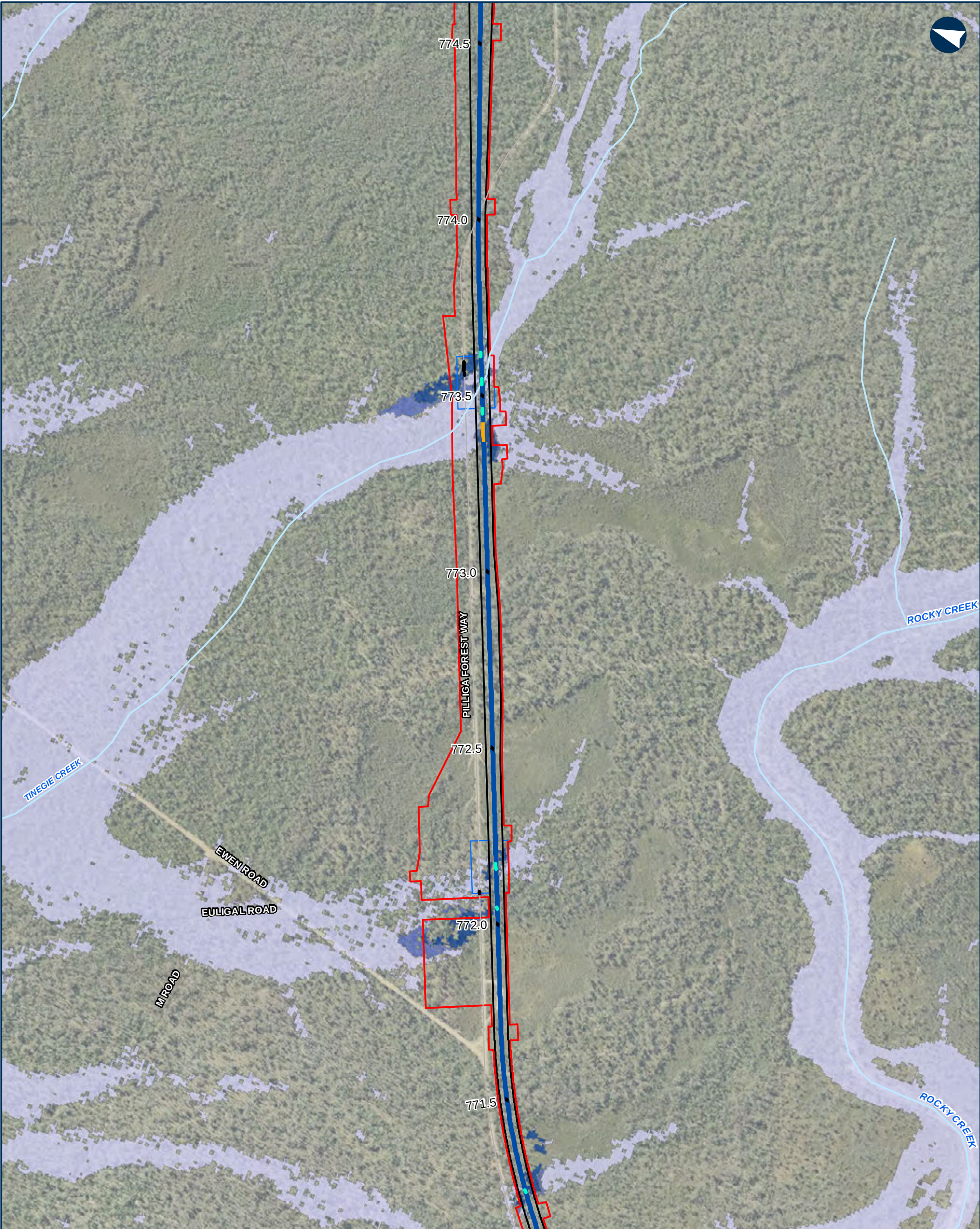
Area of departure
Design flooded, not flooded existing
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change
0% - 10%
10% - 20%
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.75

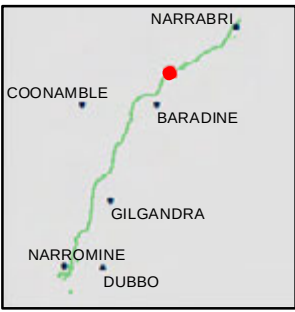
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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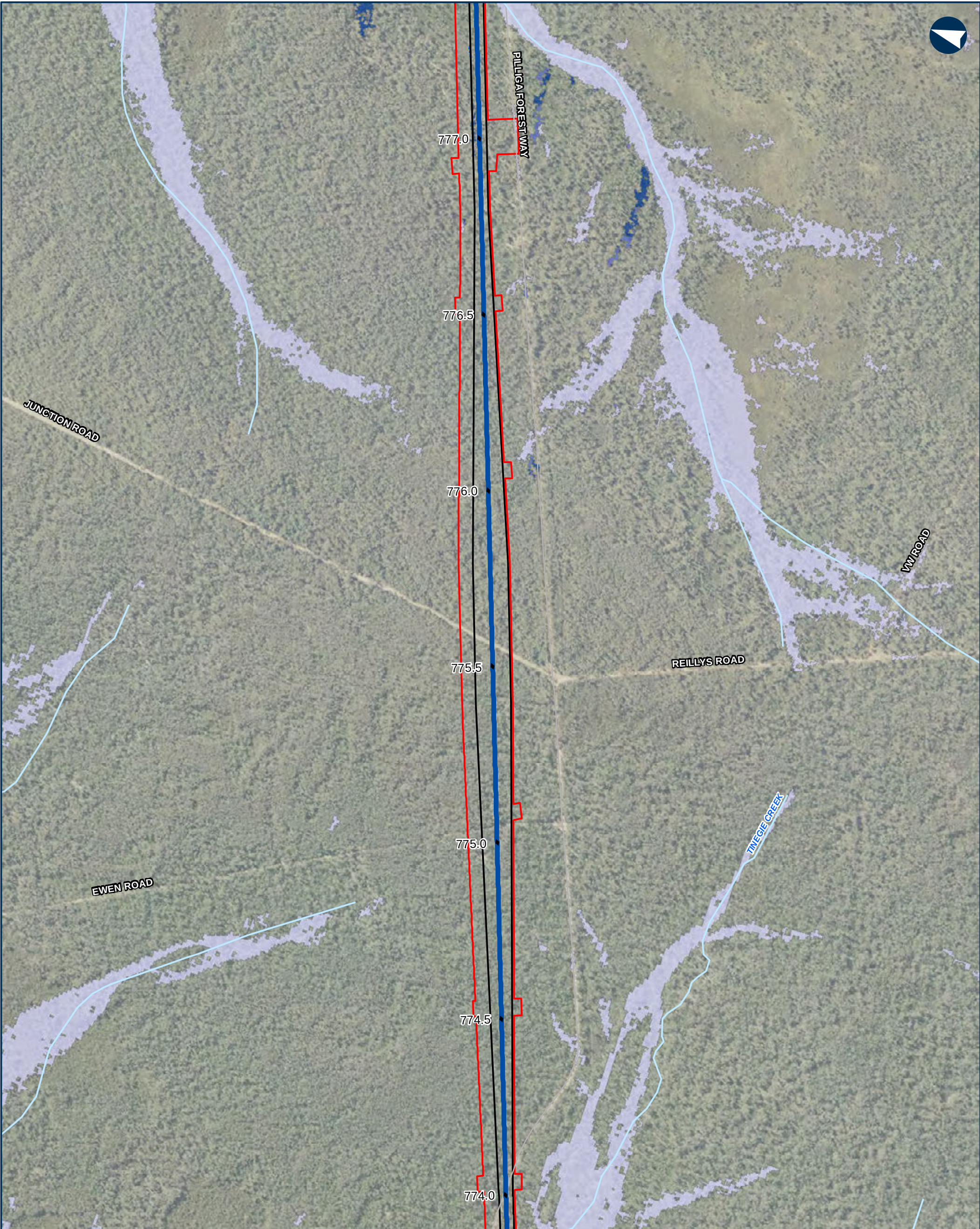
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.76

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Alignment

Sub arterial road

Watercourse

The proposal

Rail Corridor
- Area of departure

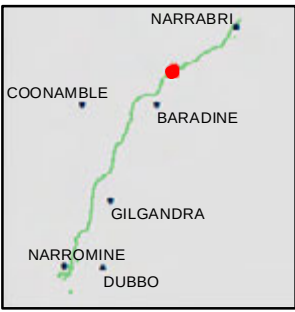
Design flooded, not flooded existing

Percentage Change

0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.77

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

- Bridge

Culvert

Road QDL departure

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

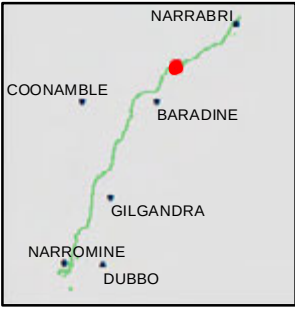
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

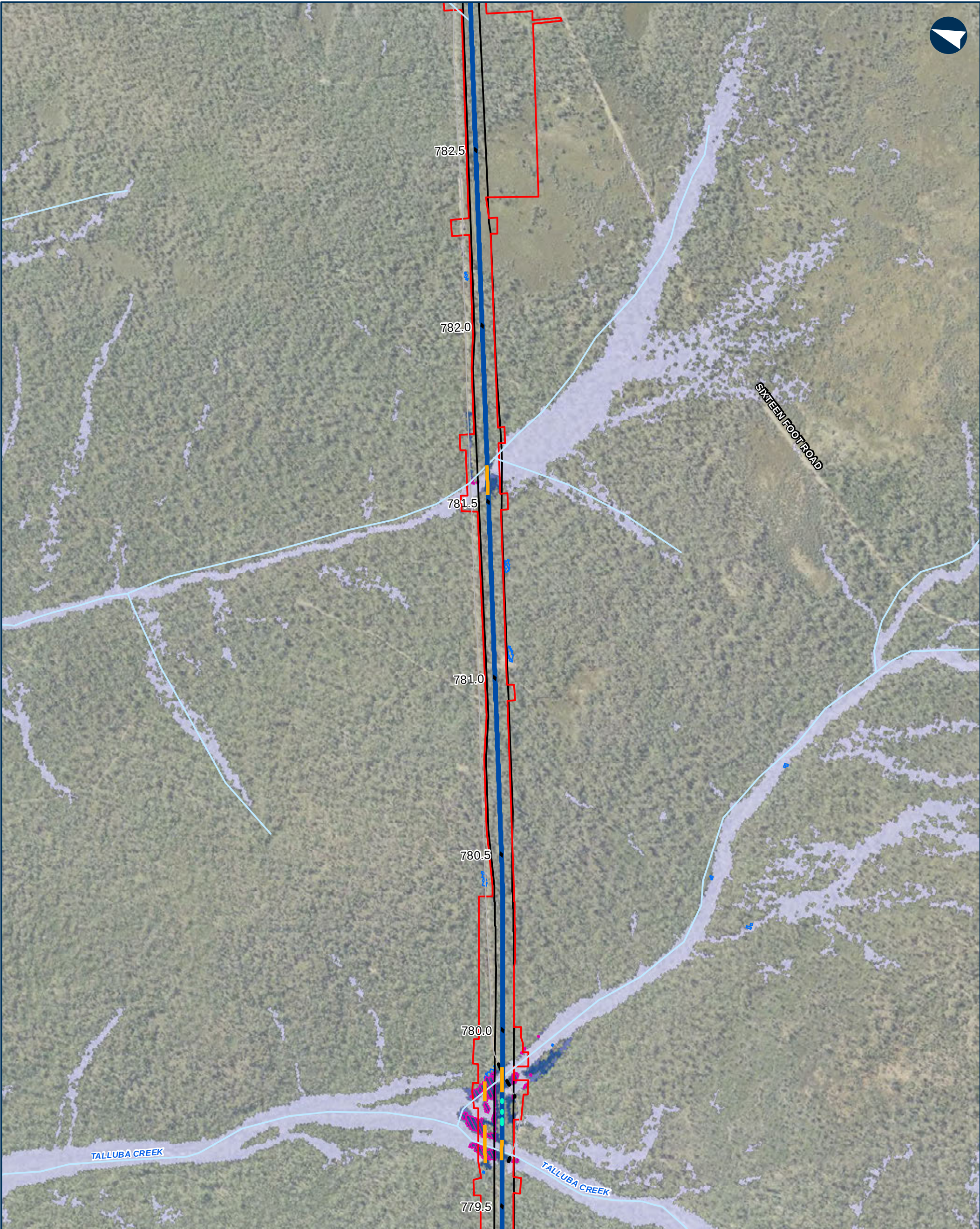
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.78

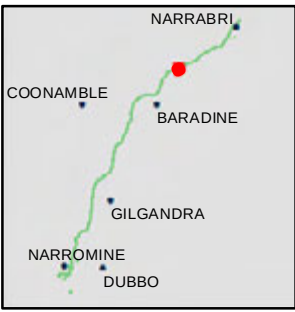
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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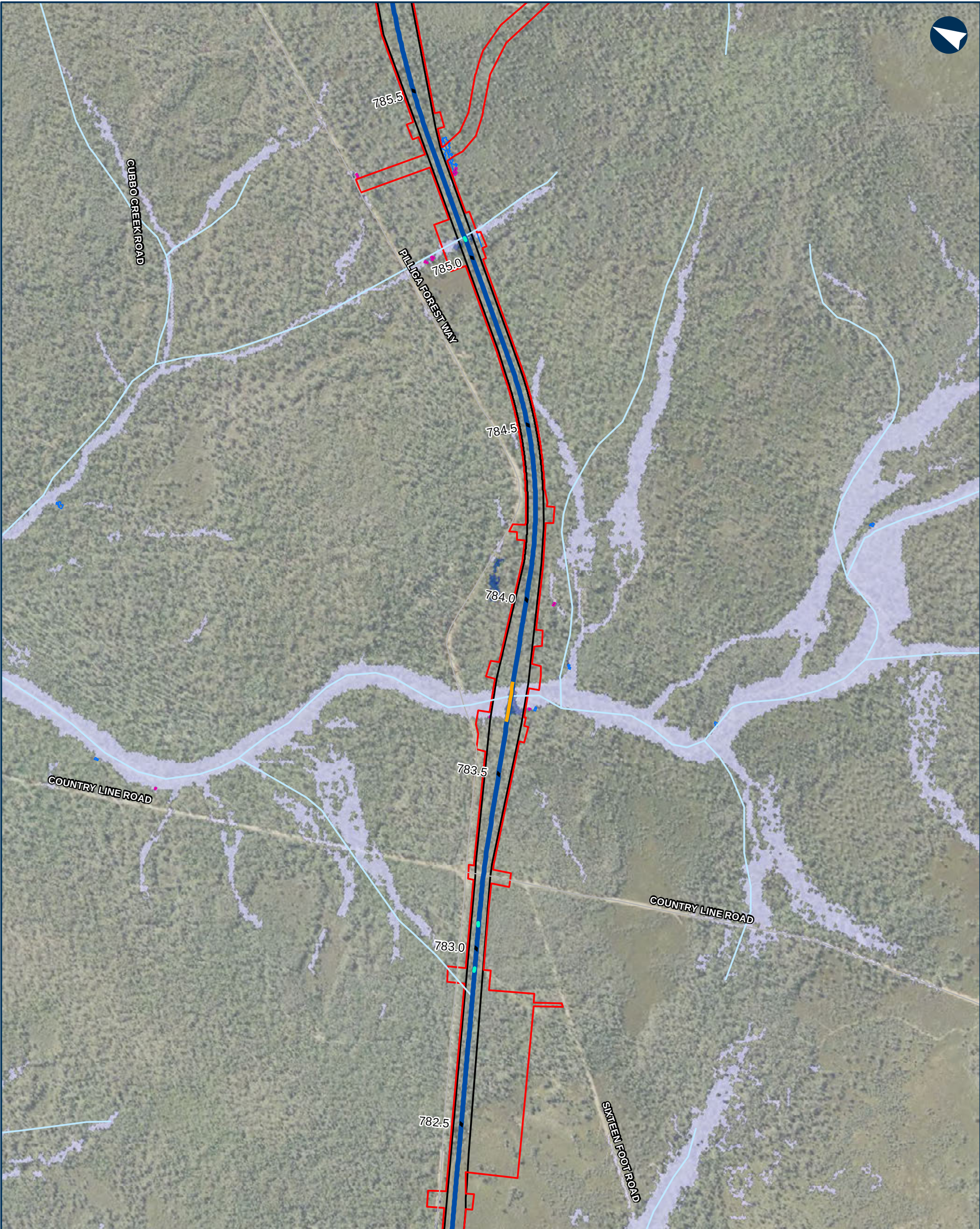
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



INLAND RAIL ARTC

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.79

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

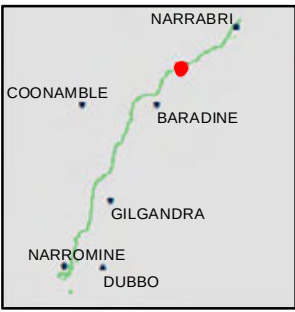
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

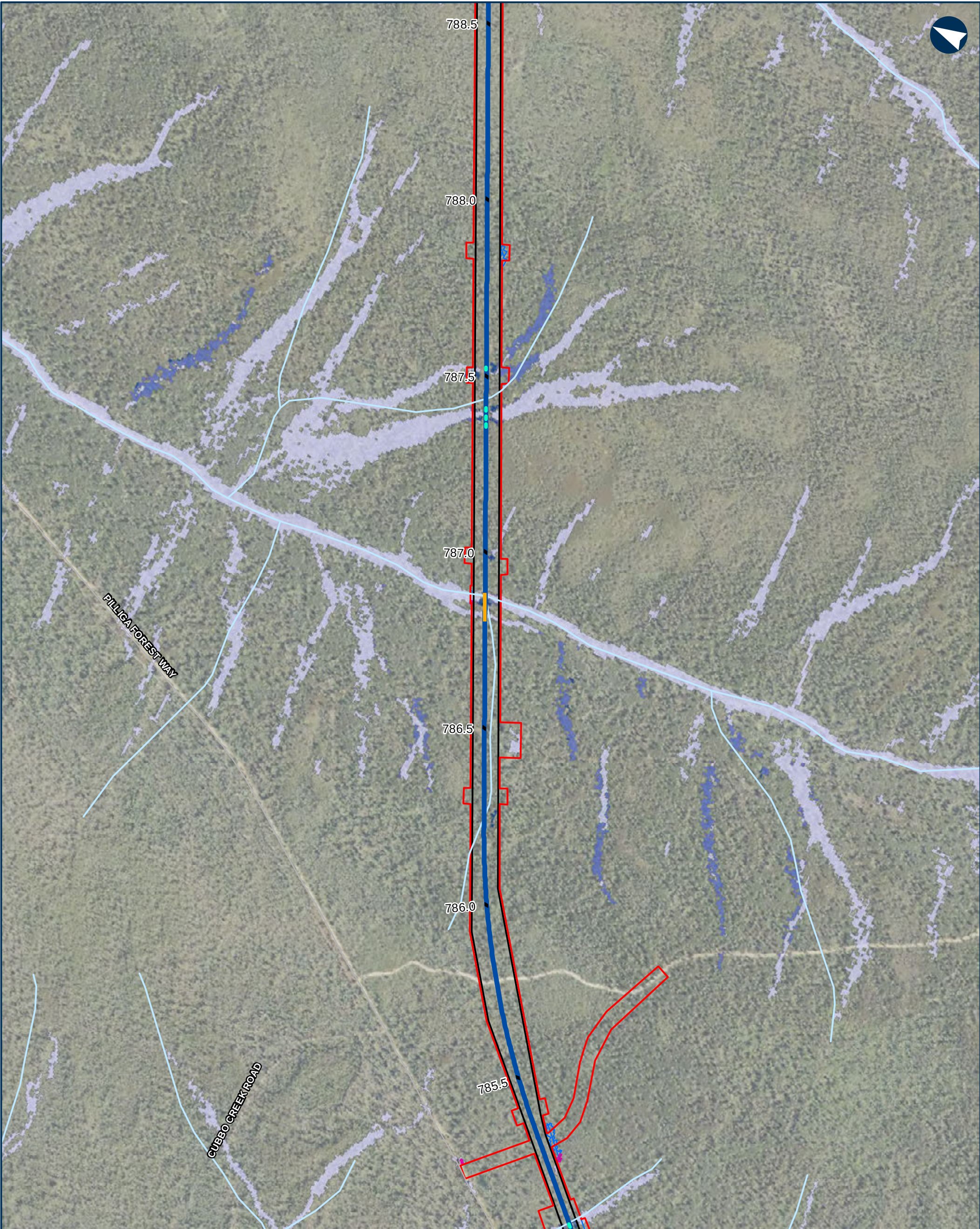
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.80

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

- Bridge

Culvert

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

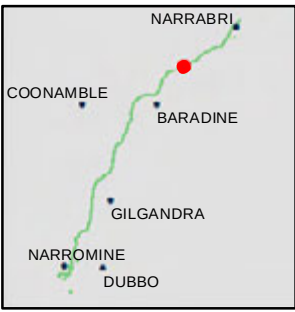
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.81

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

- Bridge

Culvert

Alignment

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

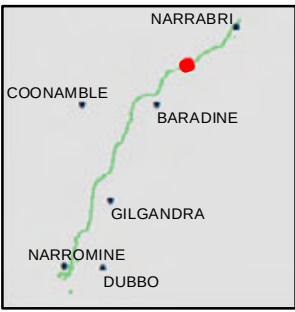
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

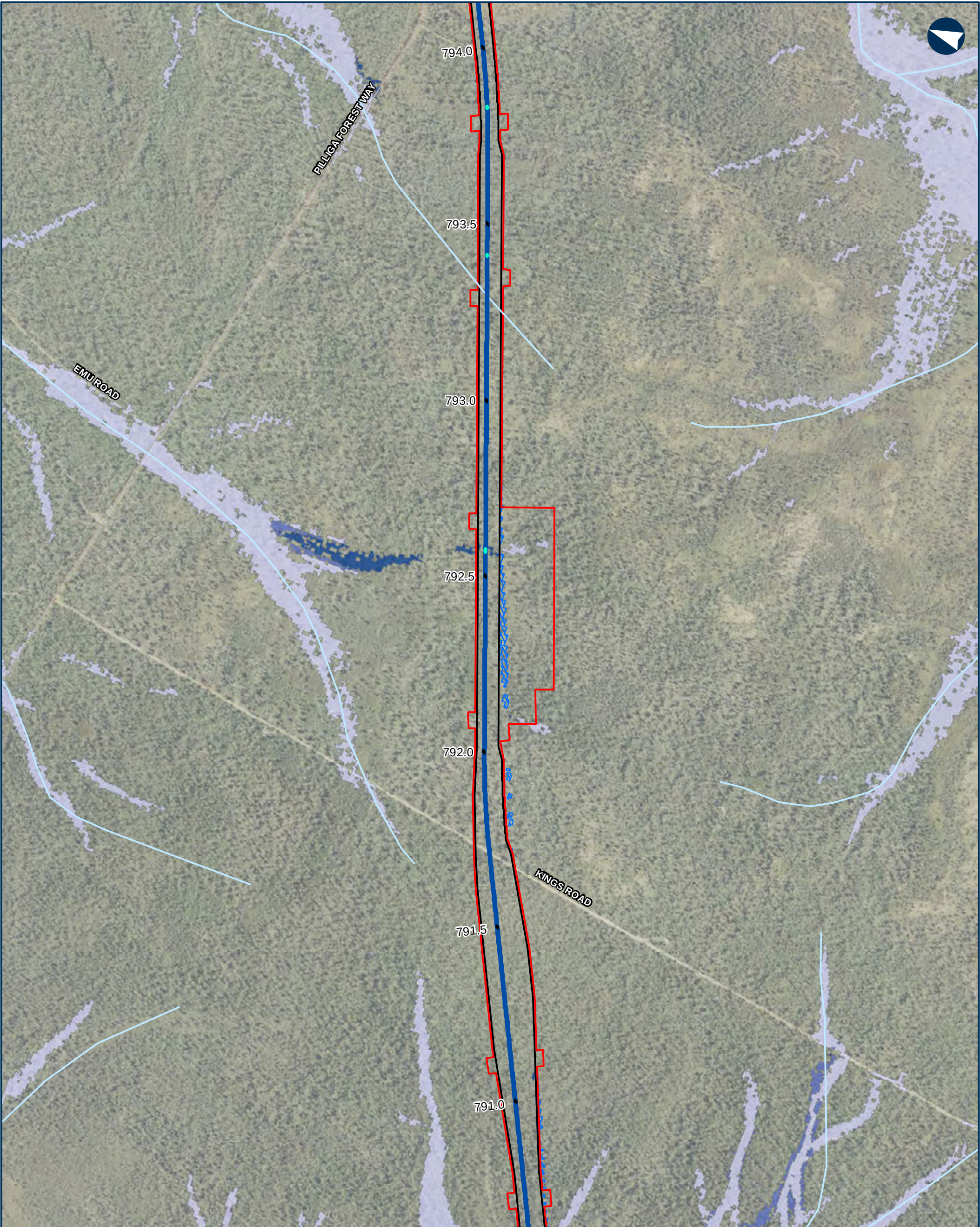
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.82

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Culvert

Alignment

Sub arterial road

Watercourse

The proposal

Rail Corridor

Area of departure

Design flooded, not flooded existing

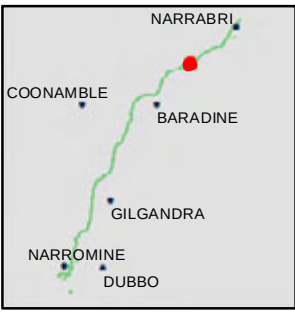
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

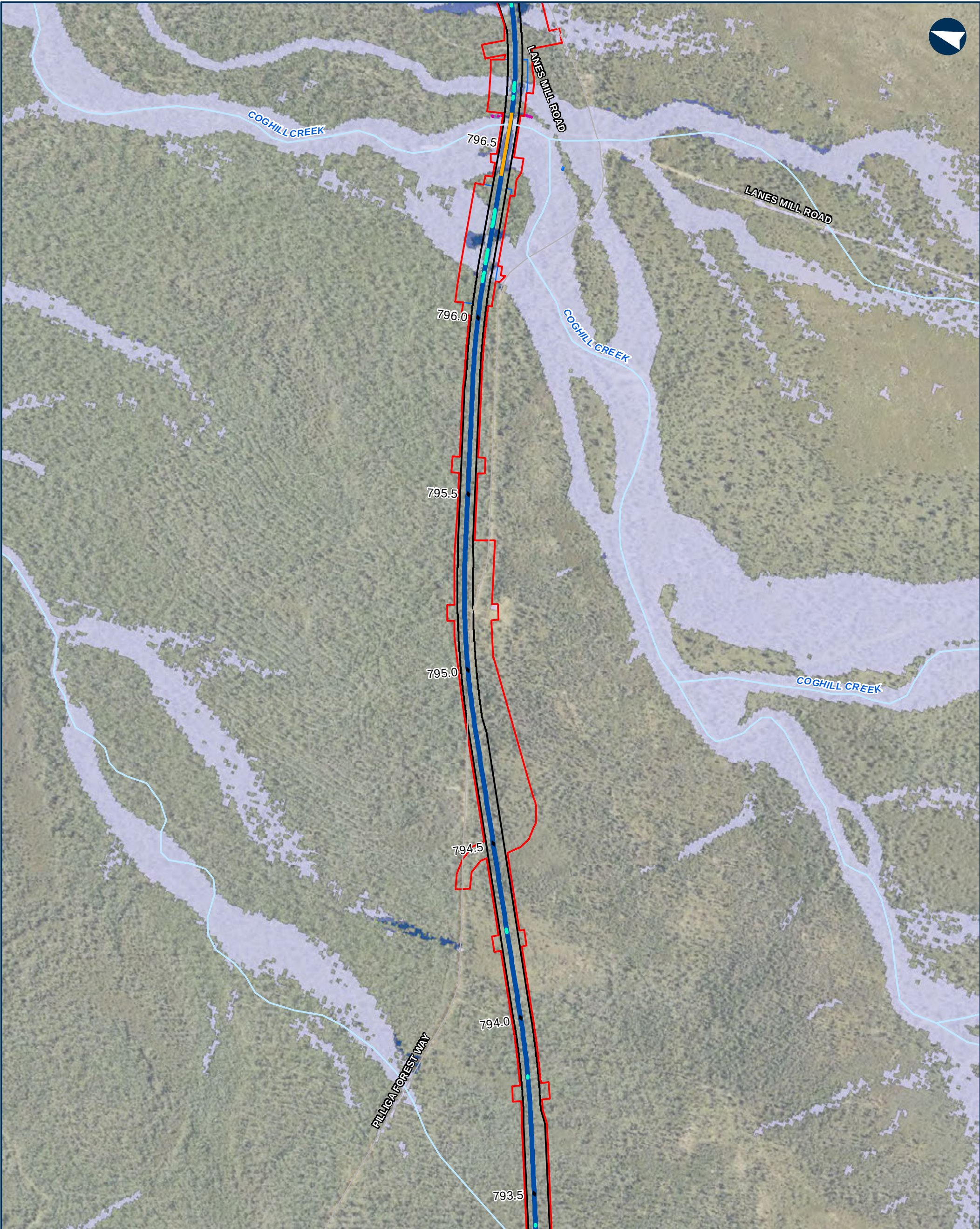
0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.83

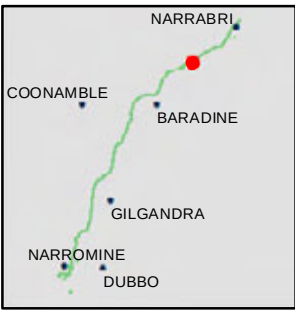
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Sub arterial road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.84

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

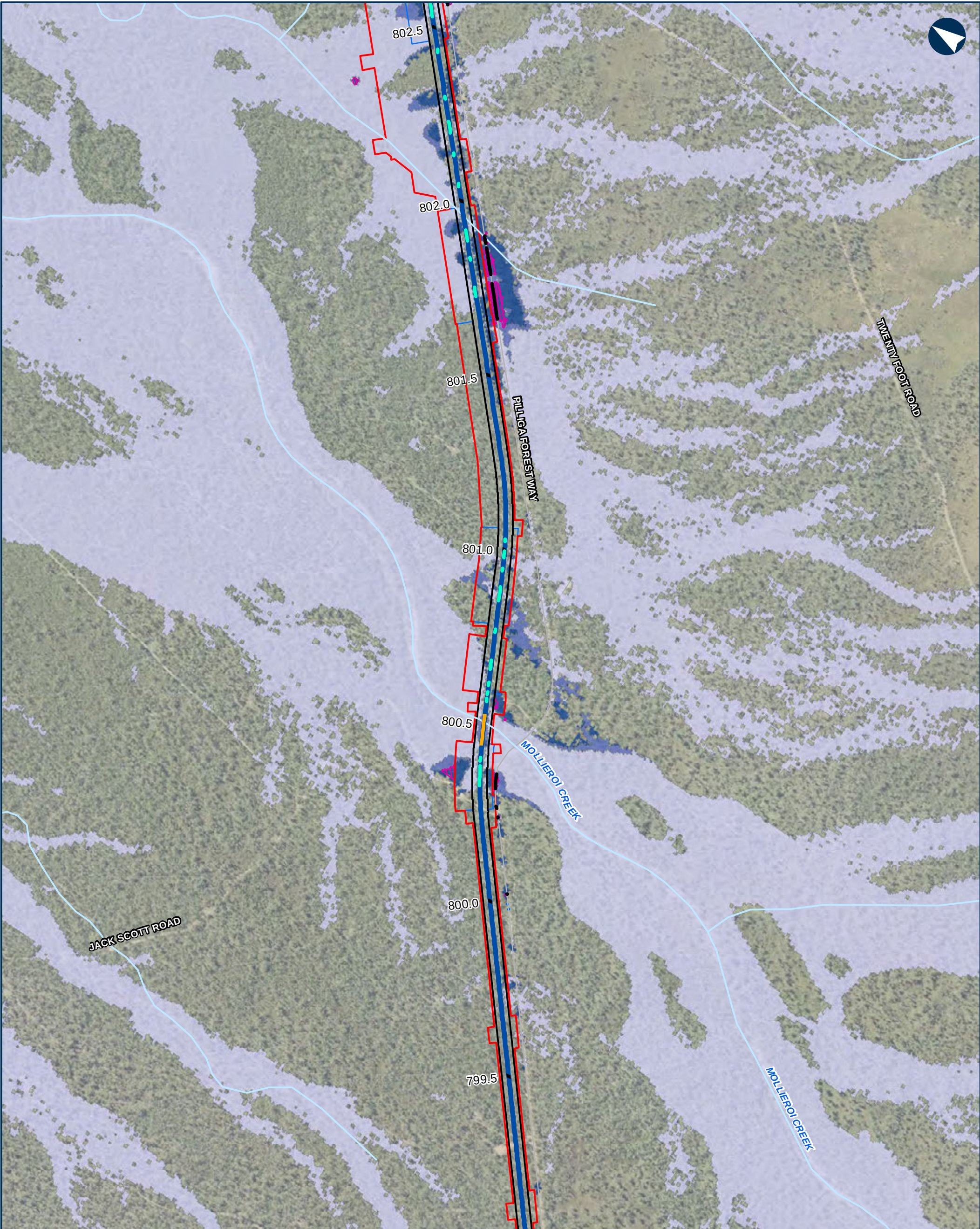
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.85

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022Paper: A3

Author: JacobsGHDScale: 1:10,000

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

- Bridge

Culvert

Road QDL departure

Alignment

Sub arterial road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

20%+



INLAND RAIL

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.86

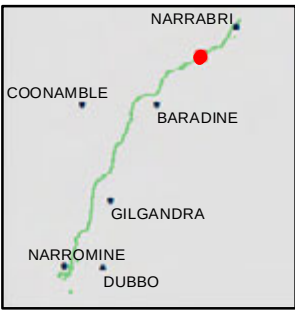
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Road QDL departure
 - Alignment
 - Sub arterial road
 - Local road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.87

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Road QDL departure

Alignment

Sub arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

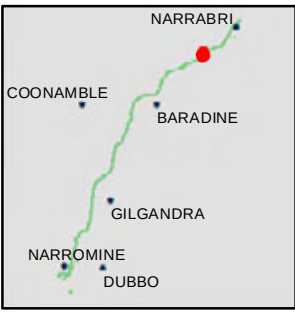
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

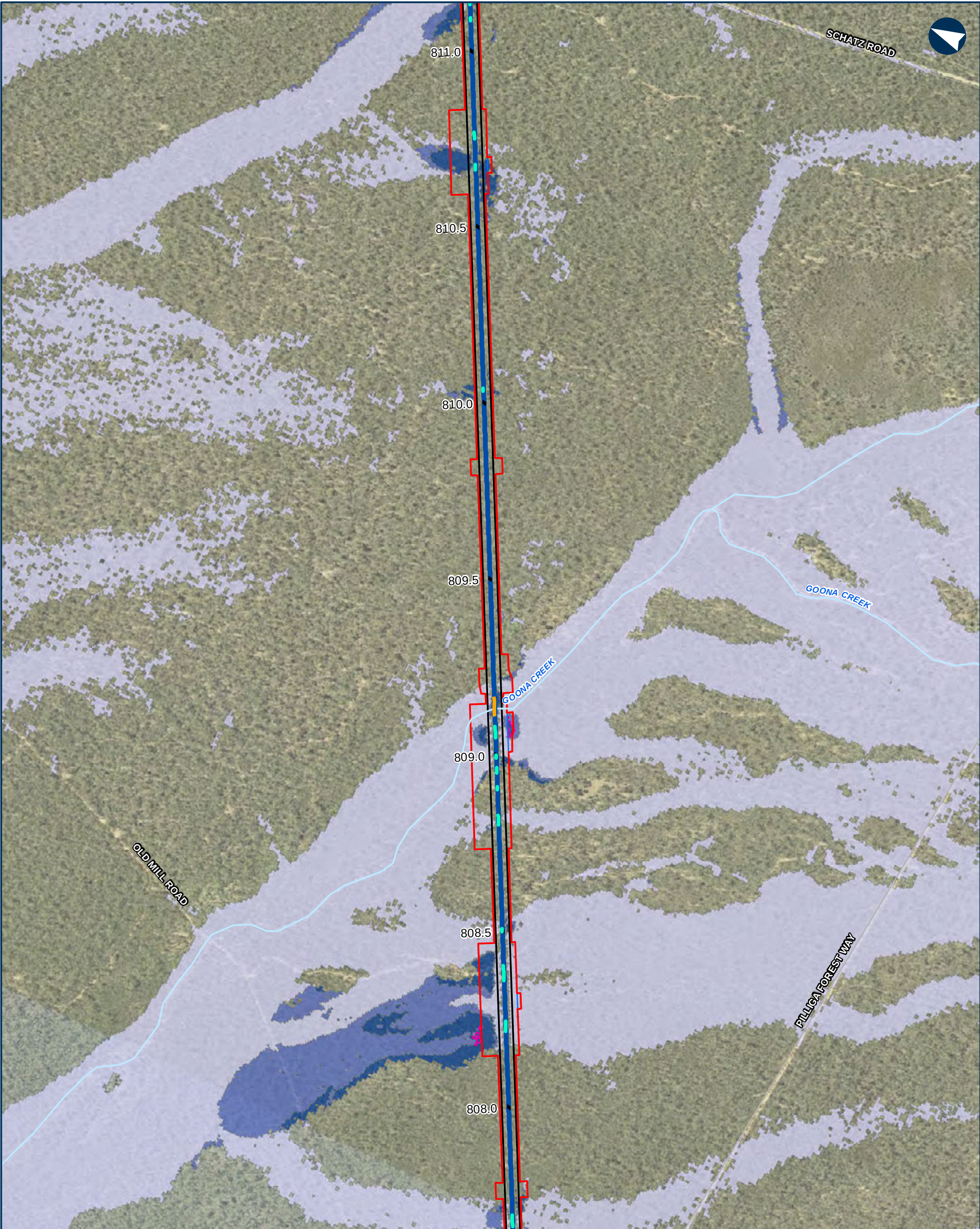
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.88

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Alignment

Sub arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

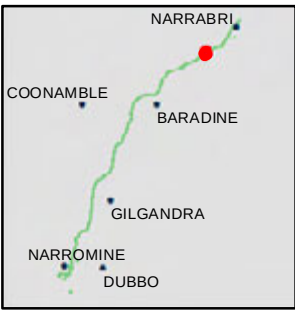
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

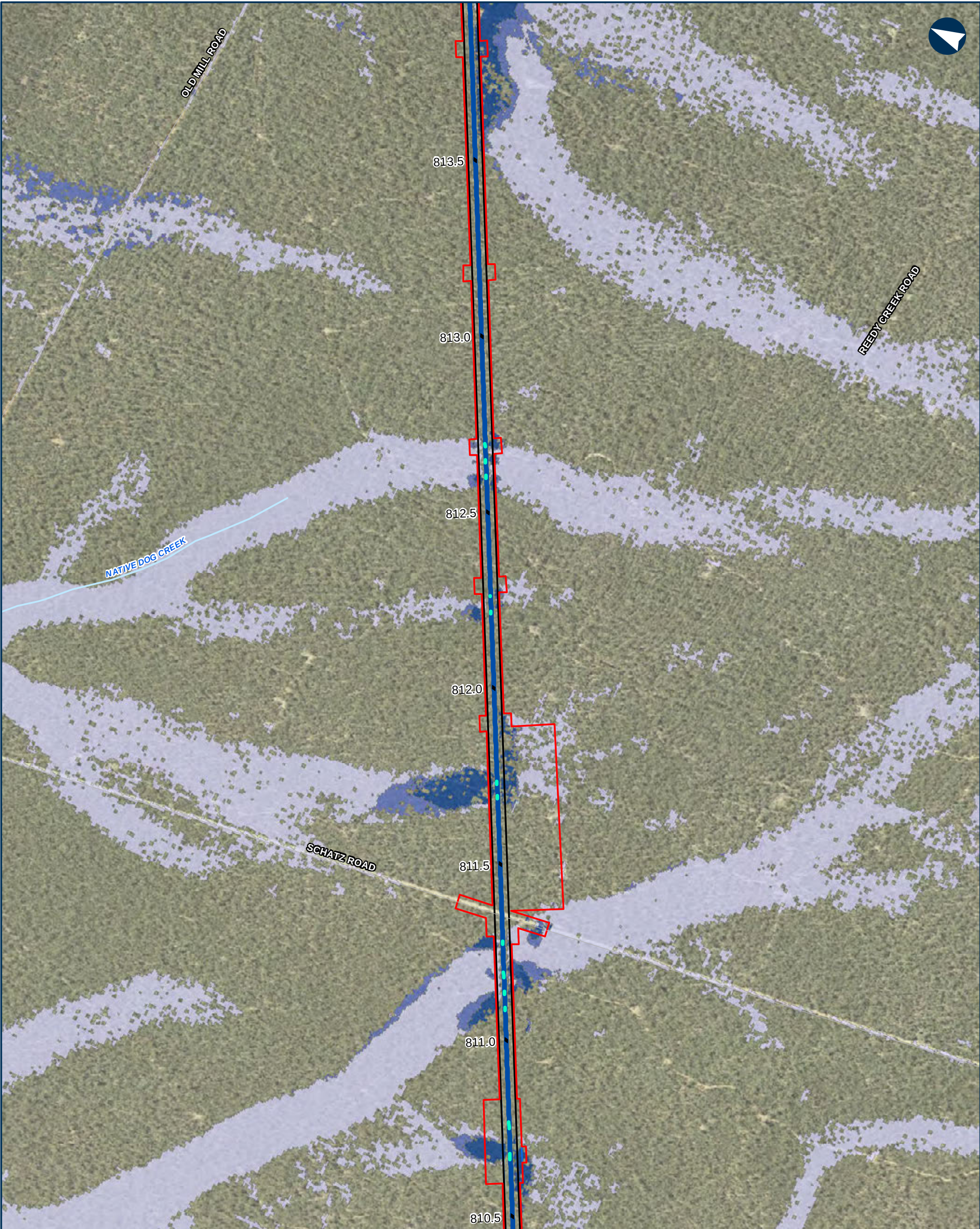
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.89

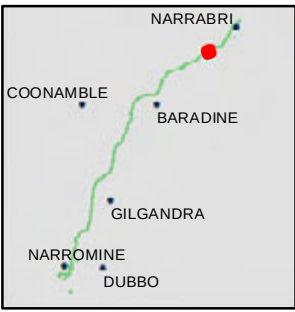
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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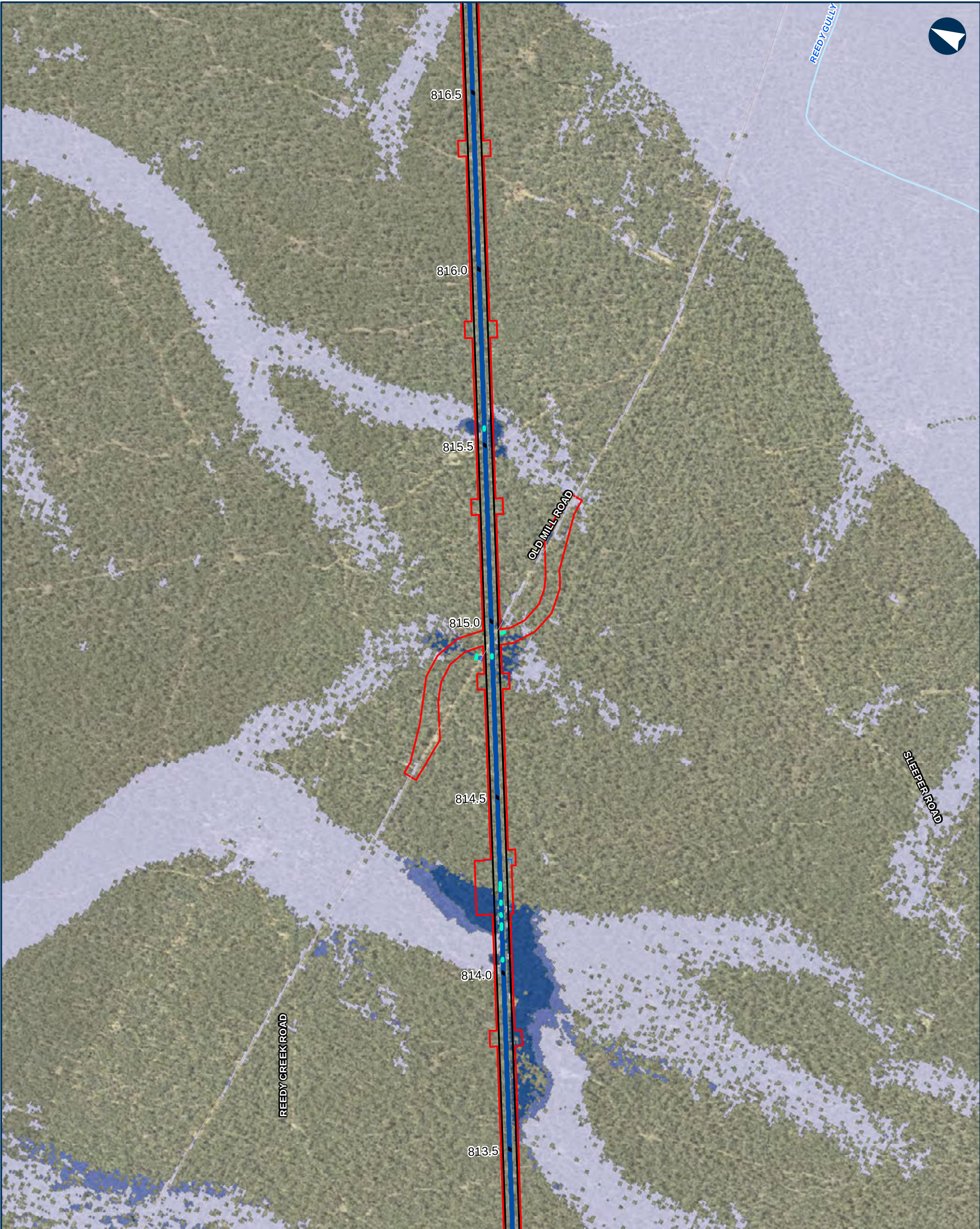
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
- Alignment
- Local road
- Watercourse
- The proposal
- Drainage Control Area
- Rail Corridor
- Percentage Change
 - 0% - 10%
 - 10% - 20%
 - 20%+



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

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.90

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

- Culvert

Alignment

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

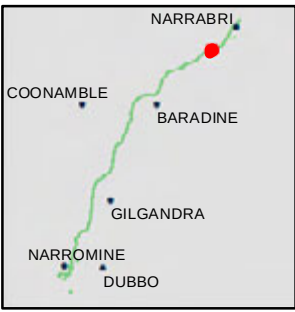
Design flooded, not flooded existing

Percentage Change

0% - 10%

10% - 20%

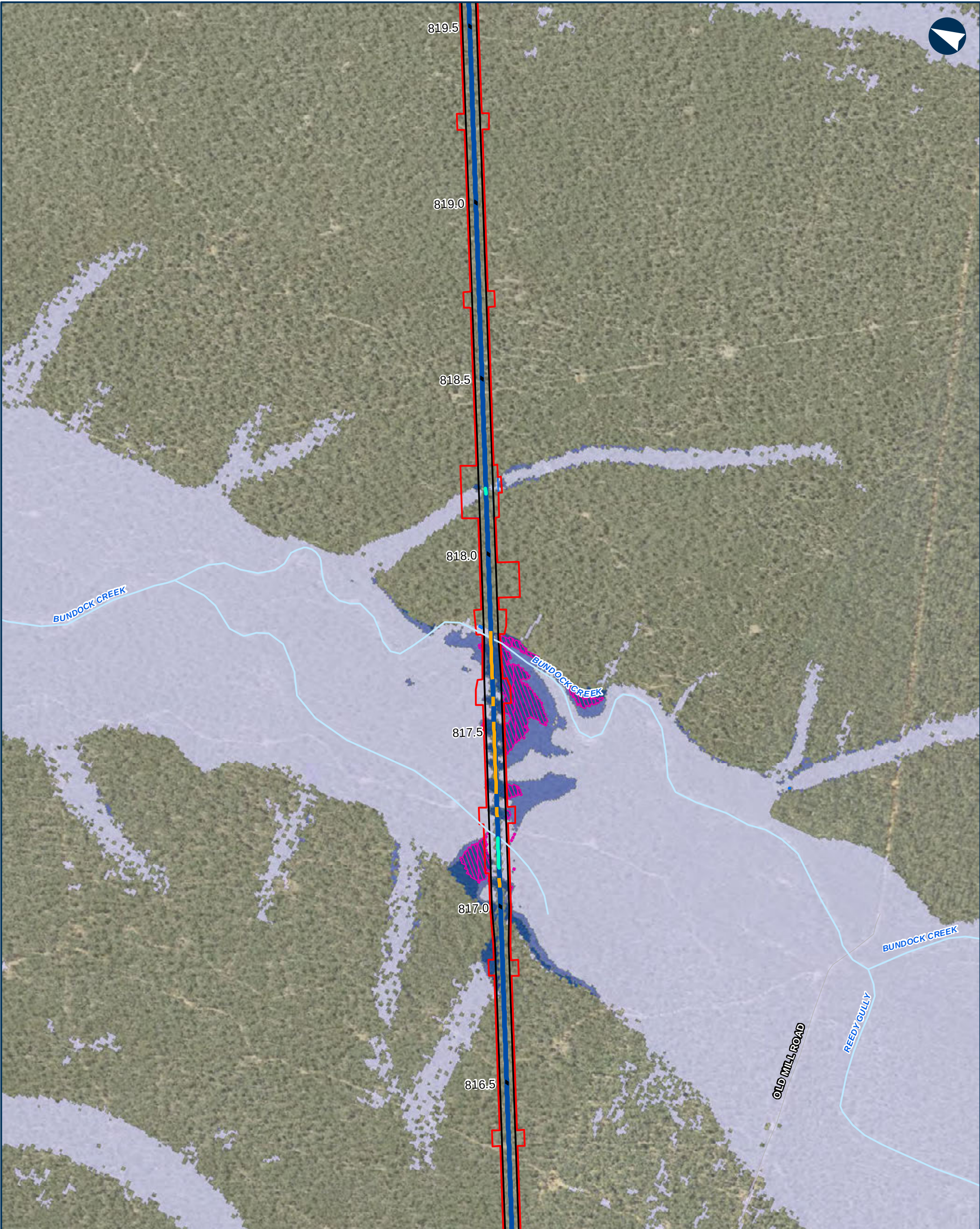
20%+



INLAND RAIL

ARTC

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.91

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: JacobsGHD Scale: 1:10,000
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- Bridge

Culvert

Alignment

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

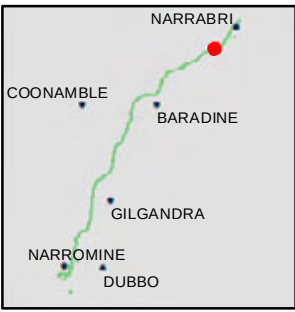
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

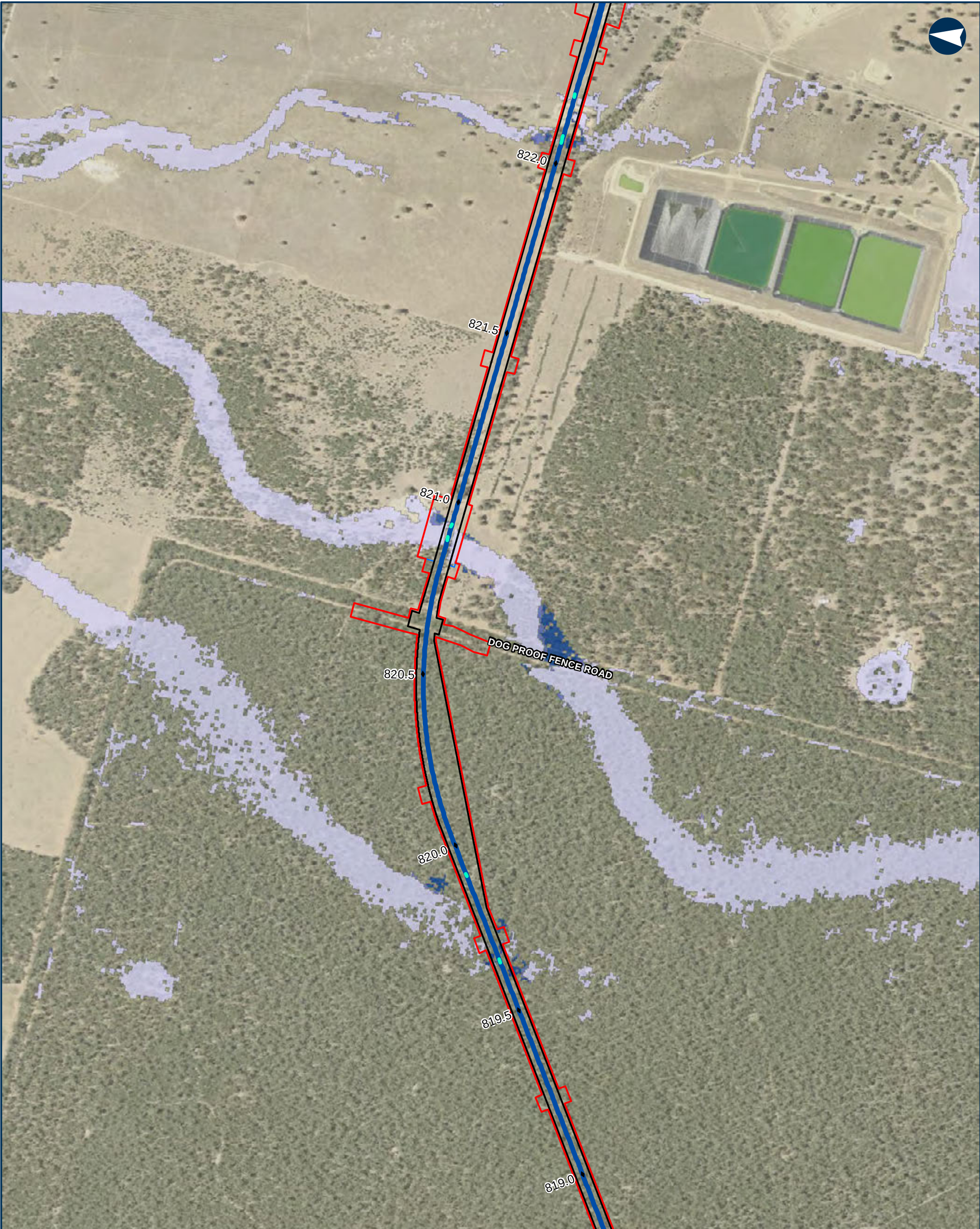
20%+



INLAND RAIL

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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.92

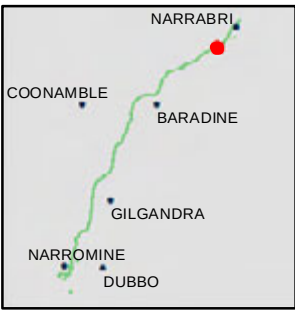
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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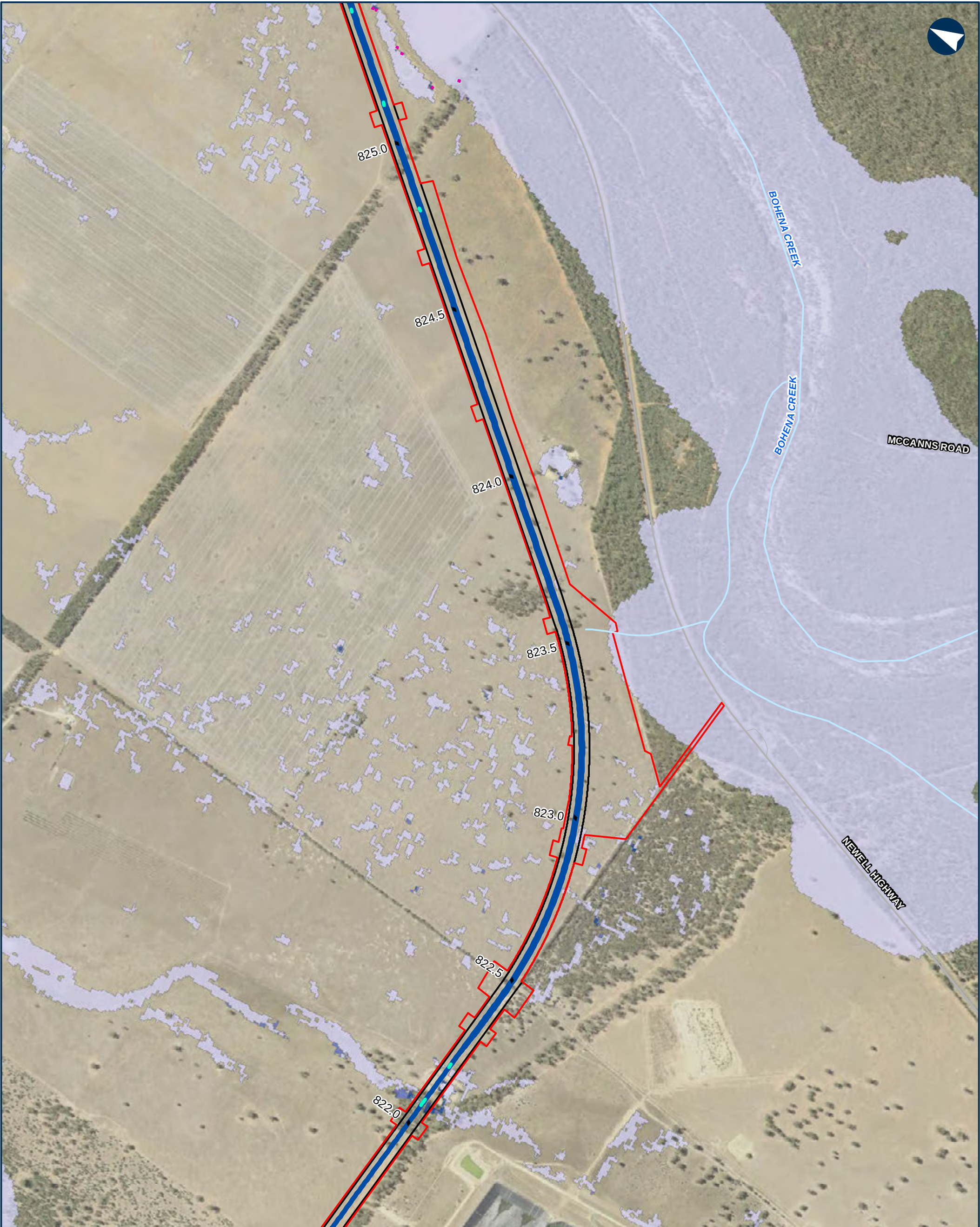
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
- Alignment
- Watercourse
- The proposal
- Drainage Control Area
- Rail Corridor
- Percentage Change
- 0% - 10%
- 10% - 20%
- 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.93

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 9/08/2022

Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Culvert

Alignment

Primary road

Local road

Watercourse

The proposal

Rail Corridor

Area of departure

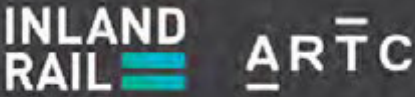
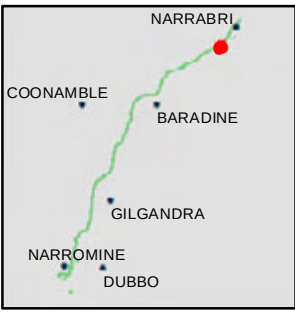
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

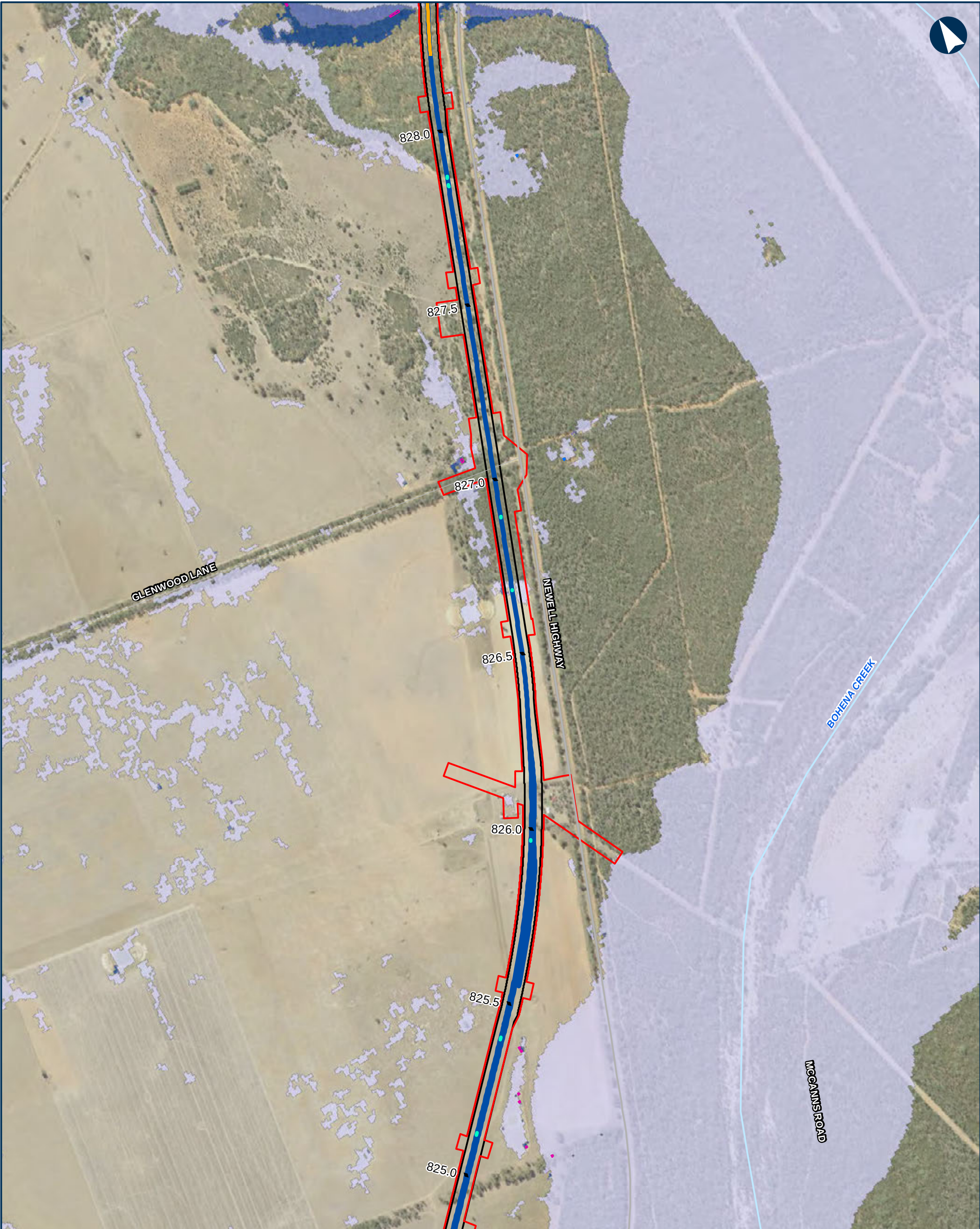
0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.94

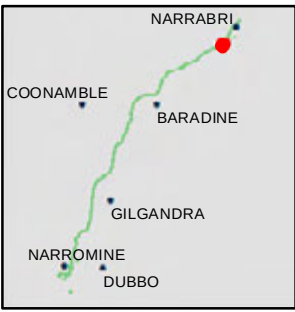
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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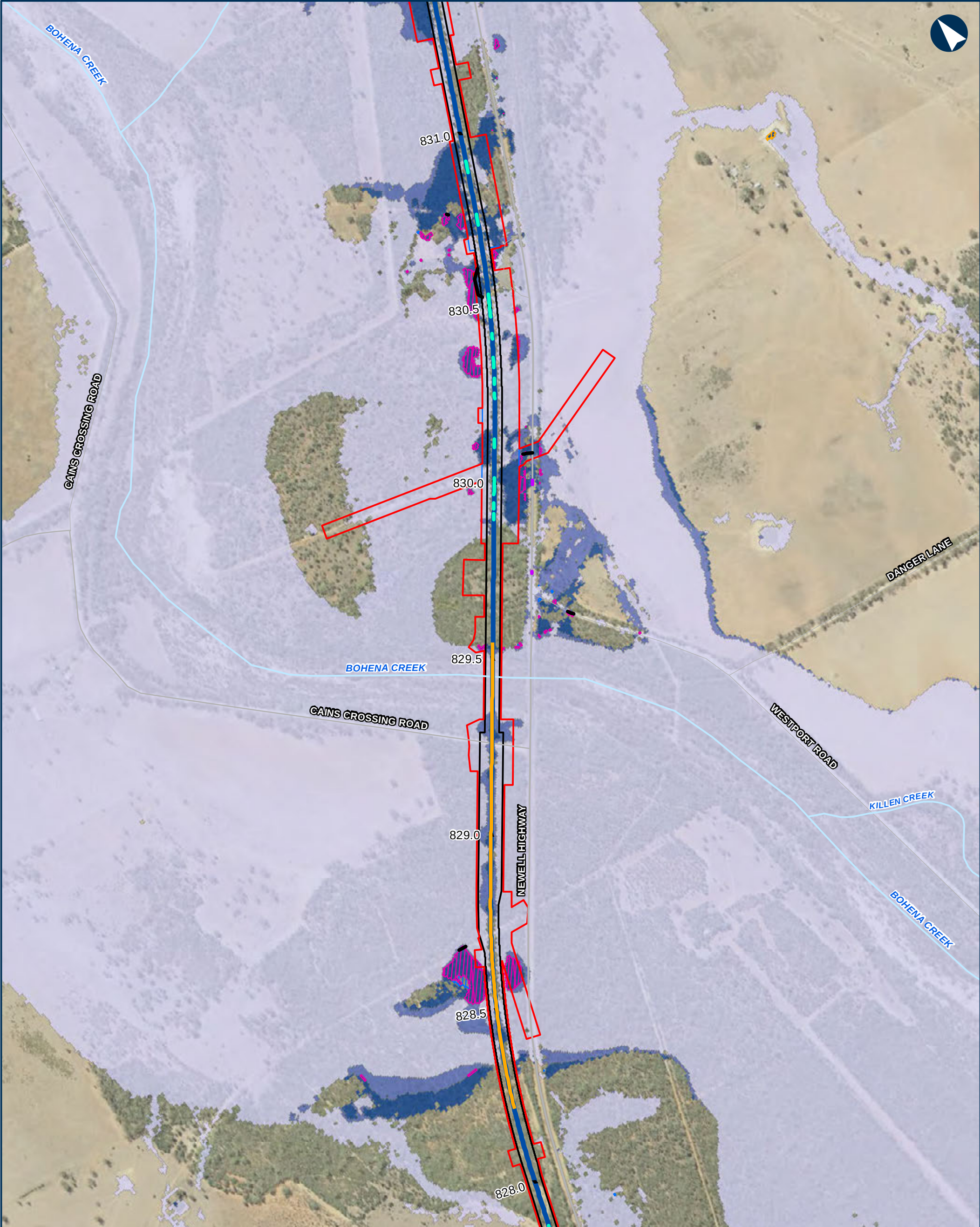
Date: 9/08/2022 Paper: A3
Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge
 - Culvert
 - Alignment
 - Primary road
 - Local road
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.95

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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

- Bridge

Culvert

Road QDL departure

TNSW newly flooded roads

Alignment

Primary road

Sub arterial road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Buildings and sealed surfaces, vd change >10%

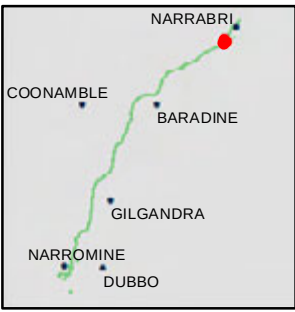
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

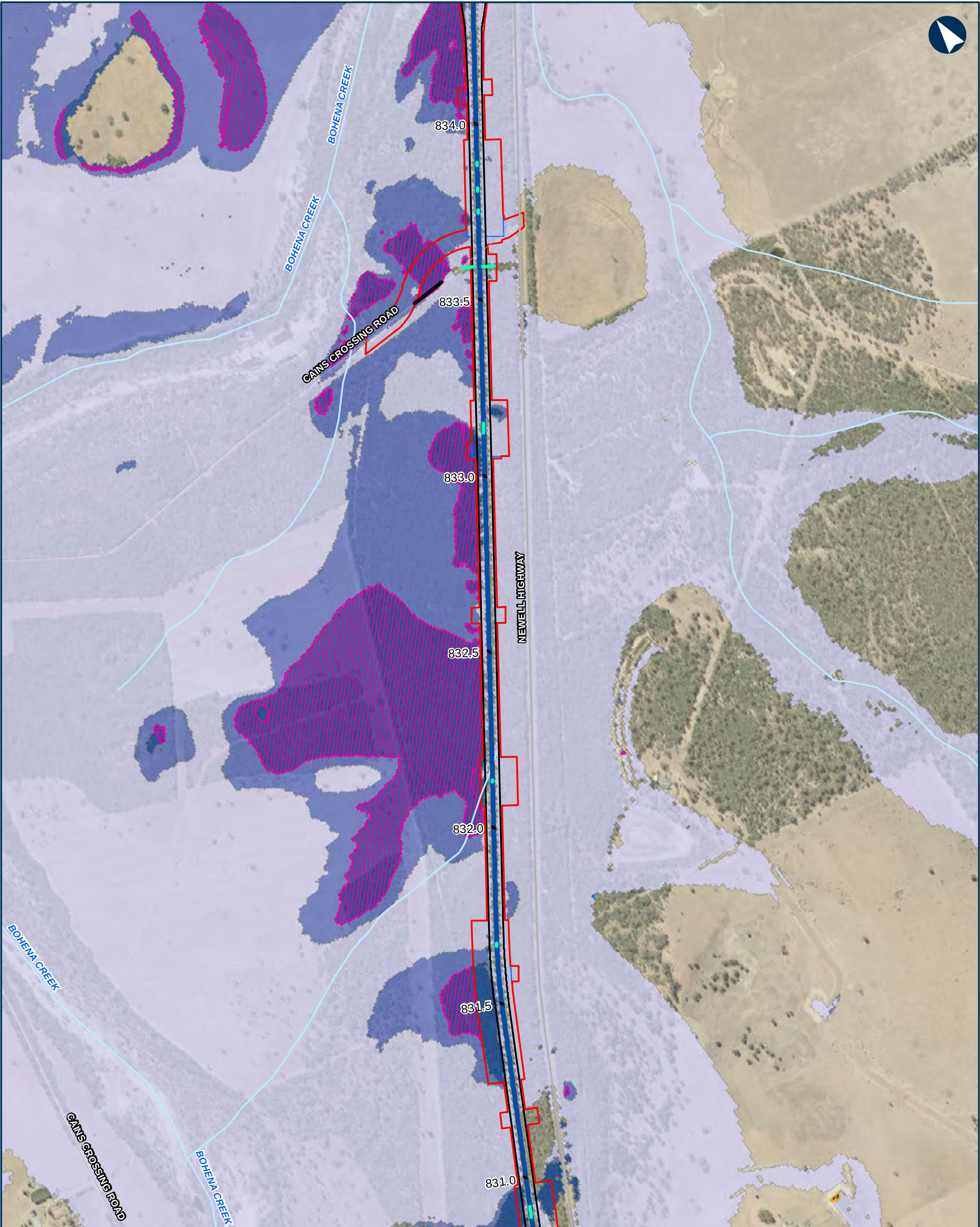
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.96

0200400Metres

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- Culvert

Road QDL departure

Alignment

Primary road

Local road

Watercourse

The proposal

Drainage Control Area

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Buildings and sealed surfaces, vd change >10%

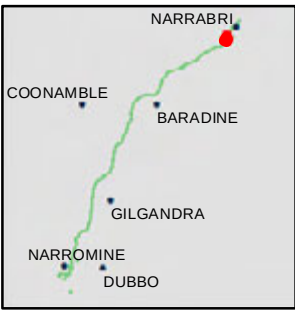
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

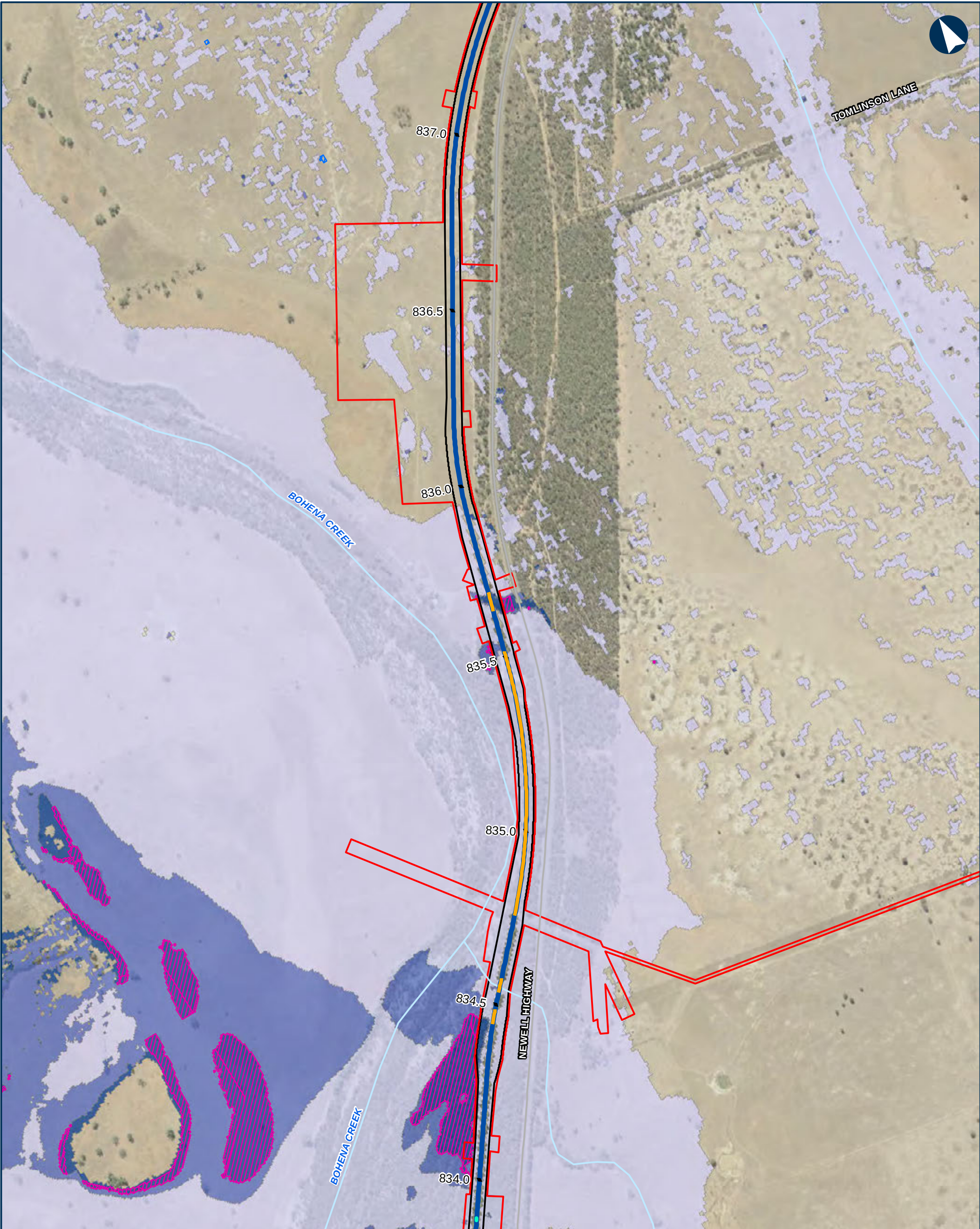
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.97

0 200 400 Metres

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- Bridge
 - Culvert
 - Alignment
 - Primary road
 - Watercourse
 - The proposal
 - Drainage Control Area
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
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 - 20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.98

0200400Metres

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Paper: A3

Author: JacobsGHD

Scale: 1:10,000

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

Culvert

Alignment

Primary road

Local road

Watercourse

The proposal

Rail Corridor

Area of departure

Design flooded, not flooded existing

Buildings and sealed surfaces, vd change >10%

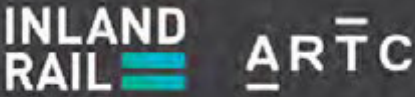
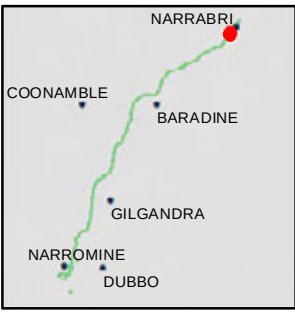
Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

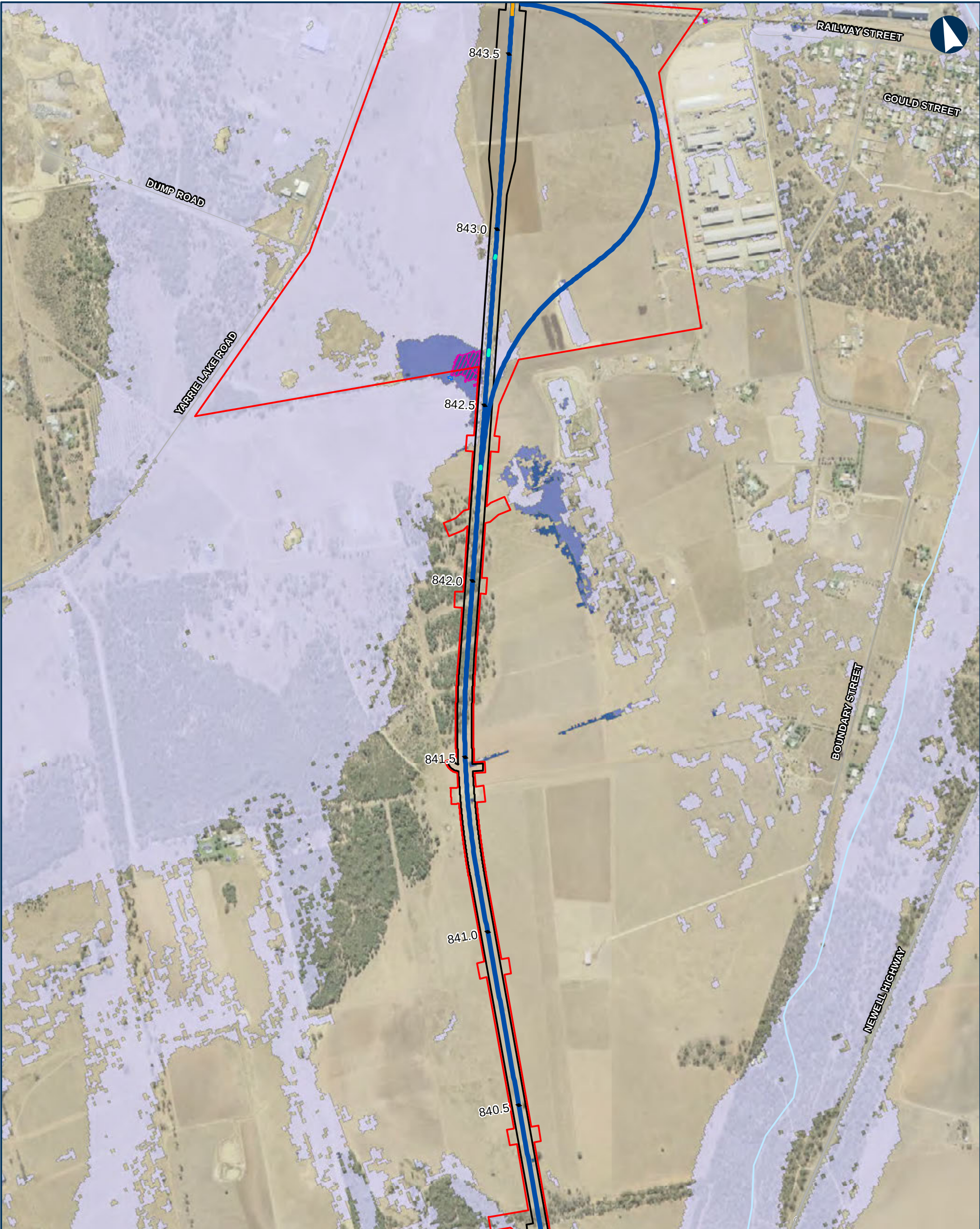
0% - 10%

10% - 20%

20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.99

0 200 400 Metres

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

- Bridge

Culvert

Alignment

Primary road

Sub arterial road

Local road

Watercourse

The proposal

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Buildings and sealed surfaces, vd change >10%

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

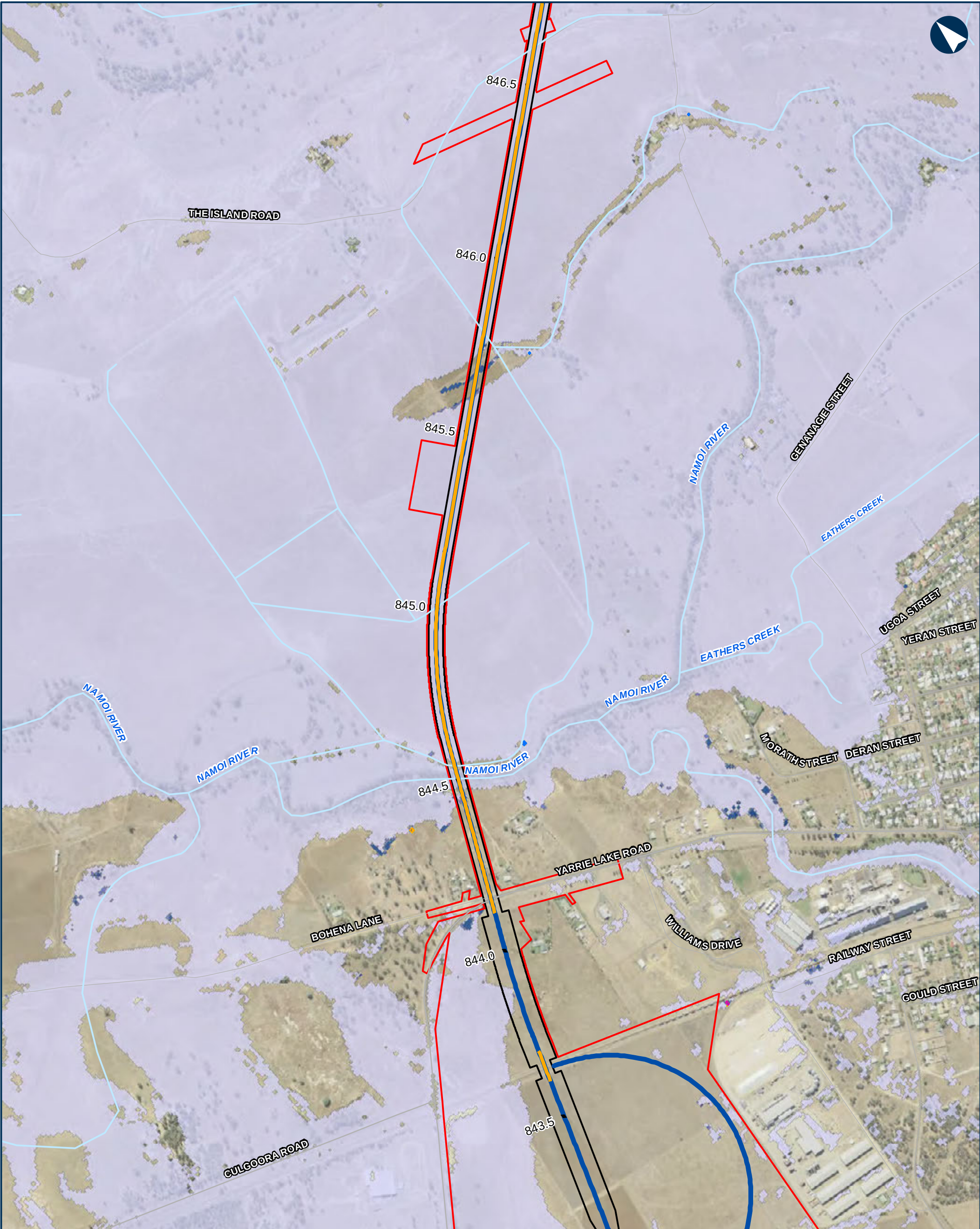
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.100

0 200 400 Metres

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

- Bridge

Alignment

Sub arterial road

Local road

Watercourse

The proposal

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Buildings and sealed surfaces, vd change >10%

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

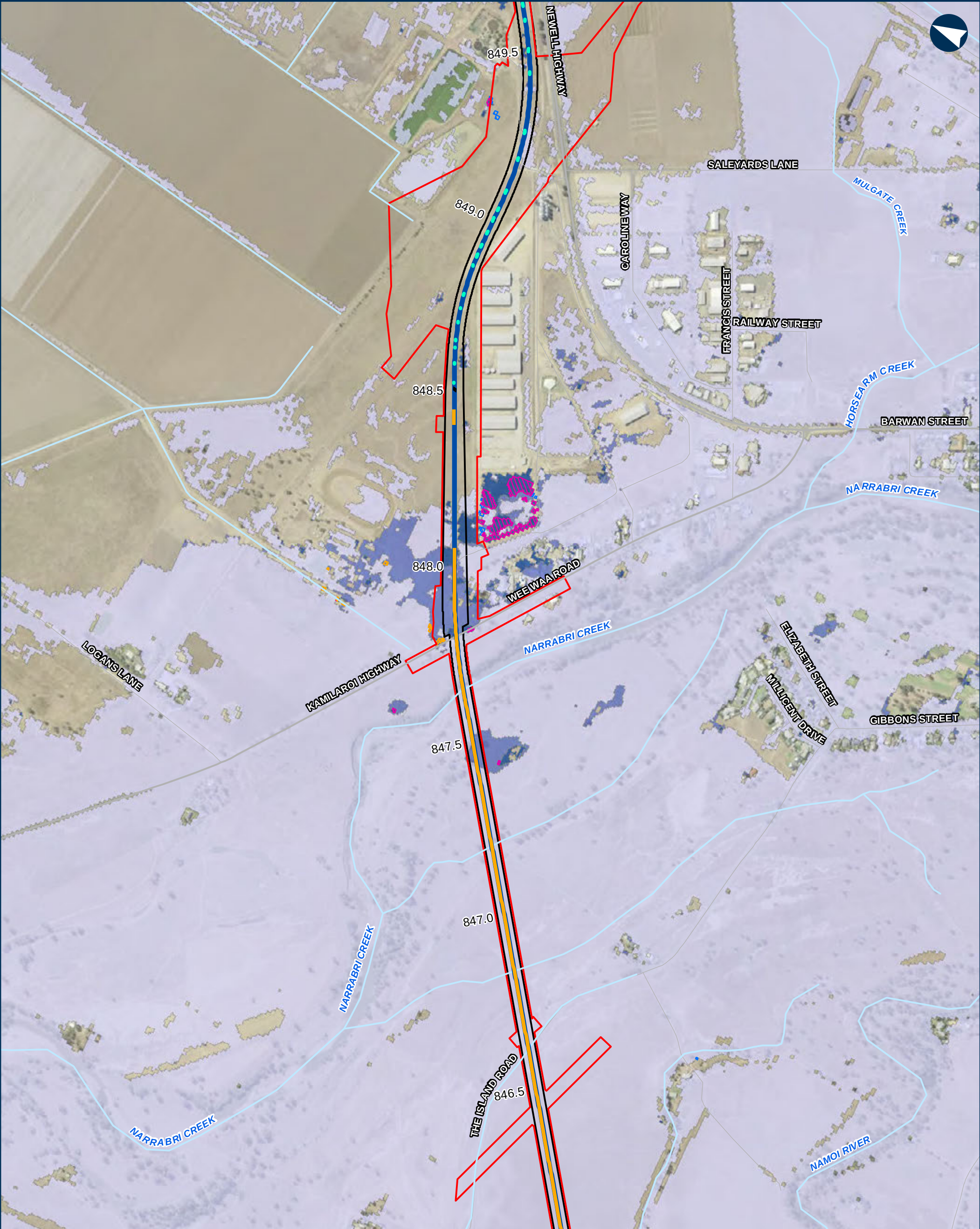
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.101

0 200 400 Metres

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Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Bridge

Culvert

Alignment

Primary road

Local road

Watercourse

The proposal

Rail Corridor
- Area of departure

Design flooded, not flooded existing

Buildings and sealed surfaces, vd change >10%

Other unsealed surfaces / elsewhere, vd change >20%

Percentage Change

0% - 10%

10% - 20%

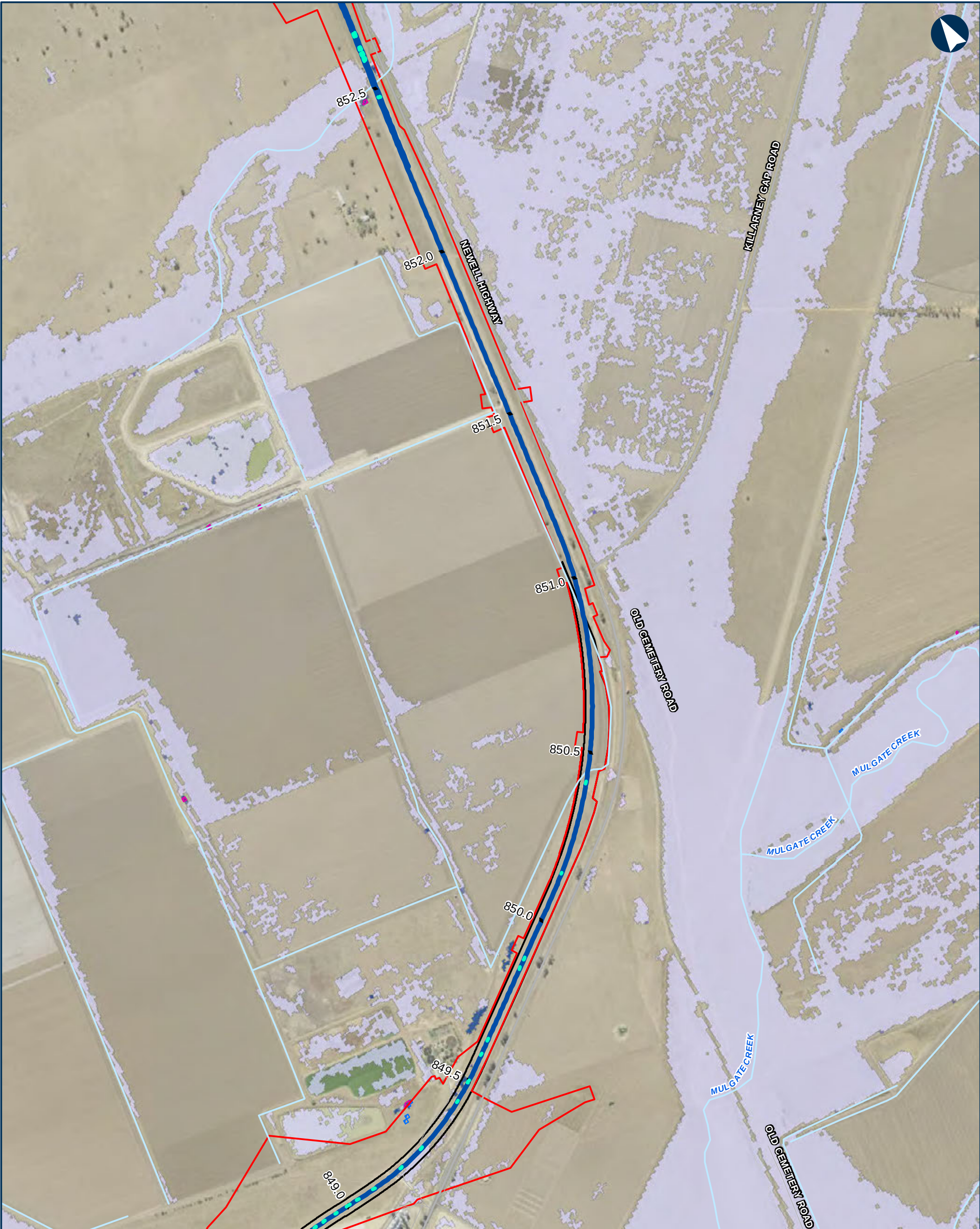
20%+



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.102

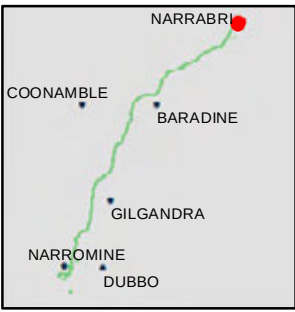
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: JacobsGHD Scale: 1:10,000
Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

- Culvert
 - Alignment
 - Primary road
 - Arterial road
 - Local road
 - Watercourse
 - The proposal
 - Rail Corridor
- Area of departure
- Design flooded, not flooded existing
 - Other unsealed surfaces / elsewhere, vd change >20%
- Percentage Change
- 0% - 10%
 - 10% - 20%
 - 20%+



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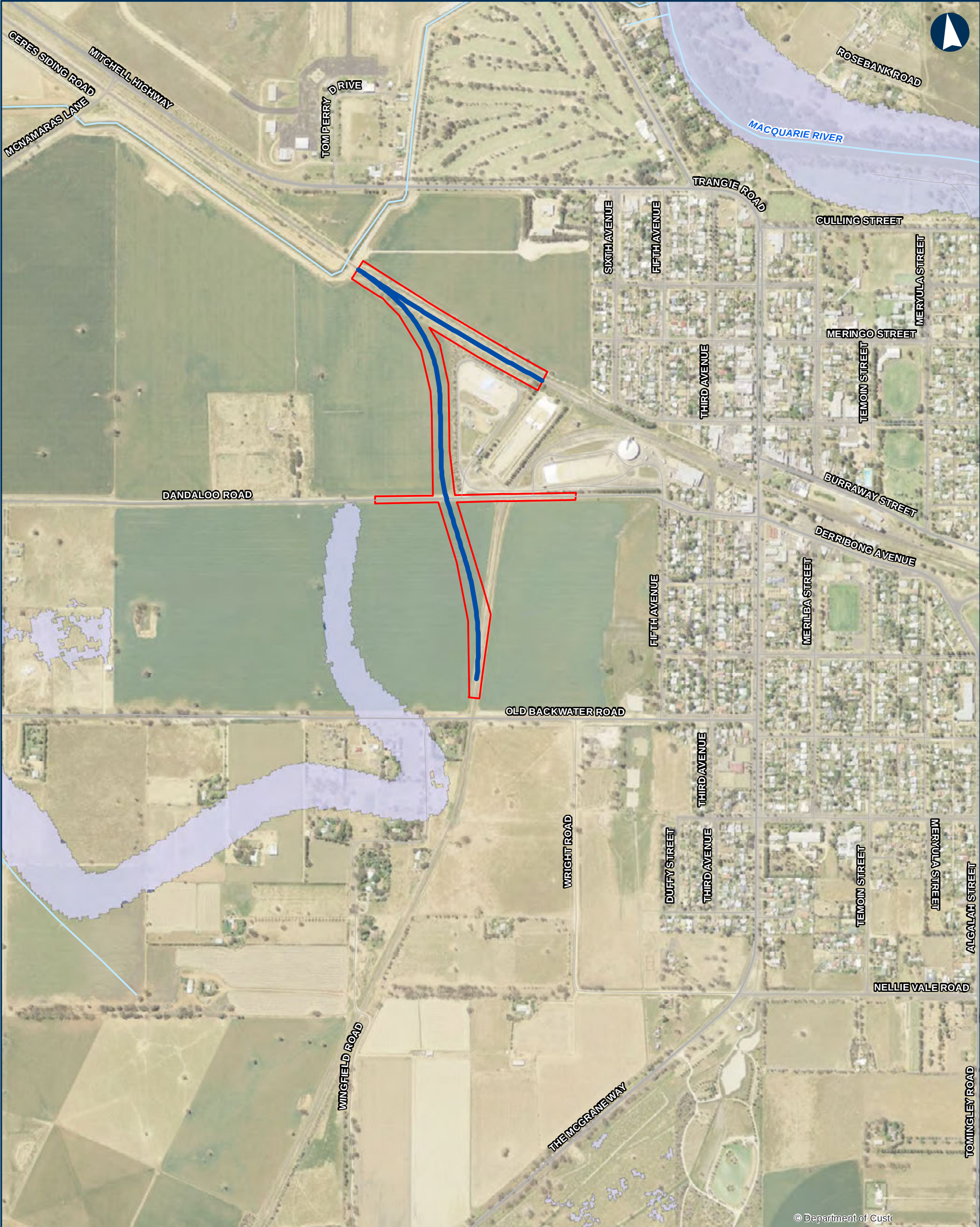
NARROMINE TO NARRABRI QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.103



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NARROMINE TO NARRABRI

QDL departures - Hazard - 5% AEP

Appendix I - Figure 3.2.104

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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- Alignment
- Primary road
- Arterial road
- Sub arterial road
- Local road
- Watercourse
- The proposal
- Percentage Change
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 - 20%+



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