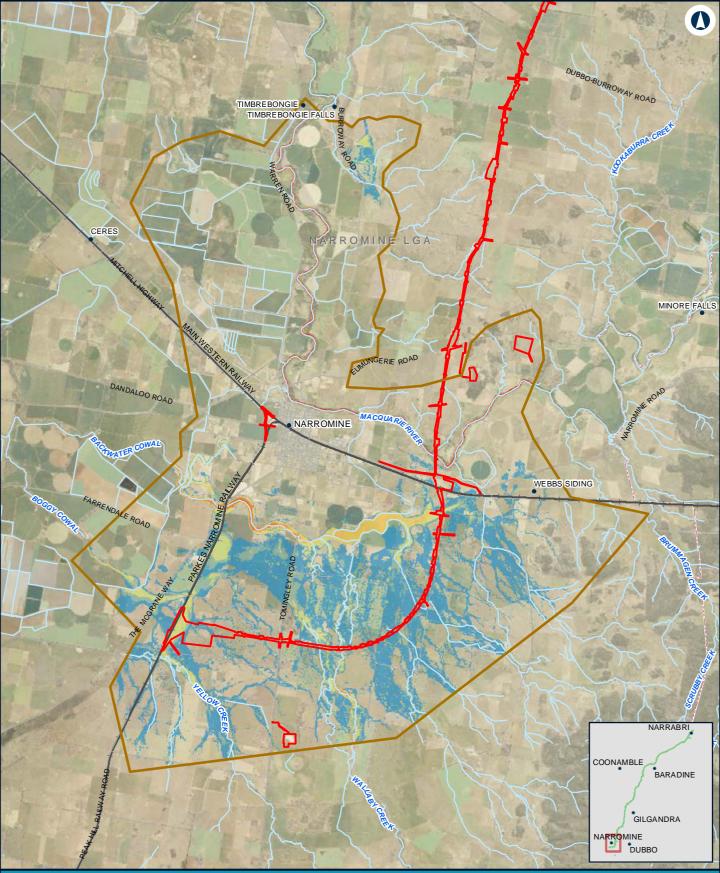


Updated flooding and hydrology assessment

Appendix D4 Existing maximum hazard

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Existing flood hazard - 20% AEP - NFM

EGEND	
	The proposal site
	Model boundary
	Generally safe for vehicles, people and buildings
	Unsafe for small vehicles
	Unsafe for vehicles, children and the elderly
	Unsafe for vehicles and people
	Unsafe for all people and all vehicles. Buildings require special engineering design and construction
	Unconditionally dangerous

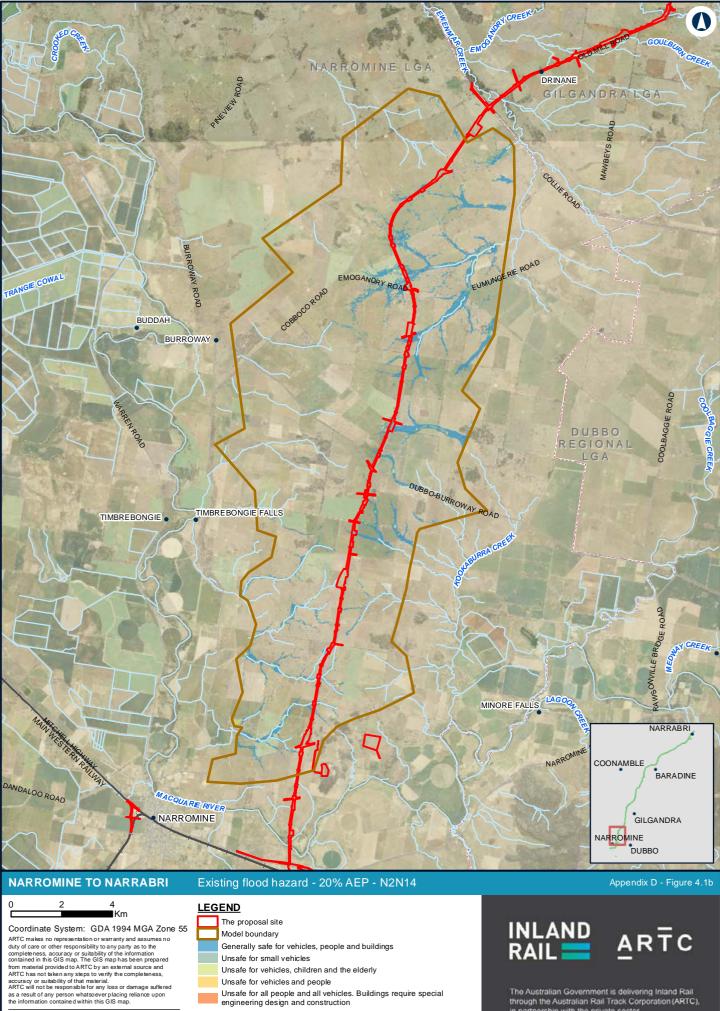
Appendix D - Figure 4.1a



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

Date: 10/01/2022 Paper: A4 Unconditionality darigen Author: JacobsGHD Scale: 1:140,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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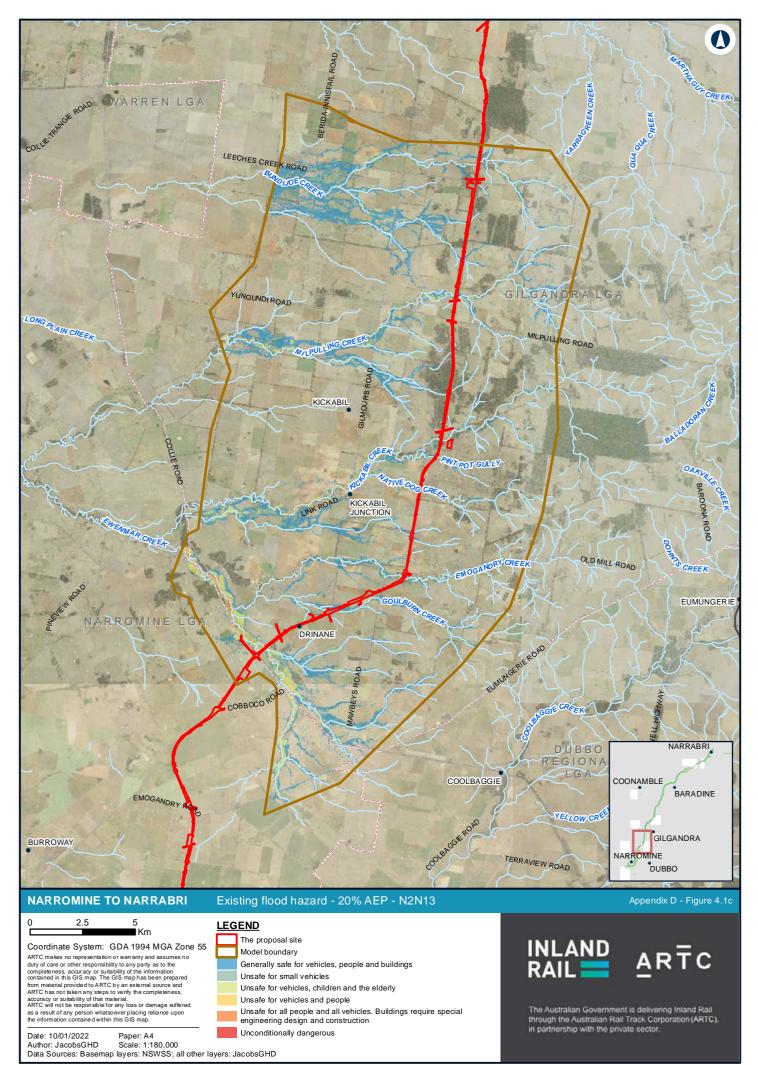


engineering design and construction

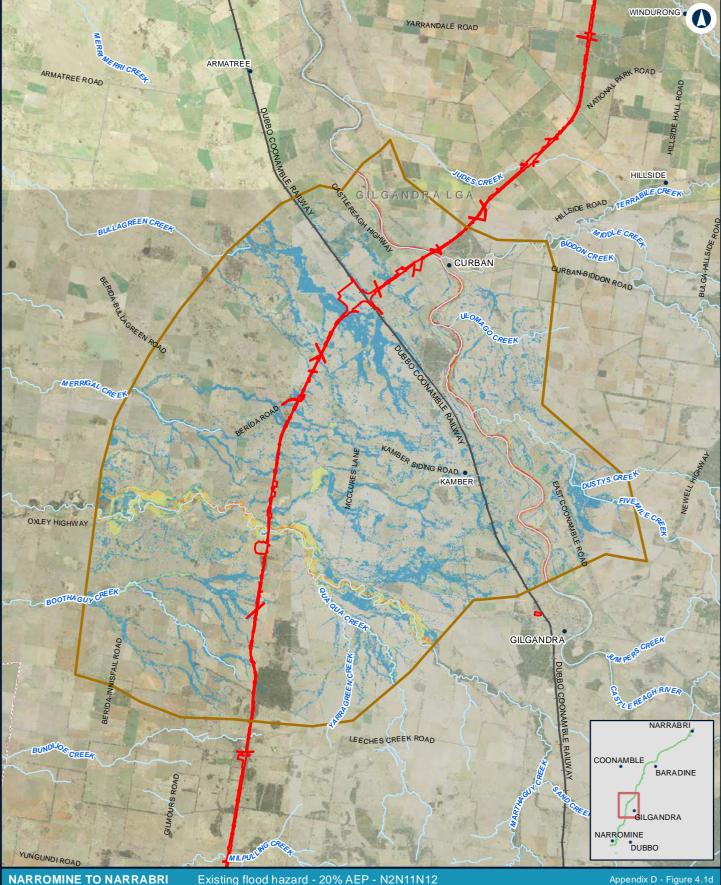
The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

Date: 10/01/2022 Paper: A4 Author: JacobsGHD Scale: 1:150,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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Existing flood hazard - 20% AEP - N2N11N12

RAIL ARTC

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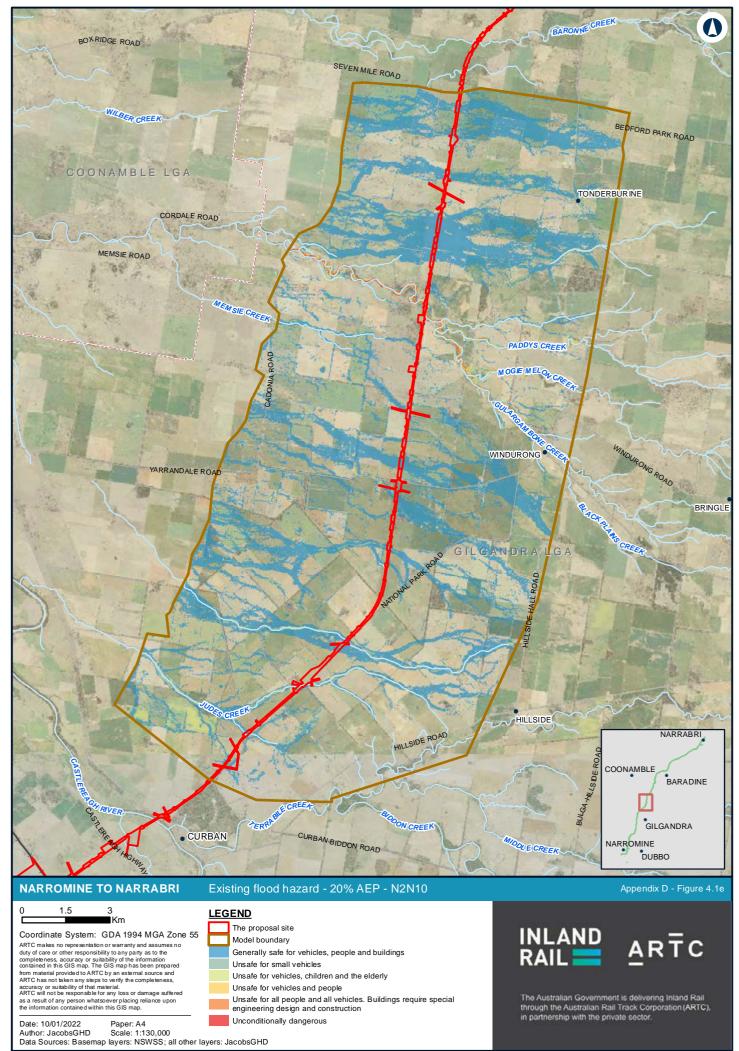
LEGEND

The proposal site
Model boundary
Generally safe for vehicles, people and buildings
Unsafe for small vehicles
Unsafe for vehicles, children and the elderly
Unsafe for vehicles and people
Unsafe for all people and all vehicles. Buildings require special engineering design and construction

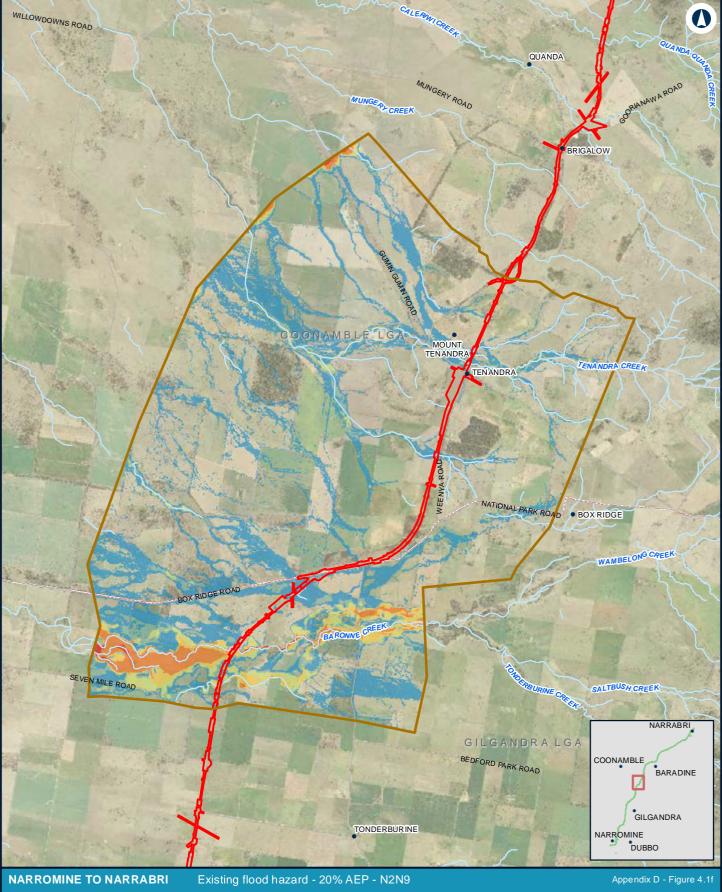
Unconditionally dangerous

Date: 10/01/2022 Paper: A4 Unconomo Author: JacobsGHD Scale: 1:200,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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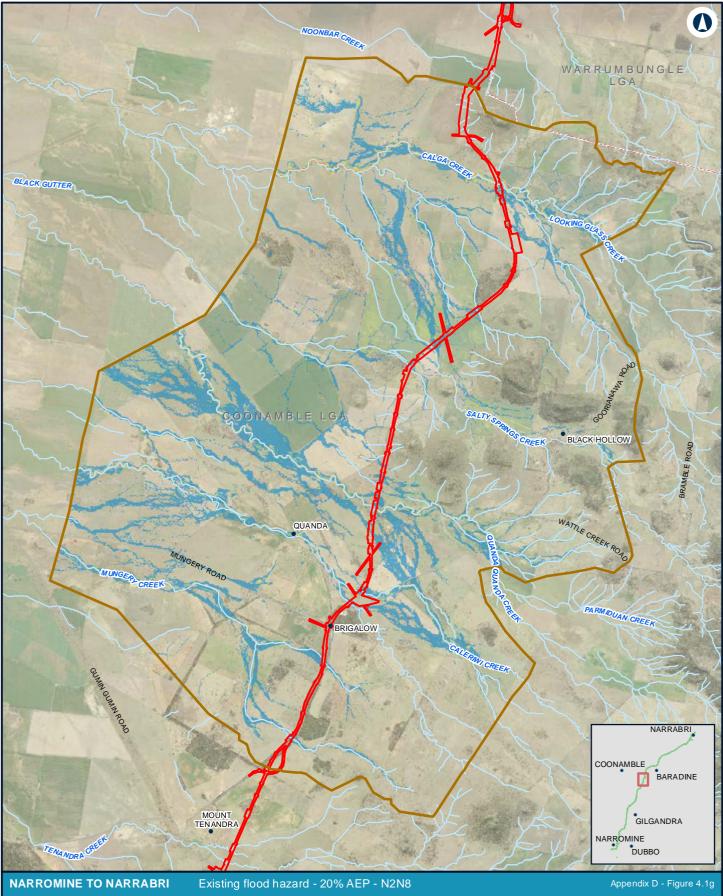
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 Author: JacobsGHD
 Scale: 1:110,000
 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND

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	The proposal site	
	Model boundary	
	Generally safe for vehicles, people and buildings	
	Unsafe for small vehicles	
	Unsafe for vehicles, children and the elderly	
	Unsafe for vehicles and people	
	Unsafe for all people and all vehicles. Buildings require special engineering design and construction	
	Unconditionally dangerous	





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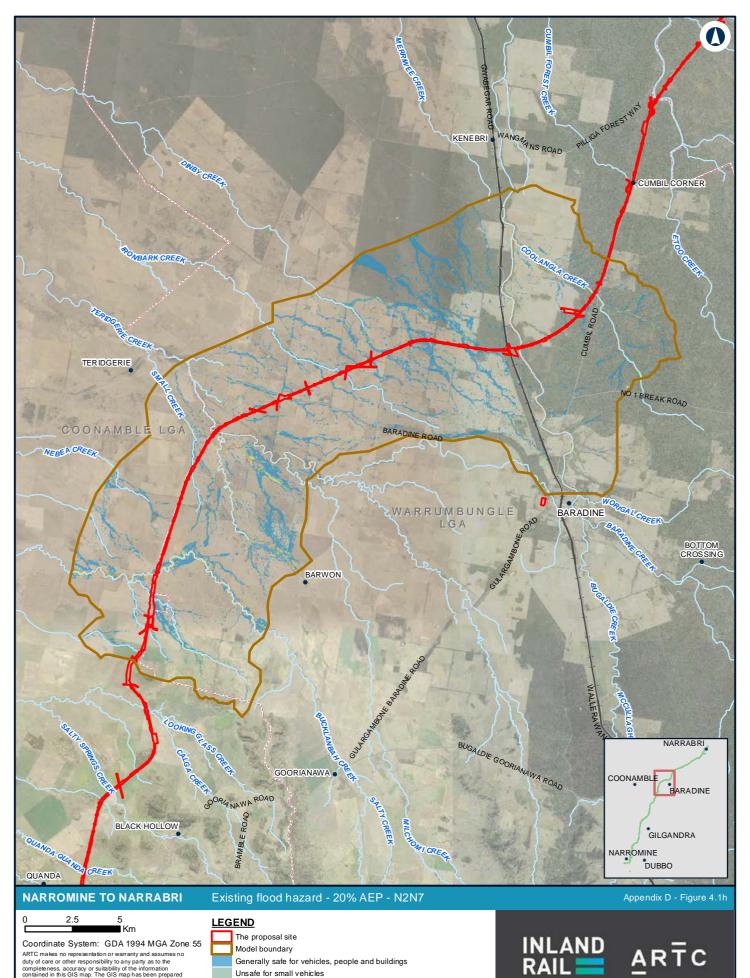
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	The proposal site	
	Model boundary	
	Generally safe for vehicles, people and buildings	
	Unsafe for small vehicles	
	Unsafe for vehicles, children and the elderly	
	Unsafe for vehicles and people	
	Unsafe for all people and all vehicles. Buildings require special engineering design and construction	
	Unconditionally dangerous	



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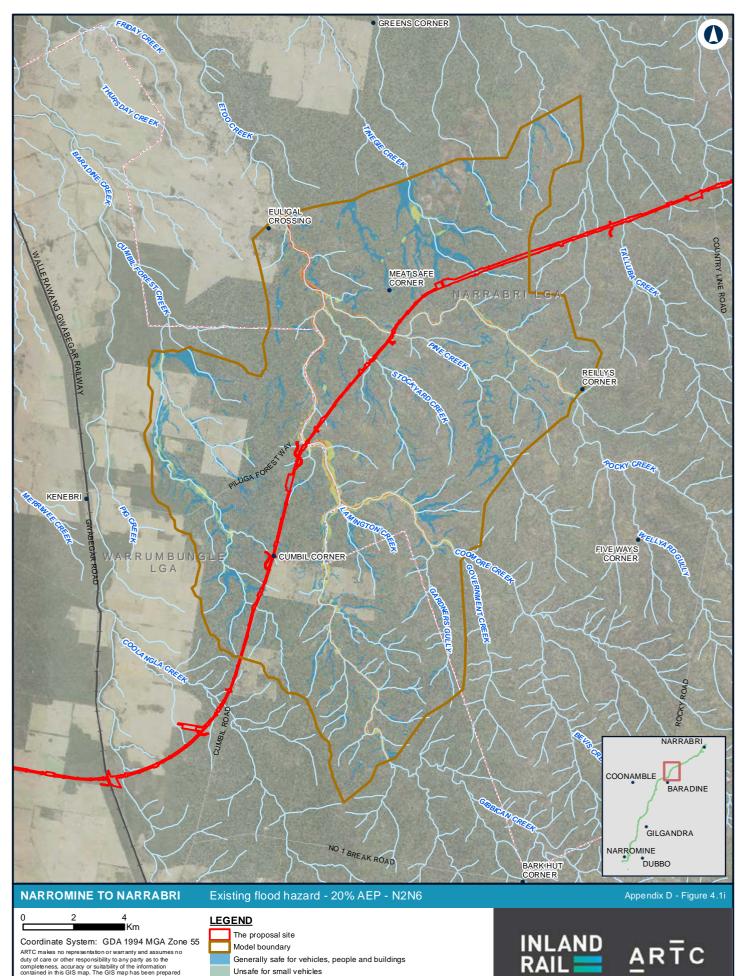
Generally safe for vehicles, people and buildings

Unsafe for all people and all vehicles. Buildings require special

Unsafe for vehicles, children and the elderly Unsafe for vehicles and people

engineering design and construction

Unsafe for small vehicles



Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone 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.

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Generally safe for vehicles, people and buildings

Unsafe for all people and all vehicles. Buildings require special

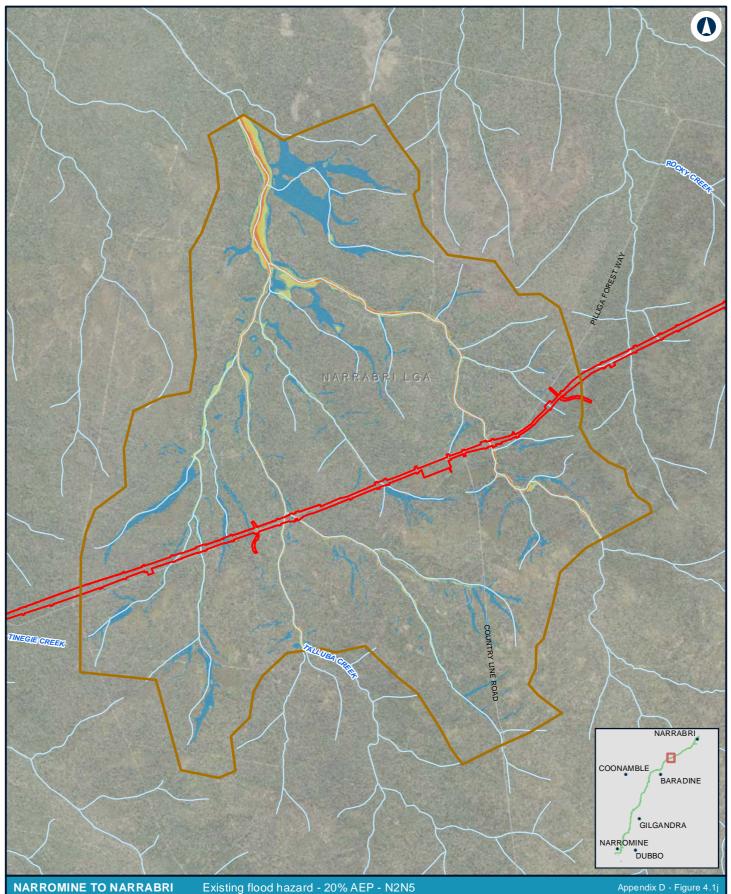
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engineering design and construction

Model boundary

Unsafe for small vehicles

Unconditionally dangerous



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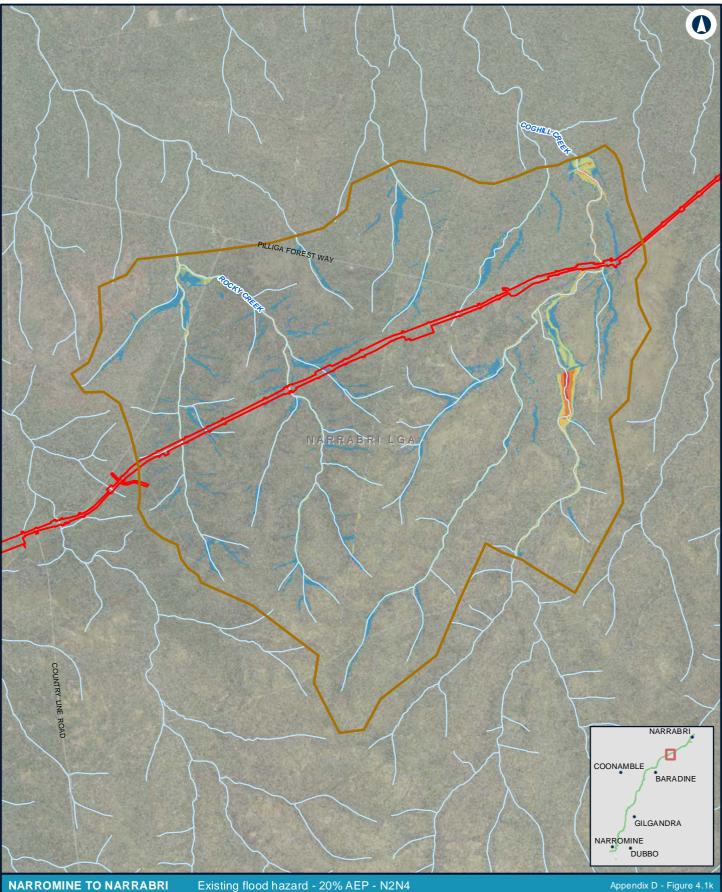
Unconditionally dangerous

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LEGEND

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Unconditionally dangerous

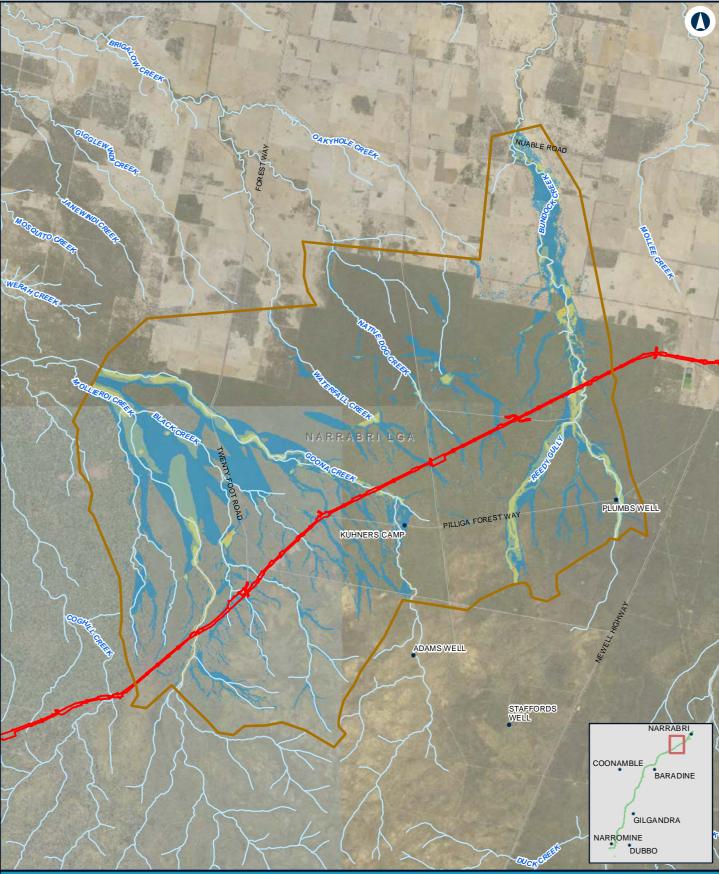


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Unconditionally dangerous

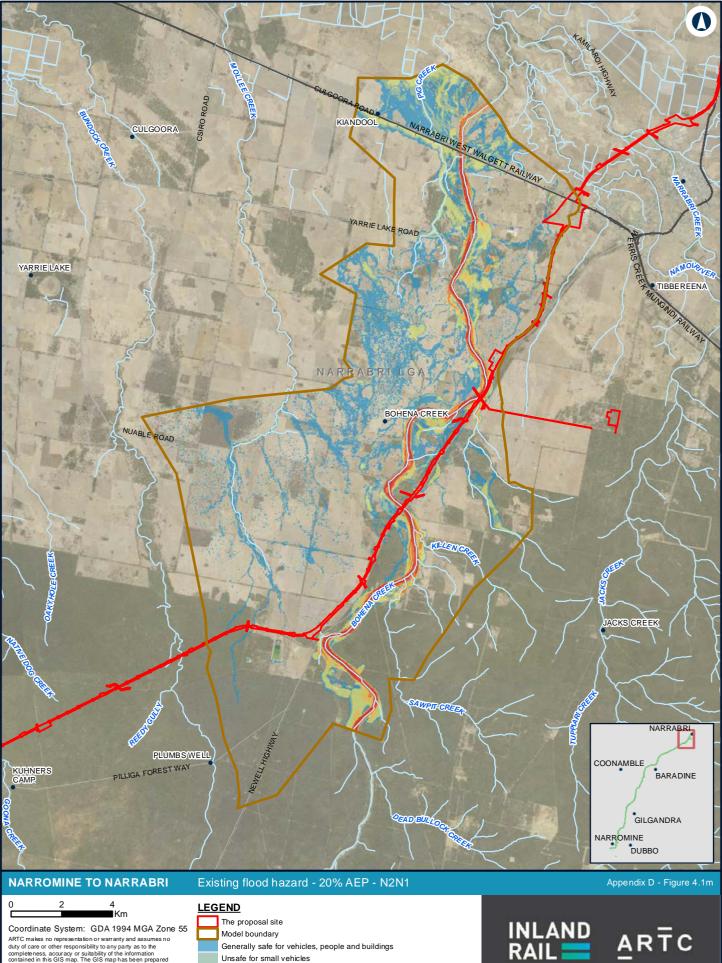
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Existing flood hazard - 20% AEP - N2N23

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	The proposal site	
	Model boundary	
	Generally safe for vehicles, people and buildings	
	Unsafe for small vehicles	
	Unsafe for vehicles, children and the elderly	
	Unsafe for vehicles and people	
	Unsafe for all people and all vehicles. Buildings require s engineering design and construction	





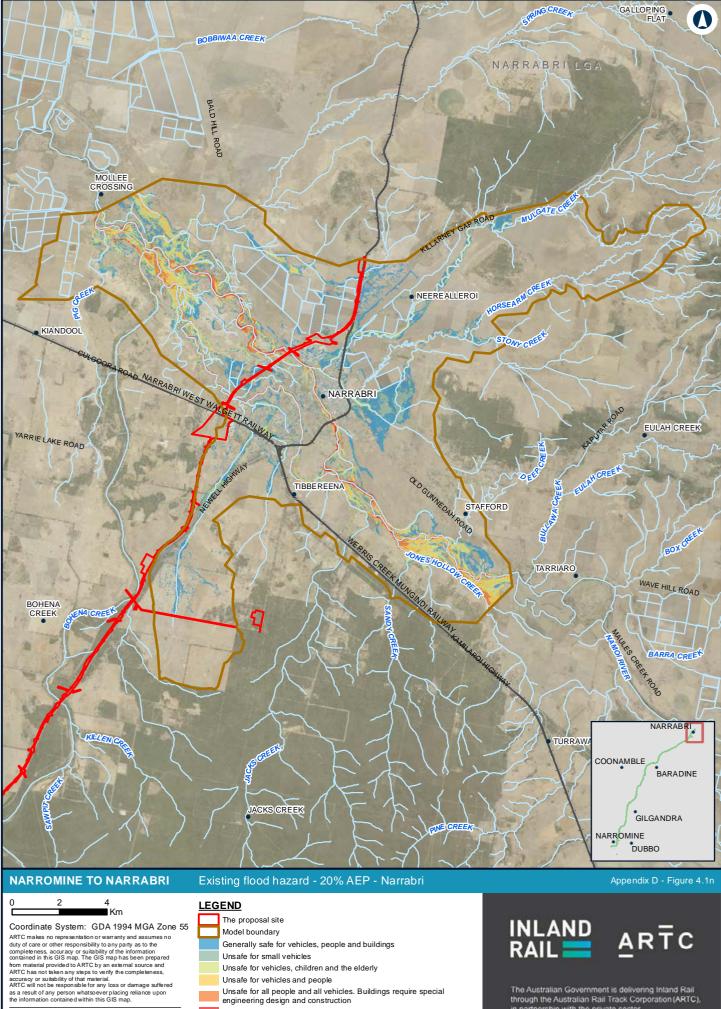
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	The proposal site	
	Model boundary	
	Generally safe for vehicles, people and buildings	
	Unsafe for small vehicles	
	Unsafe for vehicles, children and the elderly	
	Unsafe for vehicles and people	
	Unsafe for all people and all vehicles. Buildings require special engineering design and construction	
	Unconditionally dangerous	

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

Date: 10/01/2022 Paper: A4 Unconditional Author: JacobsGHD Scale: 1:150,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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Unsafe for vehicles, children and the elderly

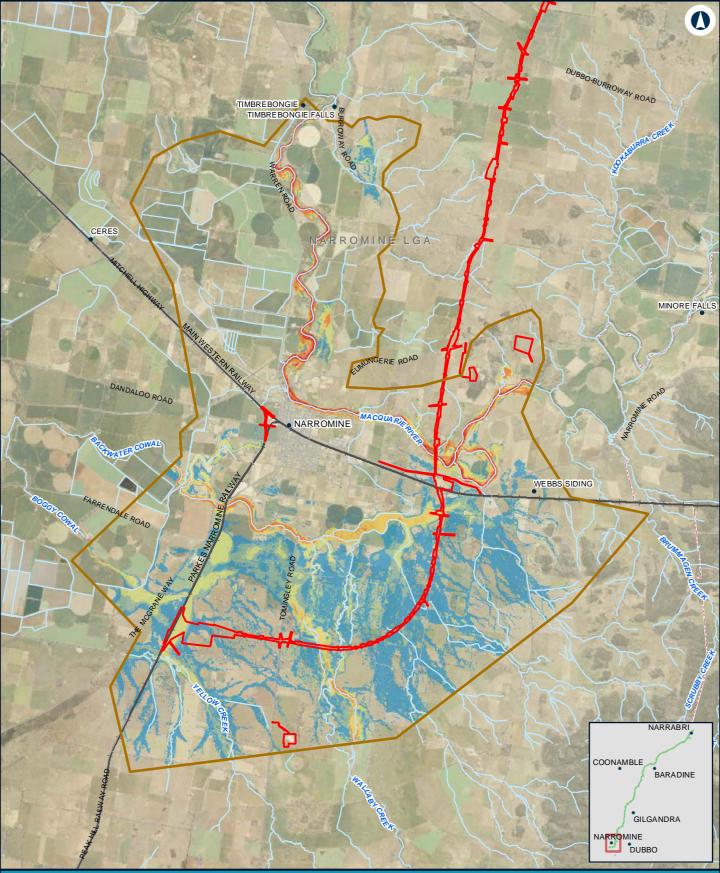
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special

engineering design and construction Unconditionally dangerous

Paper: A4 Scale: 1:160,000 Author: JacobsGHD

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Date: 10/01/2022



Existing flood hazard - 5% AEP - NFM

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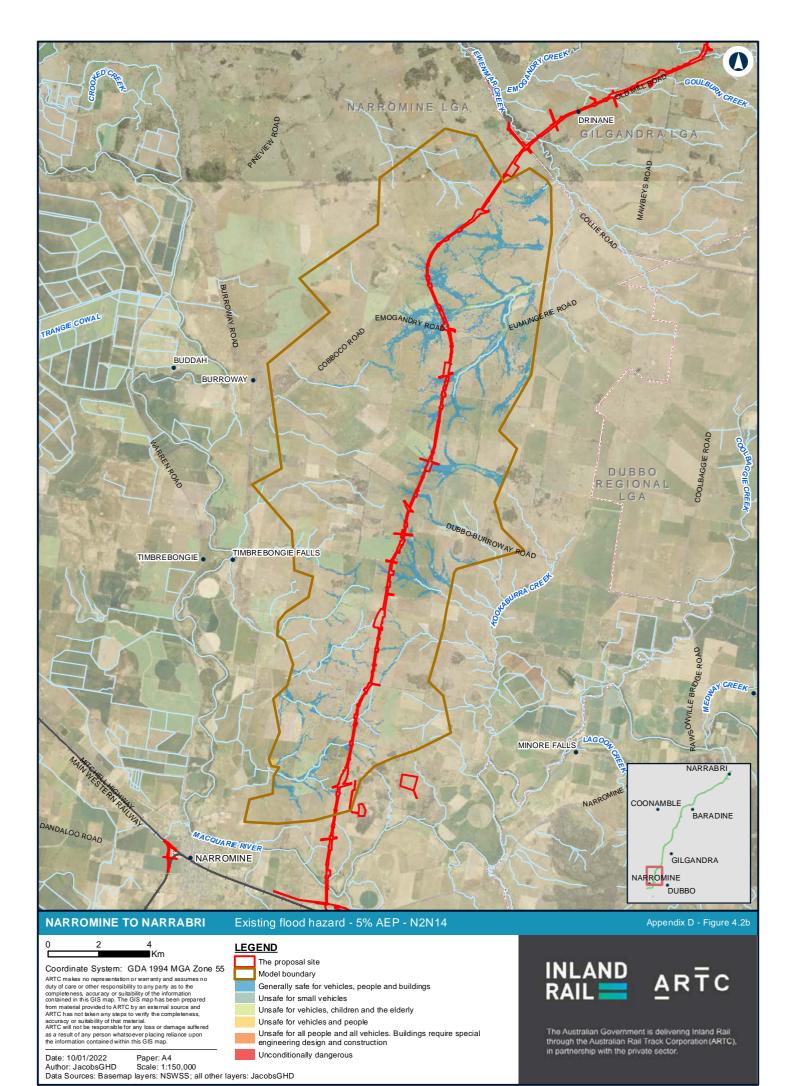
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LEGEND	
	The proposal site
	Model boundary
	Generally safe for vehicles, people and buildings
	Unsafe for small vehicles
	Unsafe for vehicles, children and the elderly
	Unsafe for vehicles and people
	Unsafe for all people and all vehicles. Buildings require special engineering design and construction
	Unconditionally dangerous

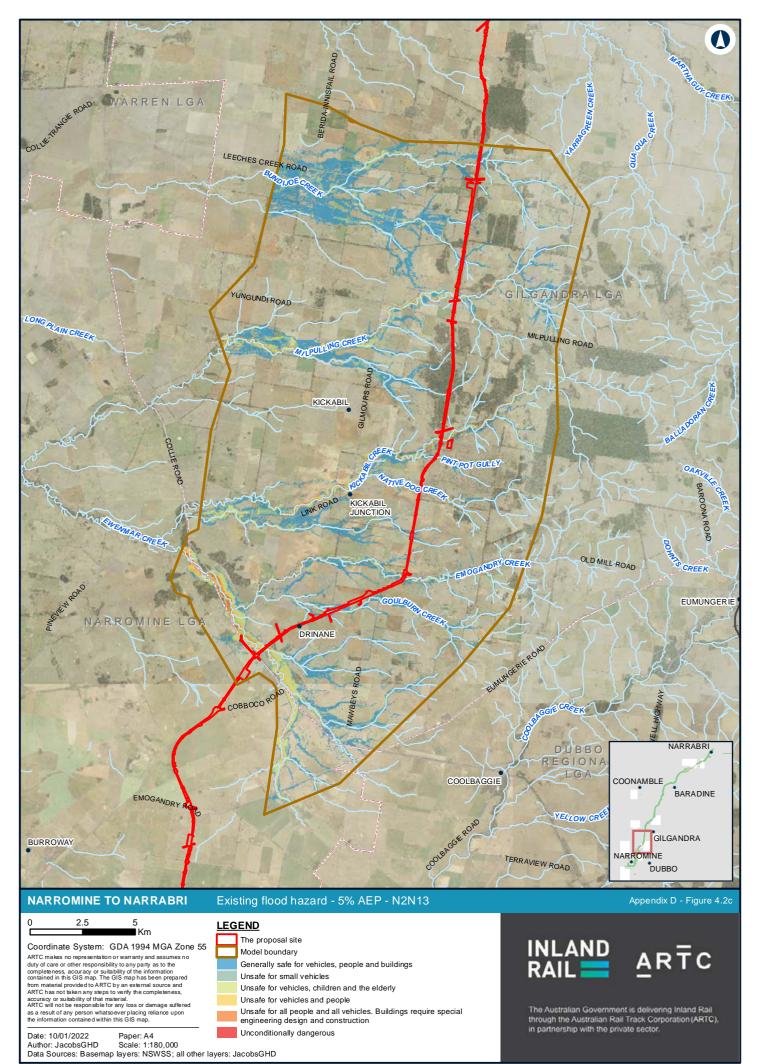


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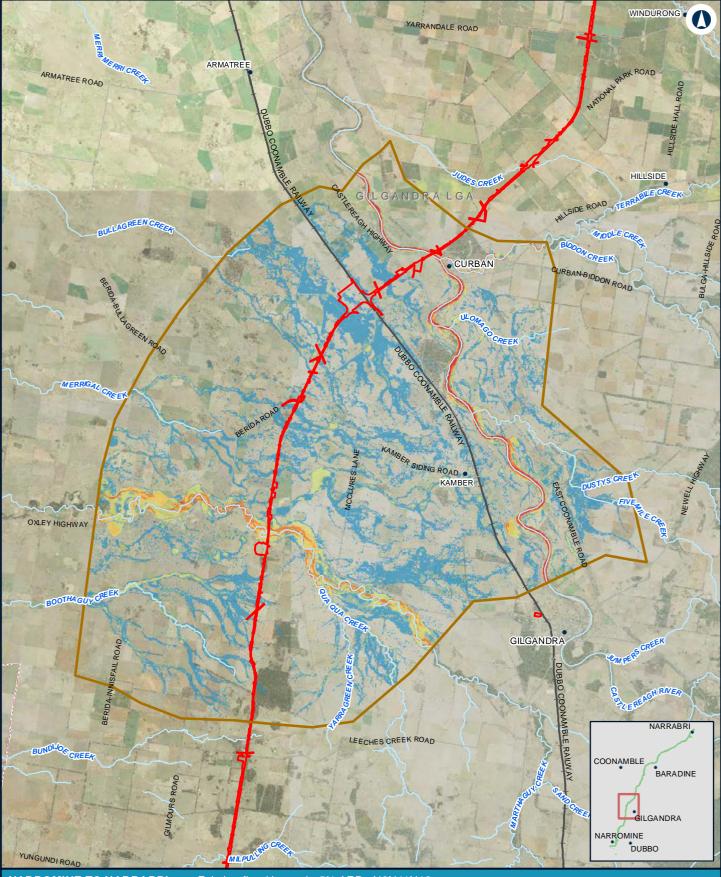
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Existing flood hazard - 5% AEP - N2N11N12

Appendix D - Figure 4.2d

RAIL ARTC

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- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special
- engineering design and construction

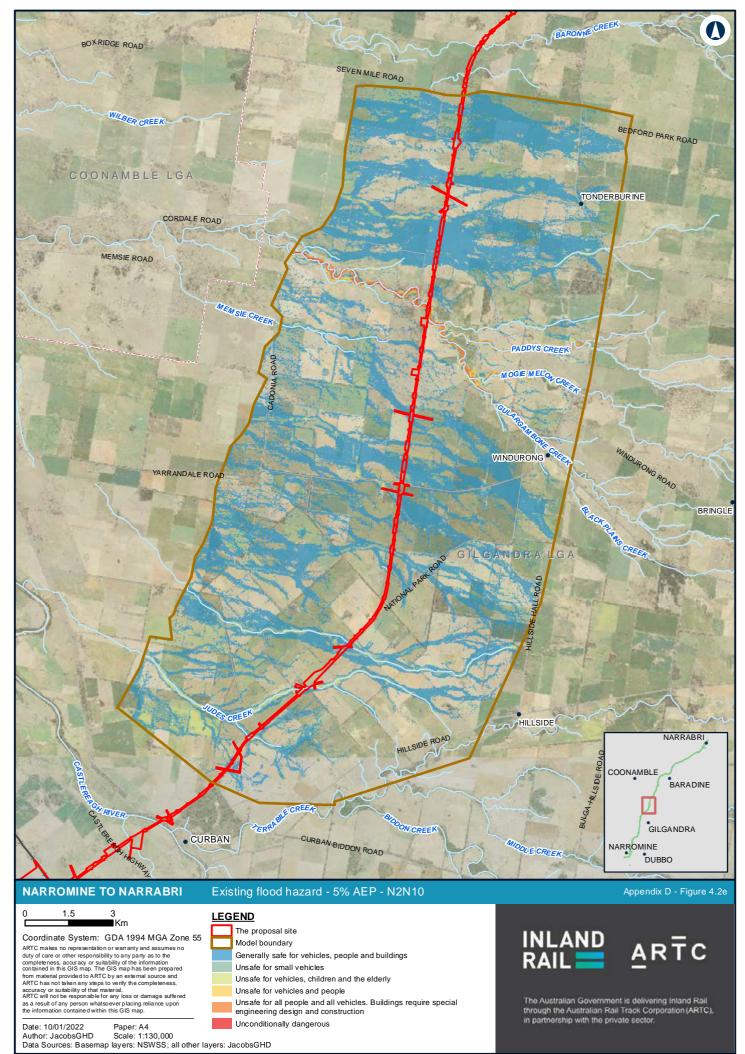
Unconditionally dangerous

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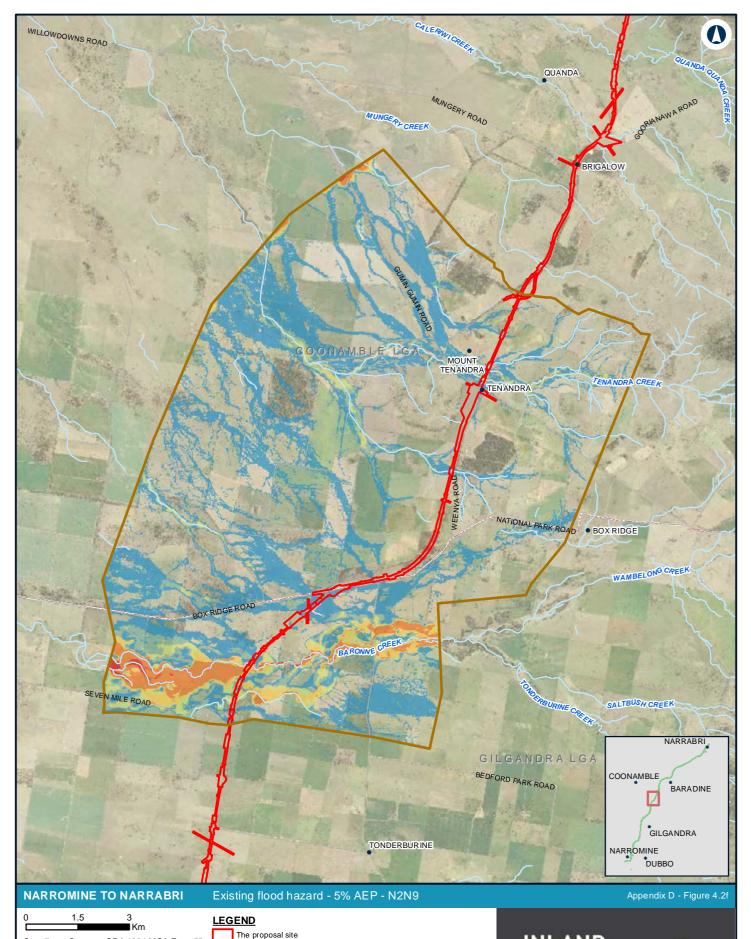
 Author:
 JacobsGHD
 Scale:
 1:200,000

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

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

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Unsafe for all people and all vehicles. Buildings require special

Generally safe for vehicles, people and buildings

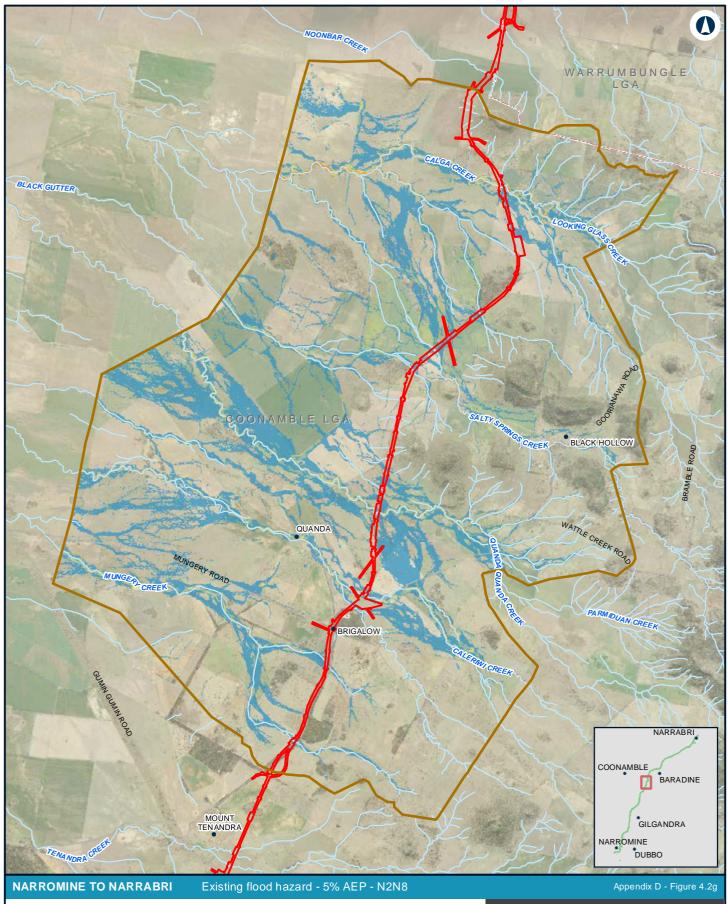
Unsafe for vehicles, children and the elderly Unsafe for vehicles and people

engineering design and construction Unconditionally dangerous

Model boundary

Unsafe for small vehicles





0 1 2 Km

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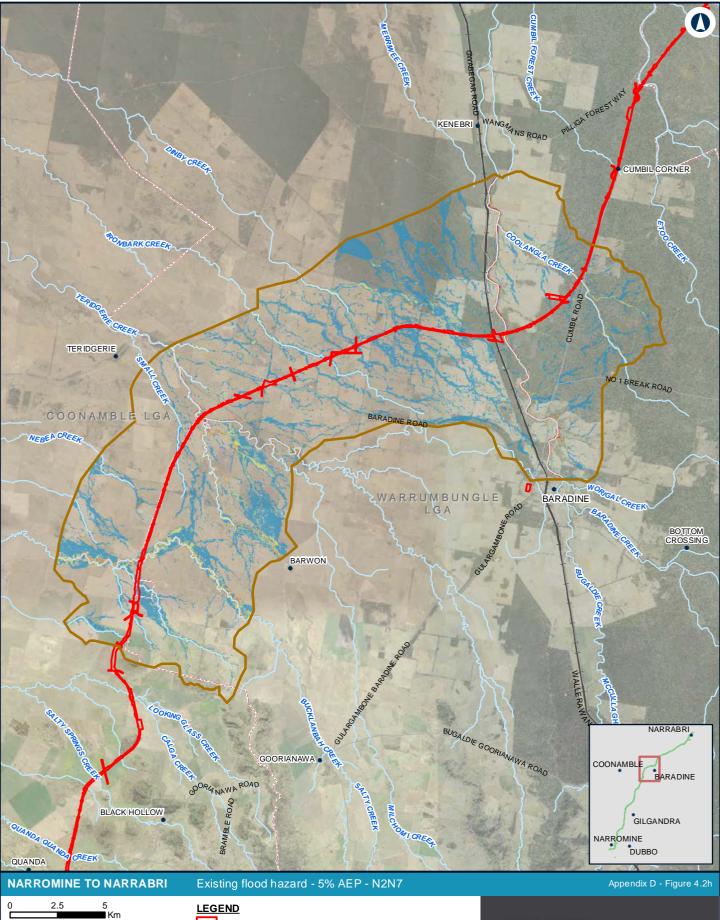
LEGEND

The proposal site	
Model boundary	
Generally safe for vehicles, people and buildings	
Unsafe for small vehicles	
Unsafe for vehicles, children and the elderly	
Unsafe for vehicles and people	
Unsafe for all people and all vehicles. Buildings require special engineering design and construction	
Unconditionally dangerous	



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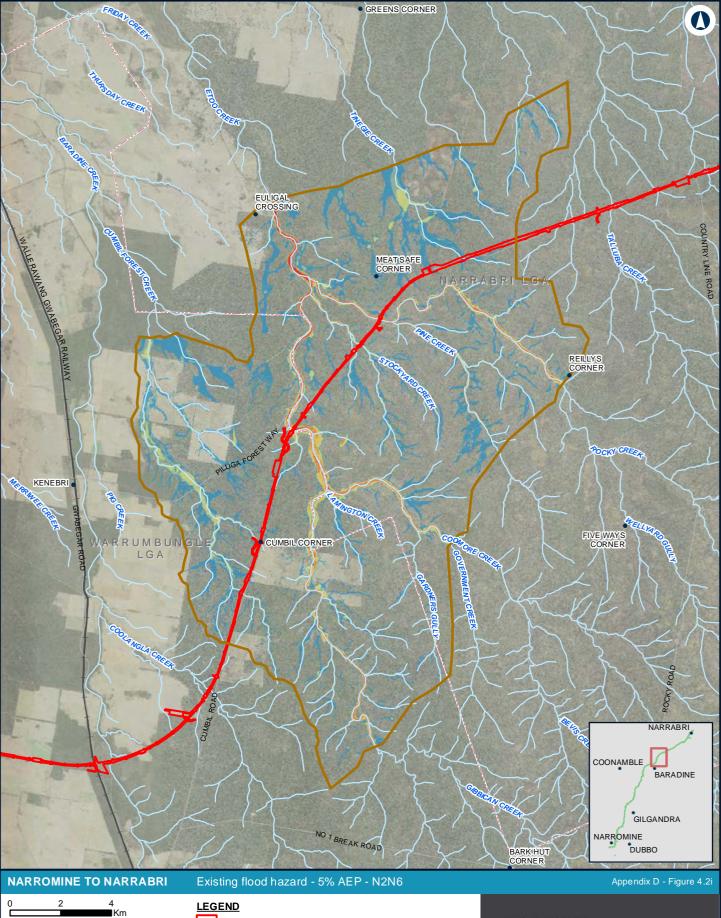


Coordinate System: GDA 1994 MGA Zone 55 ARTC makes no representation or warranty and assumes no duly of care or other responsibility to any party as to the completeness, accur acy or suitability of the information ontained in this GIS map. The GIS map has been prepared from material provided to ARTC 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.

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	The proposal site	
	Model boundary	
	Generally safe for vehicles, people and buildings	
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	Unsafe for vehicles, children and the elderly	
	Unsafe for vehicles and people	
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	Unconditionally dangerous	

Date: 10/01/2022 Paper: A4 Unconditionally dangerous Author: JacobsGHD Scale: 1:200,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD





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LEGEND	
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	Unsafe for all people and all vehicles. Buildings require special engineering design and construction
	Unconditionally dangerous

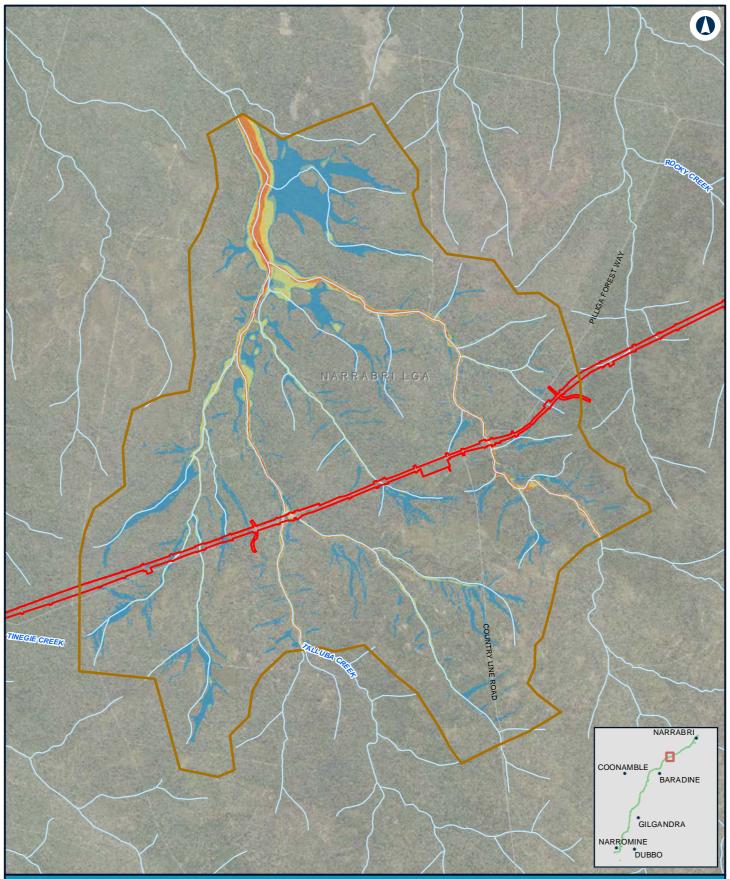
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 Author:
 JacobsGHD
 Scale:
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 Data Sources:
 Basemap layers:
 NSWSS; all other layers:
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Existing flood hazard - 5% AEP - N2N5

E Km Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone 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.

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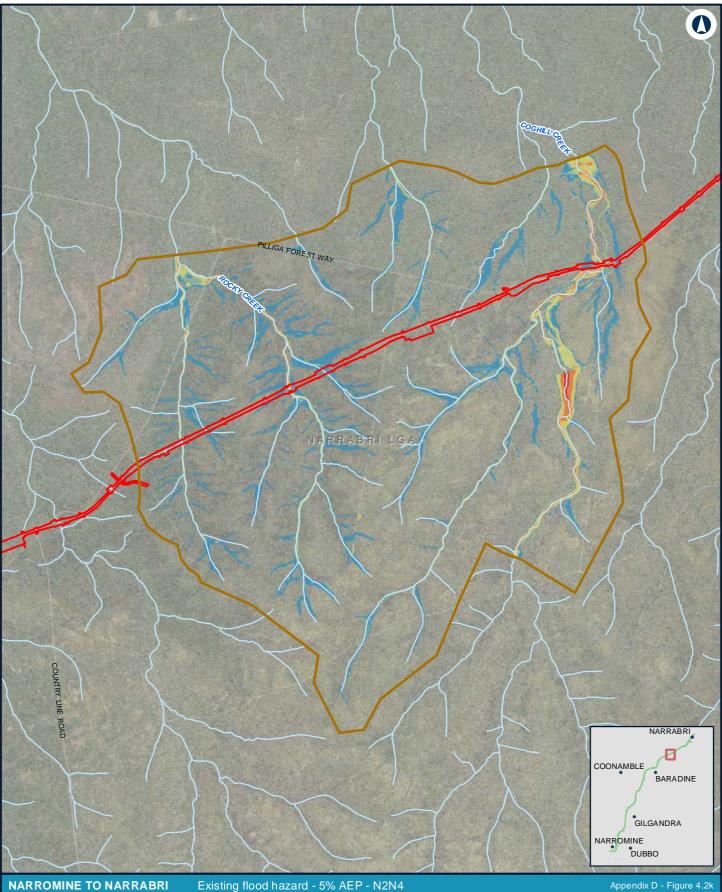
LEGEND

The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction

Unconditionally dangerous

Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:70,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD





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Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA 20ne 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.

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The proposal site	
Model boundary	
Generally safe for vehicles, people and buildings	
Unsafe for small vehicles	
Unsafe for vehicles, children and the elderly	
Unsafe for vehicles and people	
Unsafe for all people and all vehicles. Buildings require special	
engineering design and construction	
Unconditionally dangerous	

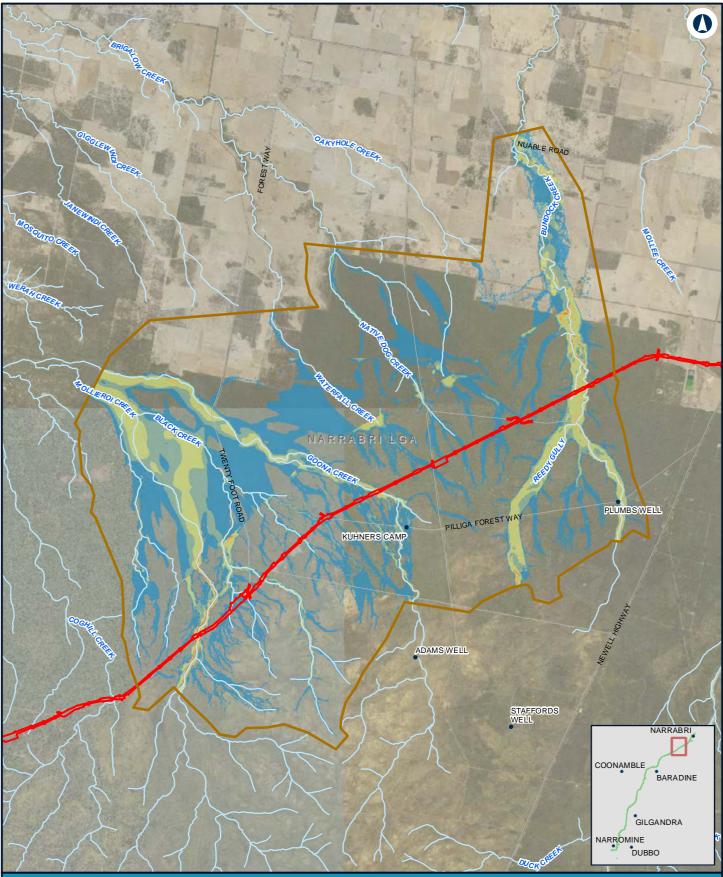


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 Author:
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 Scale:
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 JacobsGHD

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Existing flood hazard - 5% AEP - N2N23

0 1.5 Km E Coordinate System: GDA 1994 MGA Zone 55

Coordinate System: GDA 1994 MIGA 20ne ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.

Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:140,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

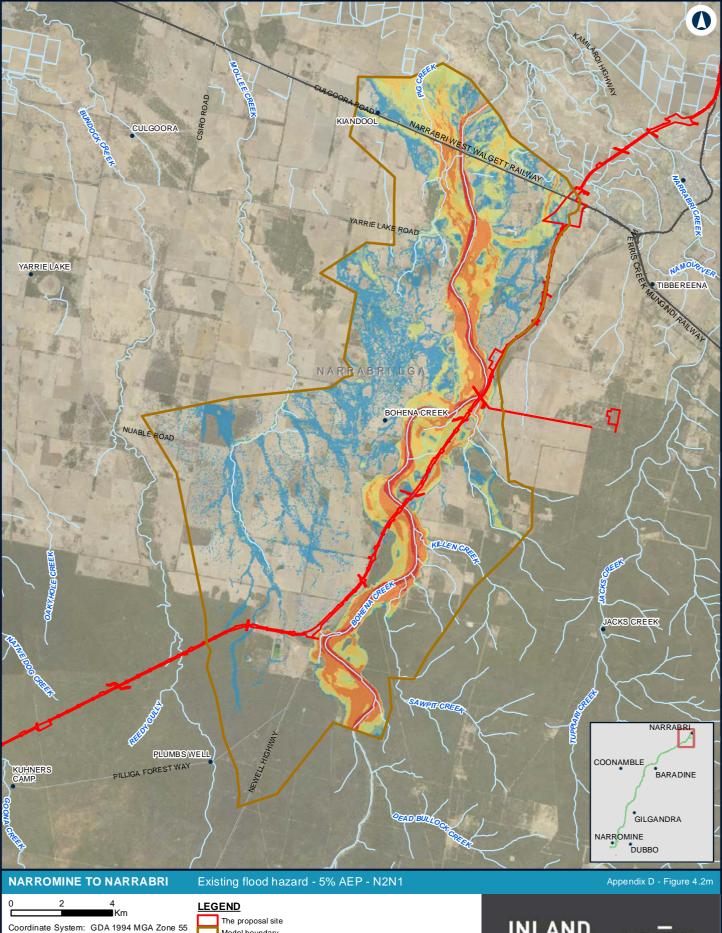
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	The proposal site
	Model boundary
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	Unsafe for small vehicles
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	Unsafe for vehicles and people
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	Unconditionally dangerous



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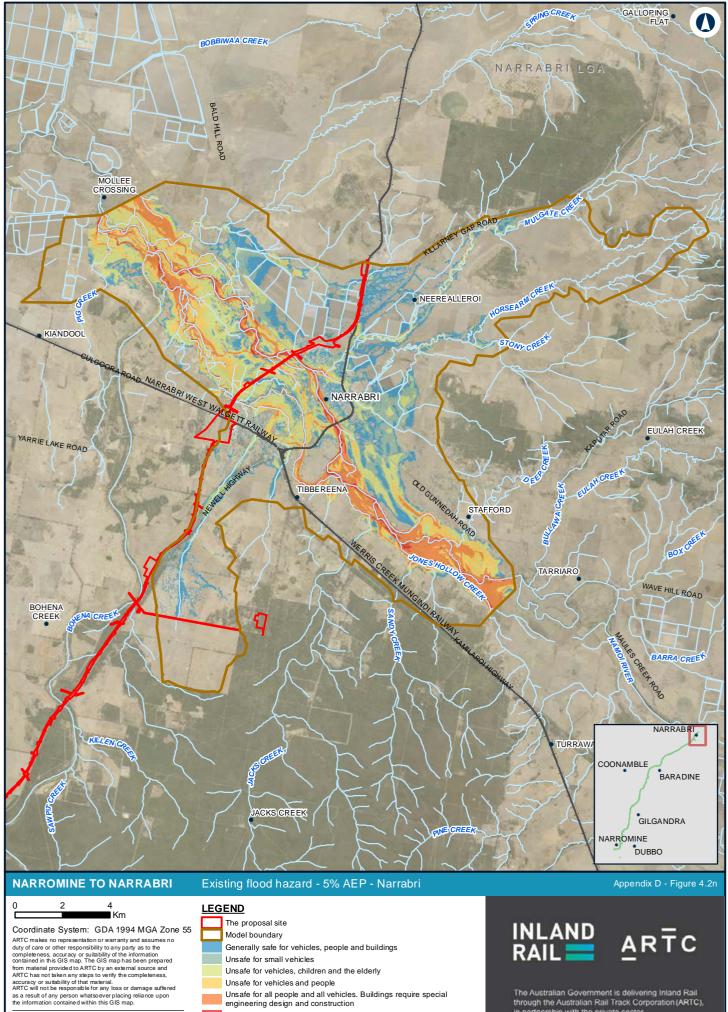
Coordinate System: GDA 1994 MIGA Zone a ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC 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.

LEGEND		
	The proposal site	
	Model boundary	
	Generally safe for vehicles, people and buildings	
	Unsafe for small vehicles	
	Unsafe for vehicles, children and the elderly	
	Unsafe for vehicles and people	
	Unsafe for all people and all vehicles. Buildings require special engineering design and construction	
	Unconditionally dangerous	



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

Date: 10/01/2022 Paper: A4 Unconditionally Author: JacobsGHD Scale: 1:150,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



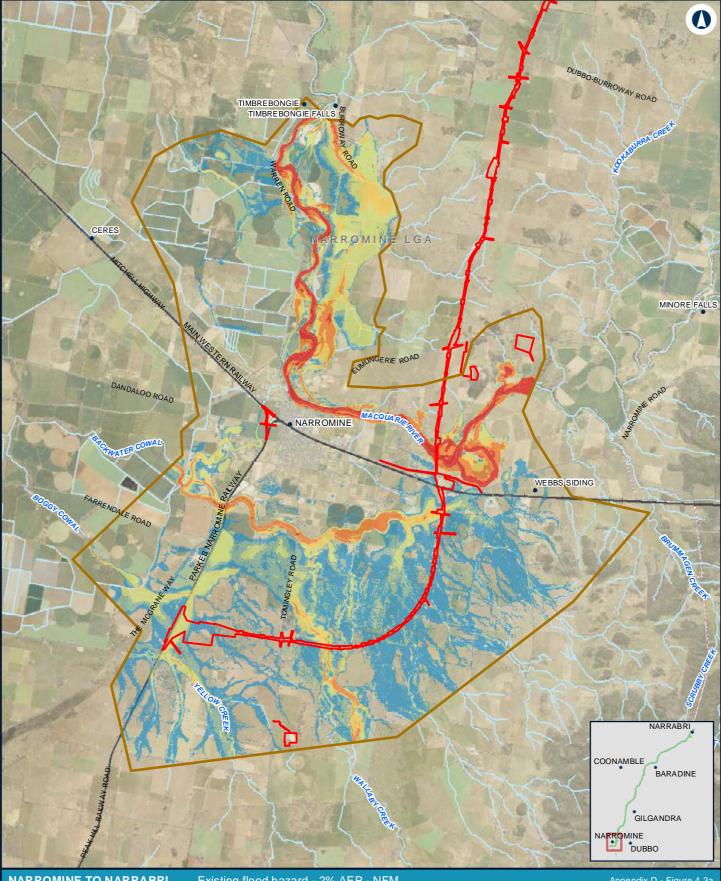
The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

Paper: A4 Scale: 1:160,000 Author: JacobsGHD Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Date: 10/01/2022

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engineering design and construction Unconditionally dangerous



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Existing flood hazard - 2% AEP - NFM

Km C Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.

Date: 10/01/2022 Paper: A4 engineering Author: JacobsGHD Scale: 1:140,000 Uncondition Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Model boundary Flood hazard Generally safe for vehicles, people and buildings Unsafe for small vehicles

Unsafe for vehicles, children and the elderly

Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction

Unconditionally dangerous

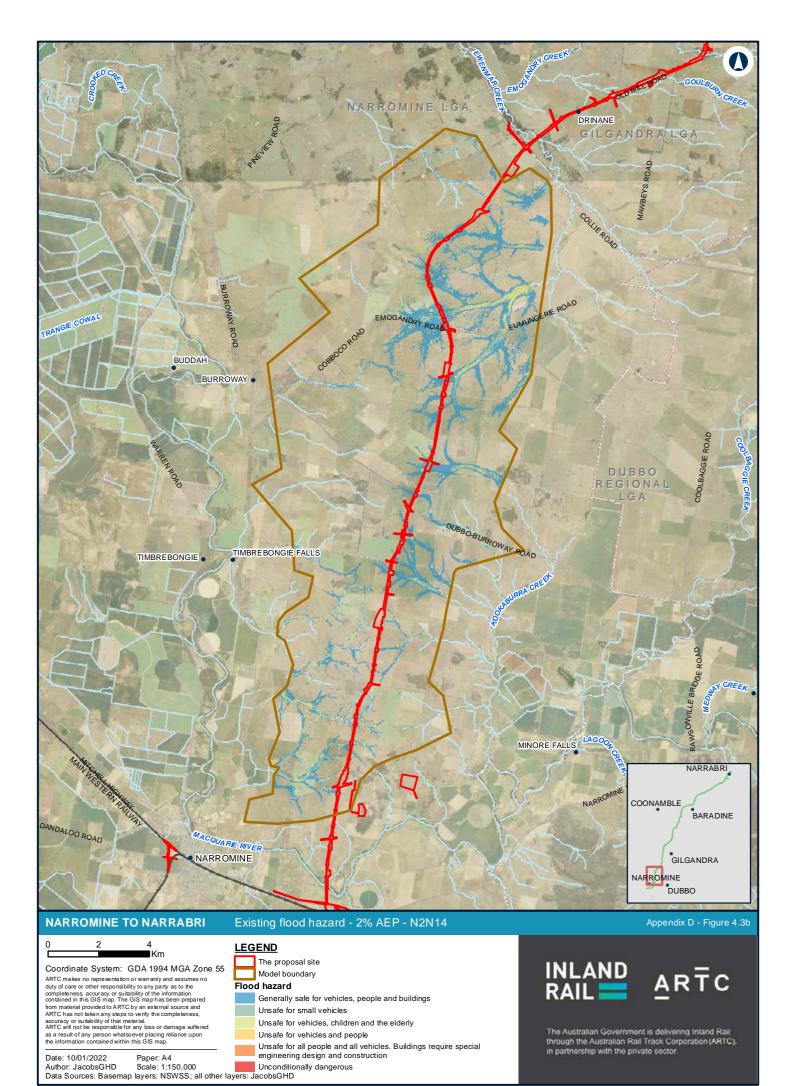
The proposal site

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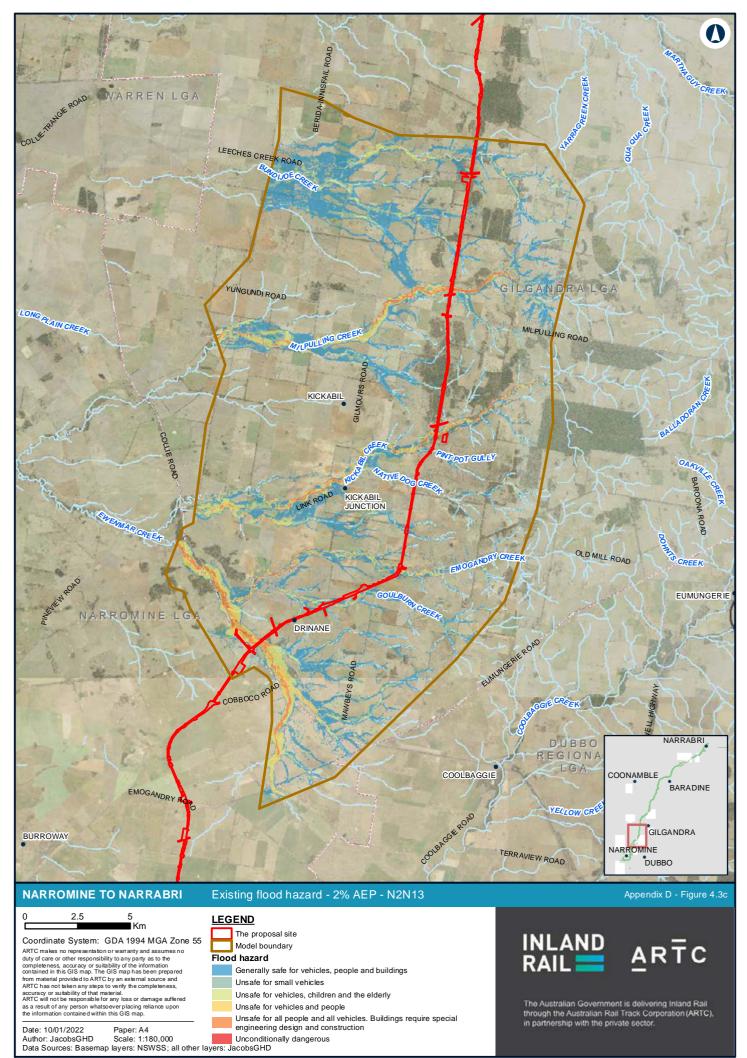


The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

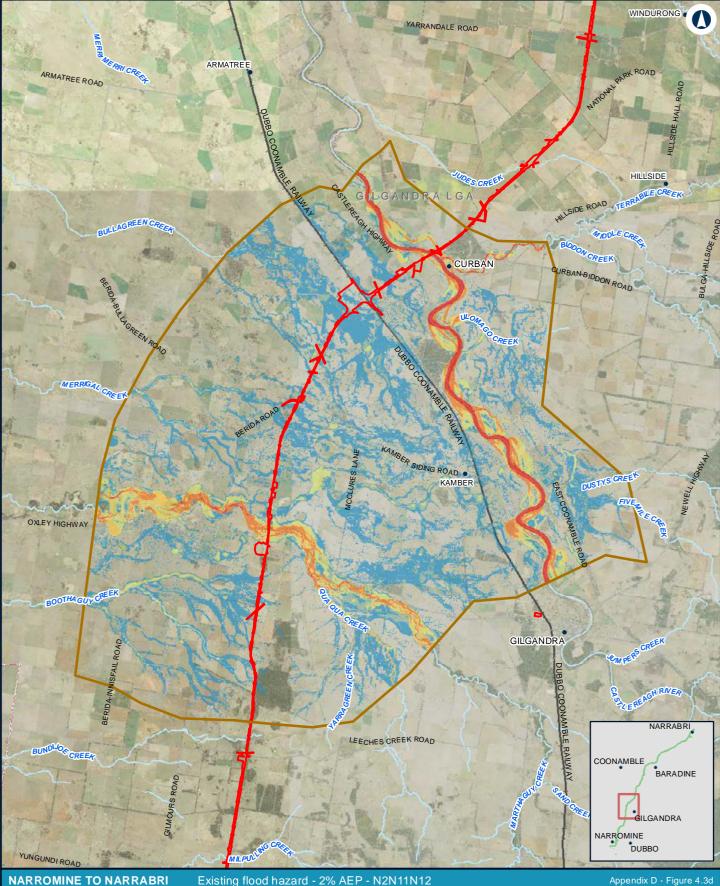
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Km Coordinate System: GDA 1994 MGA Zone 55

2.5

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Coordinate System: GDA 1994 MIGA Zone 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.

Paper: A4 Scale: 1:200,000 Date: 10/01/2022 Author: JacobsGHD Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

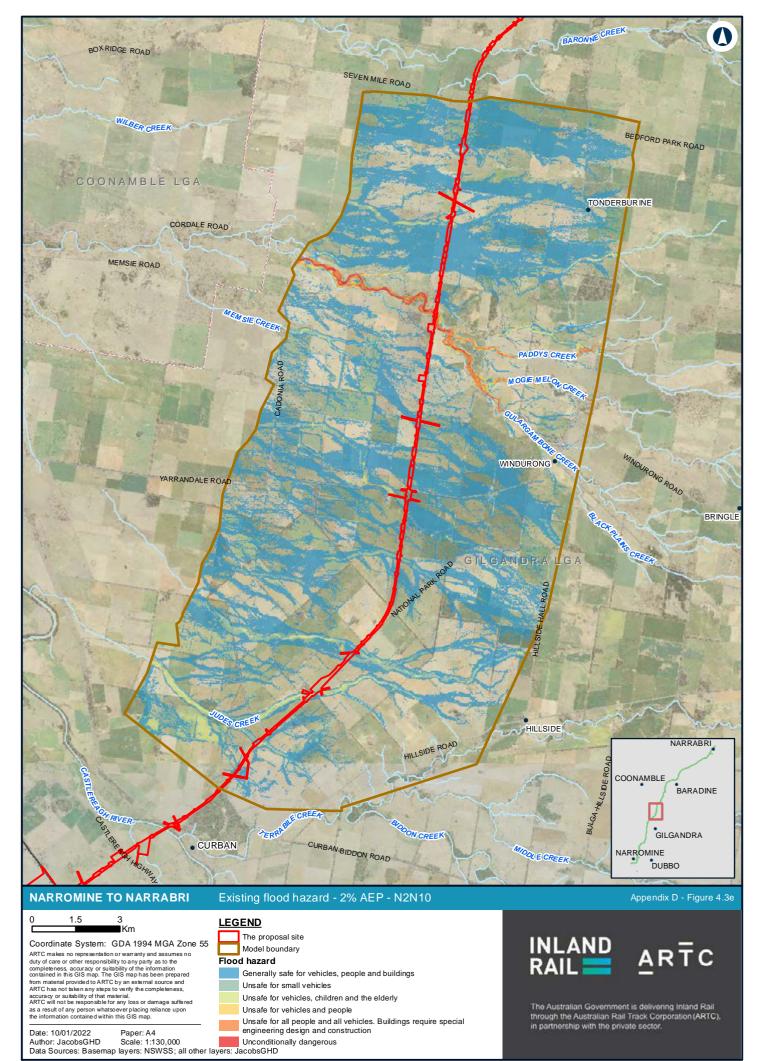
Existing flood hazard - 2% AEP - N2N11N12

LEGEND The proposal site Model boundary Flood hazard Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction Unconditionally dangerous

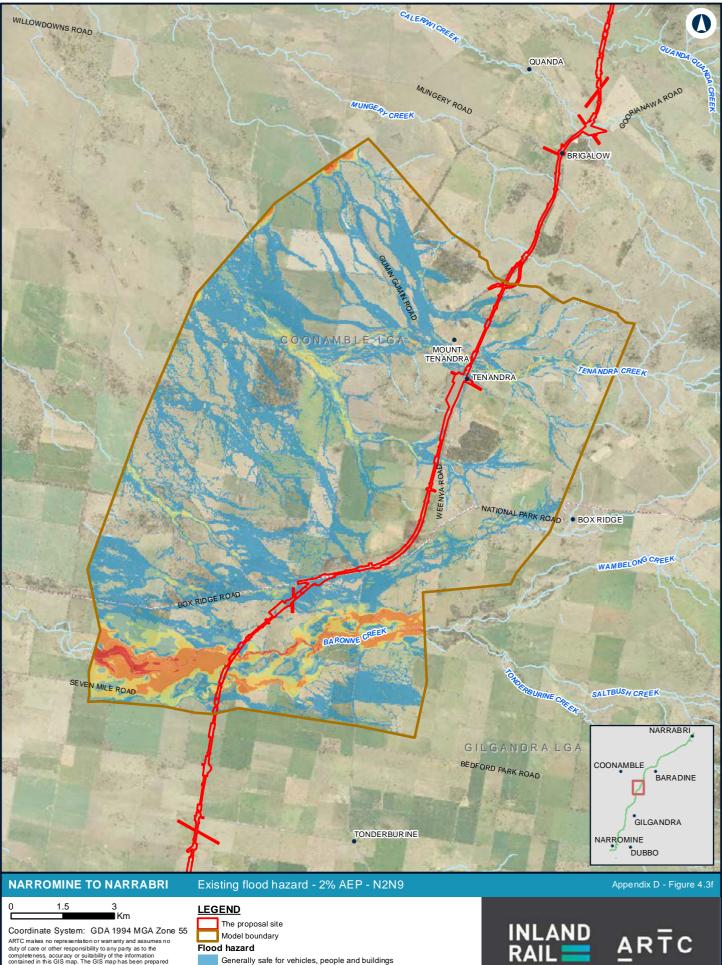


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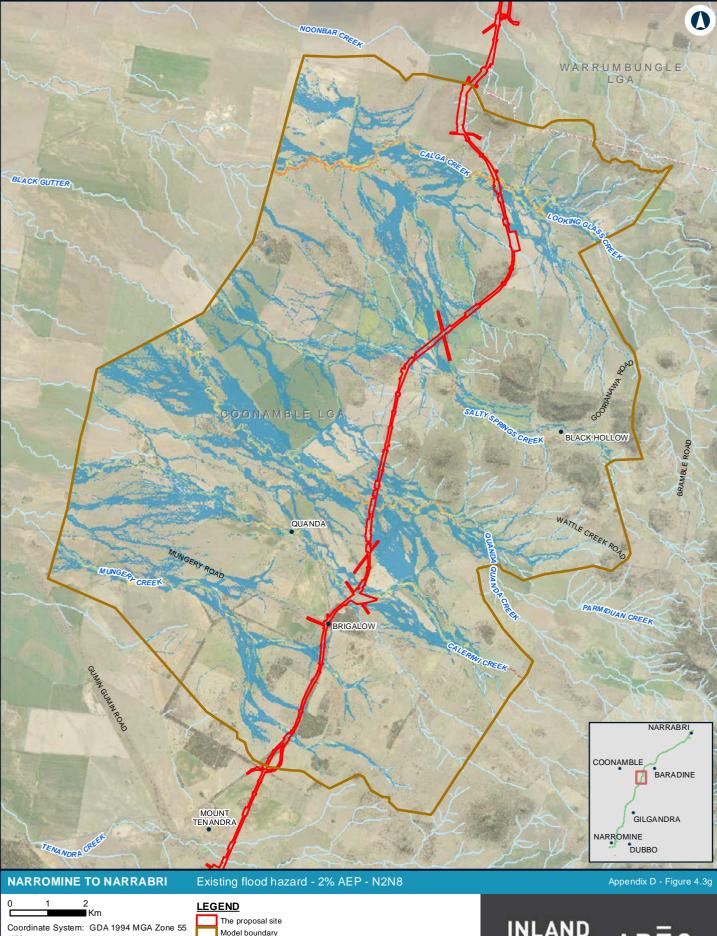
Date: 10/01/2022 Paper: A4 engineerin Author: JacobsGHD Scale: 1:110,000 Unconditio Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND		
	The proposal site	
	Model boundary	
Flood hazard		
	Generally safe for vehicles, people and buildings	
	Unsafe for small vehicles	
	Unsafe for vehicles, children and the elderly	
	Unsafe for vehicles and people	
	Unsafe for all people and all vehicles. Buildings require	
	engineering design and construction	
	Unconditionally dangerous	

special

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Coordinate System: GDA 1994 MIGA Zone 3 ARTC makes on representation or warranty vand assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.

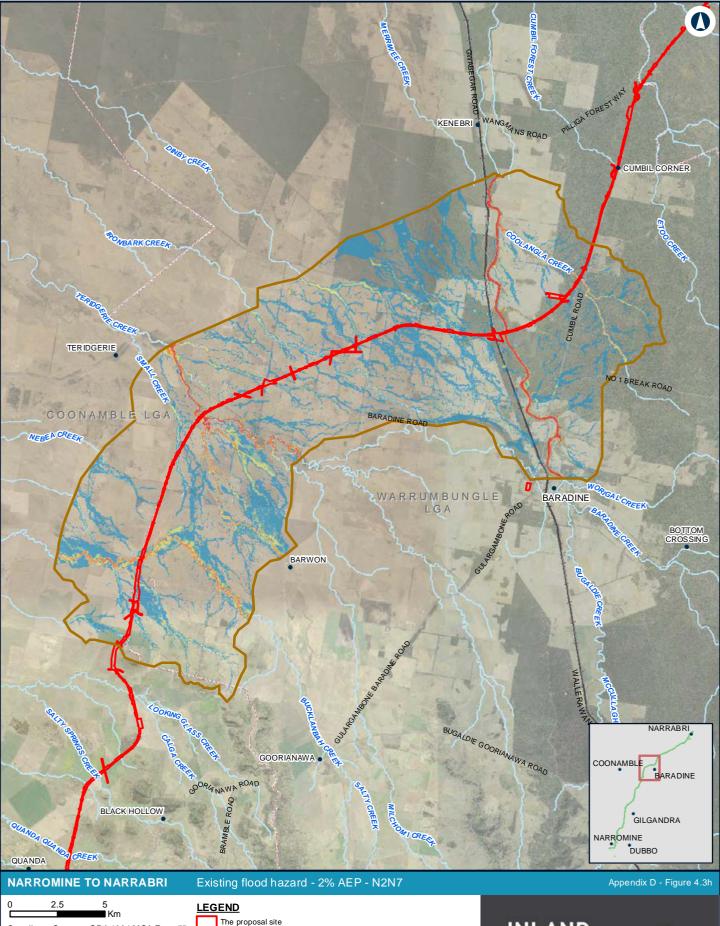
Date: 10/01/2022 Paper: A4 engineering Author: JacobsGHD Scale: 1:100,000 Uncondition Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND		
	The proposal site	
	Model boundary	
Flood hazard		
	Generally safe for vehicles, people and buildings	
	Unsafe for small vehicles	
	Unsafe for vehicles, children and the elderly	
	Unsafe for vehicles and people	
	Unsafe for all people and all vehicles. Buildings require special	
	engineering design and construction	
	Unconditionally dangerous	



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Coordinate System: GDA 1994 MGA Zone 55 ARTC makes no representation or warranty and assumes no duly of care or other responsibility to any party as to the completeness, accur acy 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 whatsover placing reliance upon the information contained within this GIS map.

Date: 10/01/2022 Paper: A4 Author: JacobsGHD Scale: 1:200,000 Uncondition Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Generally safe for vehicles, people and buildings Unsafe for small vehicles

Model boundary Flood hazard

Unsafe for vehicles, children and the elderly

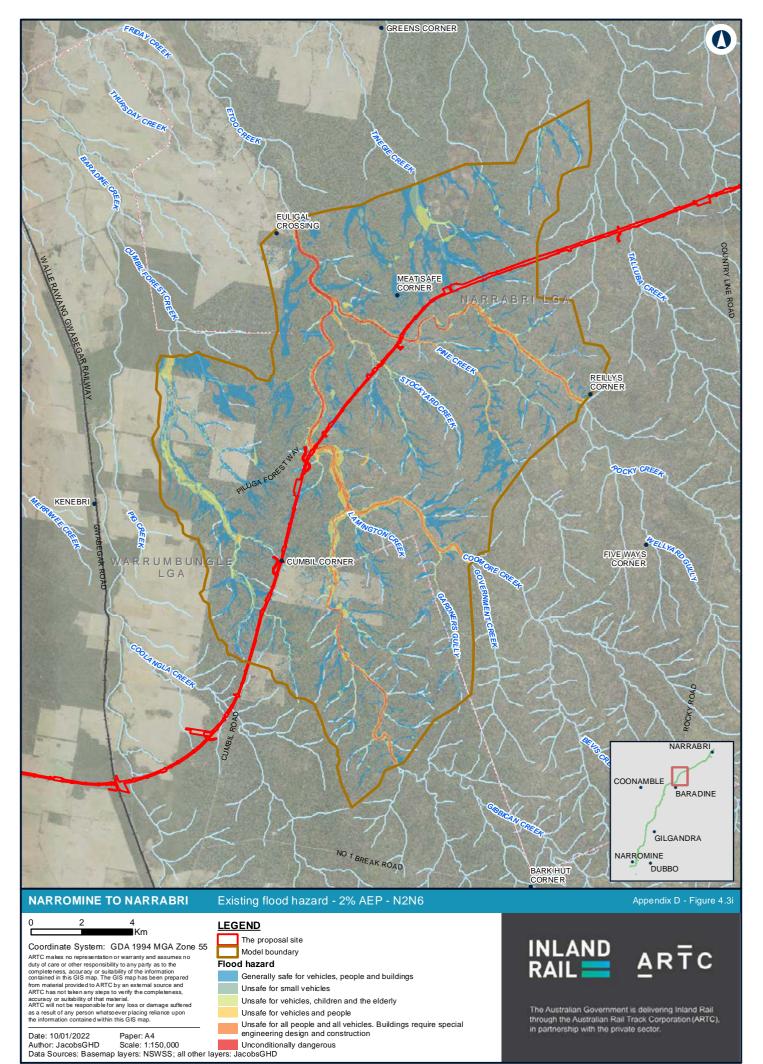
Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction Unconditionally dangerous

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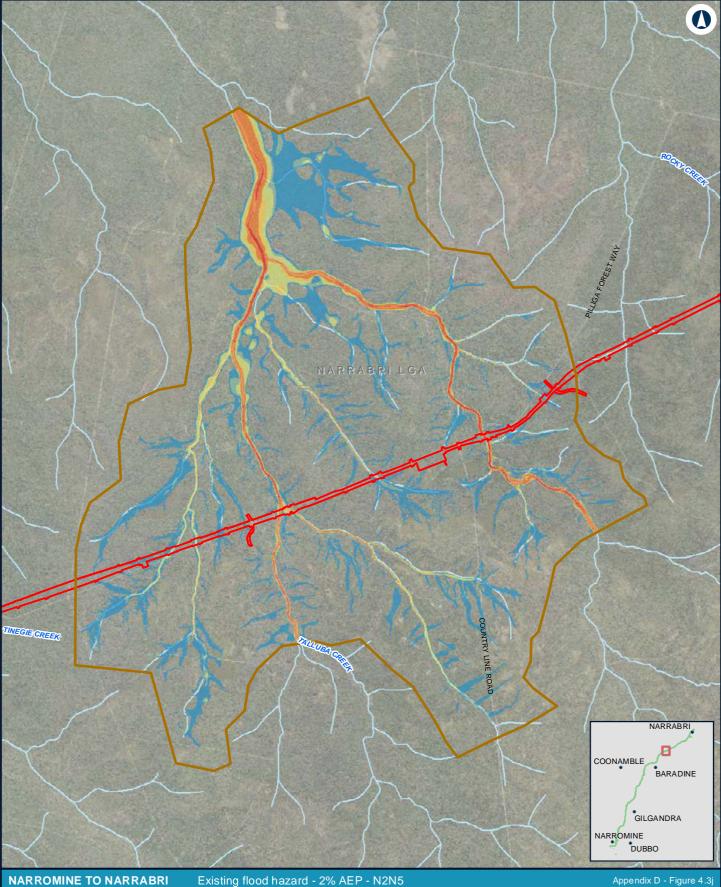


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Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map. Date: 10/01/2022 Paper: A4 engineering Author: JacobsGHD Scale: 1:70,000 Uncondition Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Flood hazard Generally safe for vehicles, people and buildings

Unsafe for small vehicles Unsafe for vehicles, children and the elderly

Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction

The proposal site

Model boundary

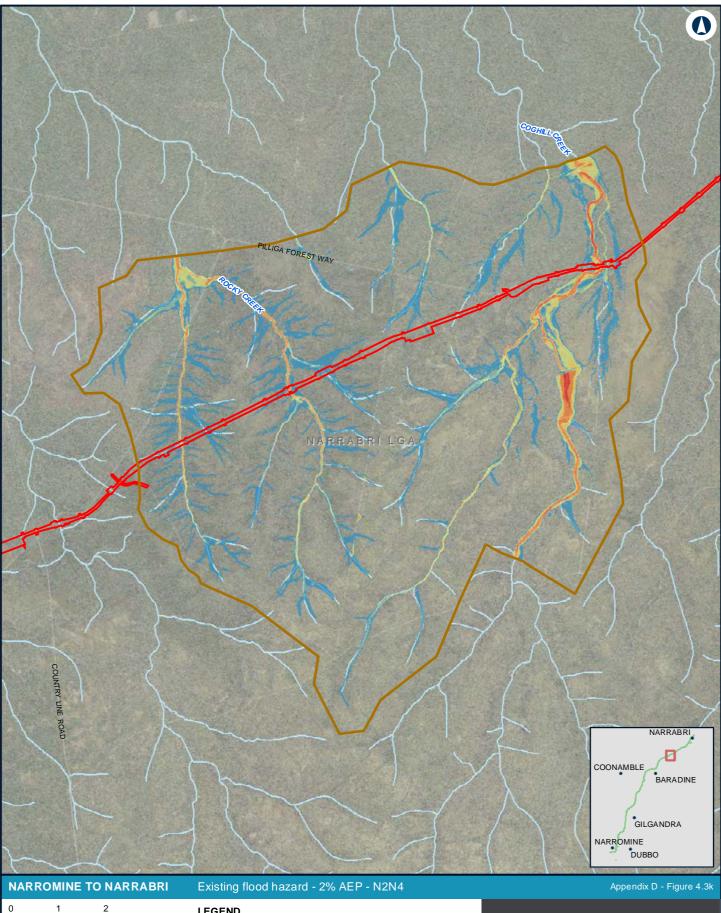
Unconditionally dangerous

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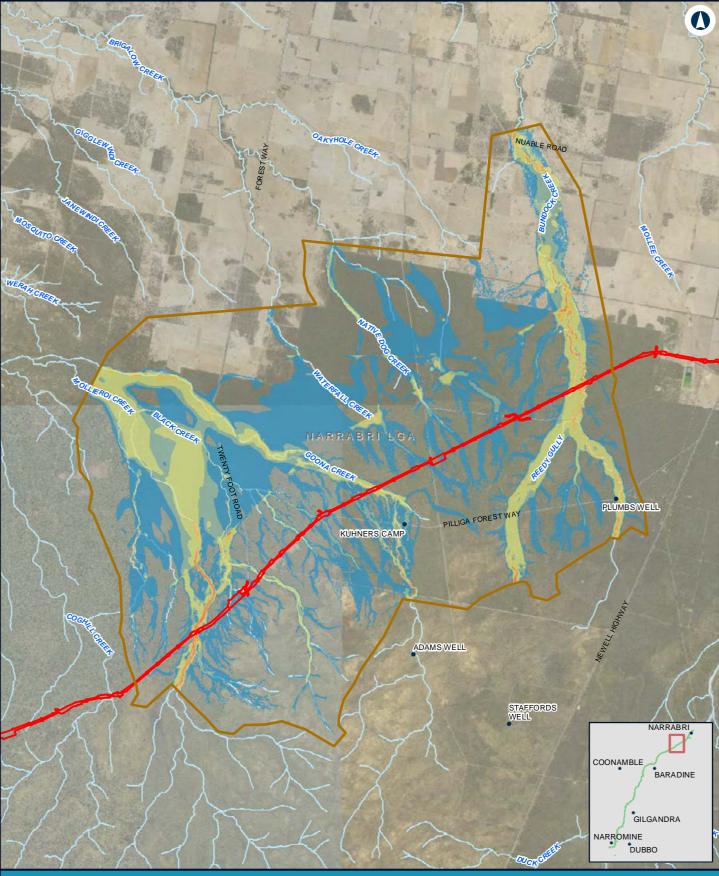
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LEGEND	
	The proposal site
	Model boundary
Flood hazard	
	Generally safe for vehicles, people and buildings
	Unsafe for small vehicles
	Unsafe for vehicles, children and the elderly
	Unsafe for vehicles and people
	Unsafe for all people and all vehicles. Buildings require special
	engineering design and construction
	Unconditionally dangerous



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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 ontained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map. Date: 10/01/2022 Paper: A4

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    Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD
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Existing flood hazard - 2% AEP - N2N23

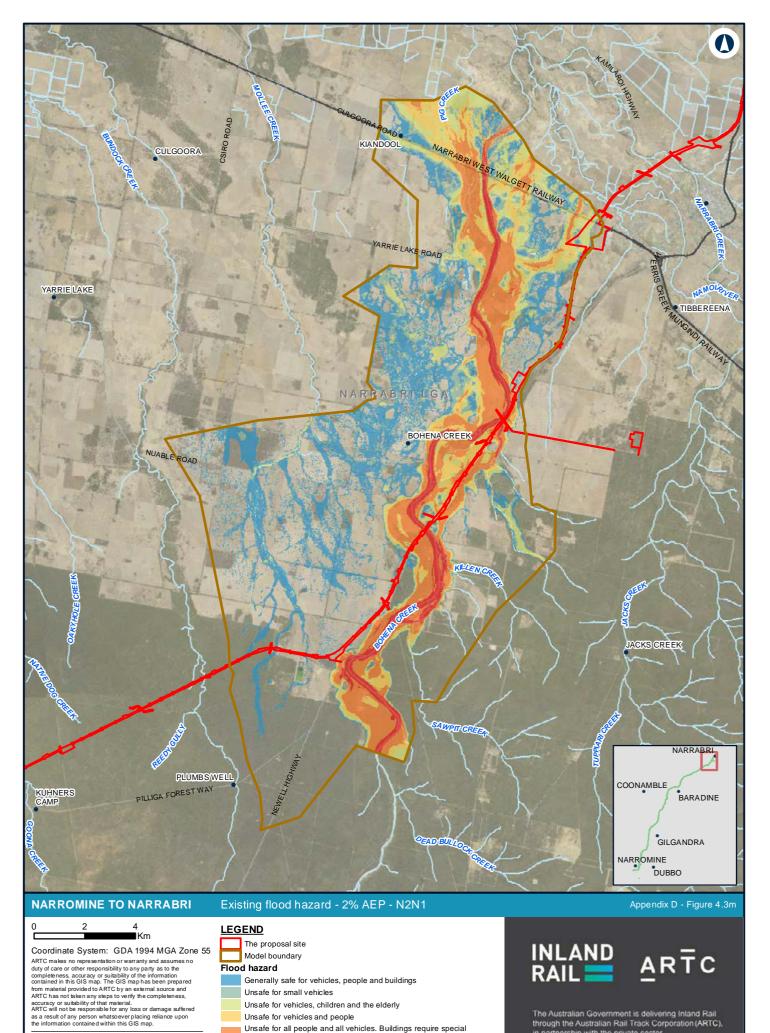
LEGEND	
	The proposal site
	Model boundary
Flood hazard	
	Generally safe for vehicles, people and buildings
	Unsafe for small vehicles
	Unsafe for vehicles, children and the elderly
	Unsafe for vehicles and people
	Unsafe for all people and all vehicles. Buildings require special engineering design and construction
	Unconditionally dangerous

Appendix D - Figure 4.3I



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

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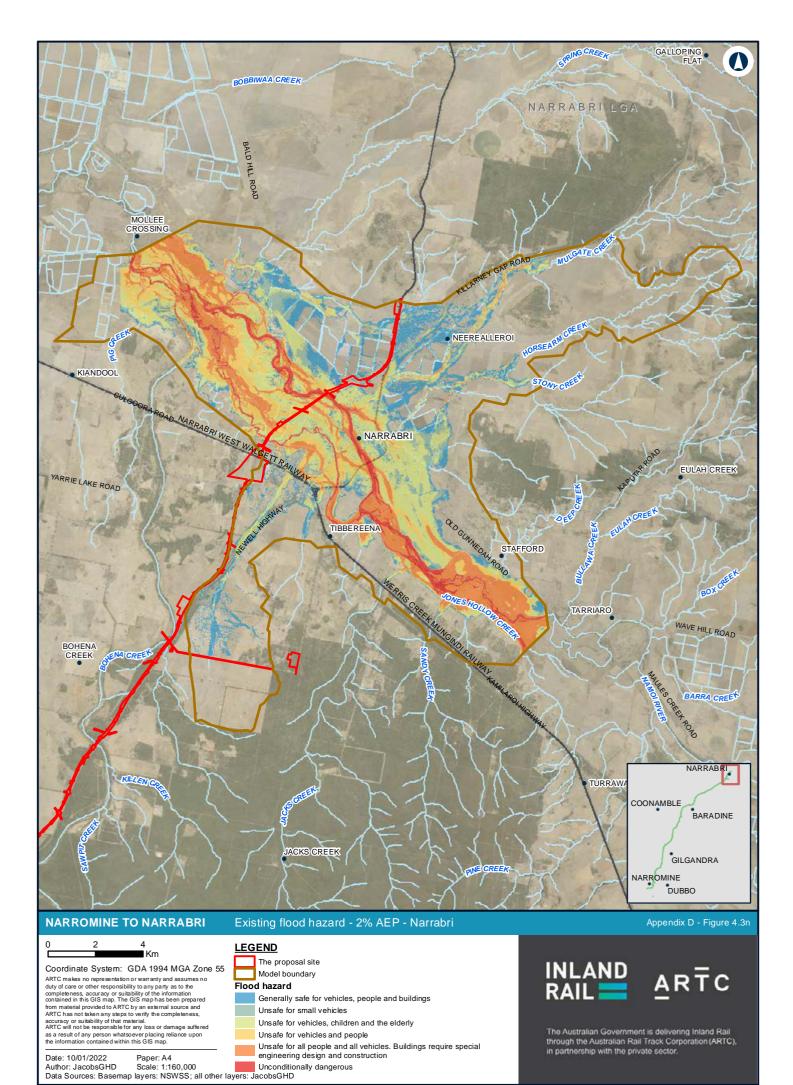
The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

Date: 10/01/2022 Paper: A4 engineering Author: JacobsGHD Scale: 1:150,000 Uncondition Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD \ghdnel\ghd\AU\\Newcastle\Projects\22\19593\GIS\GIS_2500_N2N_v2\Maps\Deliverables_SPIR\EIS\Flooding_Hydrology\Appendices\2500_EISFWPAPP025_FloodBehaviourHazard_2pcExis1_revB.mxd

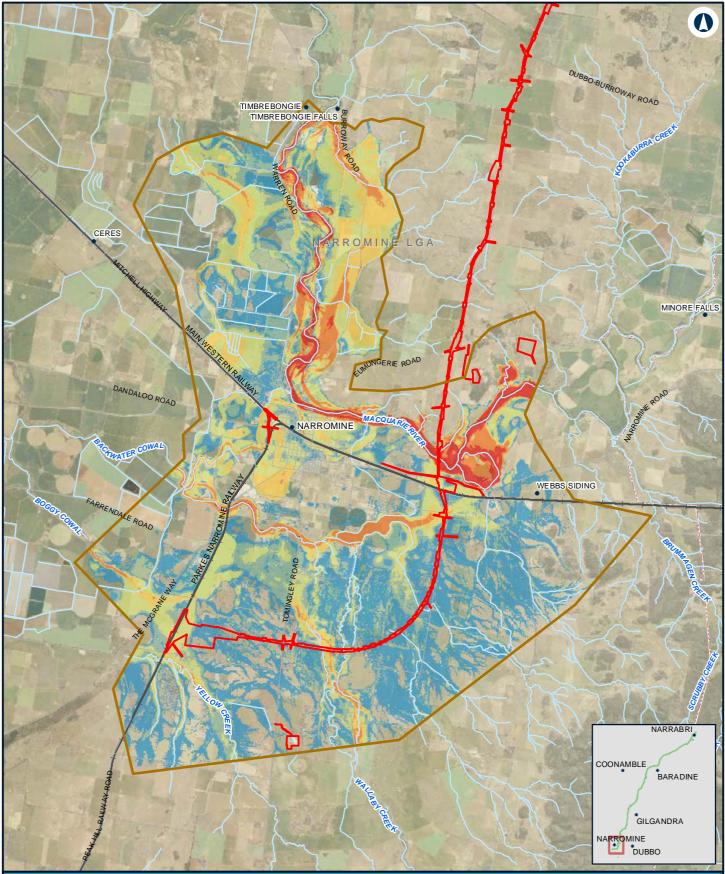
Unsafe for all people and all vehicles. Buildings require special engineering design and construction

Unsafe for vehicles and people

Unconditionally dangerous



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Existing flood hazard - 1% AEP - NFM

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Km Coordinate System: GDA 1994 MGA Zone 55 ARTC makes no representation or warranty and assumes no duly of care or other responsibility to any party as to the completeness, accur acy 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.

e 55 The proposal site Model boundary

LEGEND

- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special

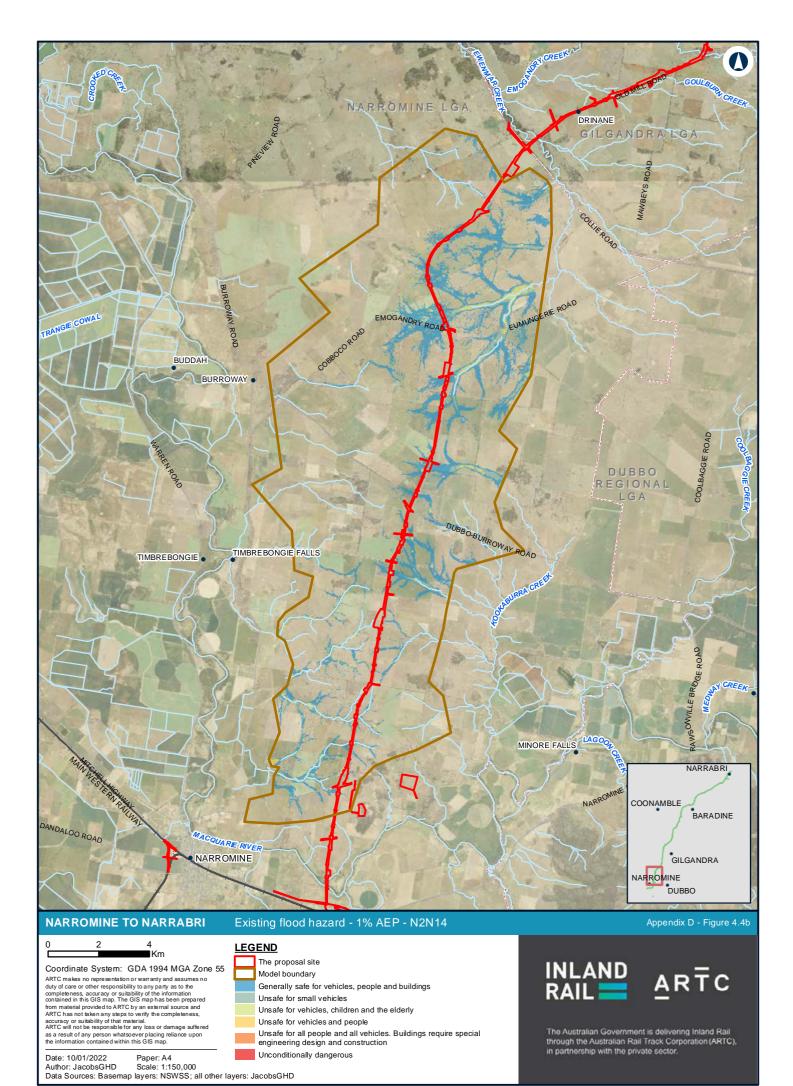
engineering design and construction Unconditionally dangerous

Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:140,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

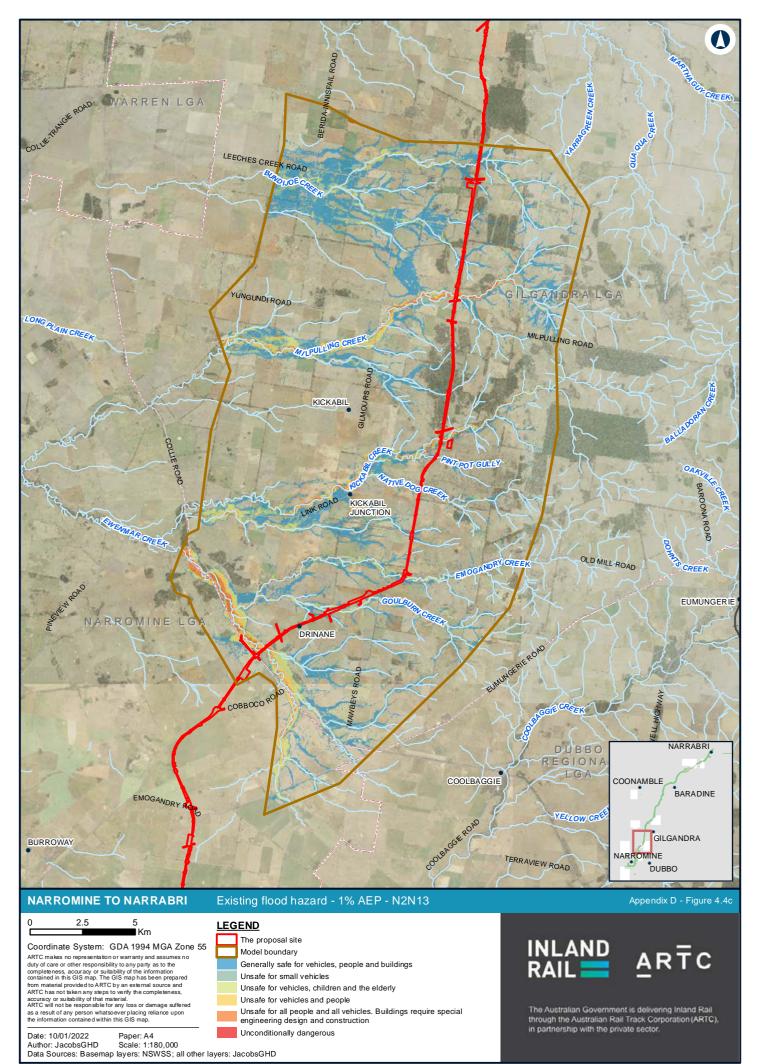
Appendix D - Figure 4.4a



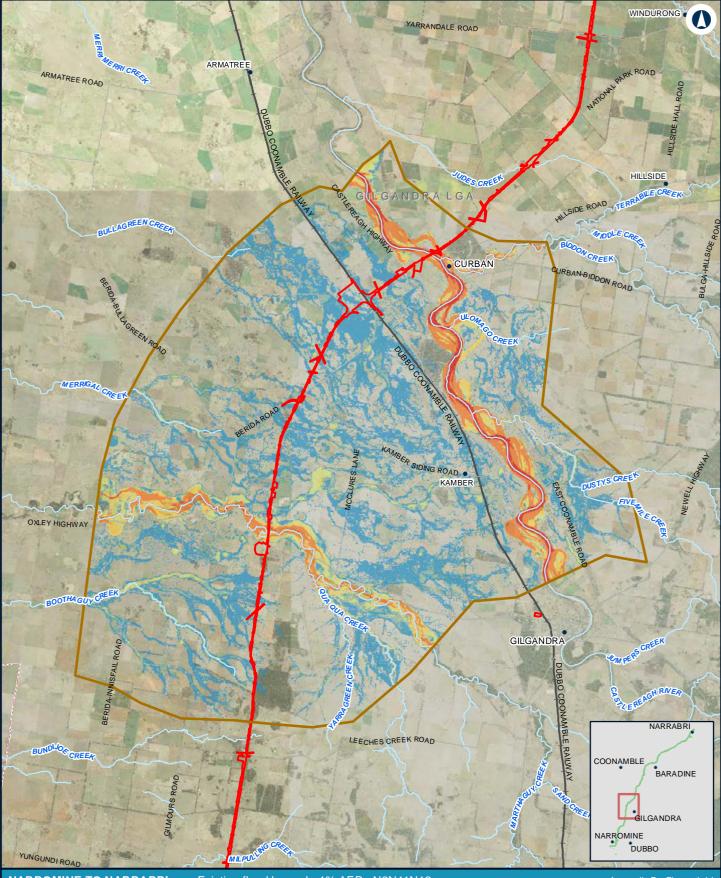
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Existing flood hazard - 1% AEP - N2N11N12

Appendix D - Figure 4.4d

RAIL ARTC

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Km Coordinate System: GDA 1994 MGA Zone 55 ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map. Date: 10/01/2022 Paper: A4 Author: JacobsGHD Scale: 1.200,000

55 The proposal site Model boundary

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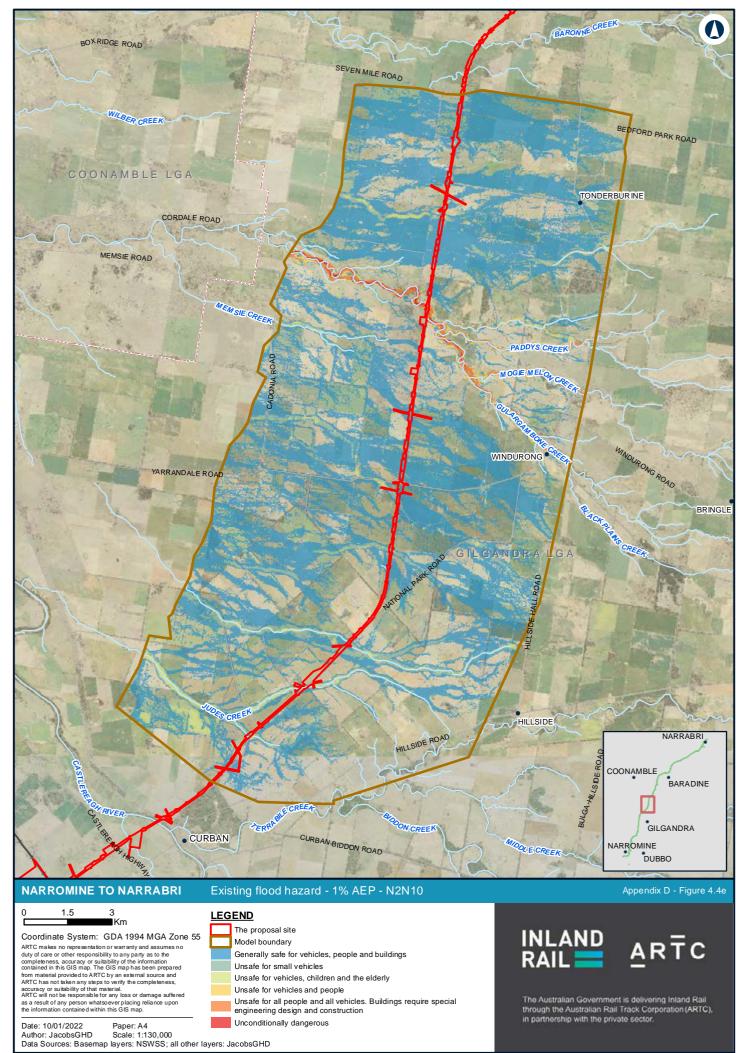
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special
- engineering design and construction
- Unconditionally dangerous

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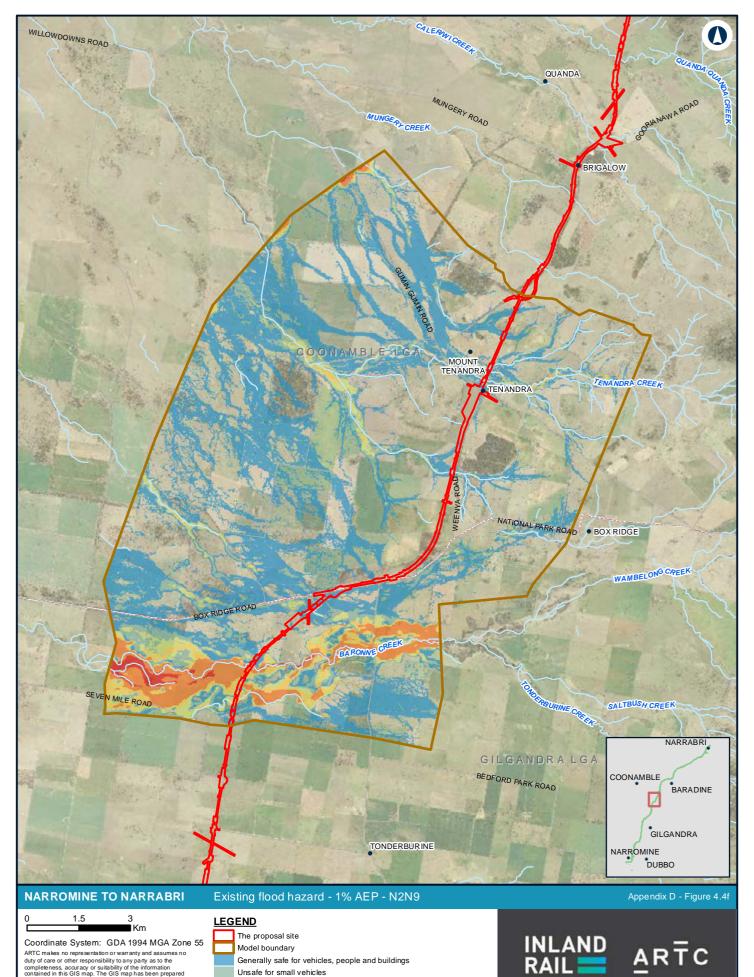
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 Data Sources:
 Basemap layers:
 NSWSS; all other layers:
 JacobsGHD

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Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA 20ne 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 ther 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. Paper: A4 Scale: 1:110,000 Date: 10/01/2022

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

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Generally safe for vehicles, people and buildings

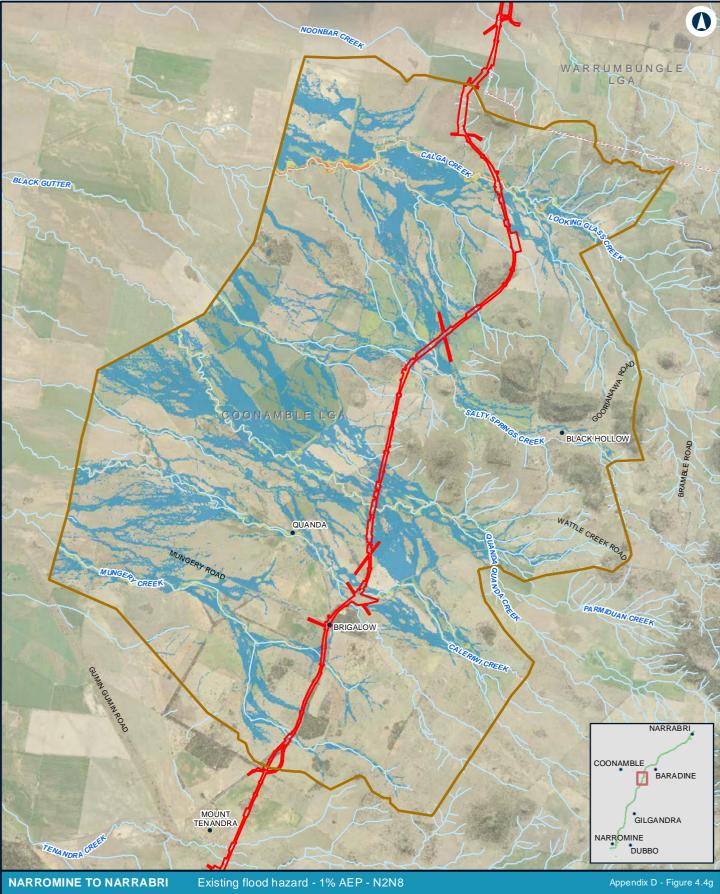
Unsafe for all people and all vehicles. Buildings require special

Unsafe for vehicles, children and the elderly Unsafe for vehicles and people

engineering design and construction Unconditionally dangerous

Model boundary

Unsafe for small vehicles



0 1 2 Km

 Coordinate System: GDA 1994 MGA Zone 55
 Model bou

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 Date: 10/01/2022
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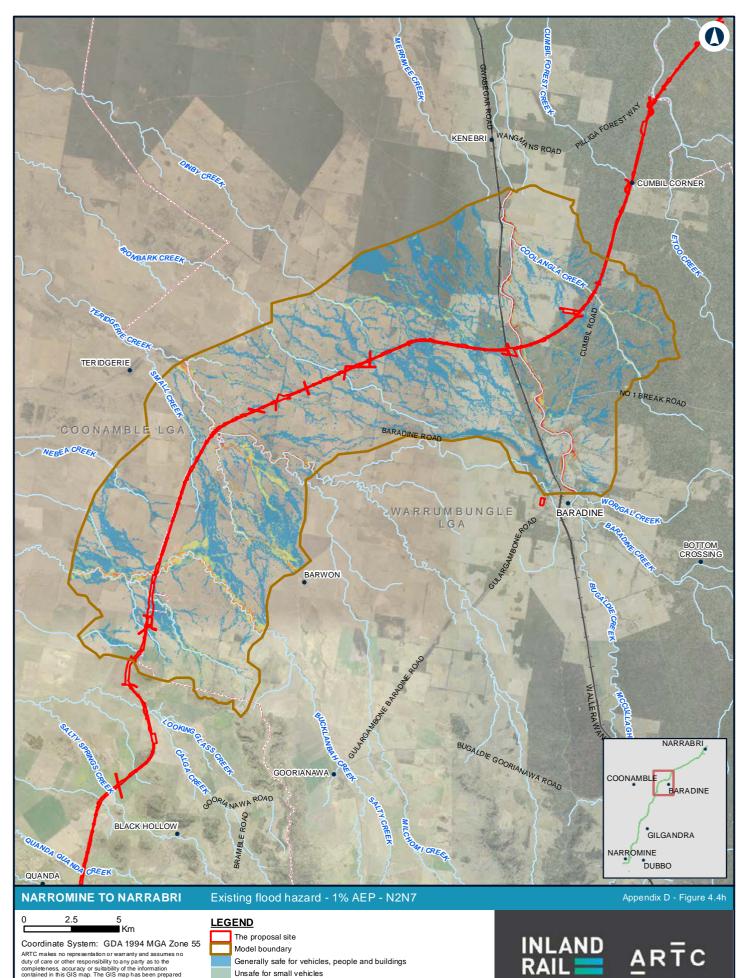
LEGEND

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	The proposal site
	Model boundary
	Generally safe for vehicles, people and buildings
	Unsafe for small vehicles
	Unsafe for vehicles, children and the elderly
	Unsafe for vehicles and people
	Unsafe for all people and all vehicles. Buildings require special engineering design and construction
	Unconditionally dangerous



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Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:200,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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Generally safe for vehicles, people and buildings

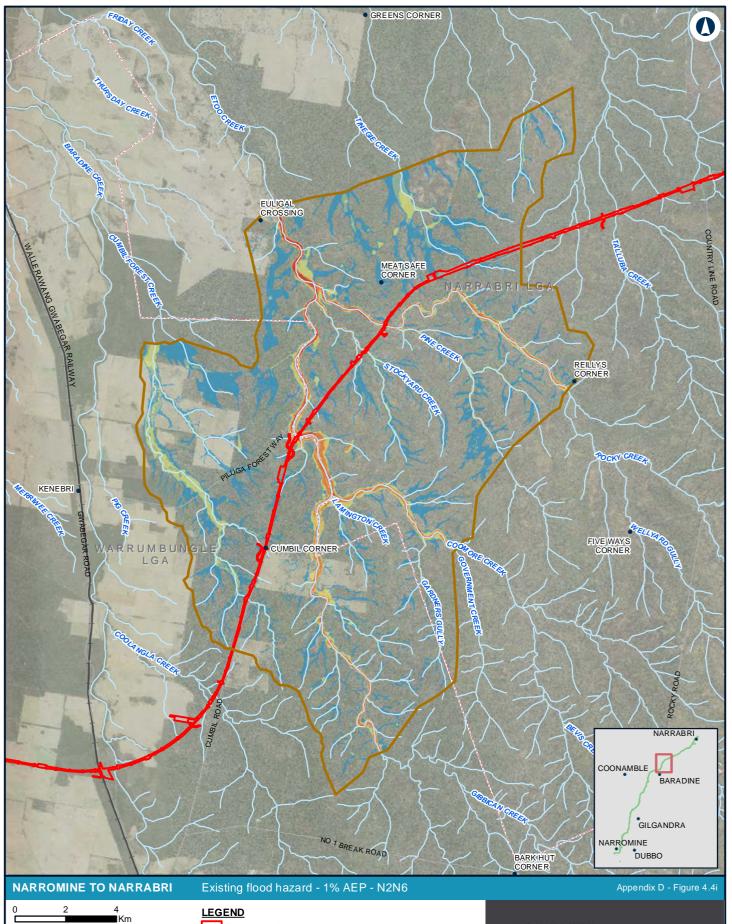
Unsafe for all people and all vehicles. Buildings require special

Unsafe for vehicles, children and the elderly Unsafe for vehicles and people

engineering design and construction

Unsafe for small vehicles

Unconditionally dangerous



Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone 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.

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The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special

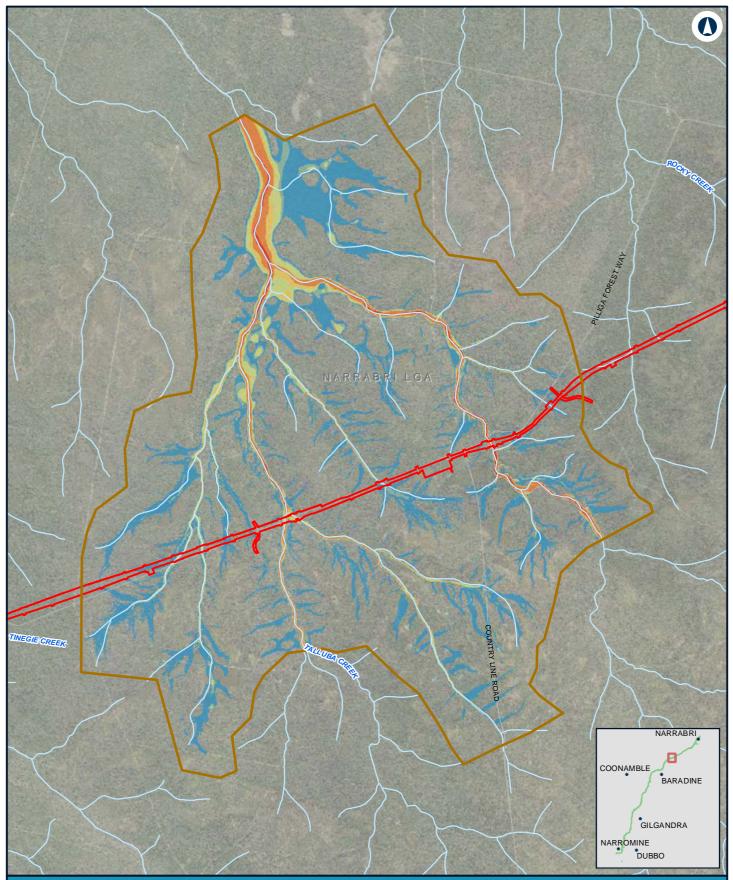
engineering design and construction

Unconditionally dangerous

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1 2 0 E Km

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Existing flood hazard - 1% AEP - N2N5

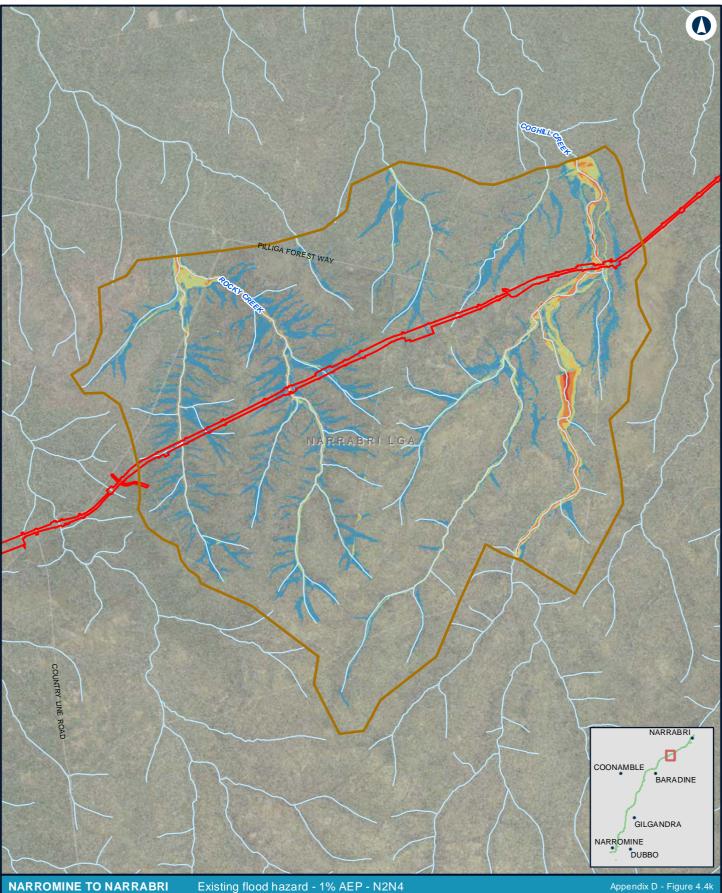
The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction

Unconditionally dangerous

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0 1 2 E Km

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	The proposal site	
	Model boundary	
	Generally safe for vehicles, people and buildings	
	Unsafe for small vehicles	
	Unsafe for vehicles, children and the elderly	

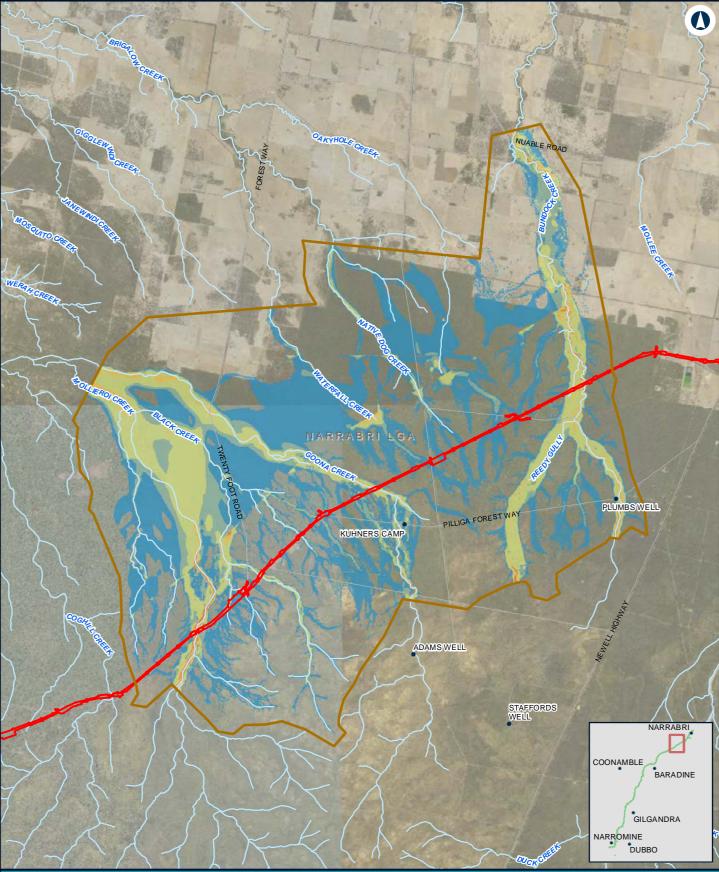
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special
- engineering design and construction

Unconditionally dangerous

Date: 10/01/2022 Paper: A4 Unconomo Author: JacobsGHD Scale: 1:80,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



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Existing flood hazard - 1% AEP - N2N23

Km E Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone 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.

The proposal site

LEGEND

- Model boundary Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special

engineering design and construction

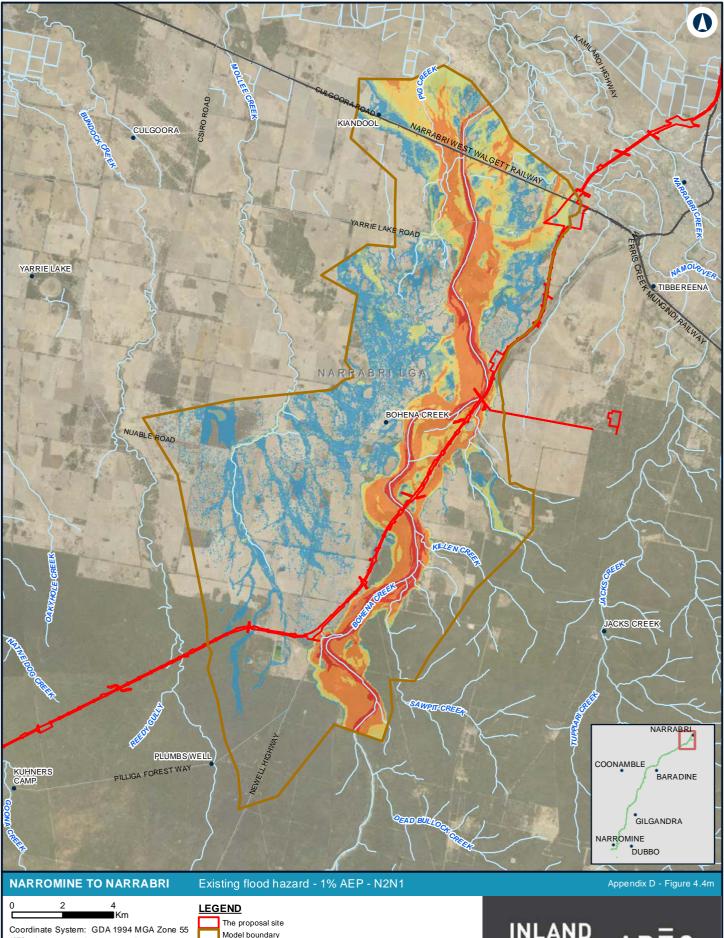
Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:140,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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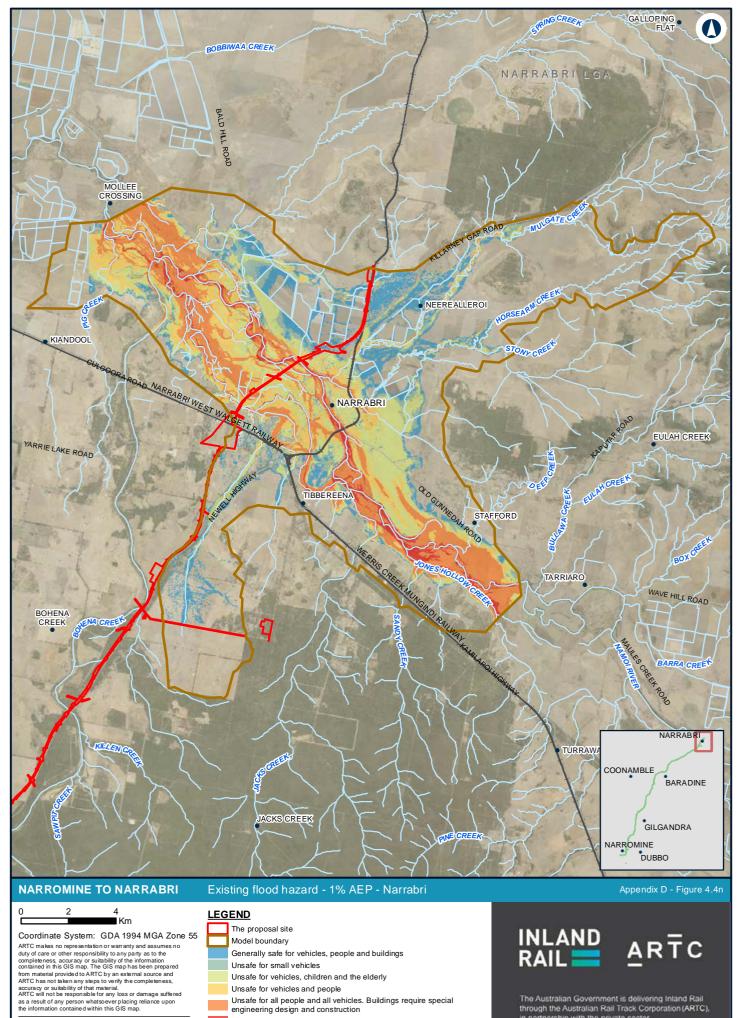
Generally safe for vehicles, people and buildings

Unsafe for all people and all vehicles. Buildings require special

Unsafe for vehicles, children and the elderly Unsafe for vehicles and people

engineering design and construction

Unsafe for small vehicles



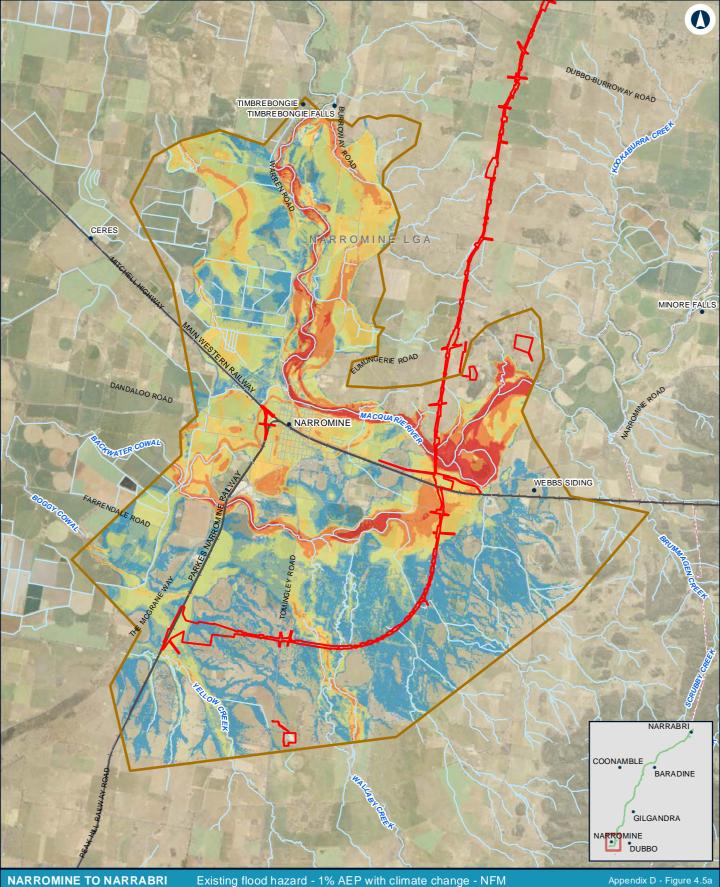
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Paper: A4 Scale: 1:160,000 Author: JacobsGHD Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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engineering design and construction Unconditionally dangerous



1.5 3 0 Km

Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone 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.

Unsafe for small vehicles Unsafe for vehicles, children and the elderly

The proposal site

Model boundary

LEGEND

Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:140,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Unsafe for vehicles and people

Generally safe for vehicles, people and buildings

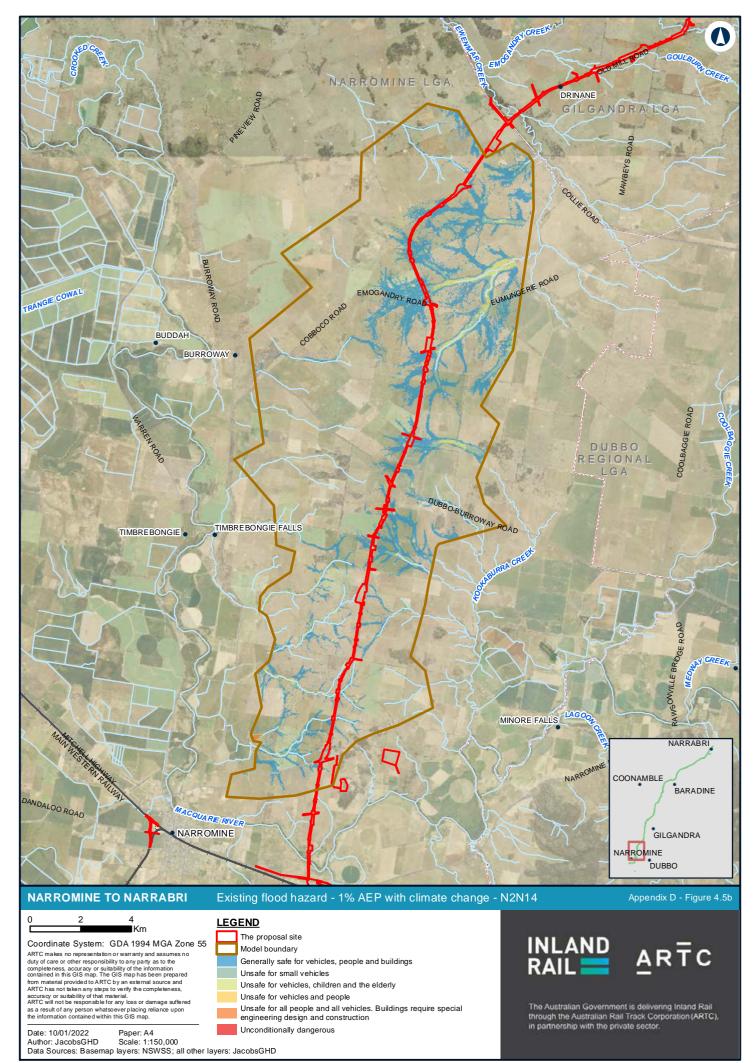
Unsafe for all people and all vehicles. Buildings require special engineering design and construction

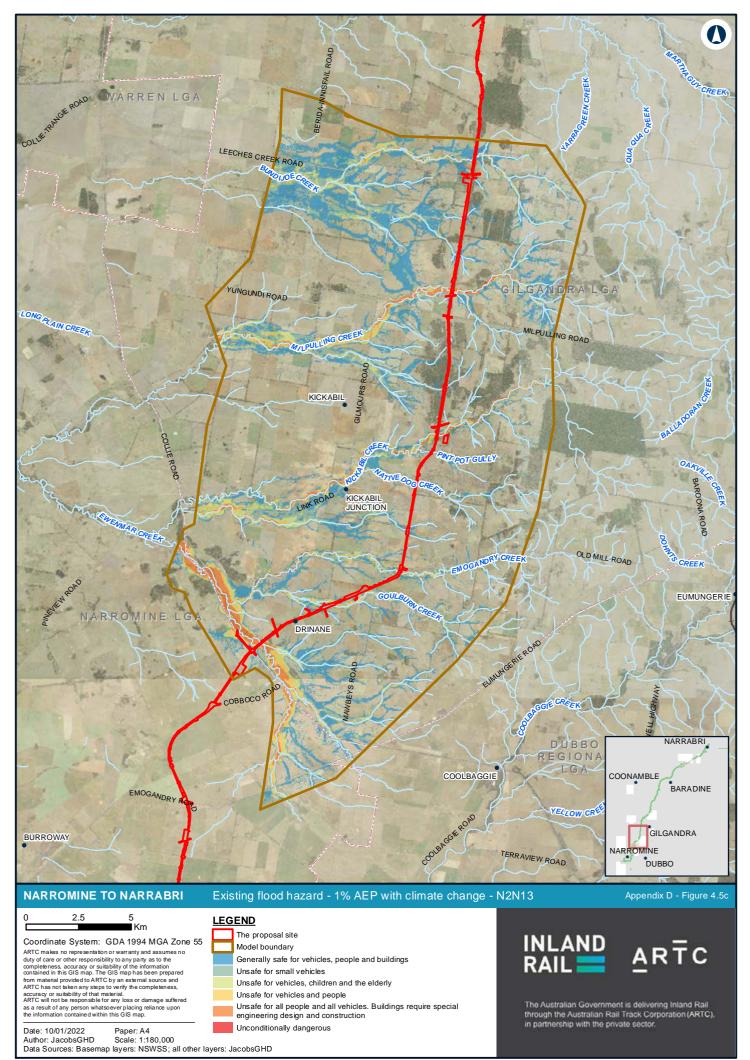
Unconditionally dangerous

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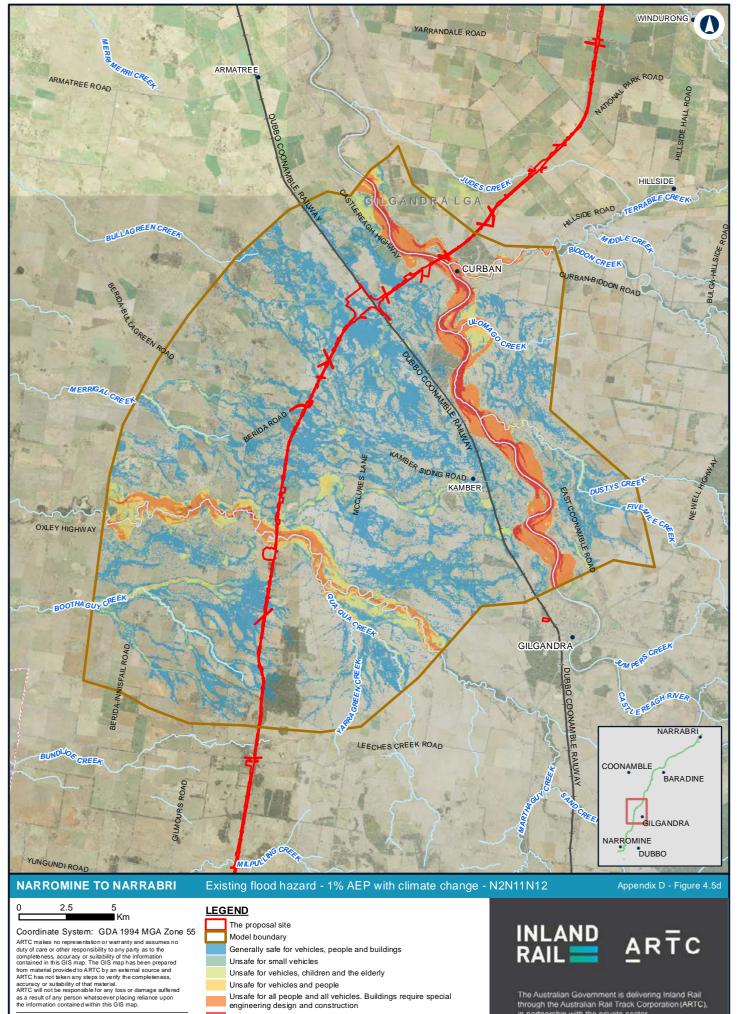


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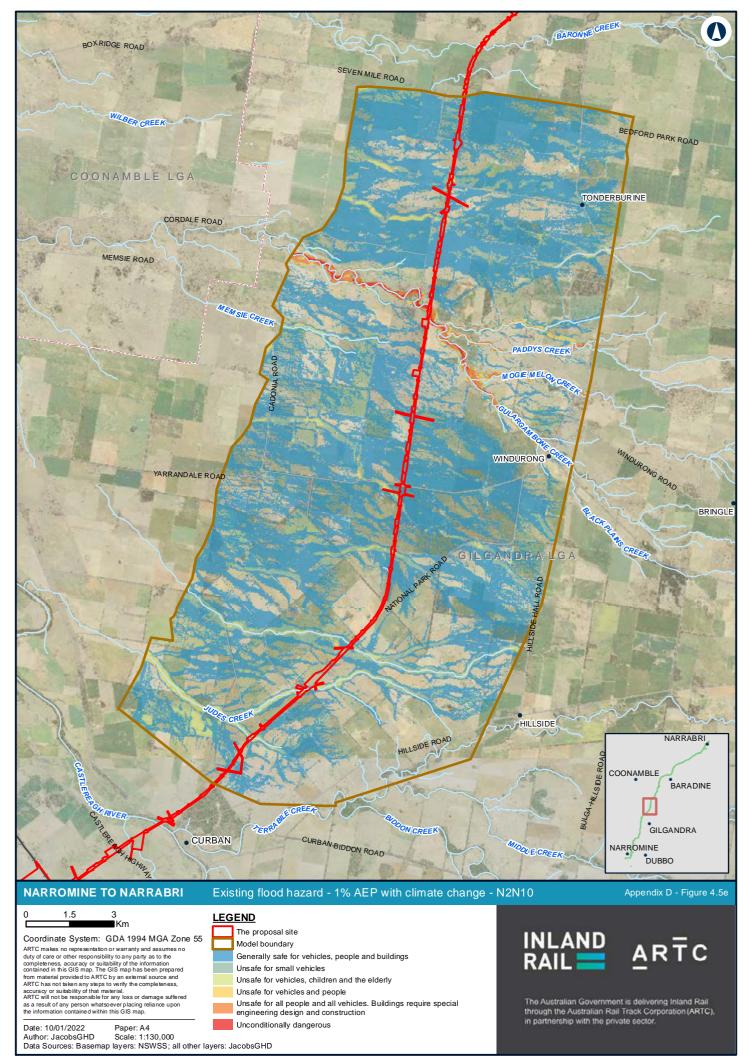
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Paper: A4 Scale: 1:200,000 Author: JacobsGHD Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

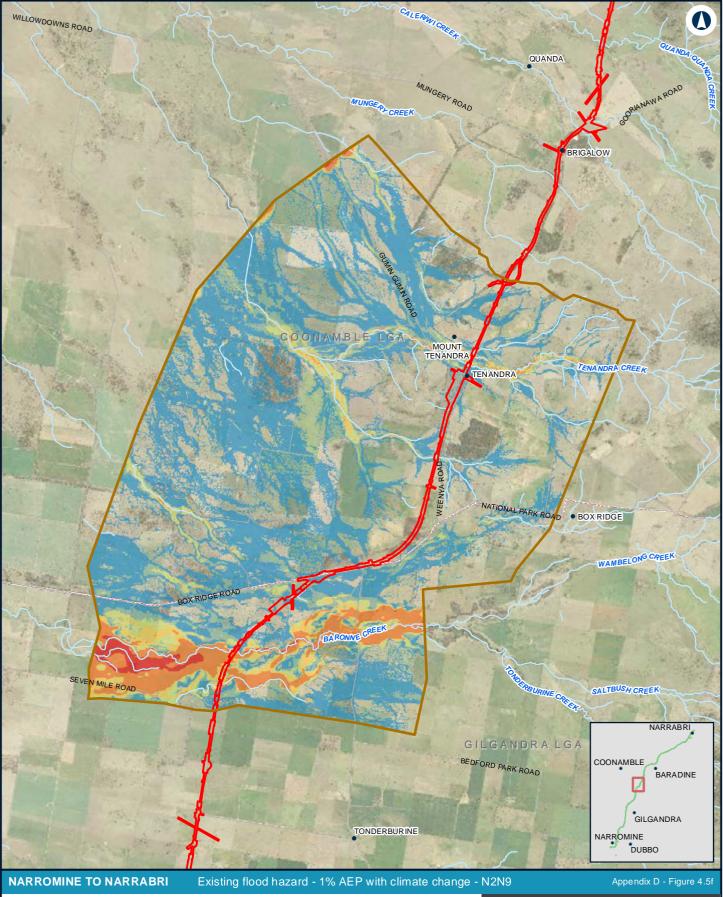
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engineering design and construction Unconditionally dangerous



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1.5 3 Km

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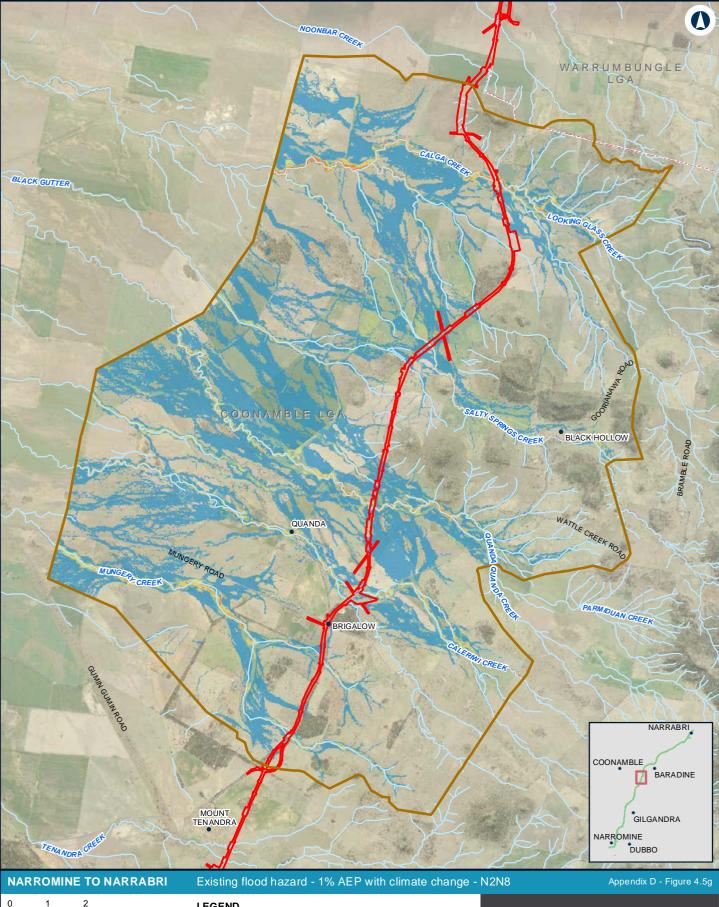
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The proposal site	
Model boundary	
Generally safe for vehicles, people and buildings	
Unsafe for small vehicles	
Unsafe for vehicles, children and the elderly	
Unsafe for vehicles and people	
Unsafe for all people and all vehicles. Buildings require engineering design and construction	
Unconditionally dangerous	

special



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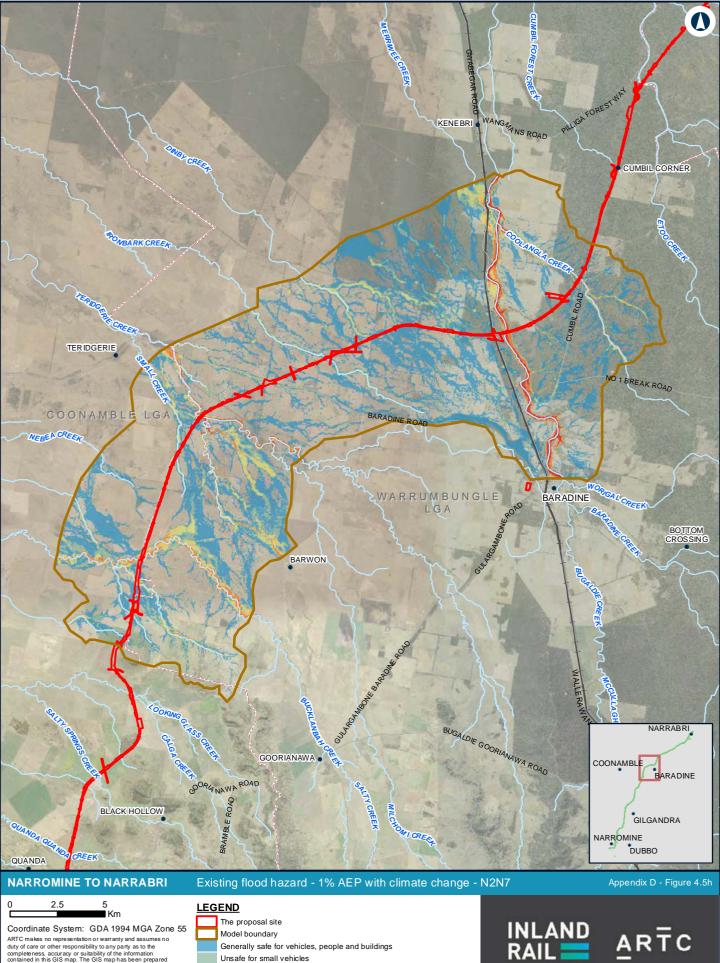
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	The proposal site
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	Generally safe for vehicles, people and buildings
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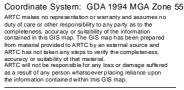
special

Unconditionally dangerous

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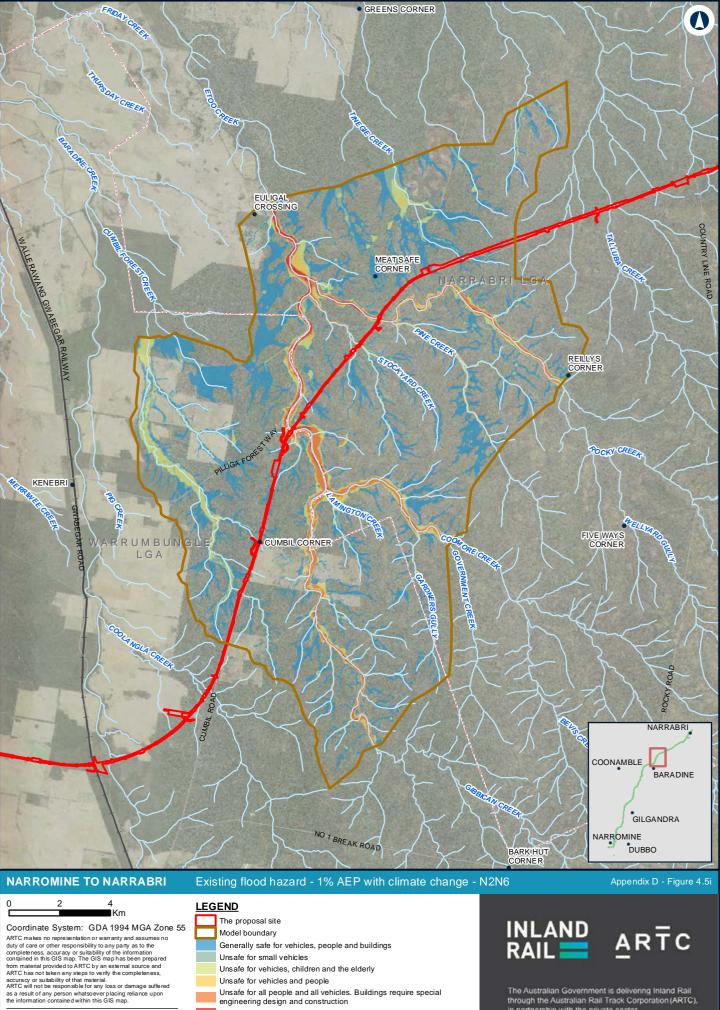


The proposal site	
Model boundary	
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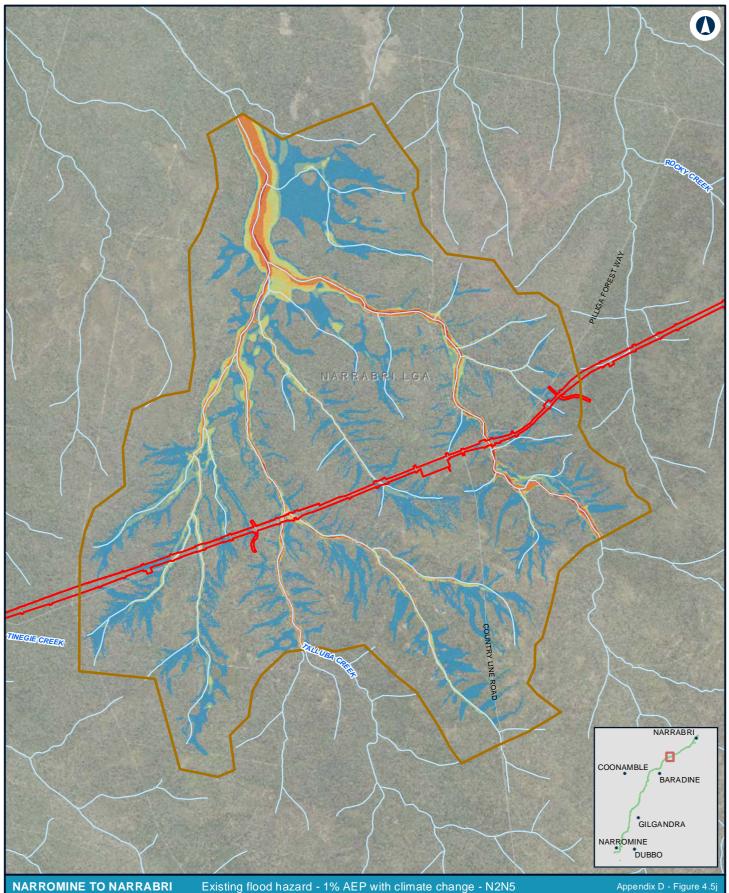


- Unsafe for vehicles, children and the elderly
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- The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly
 - Unsafe for vehicles and people
 - Unsafe for all people and all vehicles. Buildings require special

engineering design and construction Unconditionally dangerous

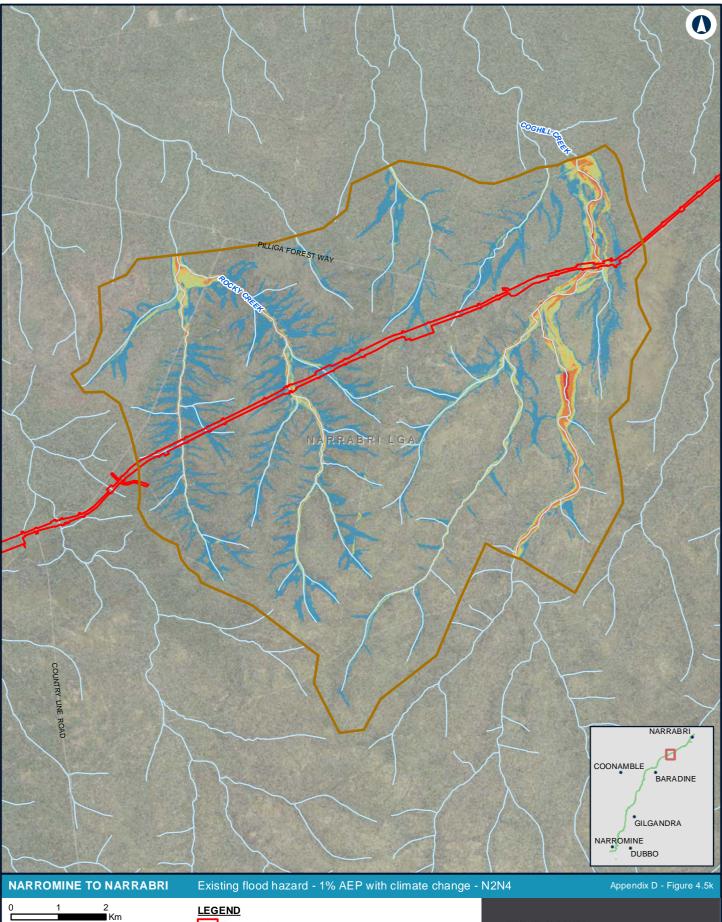
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	The proposal site
	Model boundary
	Generally safe for vehicles, people and buildings
	Unsafe for small vehicles
	Unsafe for vehicles, children and the elderly
	Unsafe for vehicles and people
	Unsafe for all people and all vehicles. Buildings require special
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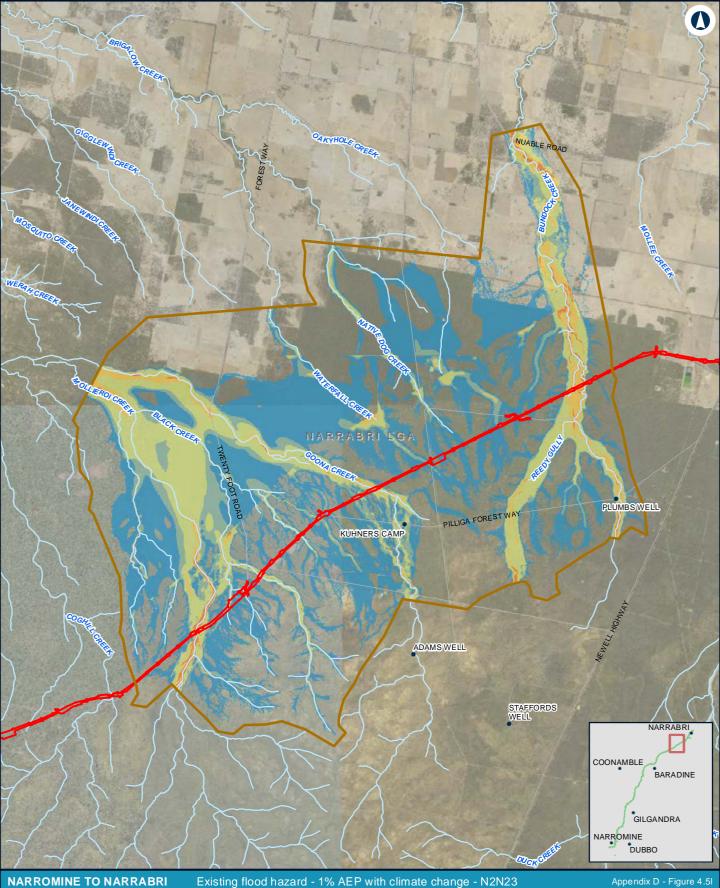
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0 1.5 3 Km E

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<u>LEGEND</u>

	The proposal site	
	Model boundary	
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Unconditionally dangerous

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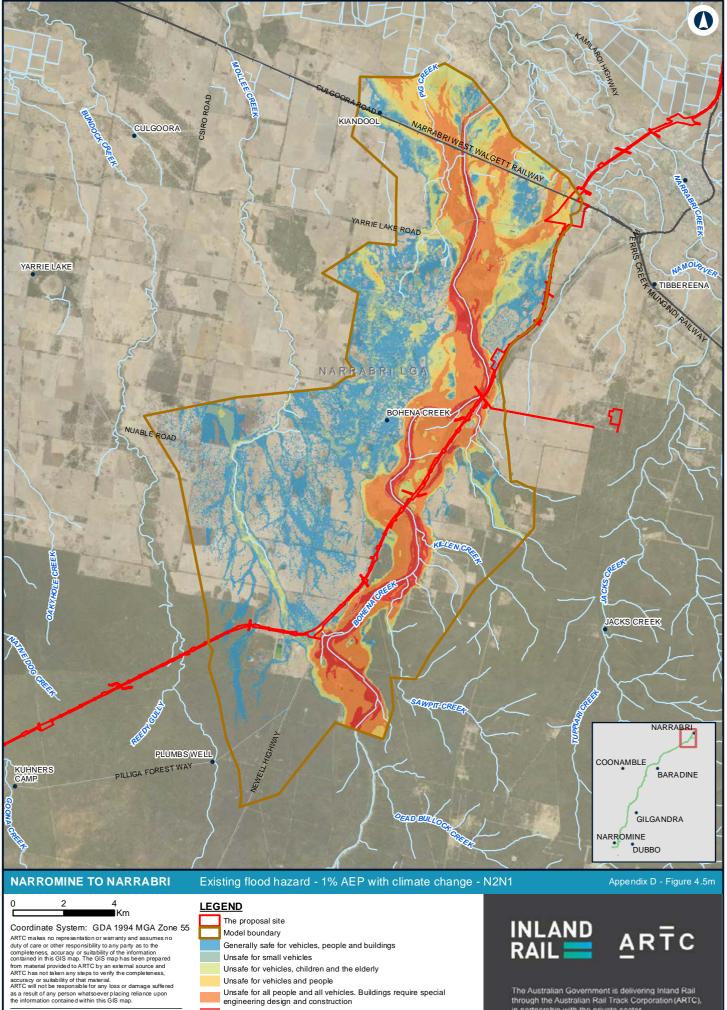
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 JacobsGHD
 Scale:
 1:140,000
 Data Sources:
 Basemap layers:
 NSWSS; all other layers:
 JacobsGHD

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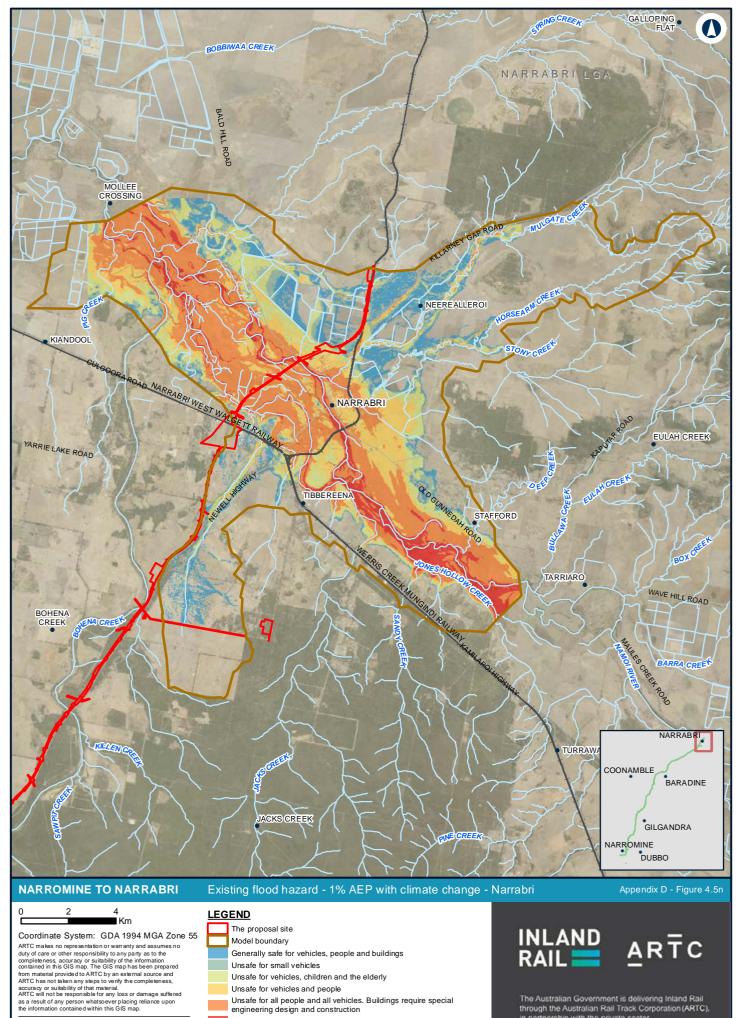
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engineering design and construction

Unconditionally dangerous



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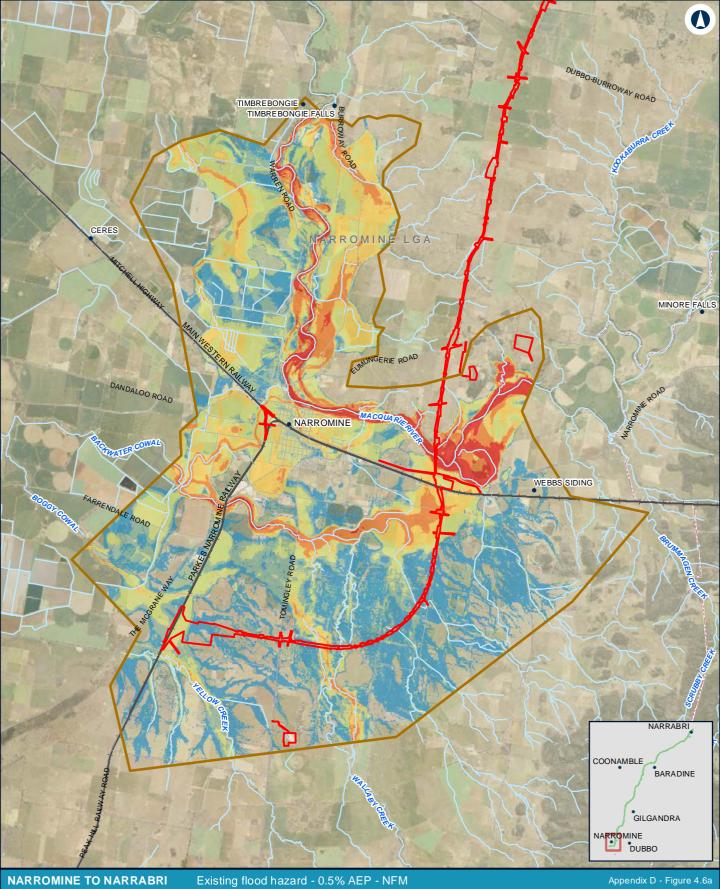
Paper: A4 Scale: 1:160,000 Author: JacobsGHD Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Date: 10/01/2022

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engineering design and construction Unconditionally dangerous

Unsafe for all people and all vehicles. Buildings require special



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Km Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone 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.

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Unconditionally dangerous	

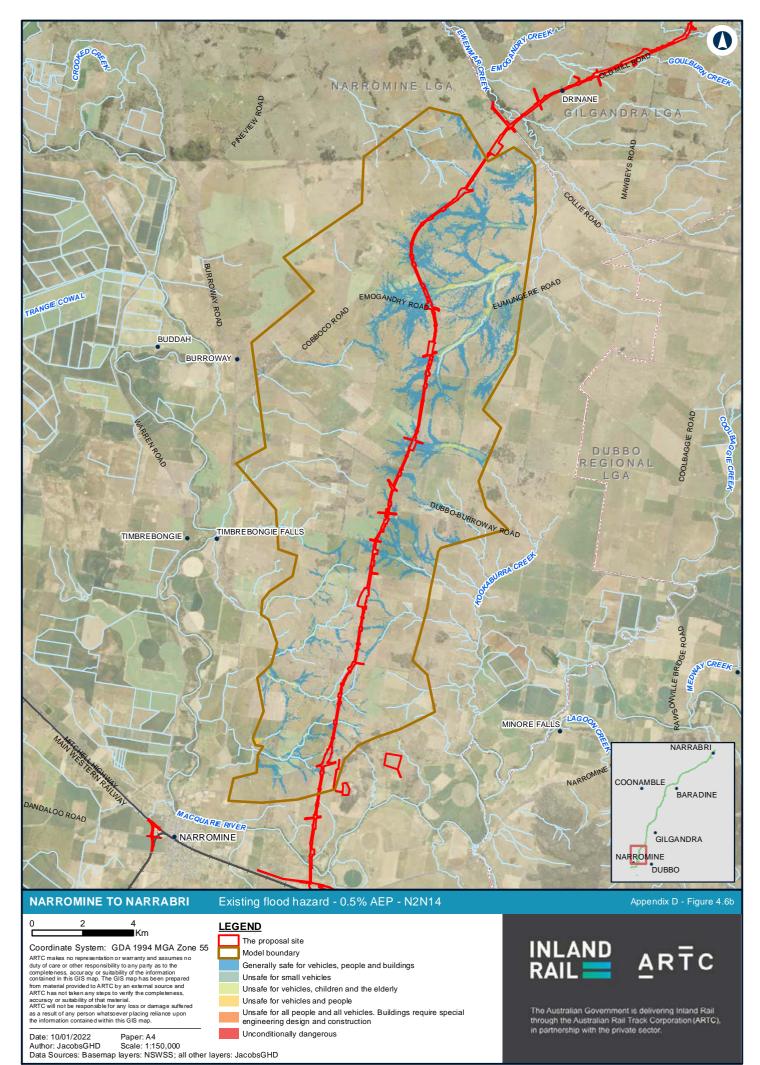


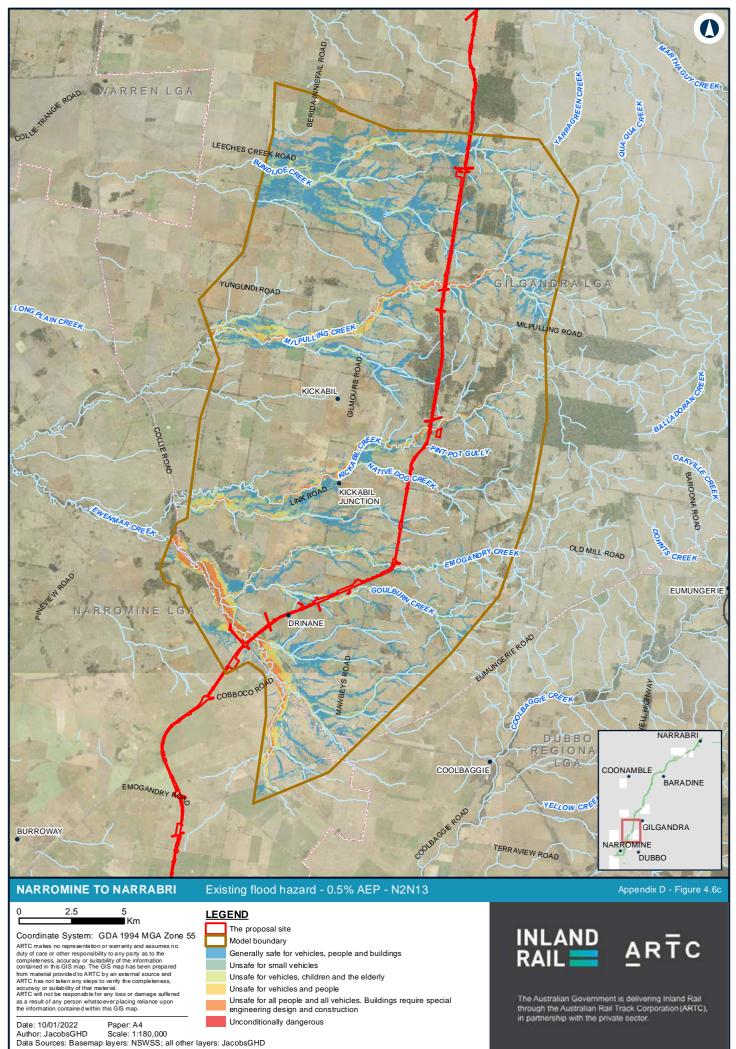
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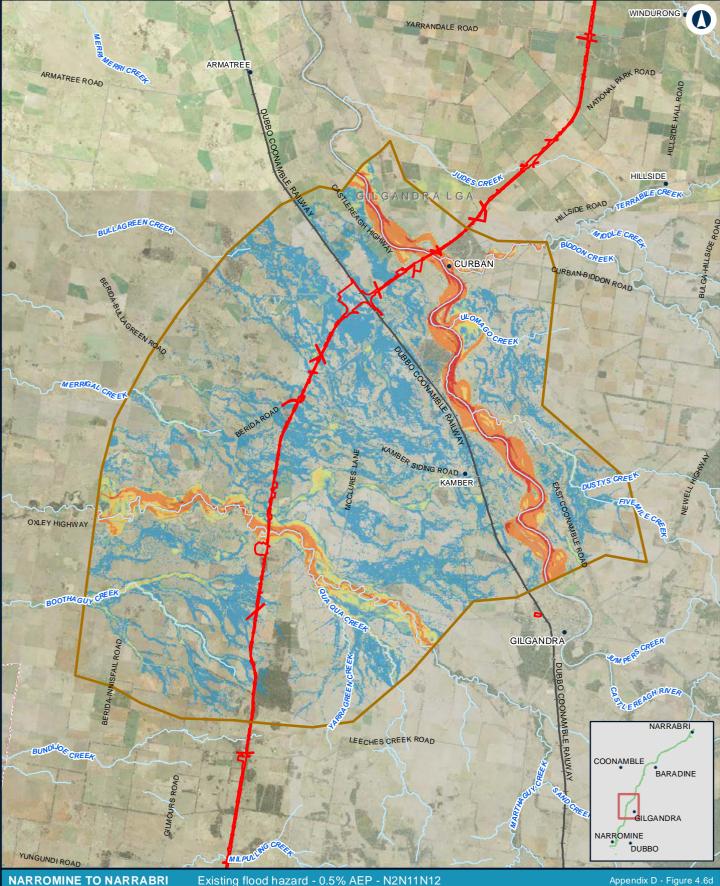
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Existing flood hazard - 0.5% AEP - N2N11N12



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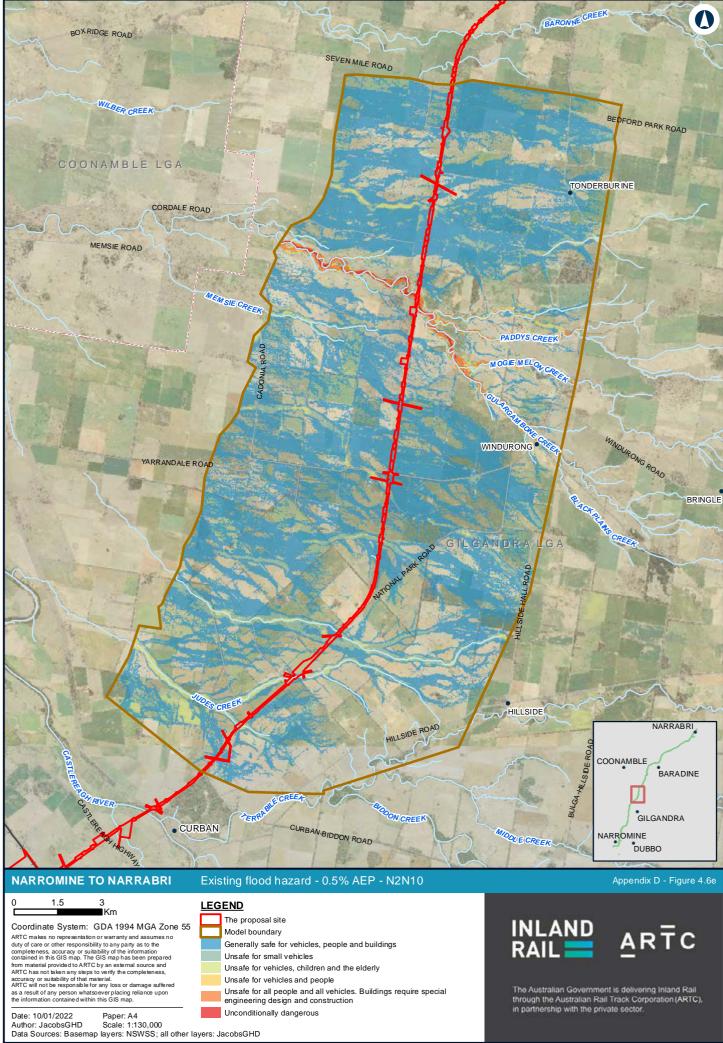
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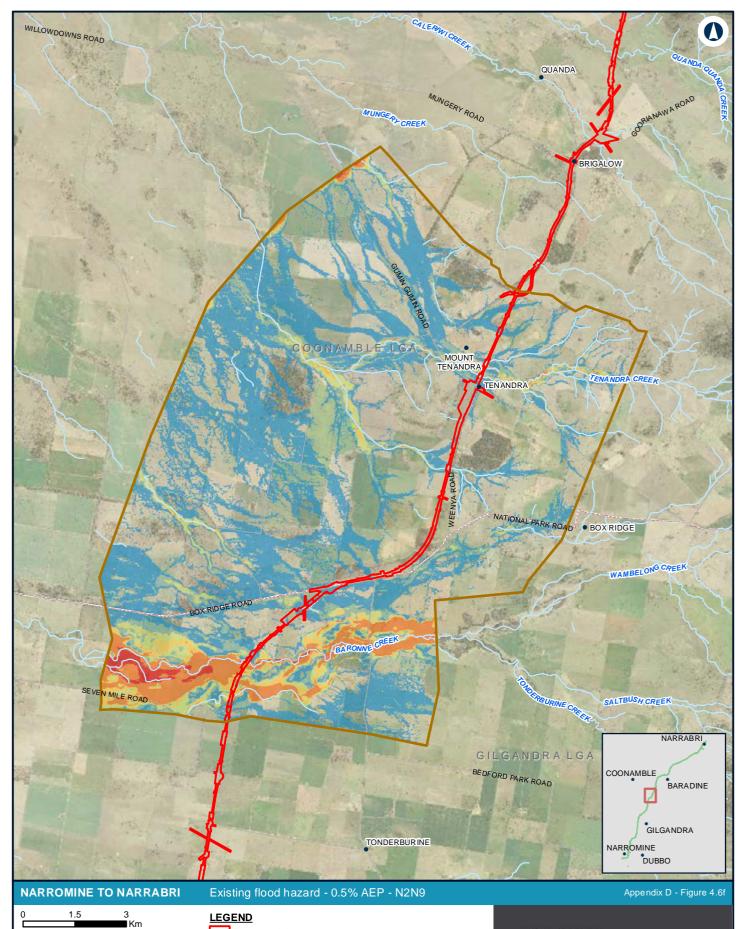
Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:200,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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Unconditionally dangerous

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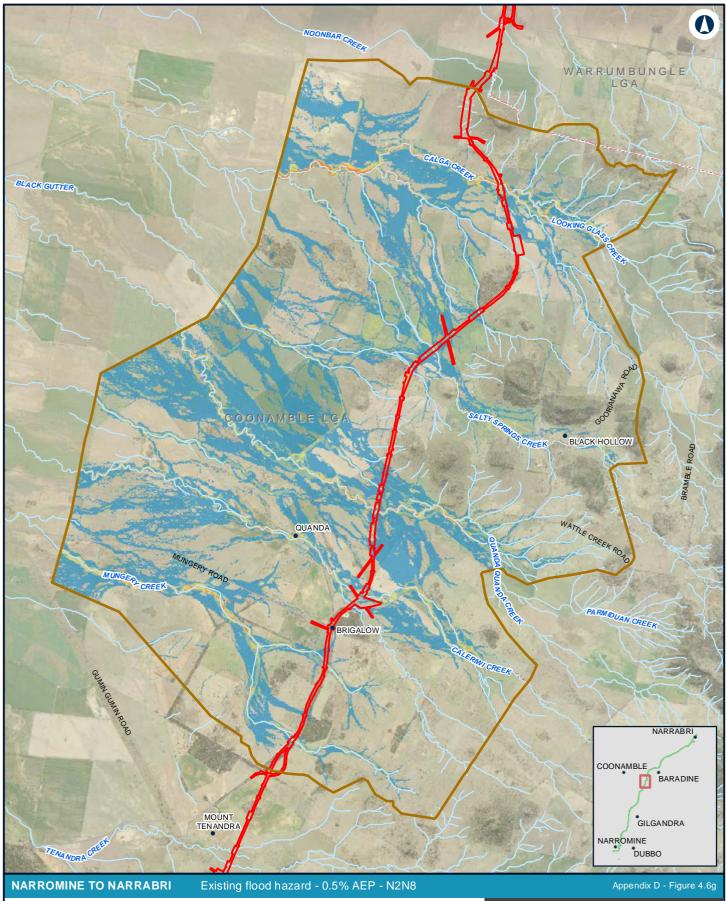
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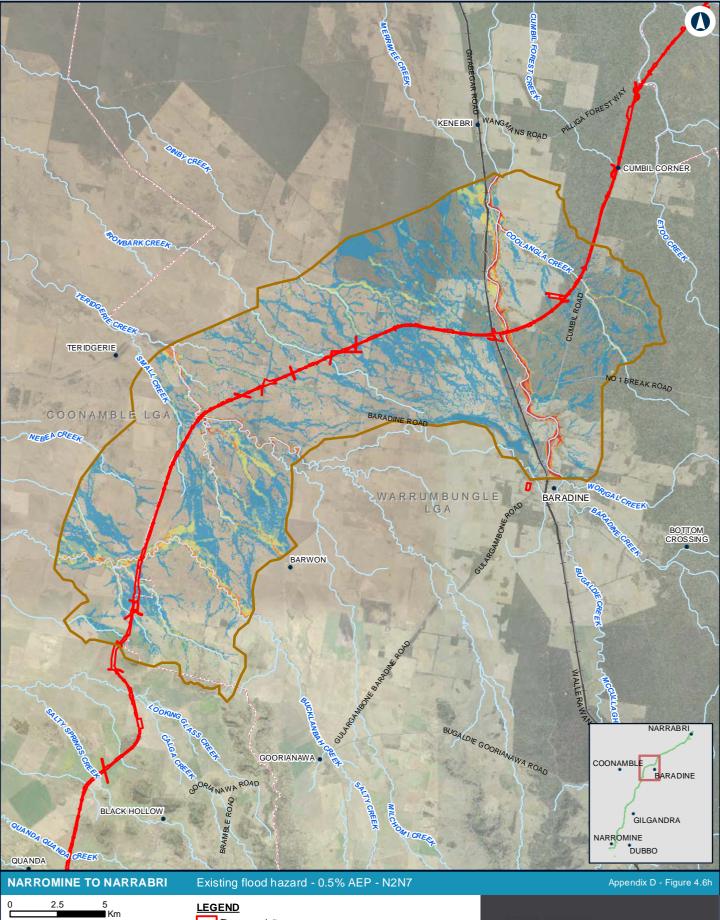
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The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

Date: 10/01/2022 Paper: A4 Unconditionally dangerous Author: JacobsGHD Scale: 1:100,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

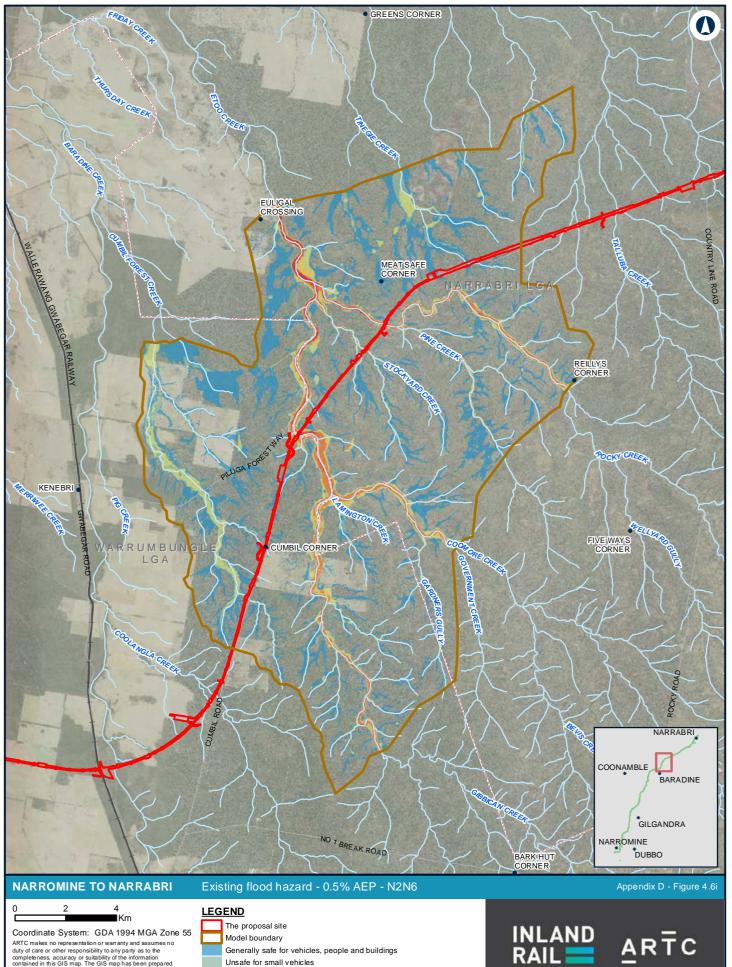


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Date: 10/01/2022 Paper: A4 Uncondition Author: JacobsGHD Scale: 1:200,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD





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Unsafe for all people and all vehicles. Buildings require special engineering design and construction Unconditionally dangerous

Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:150,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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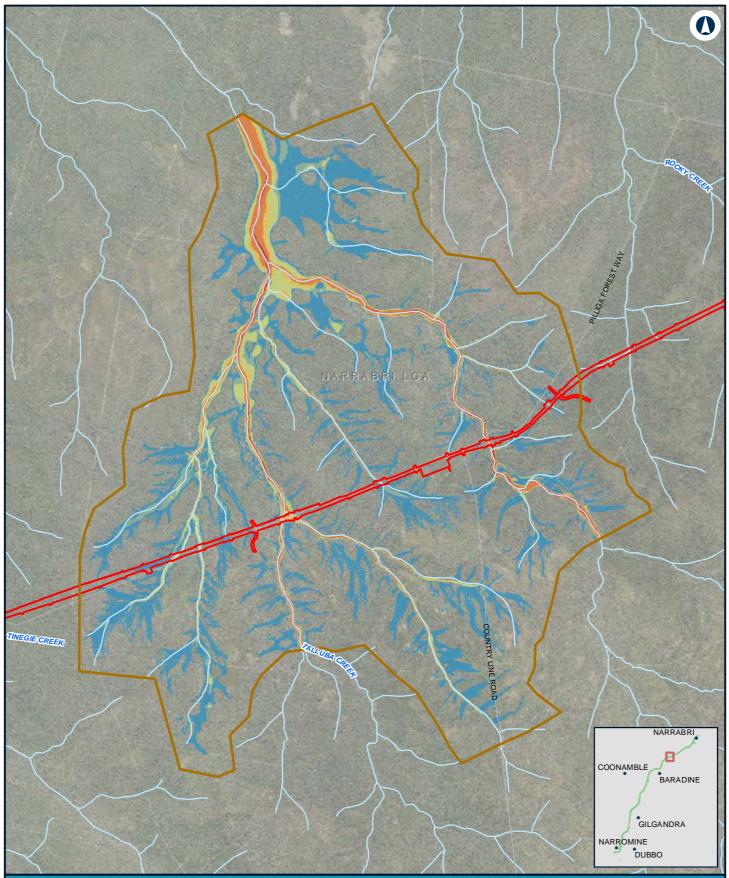
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Generally safe for vehicles, people and buildings

Unsafe for vehicles, children and the elderly Unsafe for vehicles and people

Model boundary

Unsafe for small vehicles



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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 whatsover placing reliance upon the information contained within this GIS map.

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The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special

Existing flood hazard - 0.5% AEP - N2N5

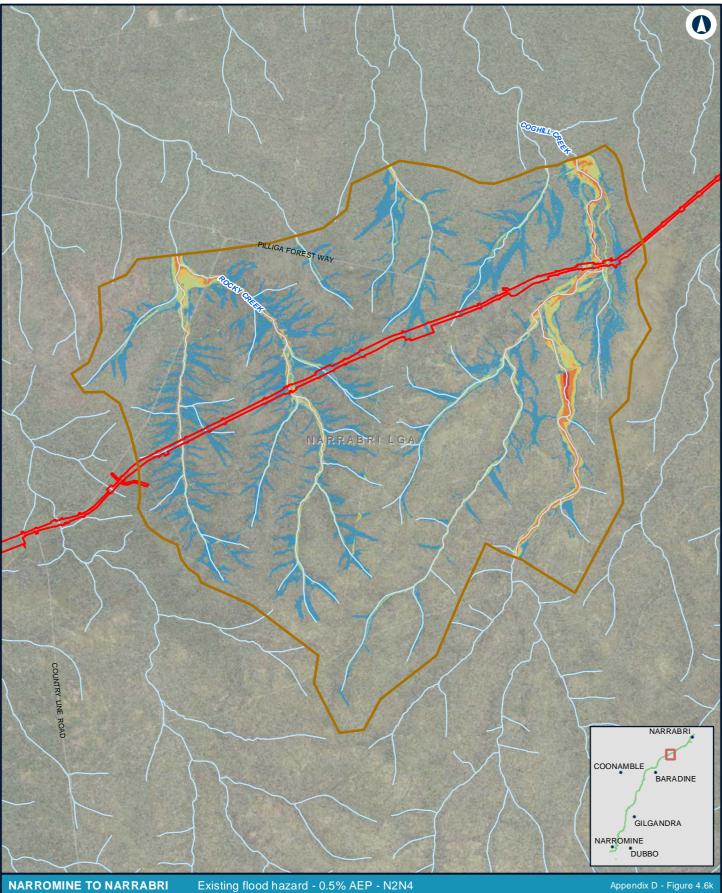
engineering design and construction Unconditionally dangerous

Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:70,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Appendix D - Figure 4.6j



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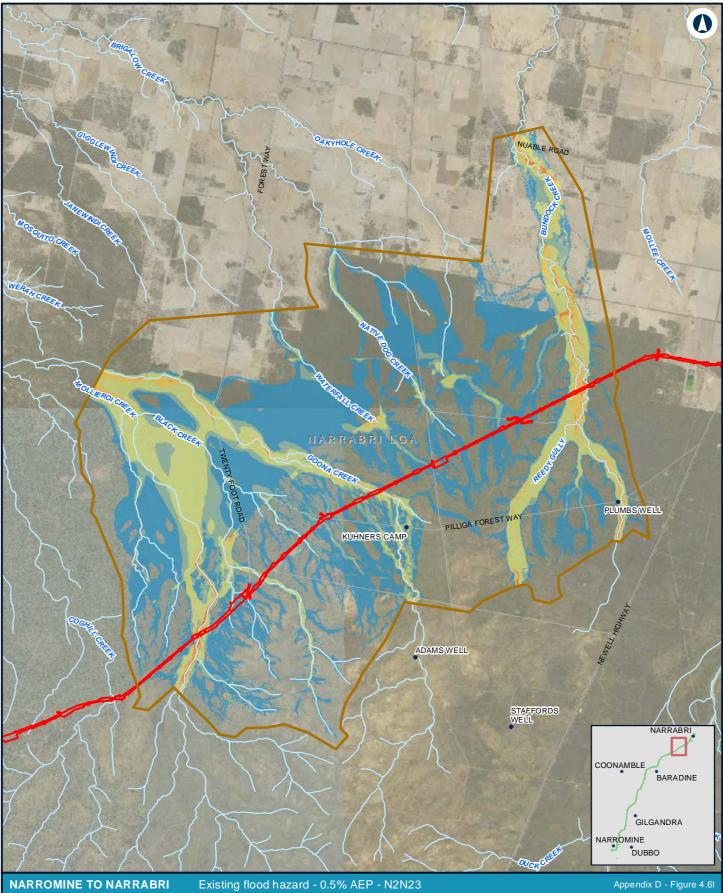
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- Unsafe for all people and all vehicles. Buildings require special
- engineering design and construction

Unconditionally dangerous

Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:80,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA 20ne 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.

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The proposal site
Model boundary
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Unsafe for small vehicles
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Unsafe for all people and all vehicles. Buildings require special engineering design and construction
Unconditionally dangerous

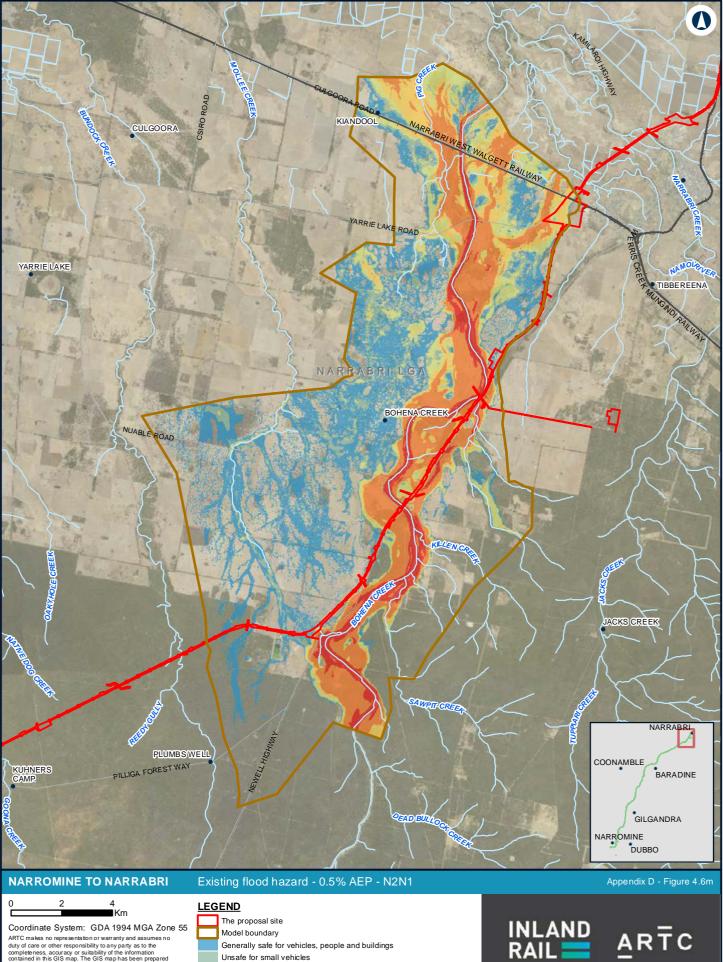


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 Date: 10/01/2022
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 Author: JacobsGHD
 Scale: 1:140,000

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



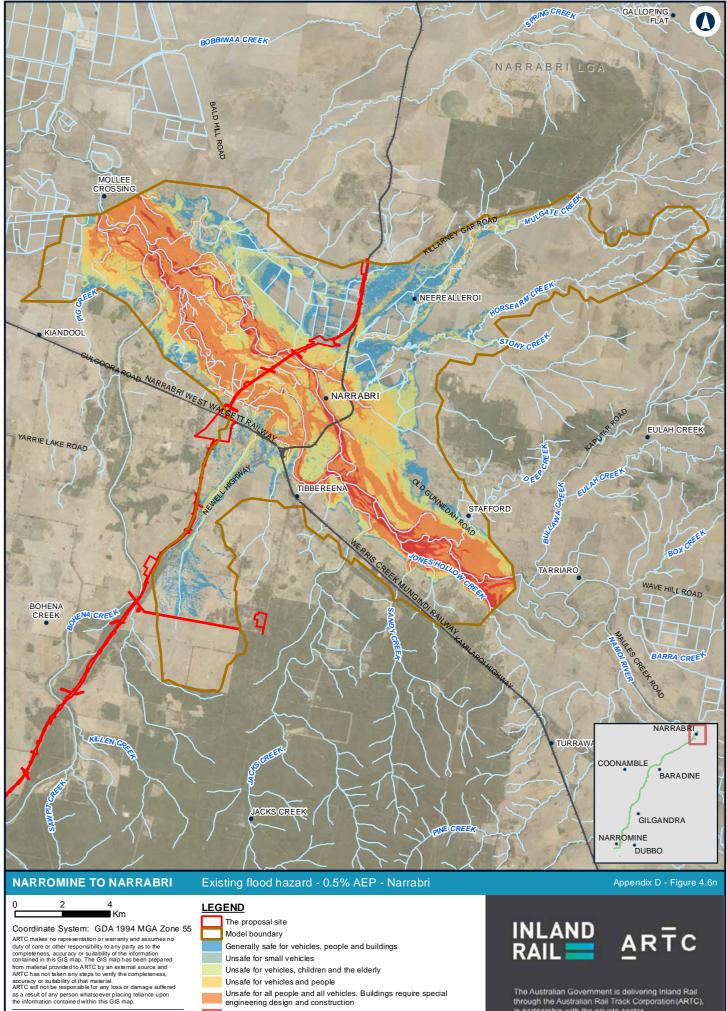
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The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

 Date: 10/01/2022
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 Author: JacobsGHD
 Scale: 1:150,000

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



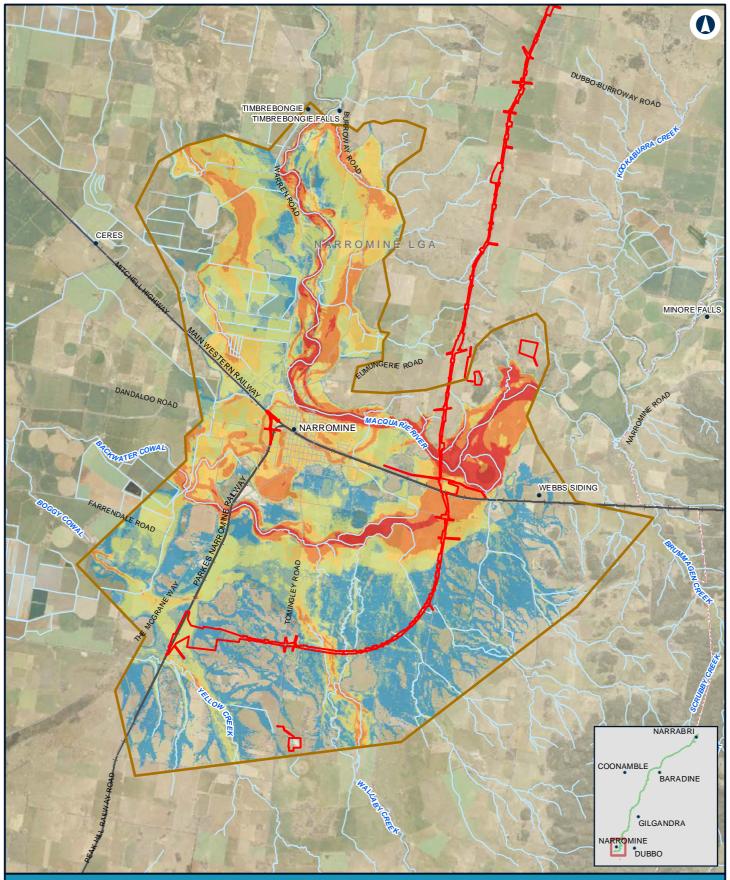
The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.

Unsafe for all people and all vehicles. Buildings require special engineering design and construction

Unconditionally dangerous

Paper: A4 Scale: 1:160,000 Author: JacobsGHD Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

Date: 10/01/2022



Existing flood hazard - 0.2% AEP - NFM

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Km Coordinate System: GDA 1994 MGA Zone 55 ARTC makes no representation or warranty and assumes no duly 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 no 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.

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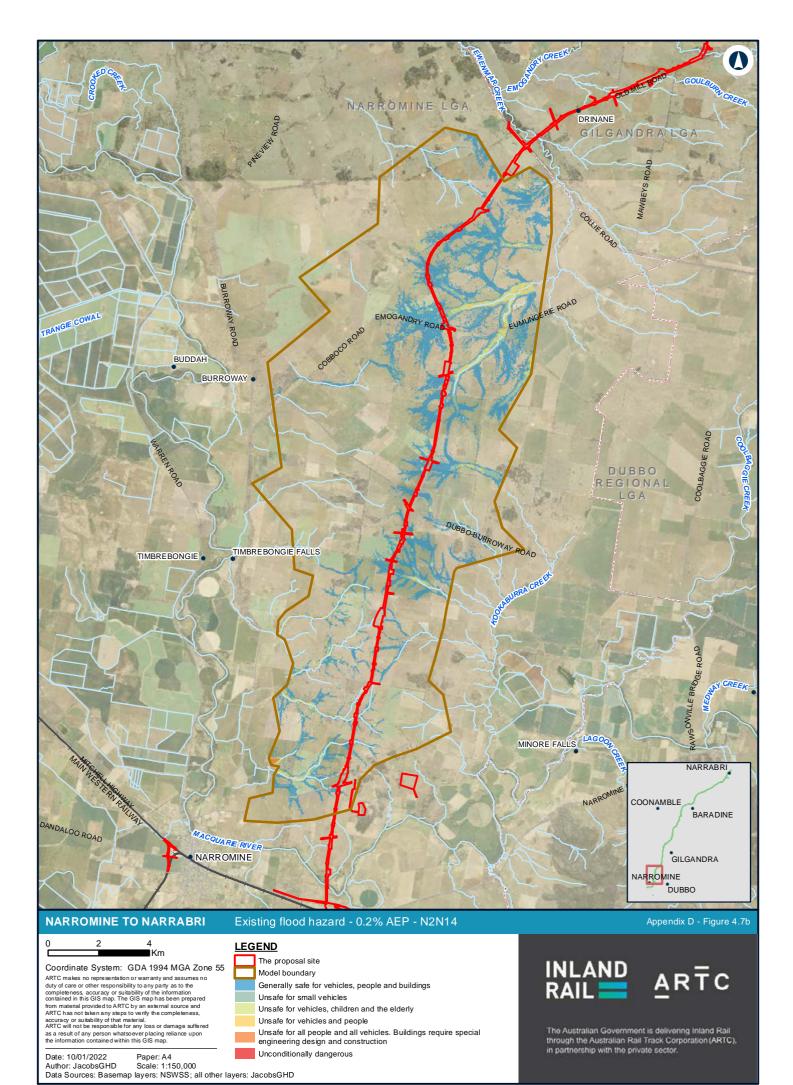
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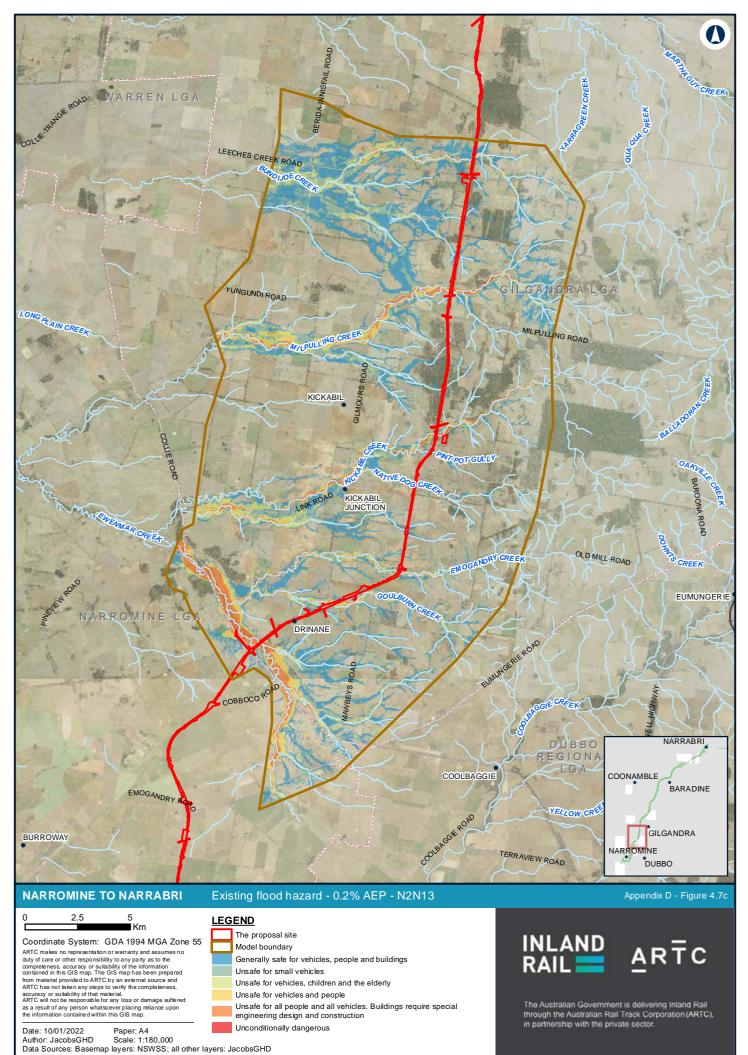
Appendix D - Figure 4

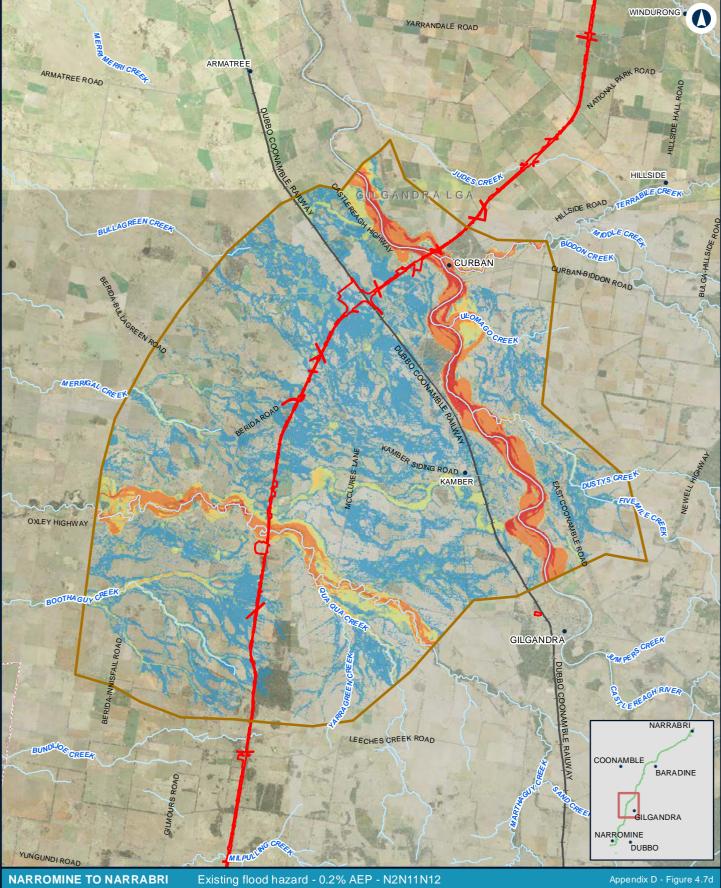


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Unconditionally dangerous

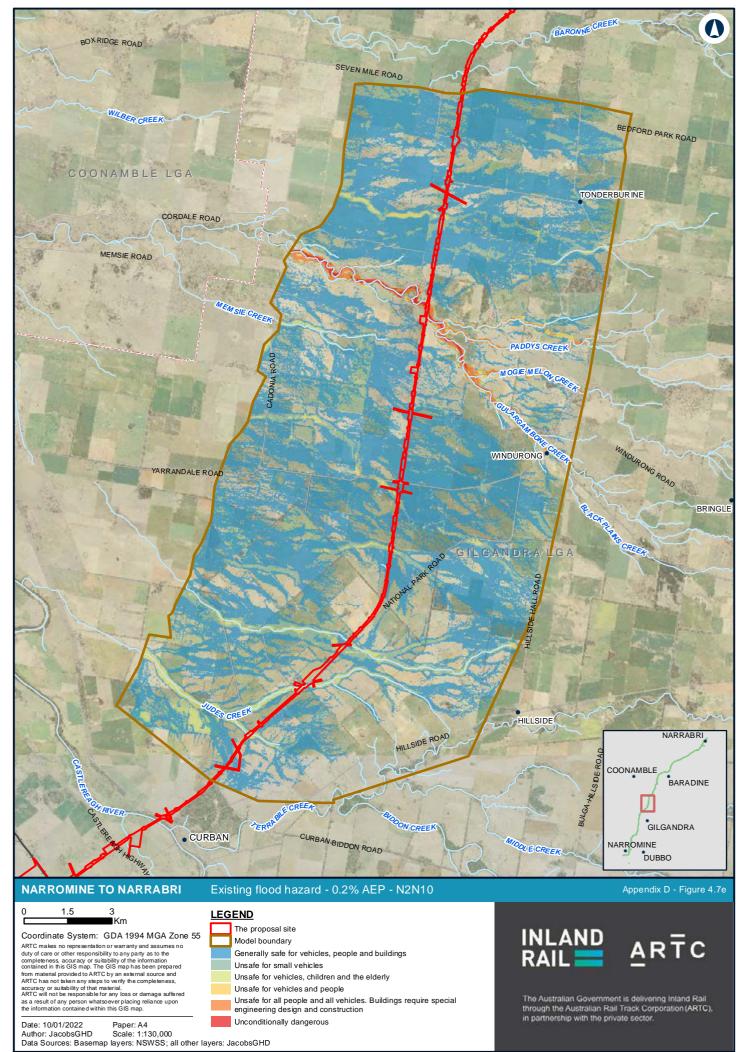
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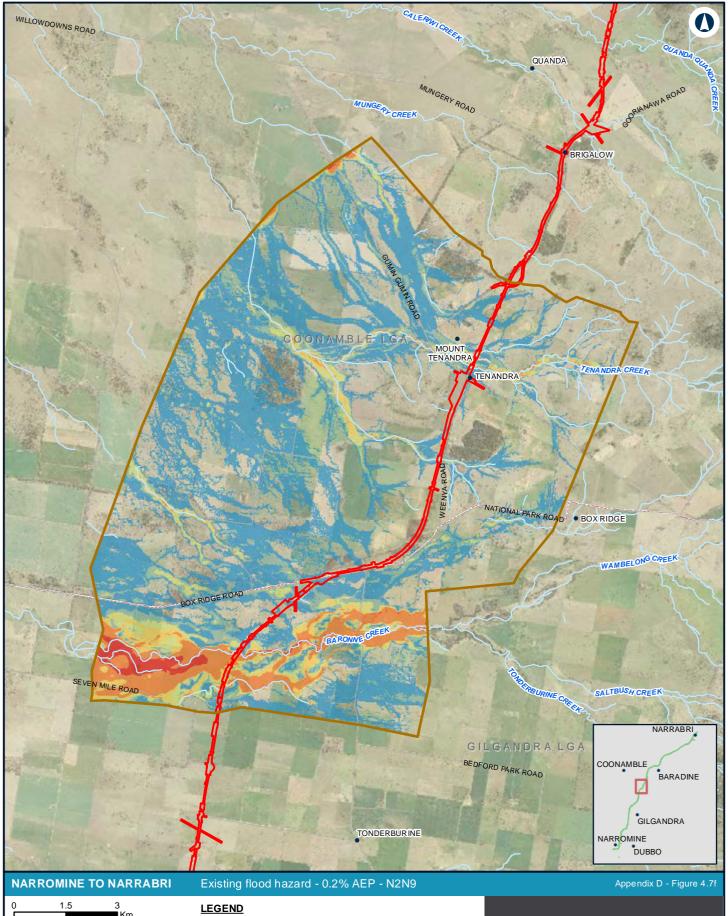
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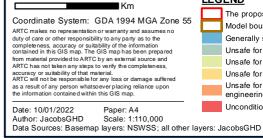
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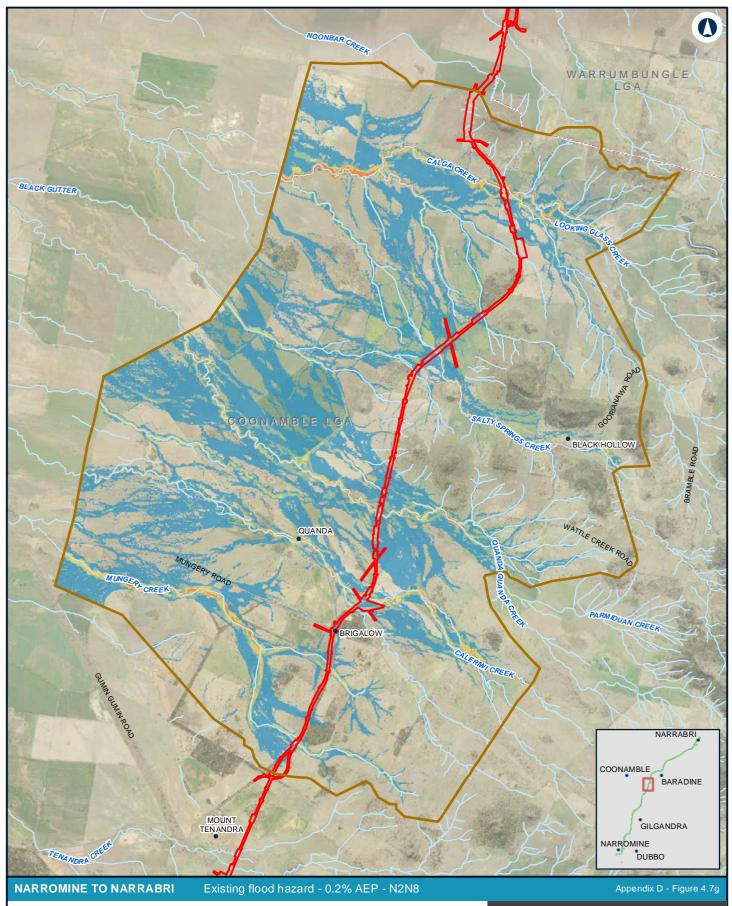






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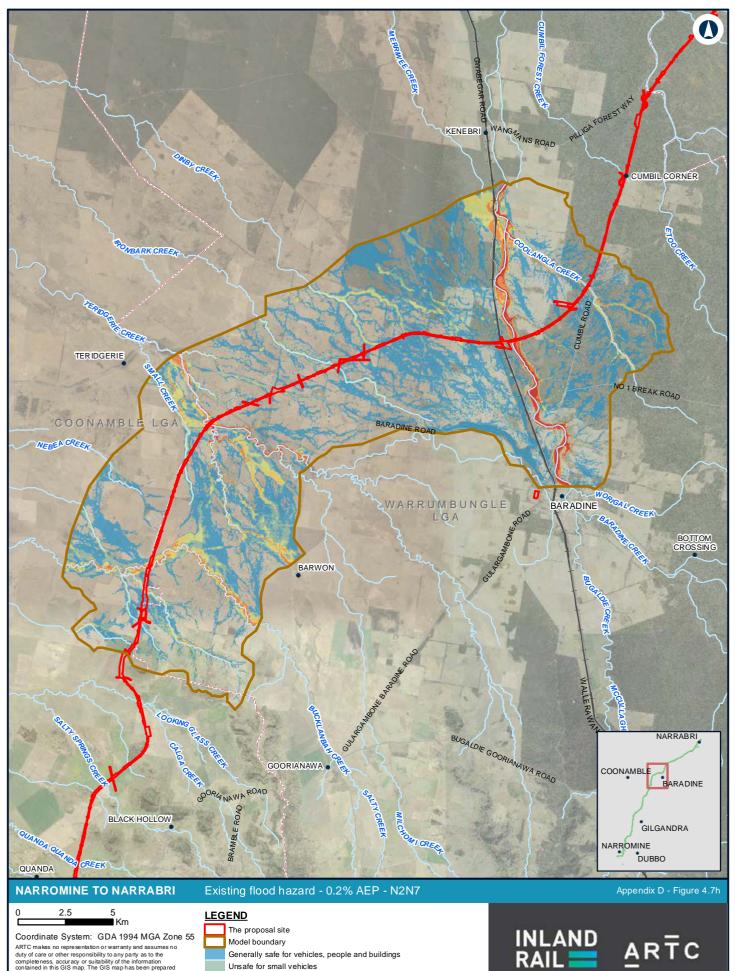
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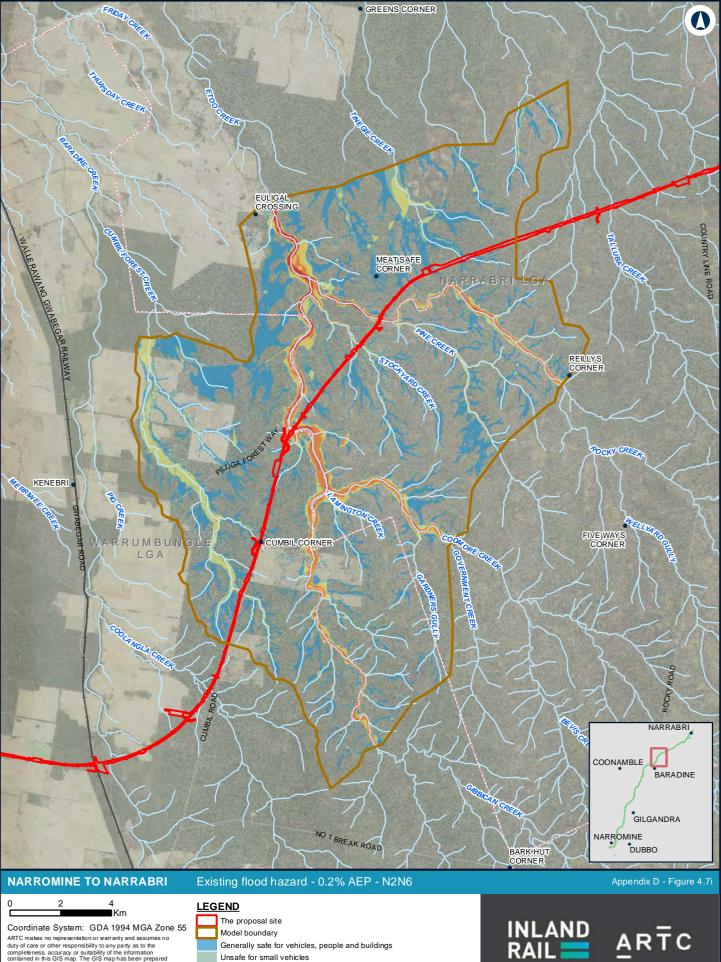
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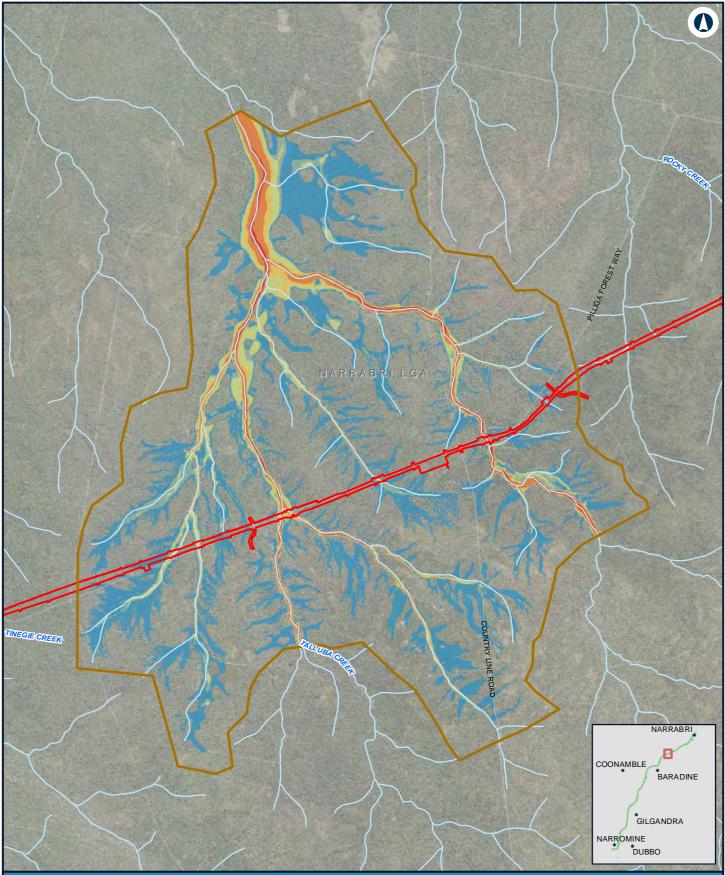


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LEGEND

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Existing flood hazard - 0.2% AEP - N2N5

Unsafe for all people and all vehicles. Buildings require special engineering design and construction

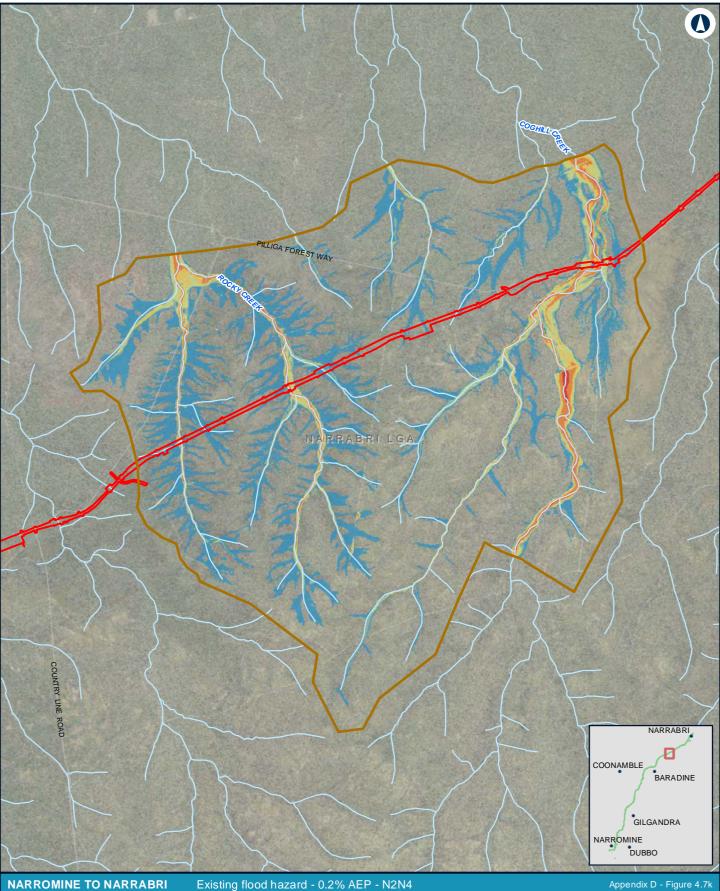
Unconditionally dangerous

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Appendix D - Figure 4.7i



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Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA 20ne 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.

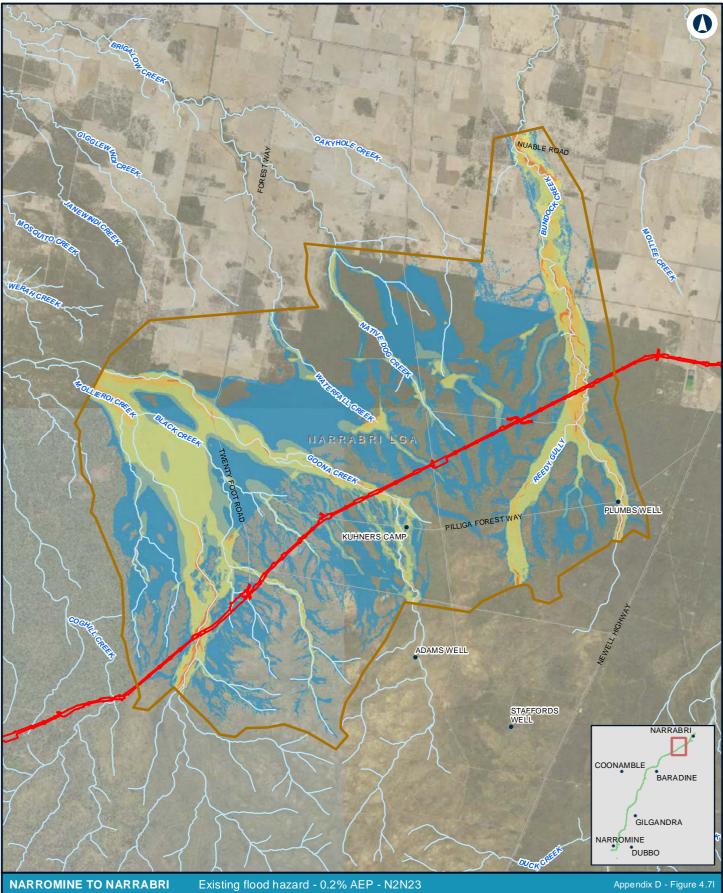
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Date: 10/01/2022 Paper: A4 Unconomo Author: JacobsGHD Scale: 1:80,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



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Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA 20ne 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.

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Unconditionally dangerous

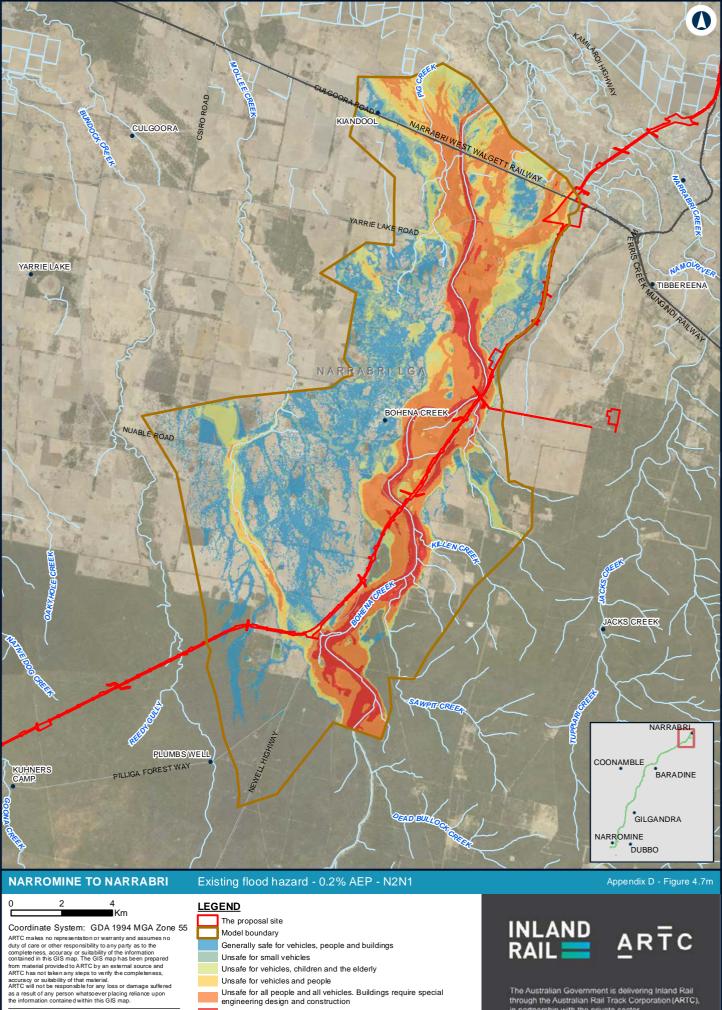


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 Date: 10/01/2022
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 Author: JacobsGHD
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 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD



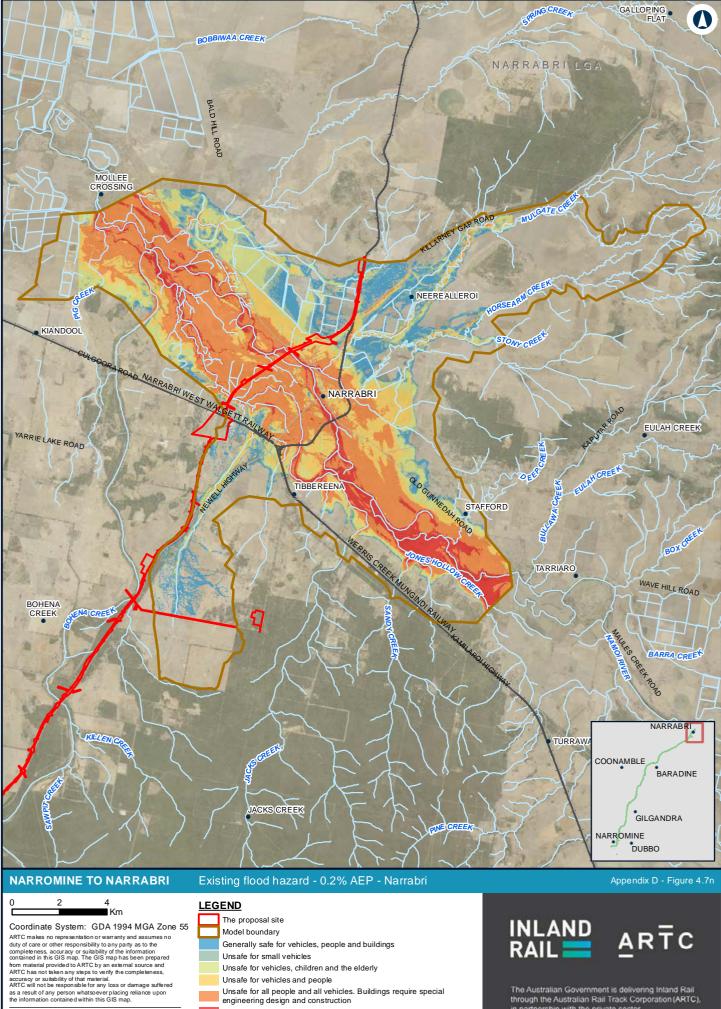
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Date: 10/01/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:150,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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Unsafe for vehicles, children and the elderly

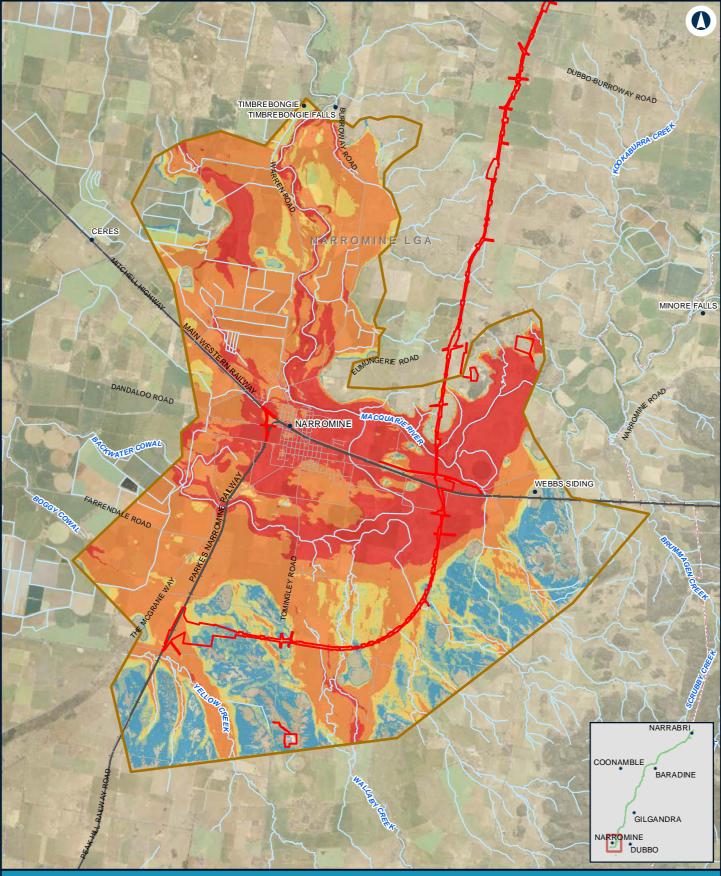
- Unsafe for vehicles and people
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Paper: A4 Scale: 1:160,000 Date: 10/01/2022 Author: JacobsGHD

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

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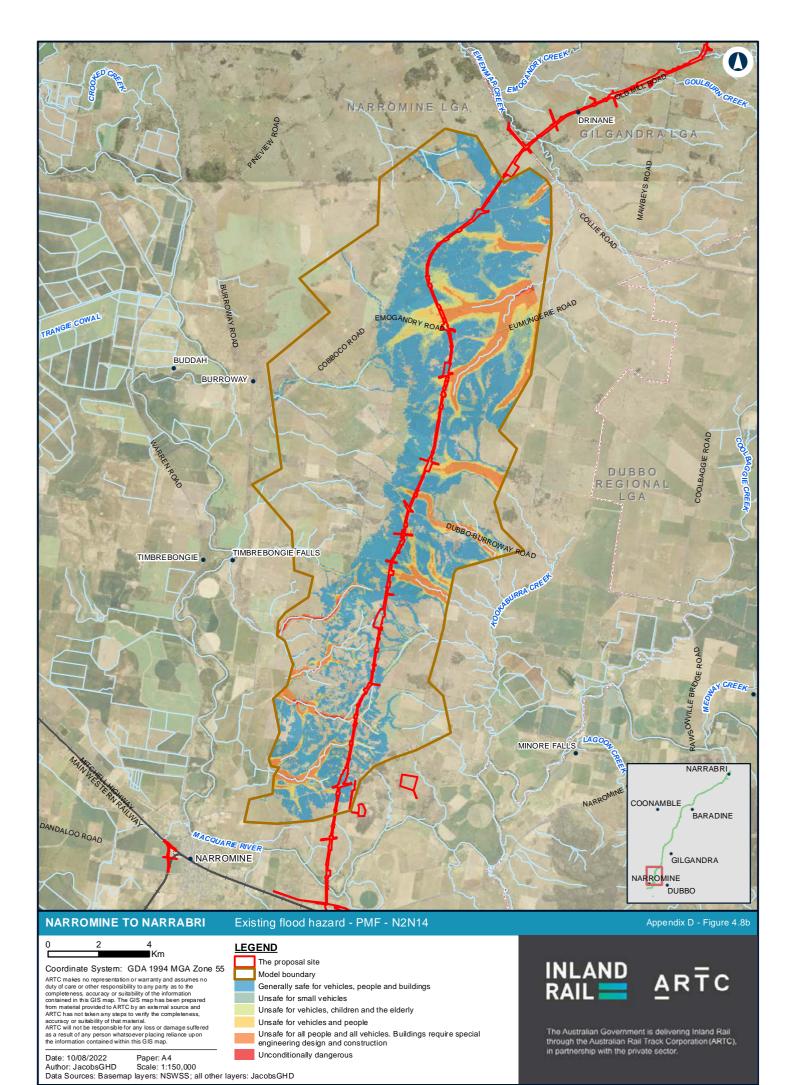
Existing flood hazard - PMF - NFM

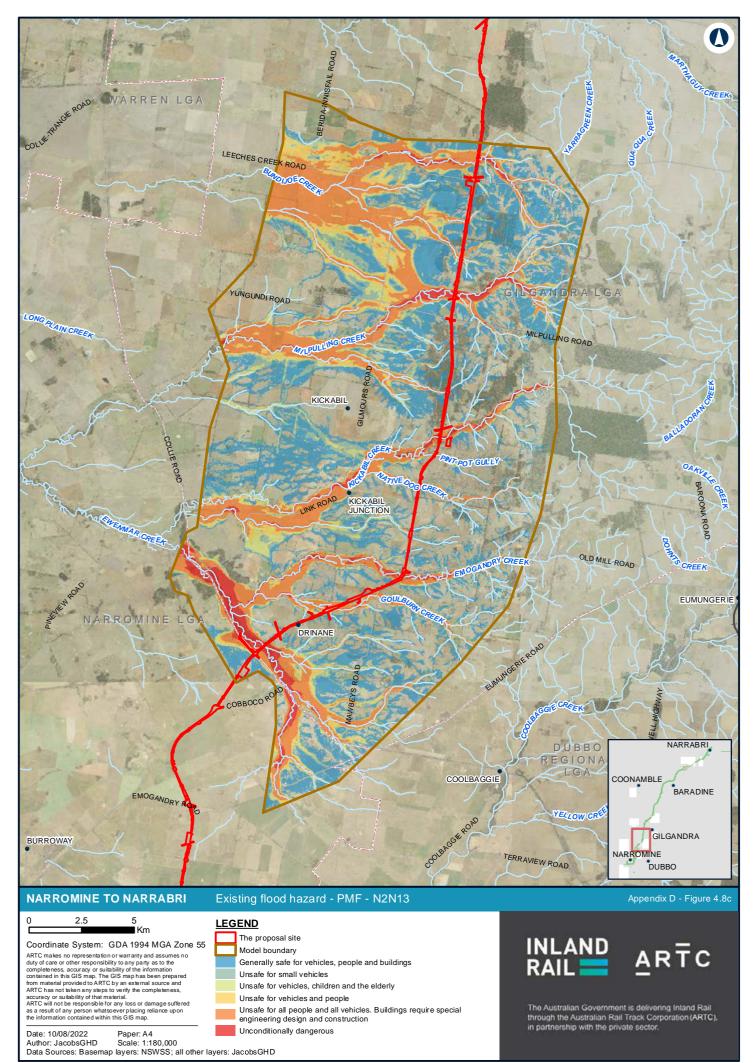
Km E Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map. Date: 10/08/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:140,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

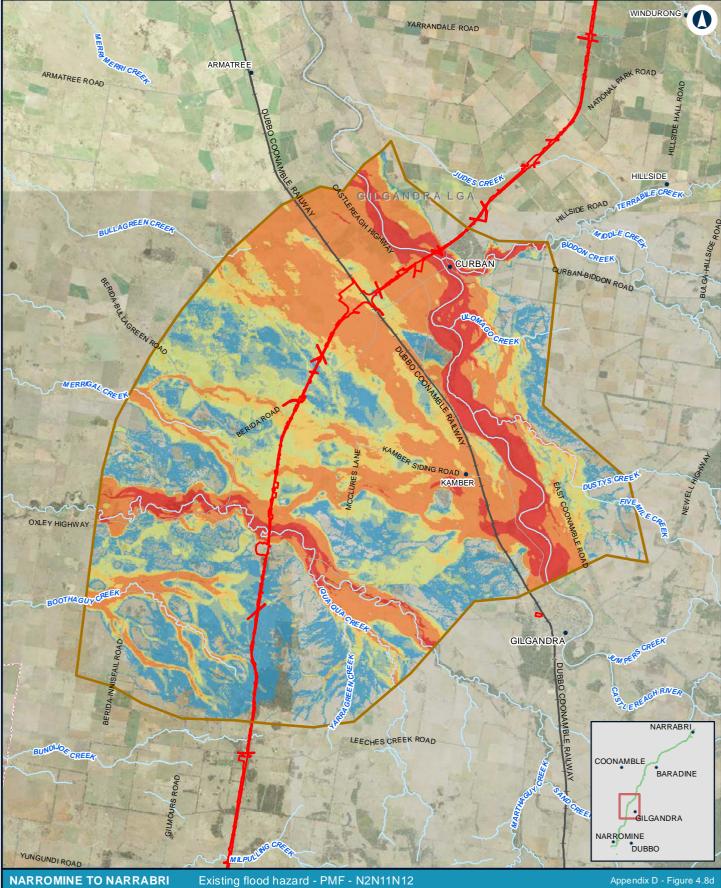
LEGEND The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction Unconditionally dangerous



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2.5 5 0

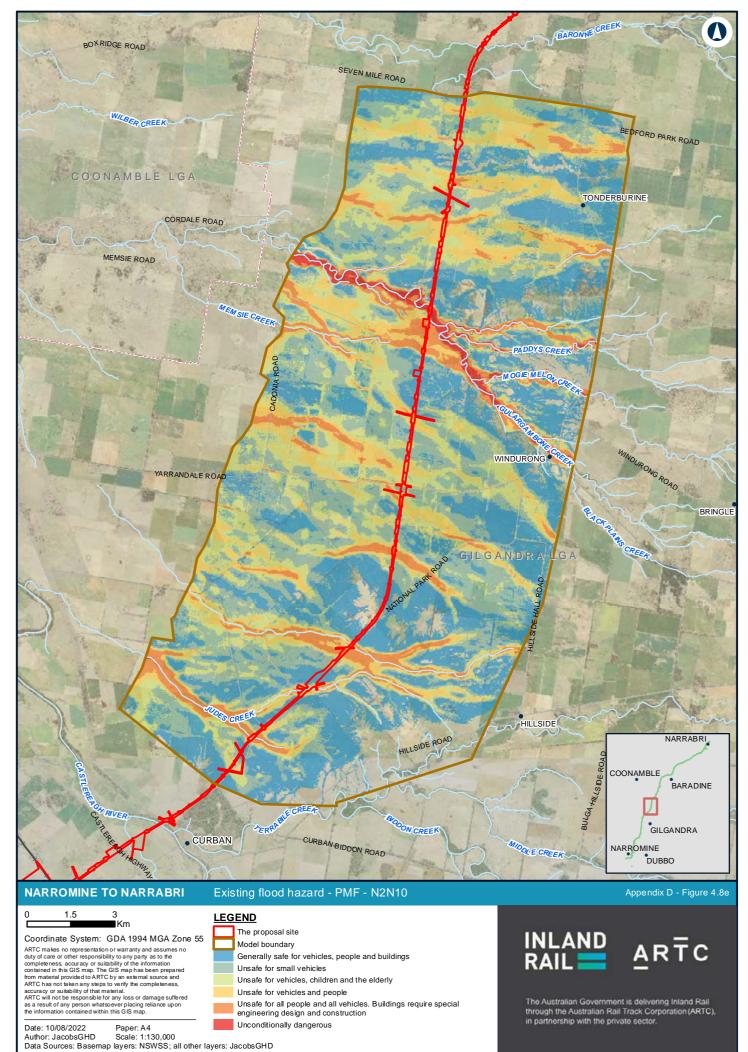
Km Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map. Date: 10/08/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:200,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

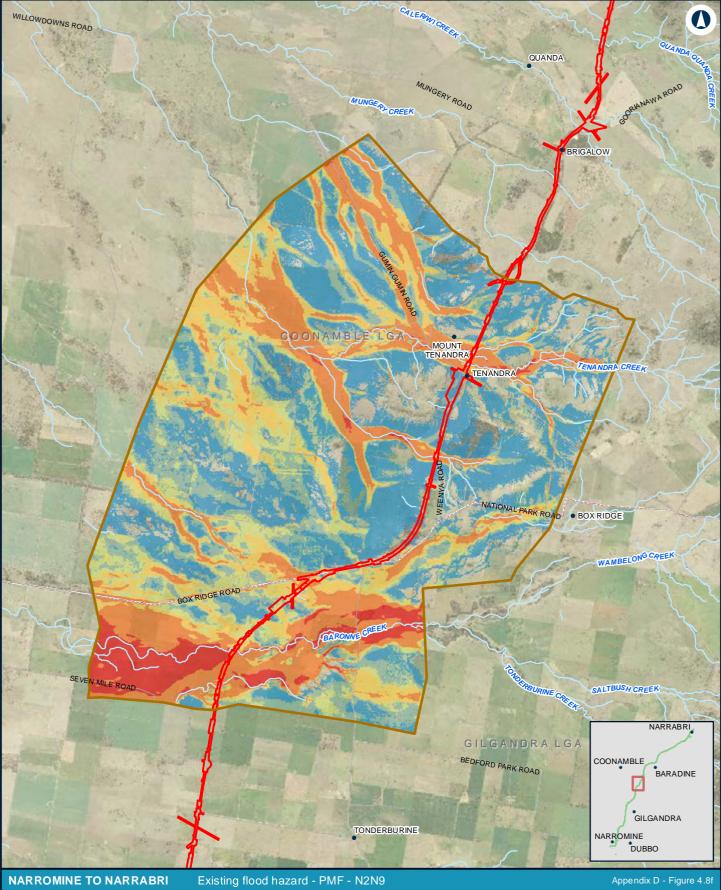
The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction Unconditionally dangerous

LEGEND



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1.5 3

	Km
Coordinate System: G	DA 1994 MGA Zone 55
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Date: 10/08/2022	Paper: A4

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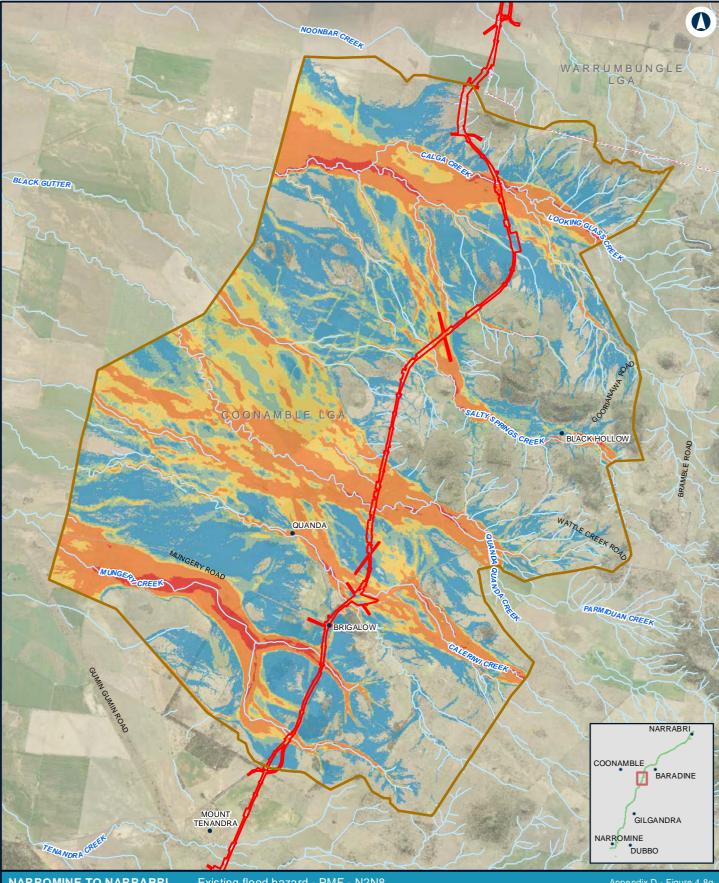
LEGEND				
		The proposal site		
		Model boundary		

- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction
- Unconditionally dangerous

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

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1

Existing flood hazard - PMF - N2N8

0 Km E Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA 20ne ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map. Date: 10/08/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:100,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people

LEGEND

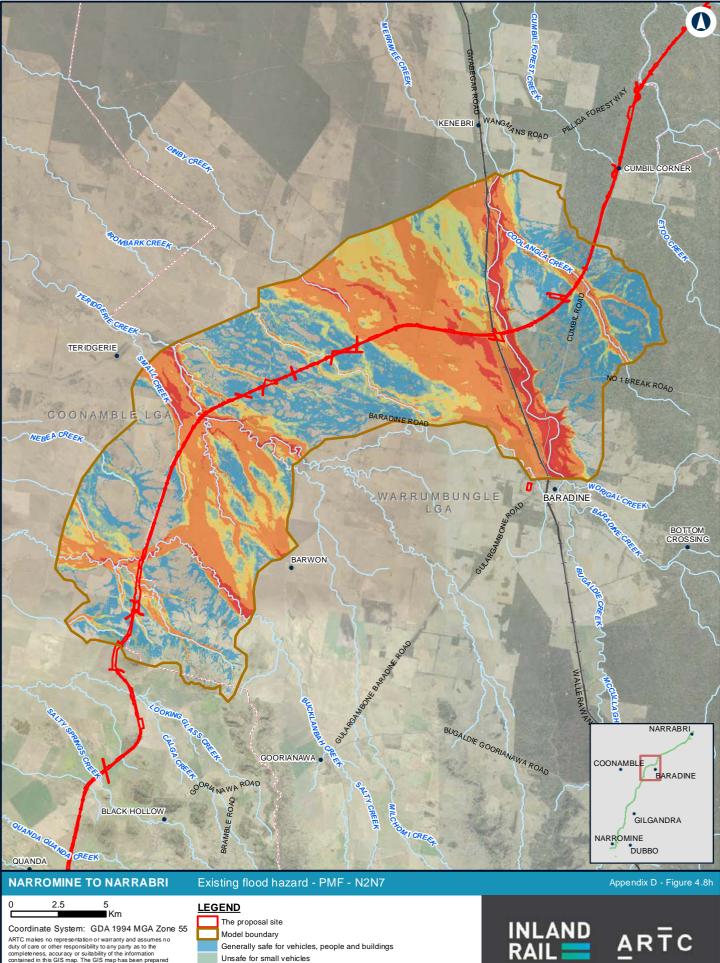
Unsafe for all people and all vehicles. Buildings require special engineering design and construction

Unconditionally dangerous

Appendix D - Figure 4.8g



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Coordinate System: GDA 1994 MIGA Zone 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.

engineering design and construction Date: 10/08/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:200,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD Unconditionally dangerous

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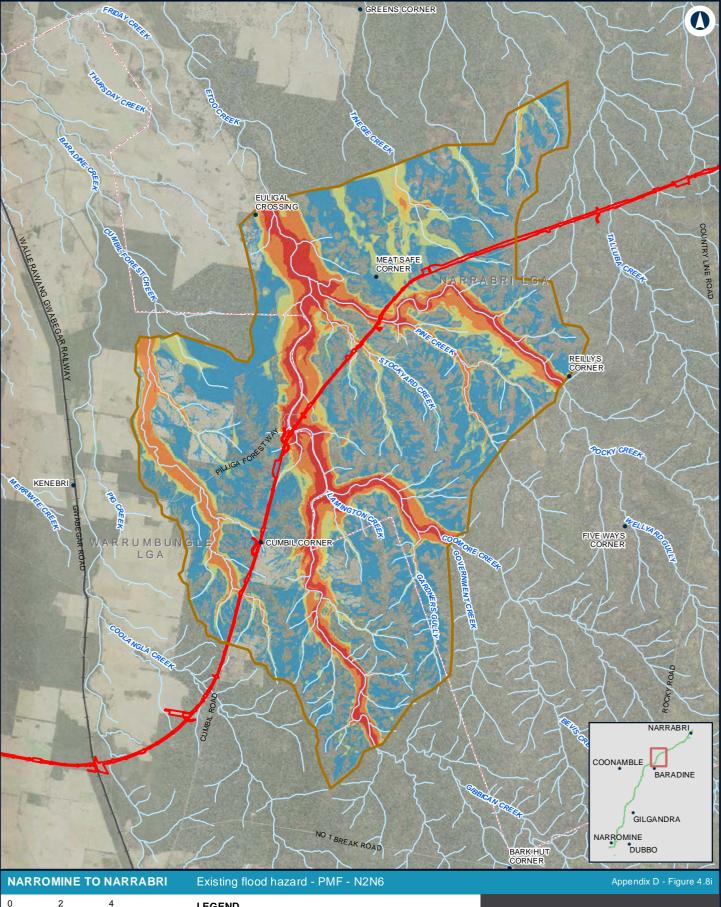
Unsafe for small vehicles

Generally safe for vehicles, people and buildings

Unsafe for all people and all vehicles. Buildings require special

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Unsafe for vehicles, children and the elderly Unsafe for vehicles and people



Km Coordinate System: GDA 1994 MGA Zone 55 ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.

LEGEND The proposal site

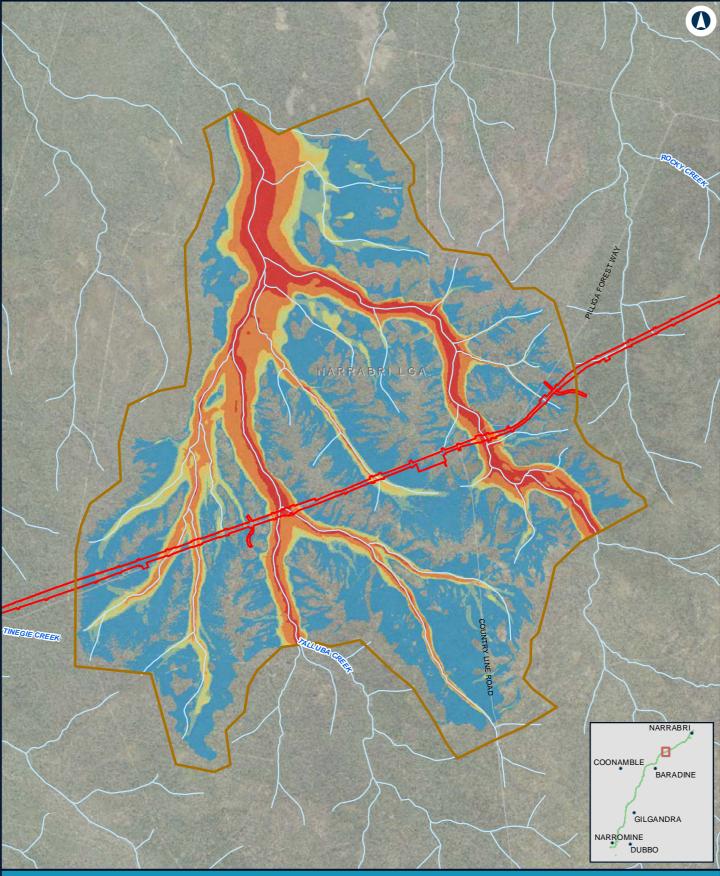
- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction

Unconditionally dangerous

Date: 10/08/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:150,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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2

1

0

Existing flood hazard - PMF - N2N5

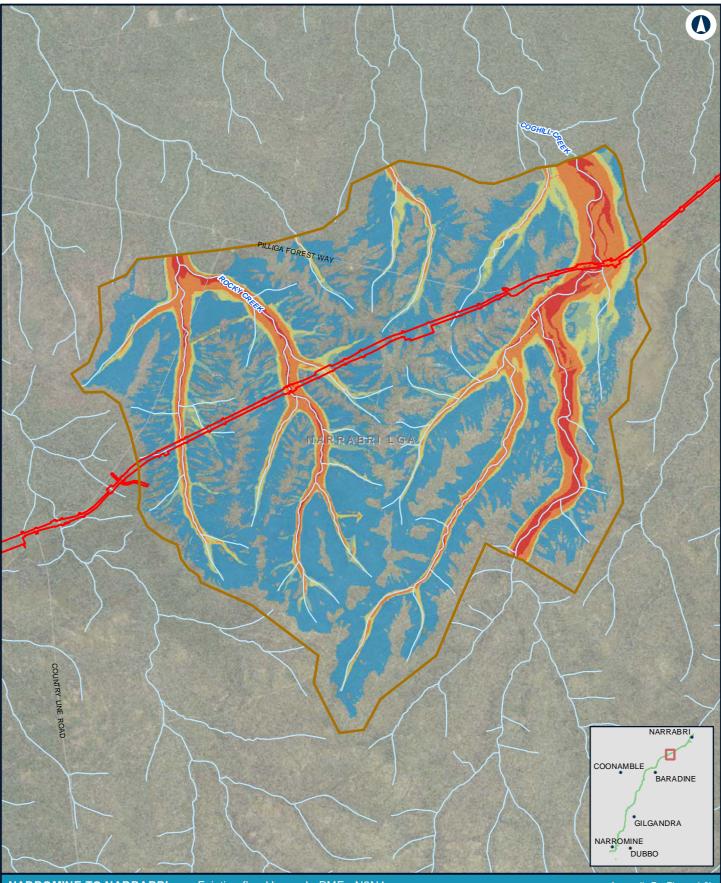
Unconditionally dangerous

E Km Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map. Date: 10/08/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:70,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

LEGEND The proposal site Model boundary Generally safe for vehicles, people and buildings Unsafe for small vehicles Unsafe for vehicles, children and the elderly Unsafe for vehicles and people Unsafe for all people and all vehicles. Buildings require special engineering design and construction



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Existing flood hazard - PMF - N2N4

0	1	2 ■ Km		
Coordinate System: GDA 1994 MGA Zone 55 ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or subality 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 subability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.				
Date: 10/	08/2022	Paper: A4		

LEGEND The proposal site

- Model boundary
- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction

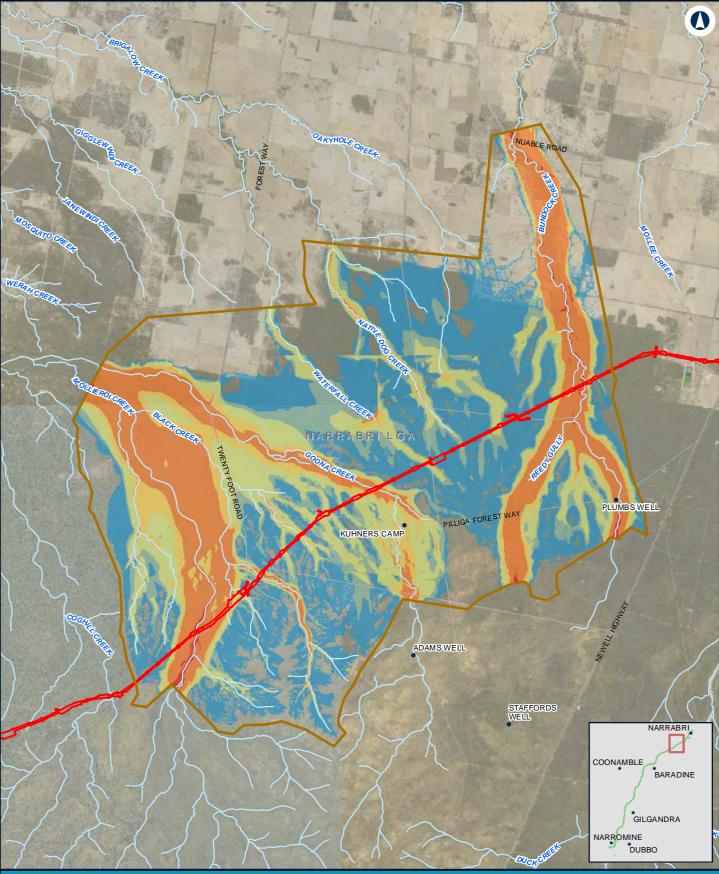
Unconditionally dangerous

Author: JacobsGHD Scale: 1:80,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD

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Appendix D - Figure 4.8k





1.5

0

Existing flood hazard - PMF - N2N23

Km E Coordinate System: GDA 1994 MGA Zone 55 Coordinate System: GDA 1994 MIGA Zone 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.

The proposal site Model boundary

LEGEND

- Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly

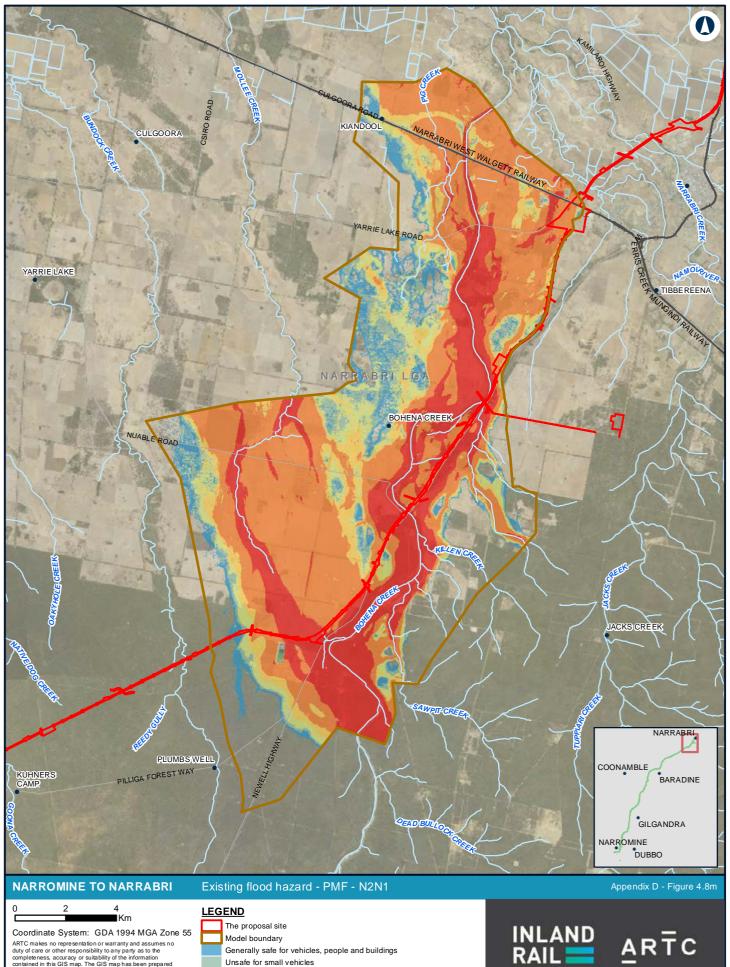
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- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction

Unconditionally dangerous

Date: 10/08/2022 Paper: A4 Unconditio Author: JacobsGHD Scale: 1:140,000 Data Sources: Basemap layers: NSWSS; all other layers: JacobsGHD







- Model boundary Generally safe for vehicles, people and buildings
- Unsafe for small vehicles
- Unsafe for vehicles, children and the elderly
- Unsafe for vehicles and people
- Unsafe for all people and all vehicles. Buildings require special engineering design and construction

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Unconditionally dangerous

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