

# APPENDIX

# D

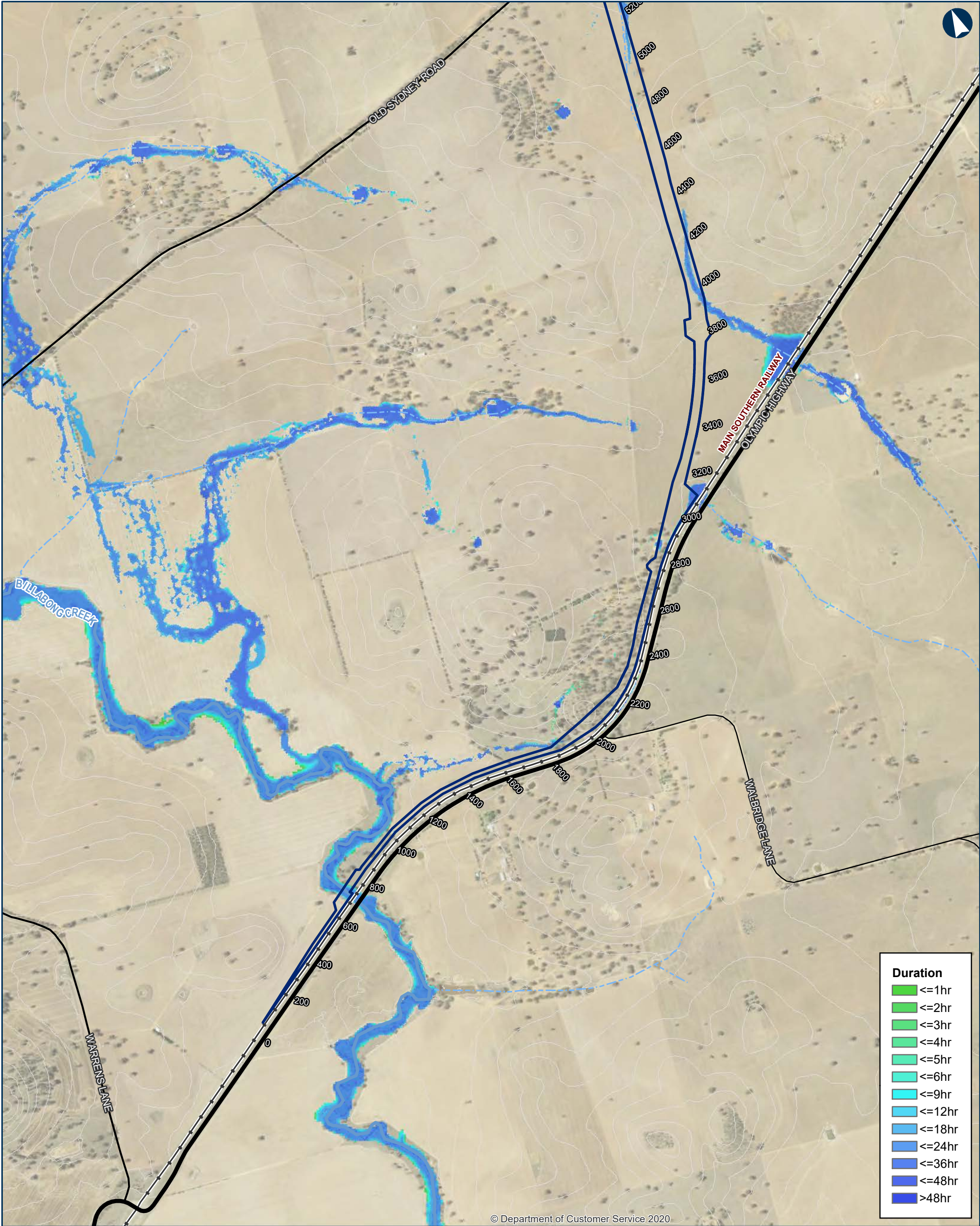
## Revised Hydrology and Flooding Impact Assessment Report

Part 3 of 7: Appendix C (2 of 2)

ILLABO TO STOCKINBINGAL RESPONSE TO SUBMISSIONS

### C.3 Flood duration





ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

Map 1 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Author: IRDJV

Data Sources: IRDJV, ARTC, LPI

Paper: A3

Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

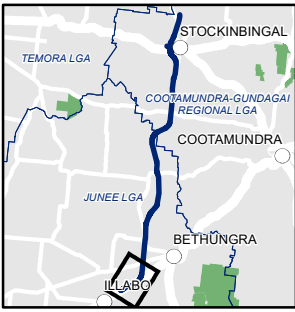
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

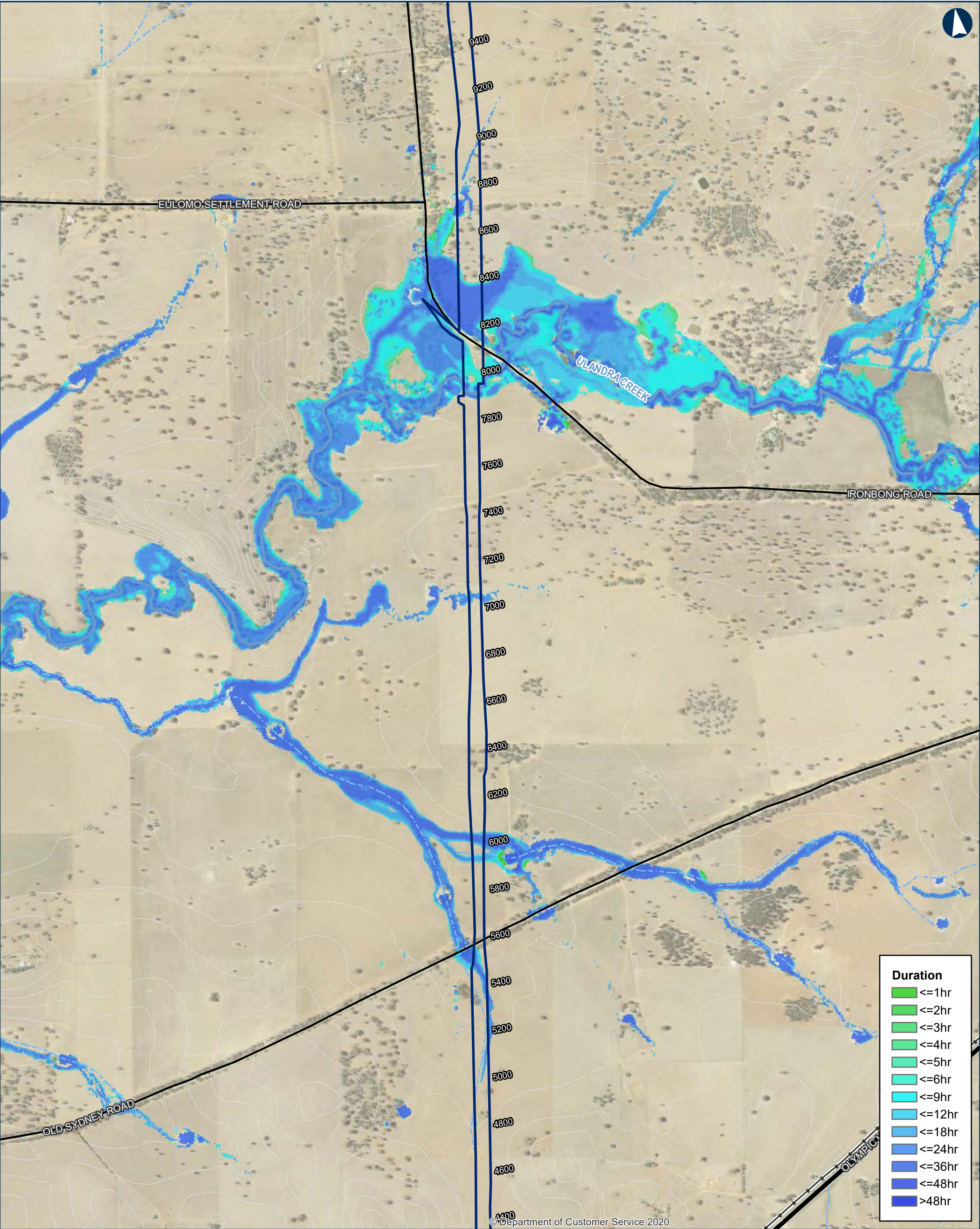
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

0200400Metres

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Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

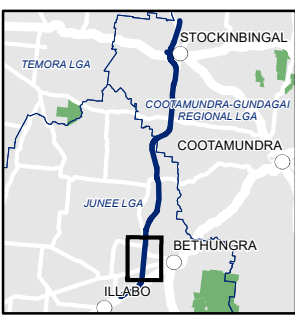
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

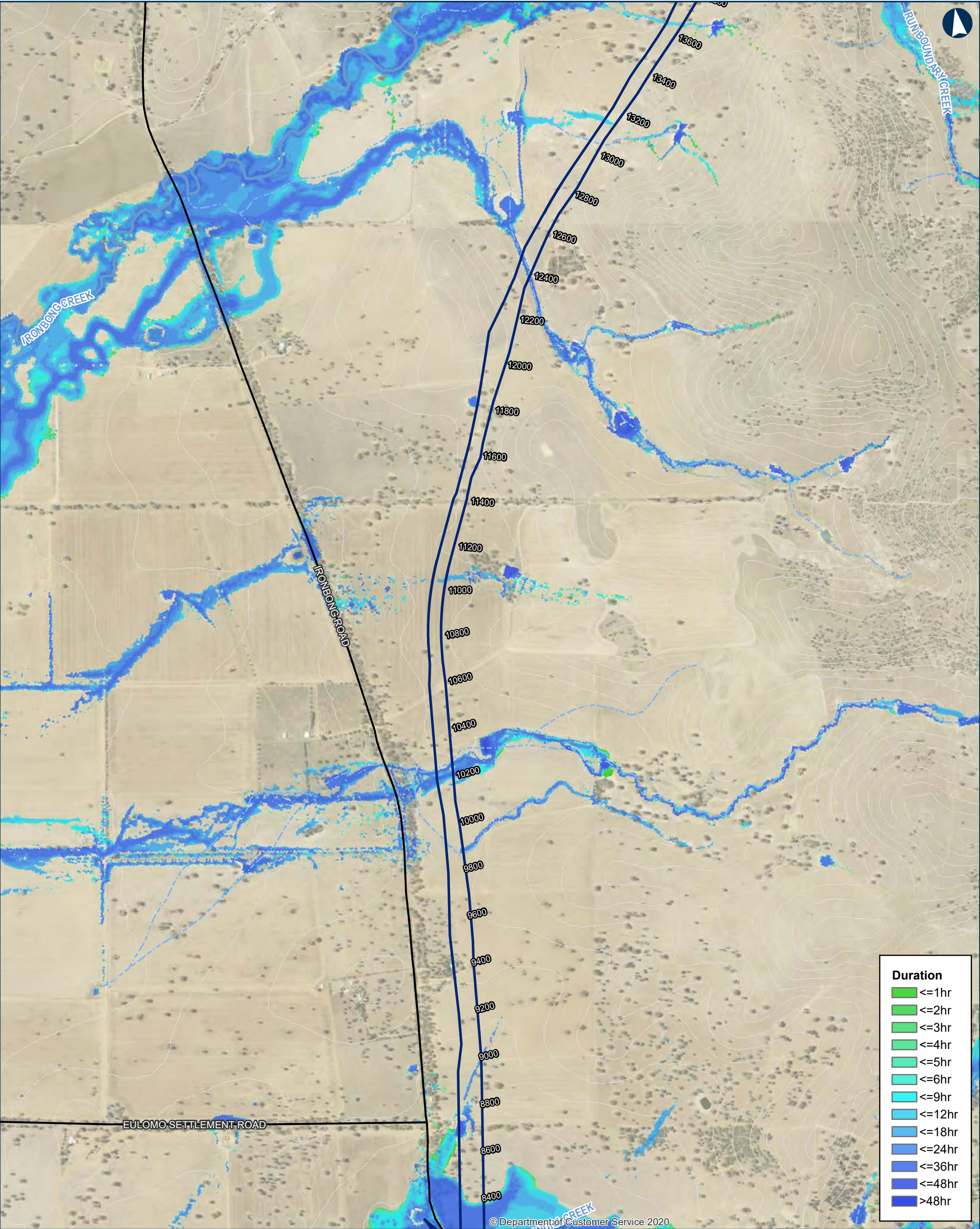
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

Map 3 of 9

0 200 400 Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

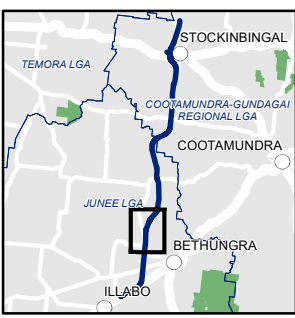
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

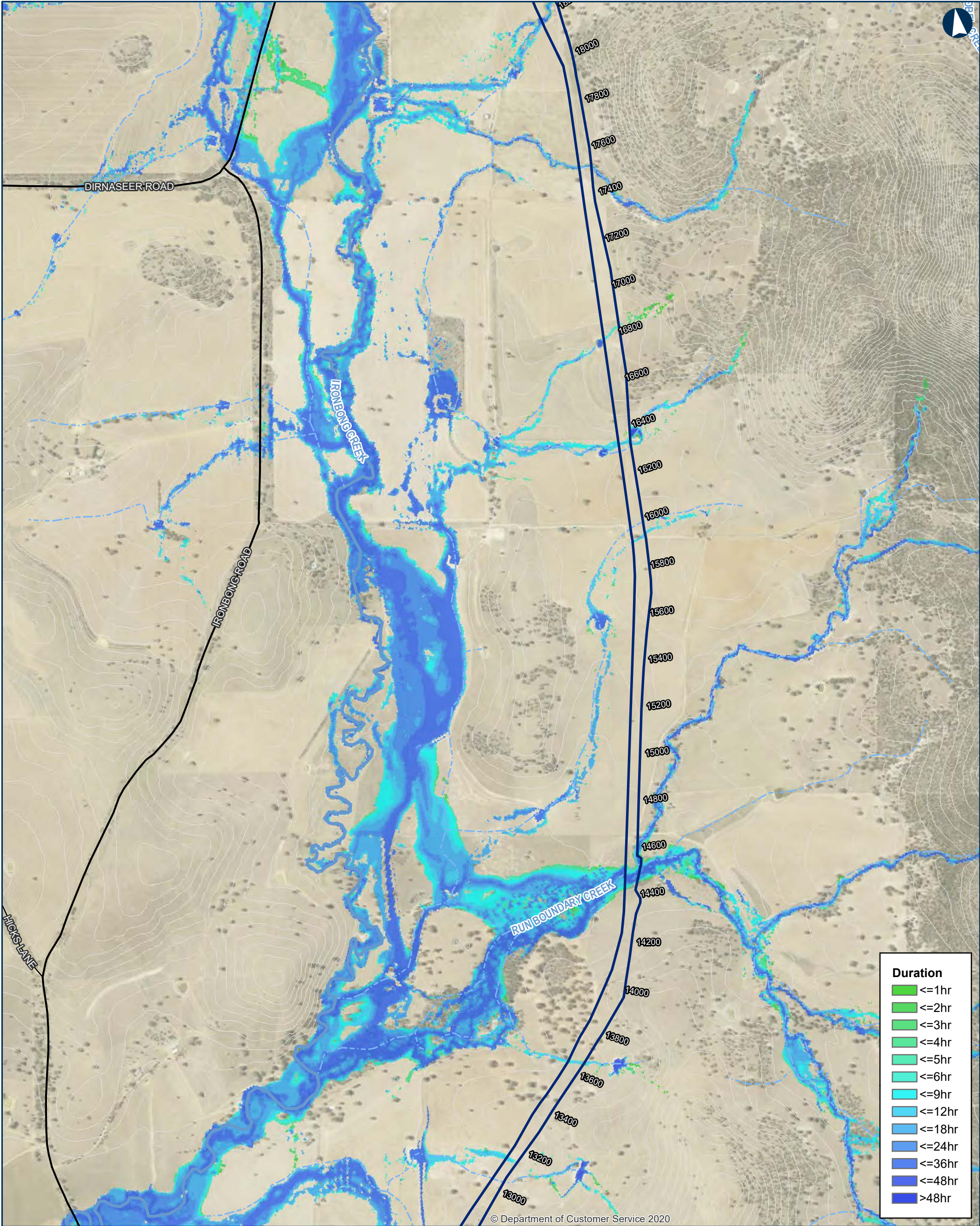
Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

Map 4 of 9

0 200 400 Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

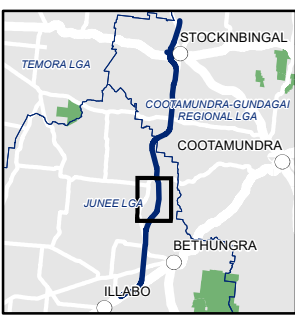
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

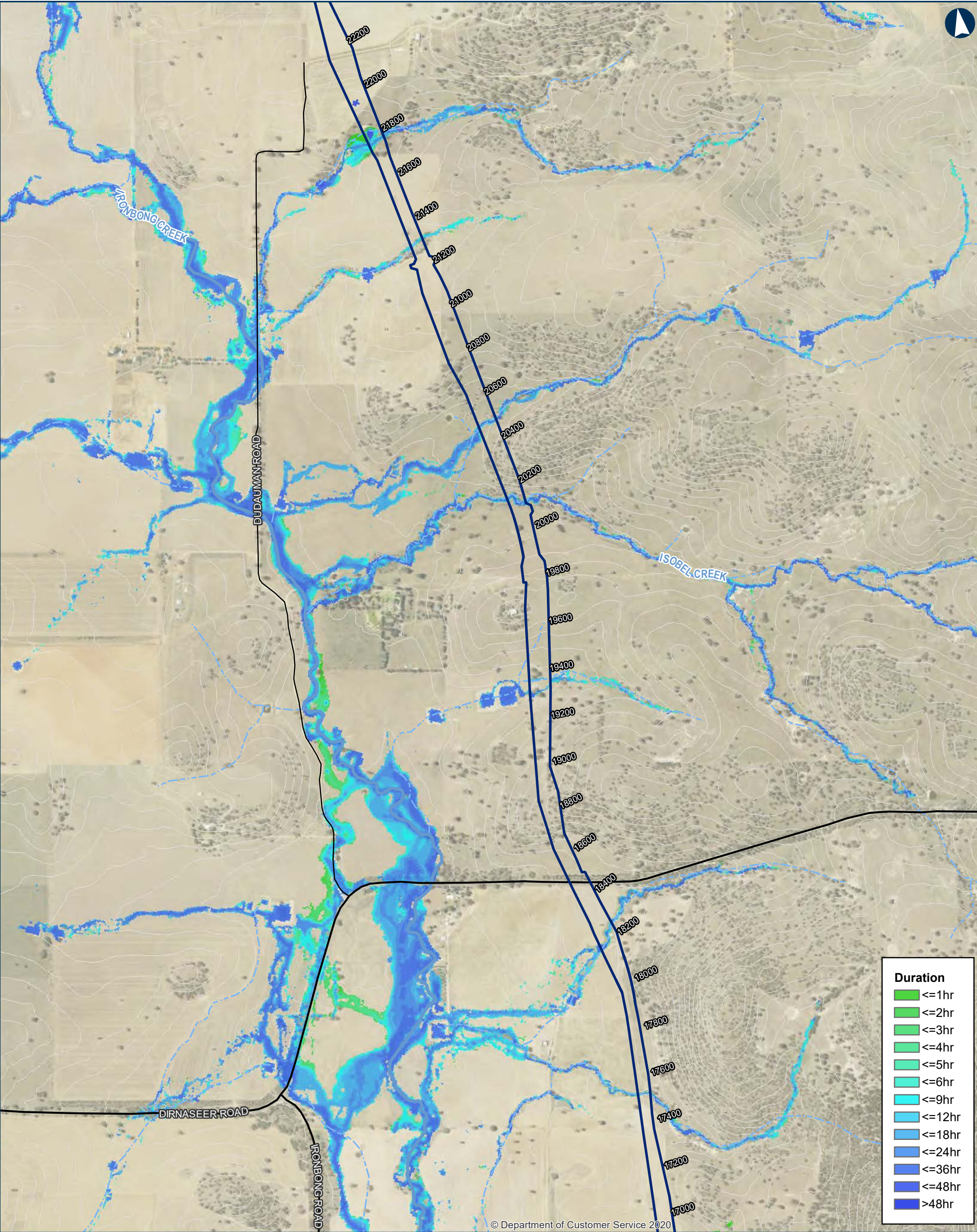
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

Map 5 of 9

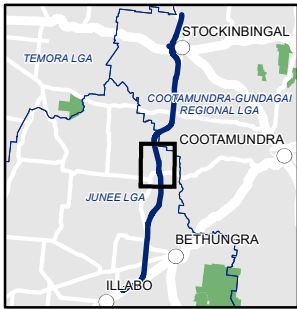
0 200 400  
Metres

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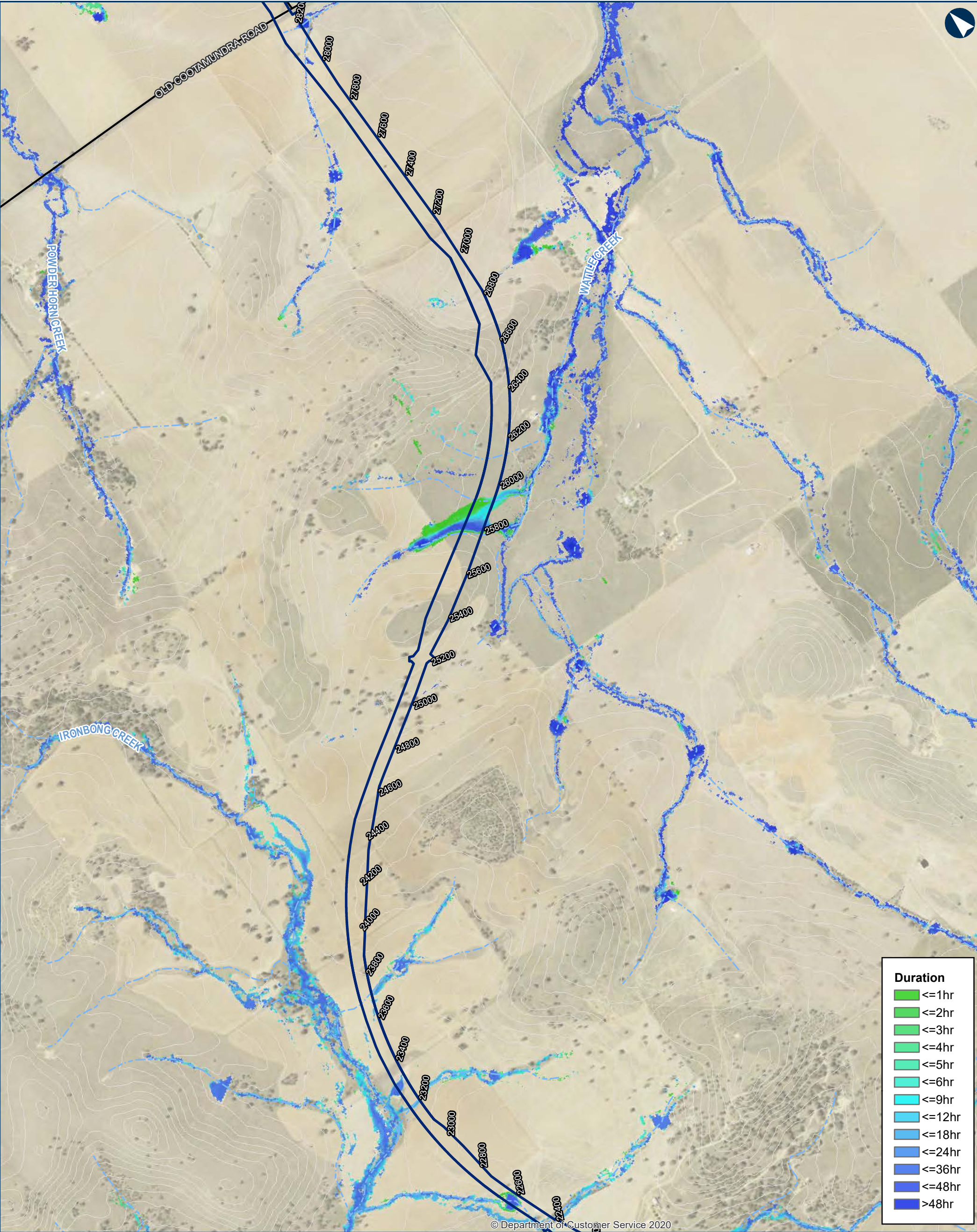
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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

Map 6 of 9

0200400Metres

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Permanent acquisition boundary

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5m Contours

Existing rail

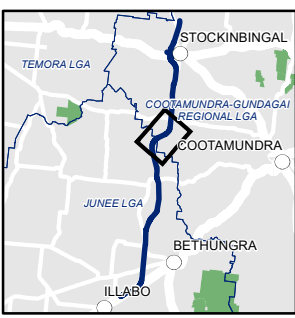
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

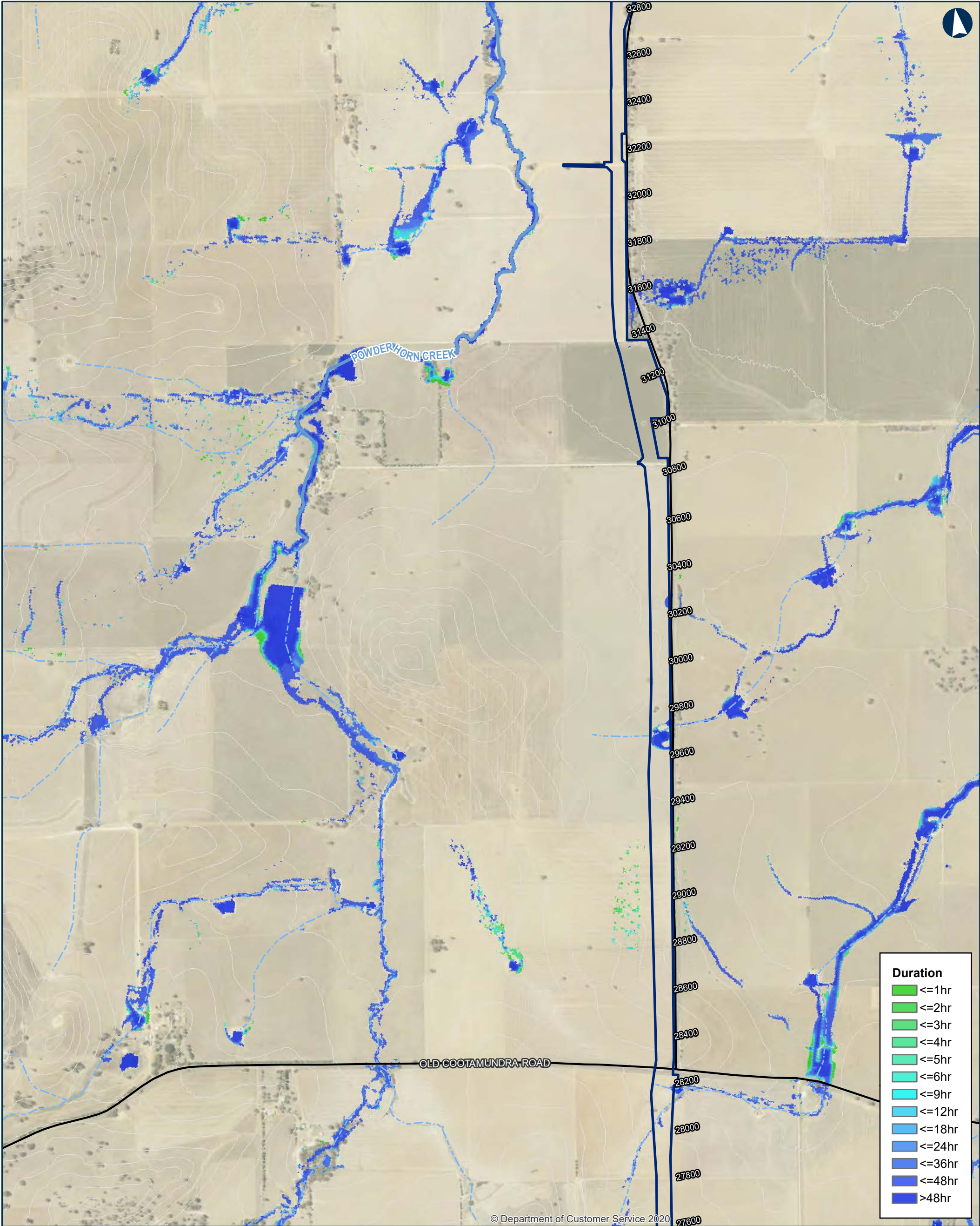
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

Map 7 of 9

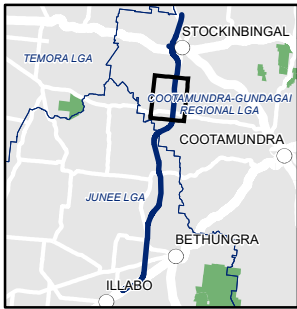
0 200 400 Metres

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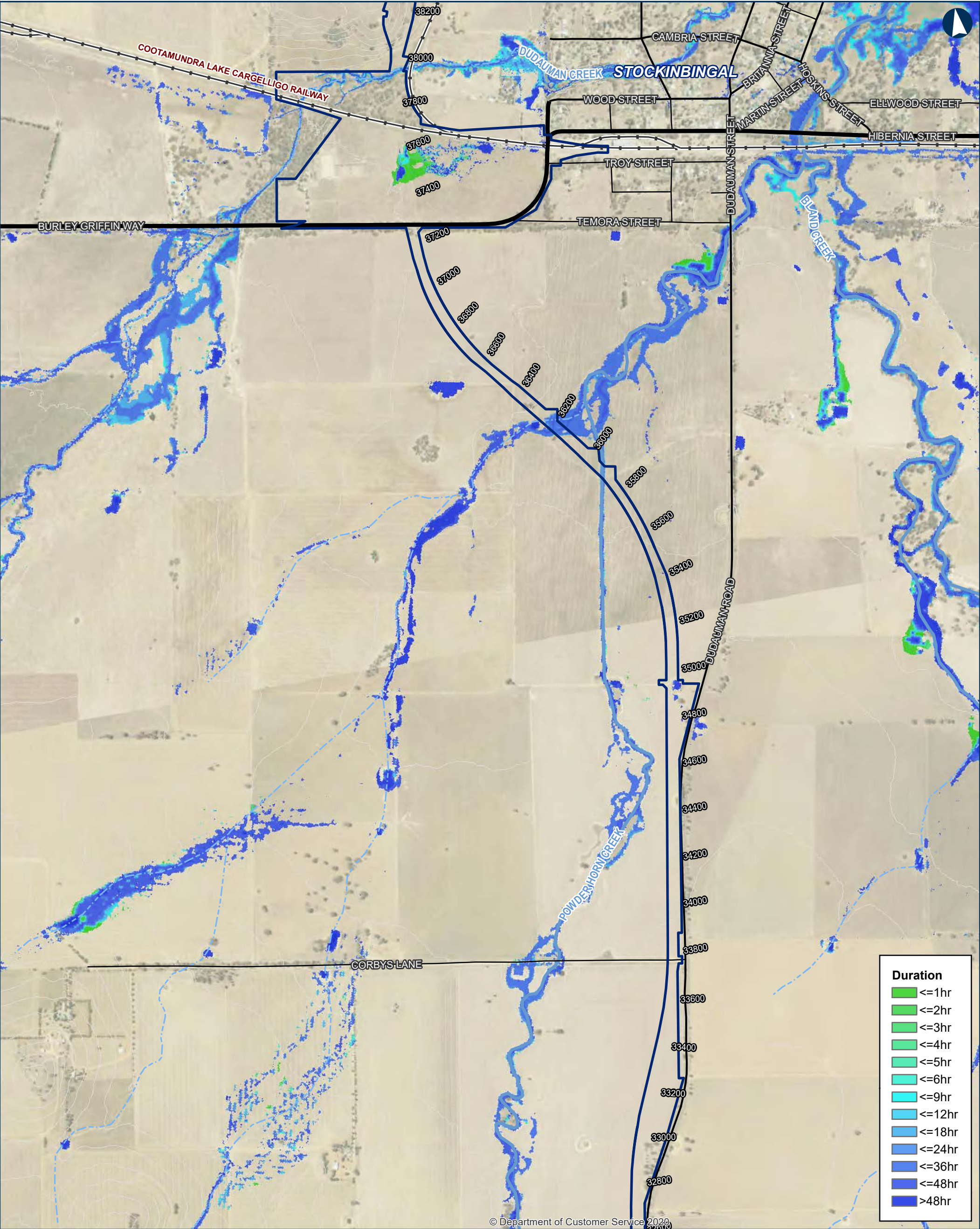
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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

Map 8 of 9

0 200 400 Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

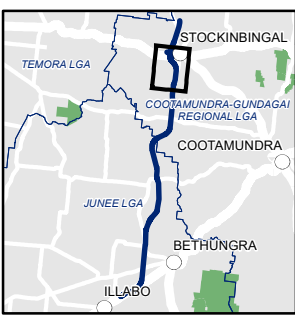
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

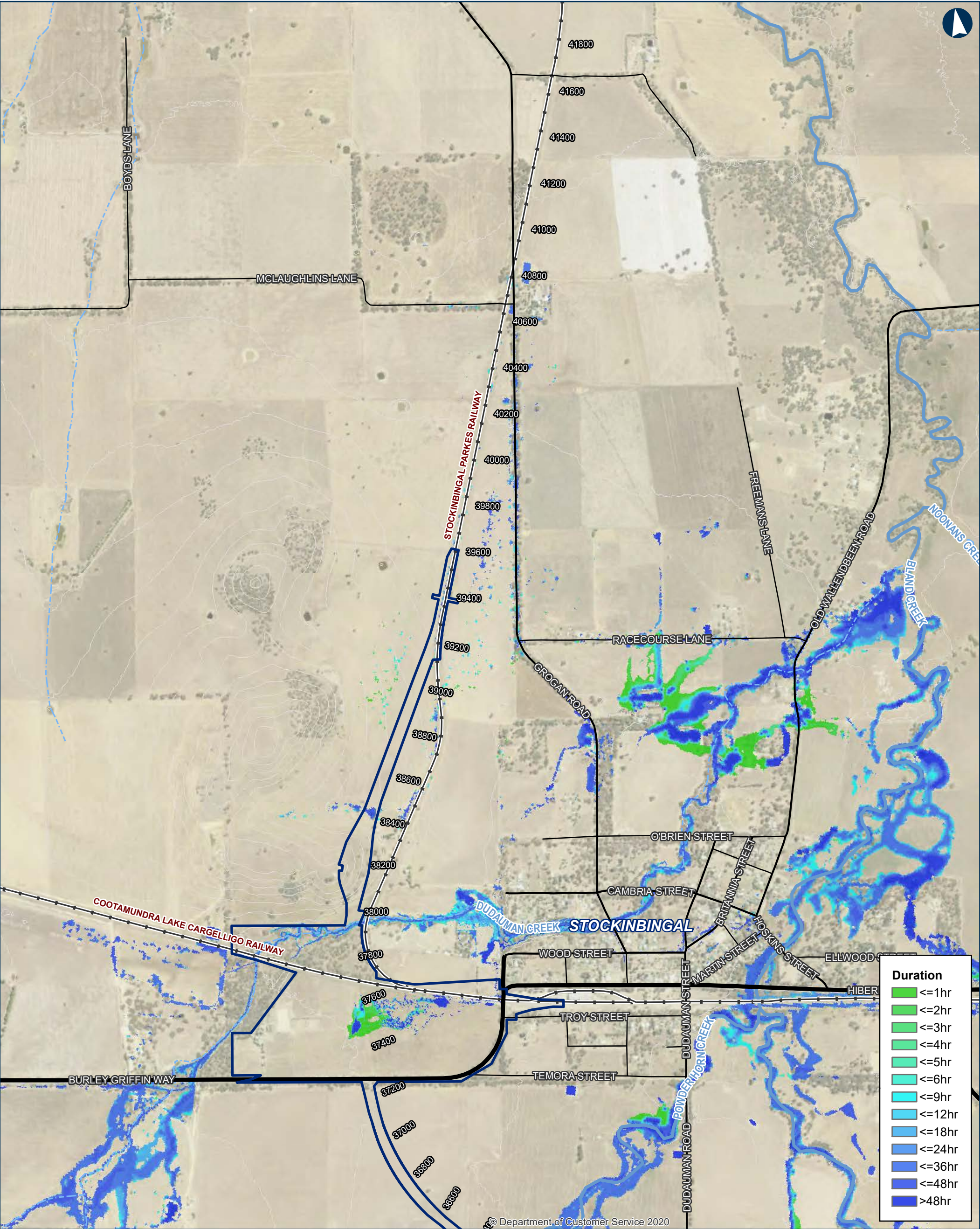
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Duration

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5m Contours

Existing rail

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Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

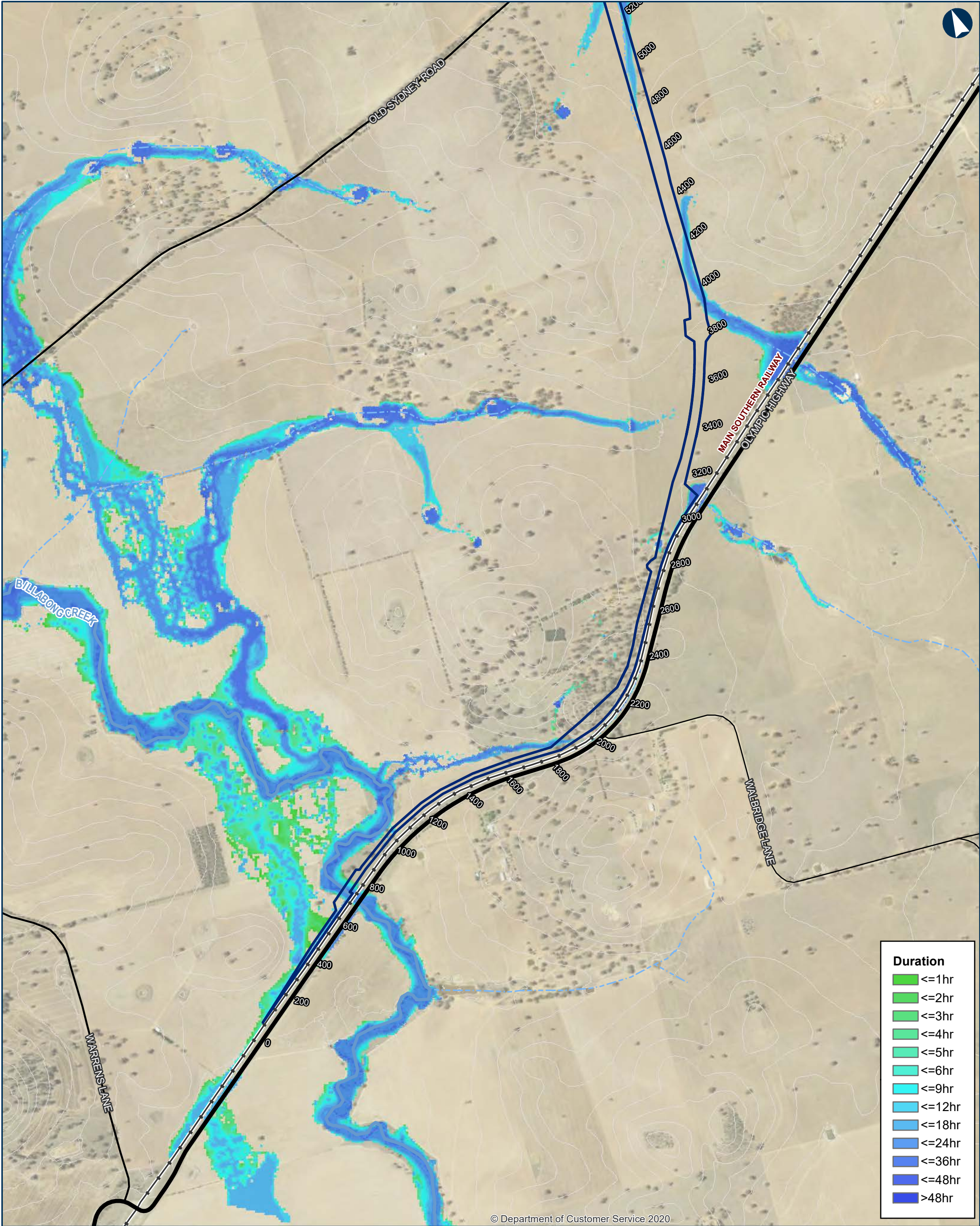
Arterial road



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Duration	
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<span style="color: green;">■</span>	≤2hr
<span style="color: green;">■</span>	≤3hr
<span style="color: green;">■</span>	≤4hr
<span style="color: green;">■</span>	≤5hr
<span style="color: cyan;">■</span>	≤6hr
<span style="color: cyan;">■</span>	≤9hr
<span style="color: cyan;">■</span>	≤12hr
<span style="color: blue;">■</span>	≤18hr
<span style="color: blue;">■</span>	≤24hr
<span style="color: blue;">■</span>	≤36hr
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<span style="color: blue;">■</span>	>48hr

ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Duration

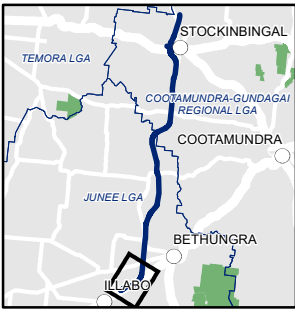
Map 1 of 9


0 200 400  
Metres

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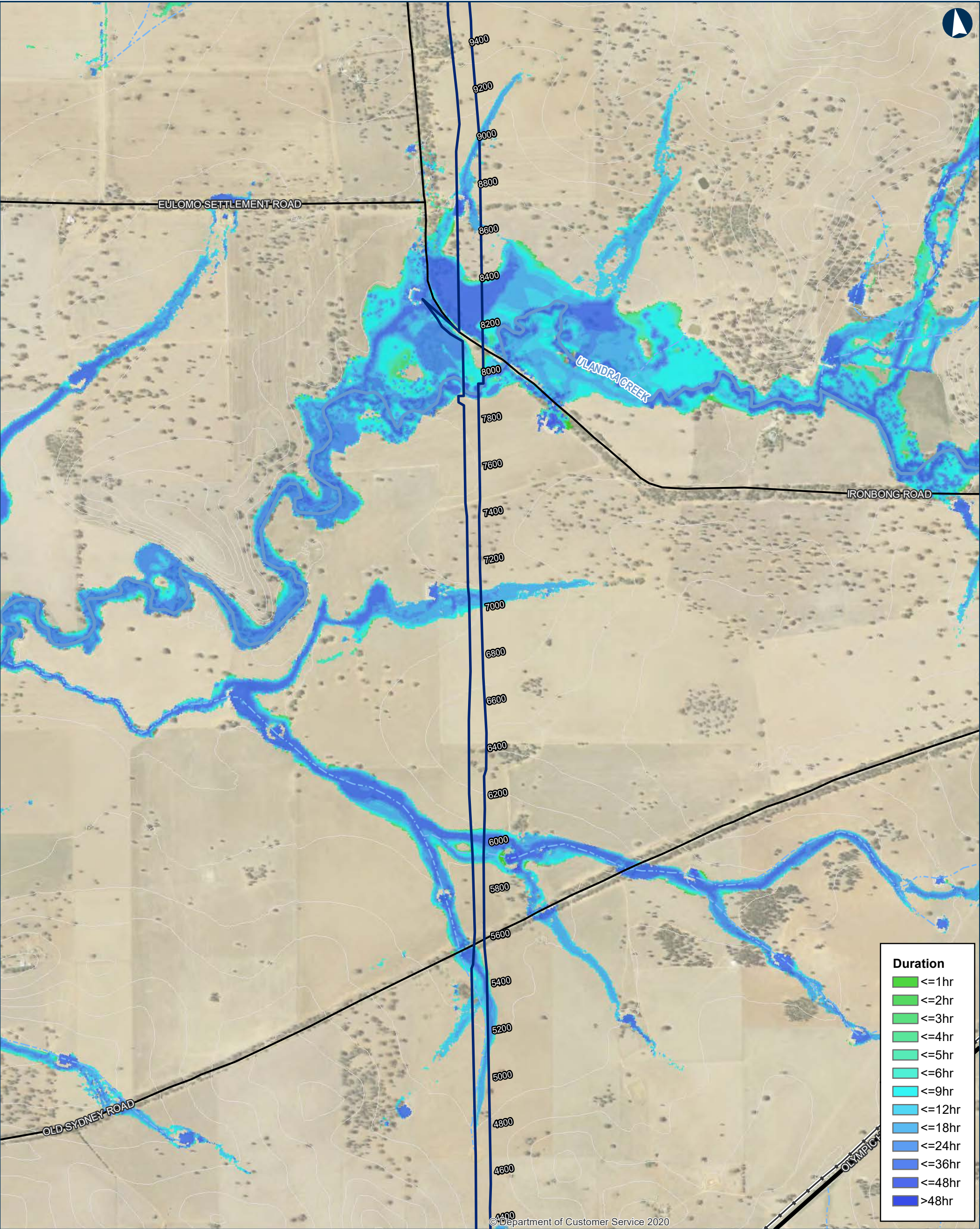
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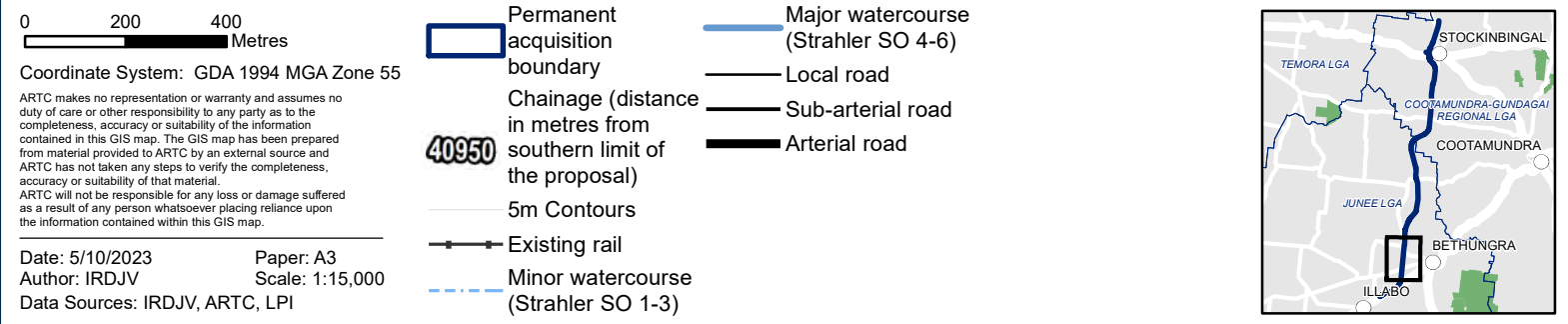
INLAND RAIL  ARTC

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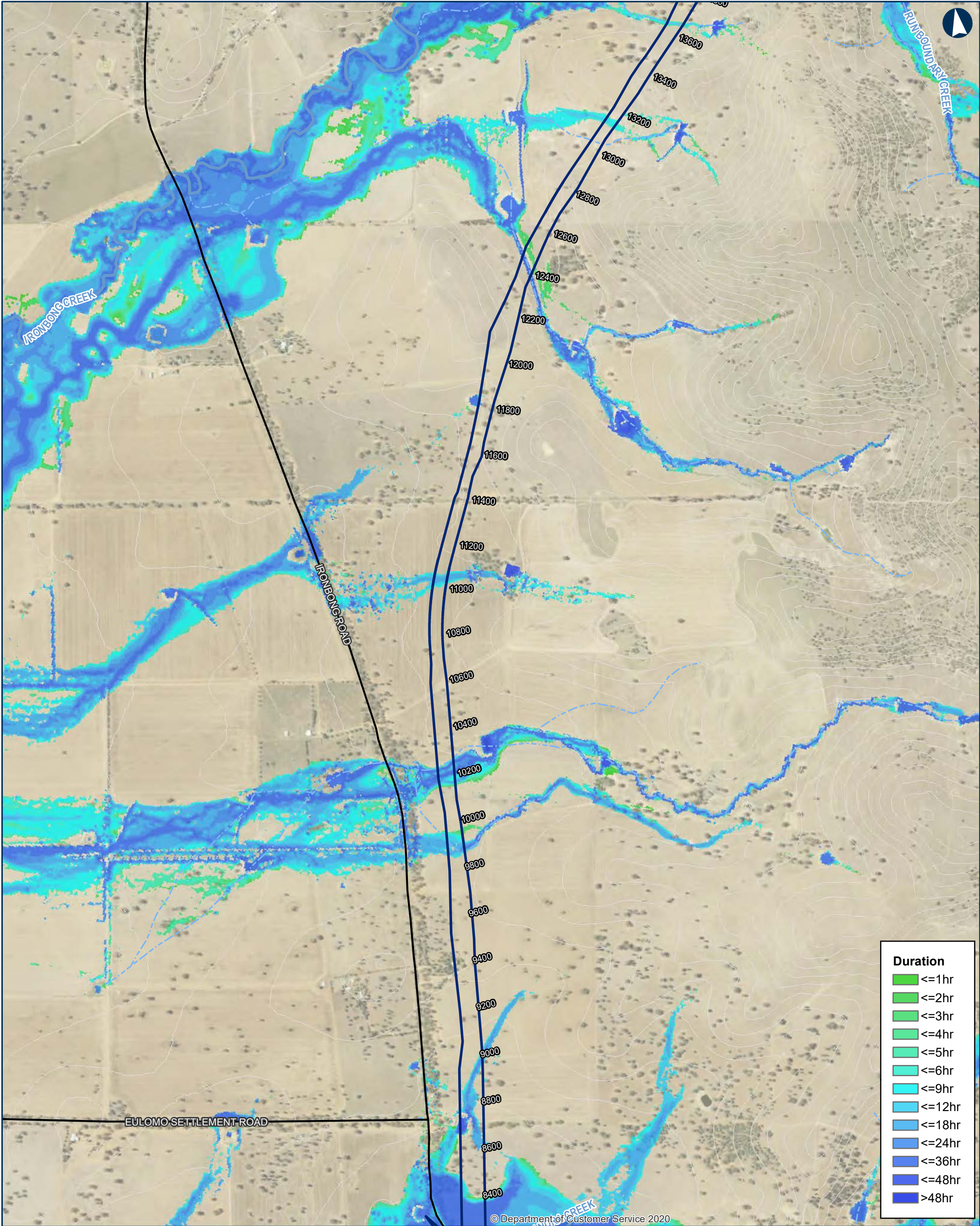
ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Duration



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Duration

0200400Metres

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5m Contours

Existing rail

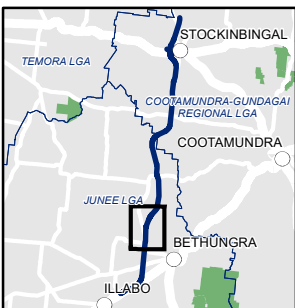
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

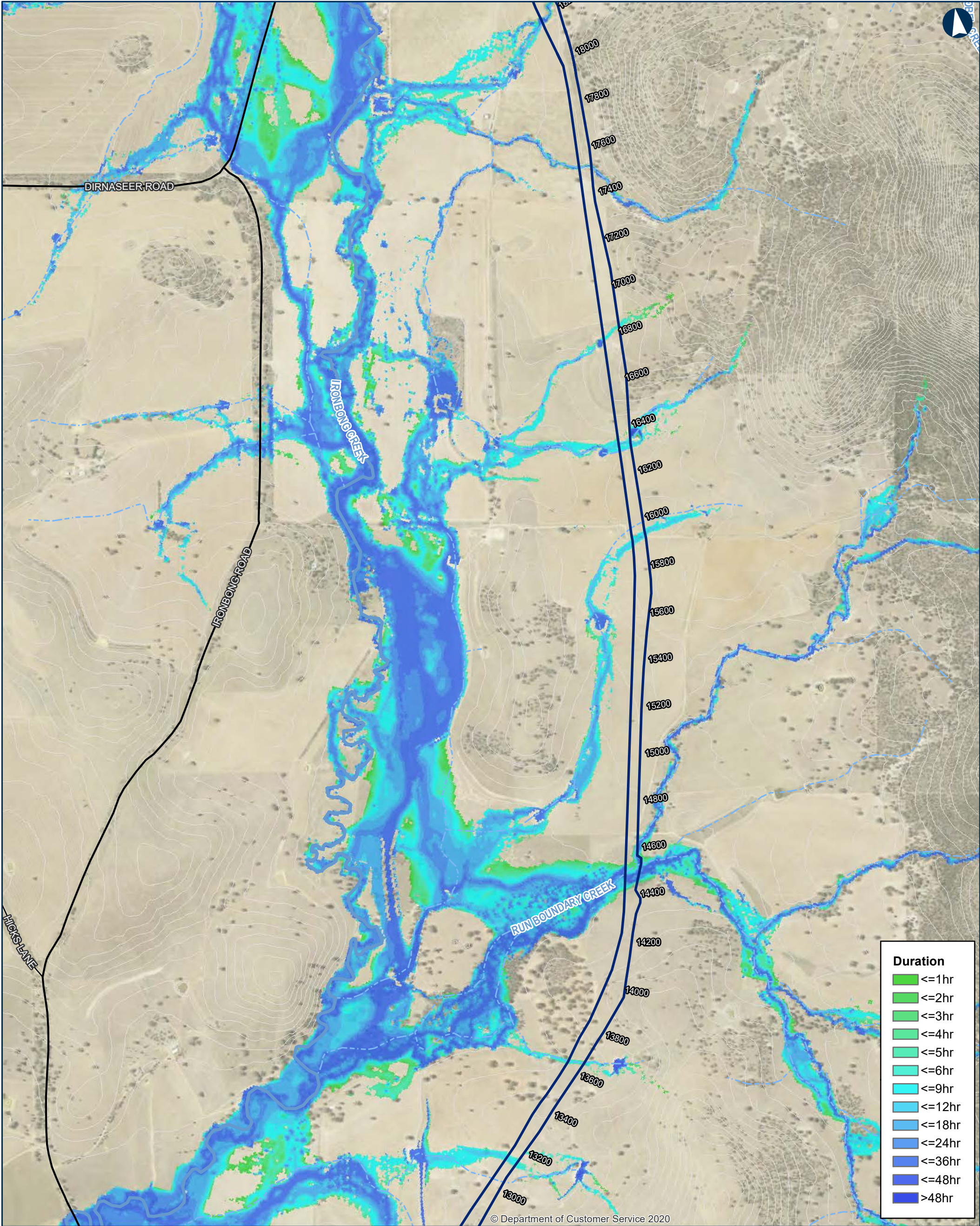
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Duration

Map 4 of 9

0200400Metres

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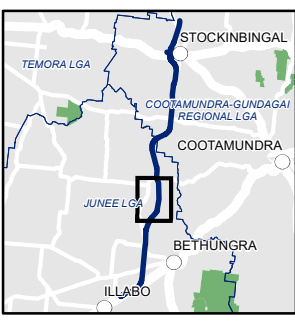
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Major watercourse (Strahler SO 4-6)

Local road

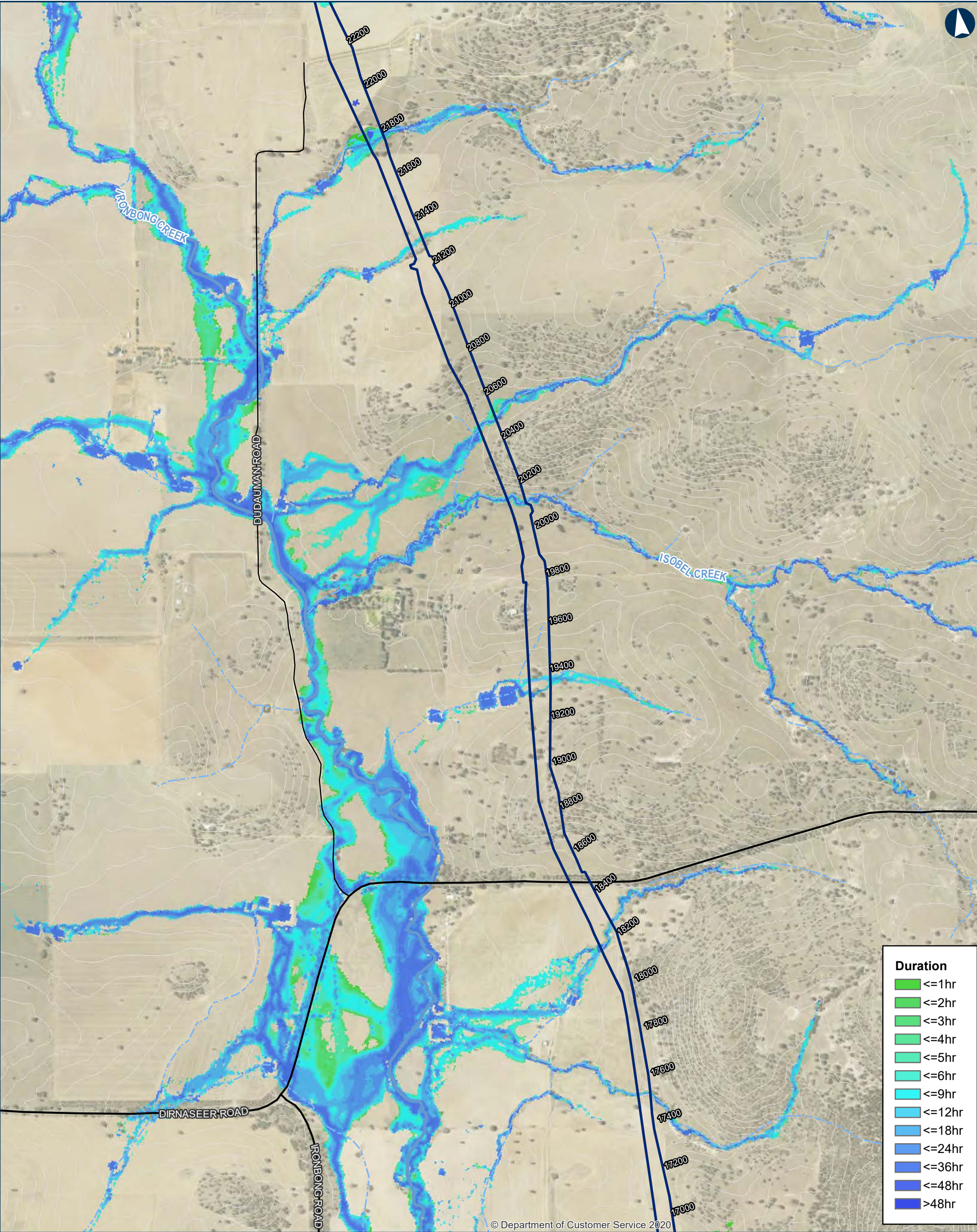
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Duration

Map 5 of 9

0 200 400 Metres

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40950

5m Contours

Existing rail

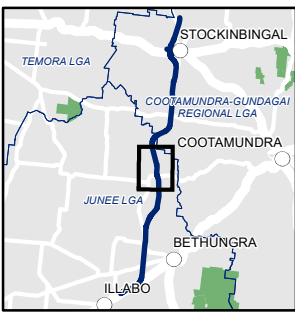
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Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

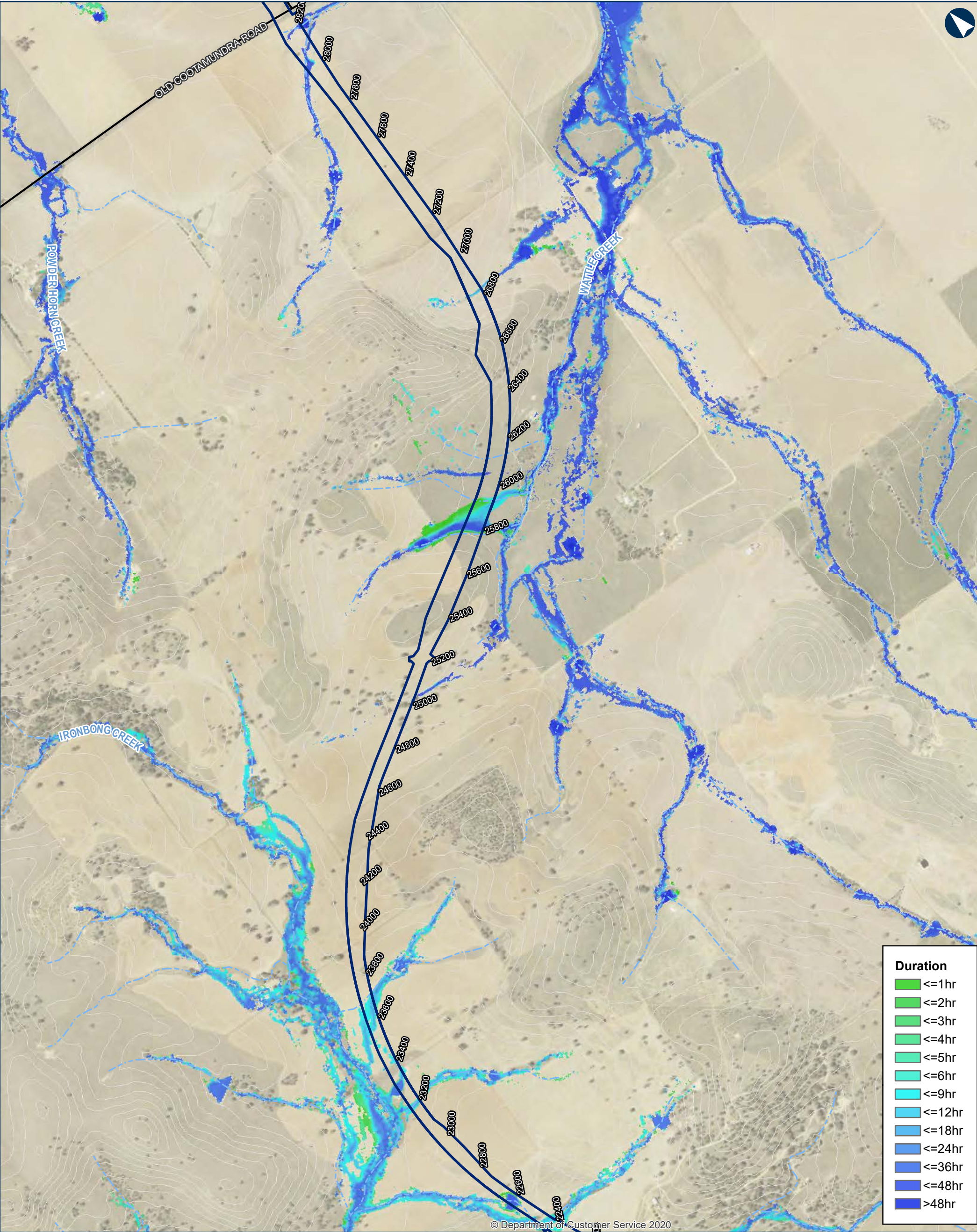
Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Duration

Map 6 of 9

0200400Metres

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Existing rail

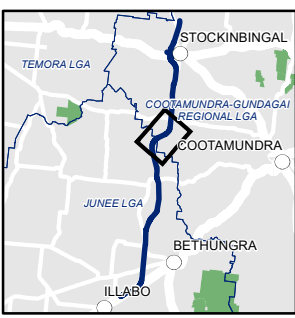
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Major watercourse (Strahler SO 4-6)

Local road

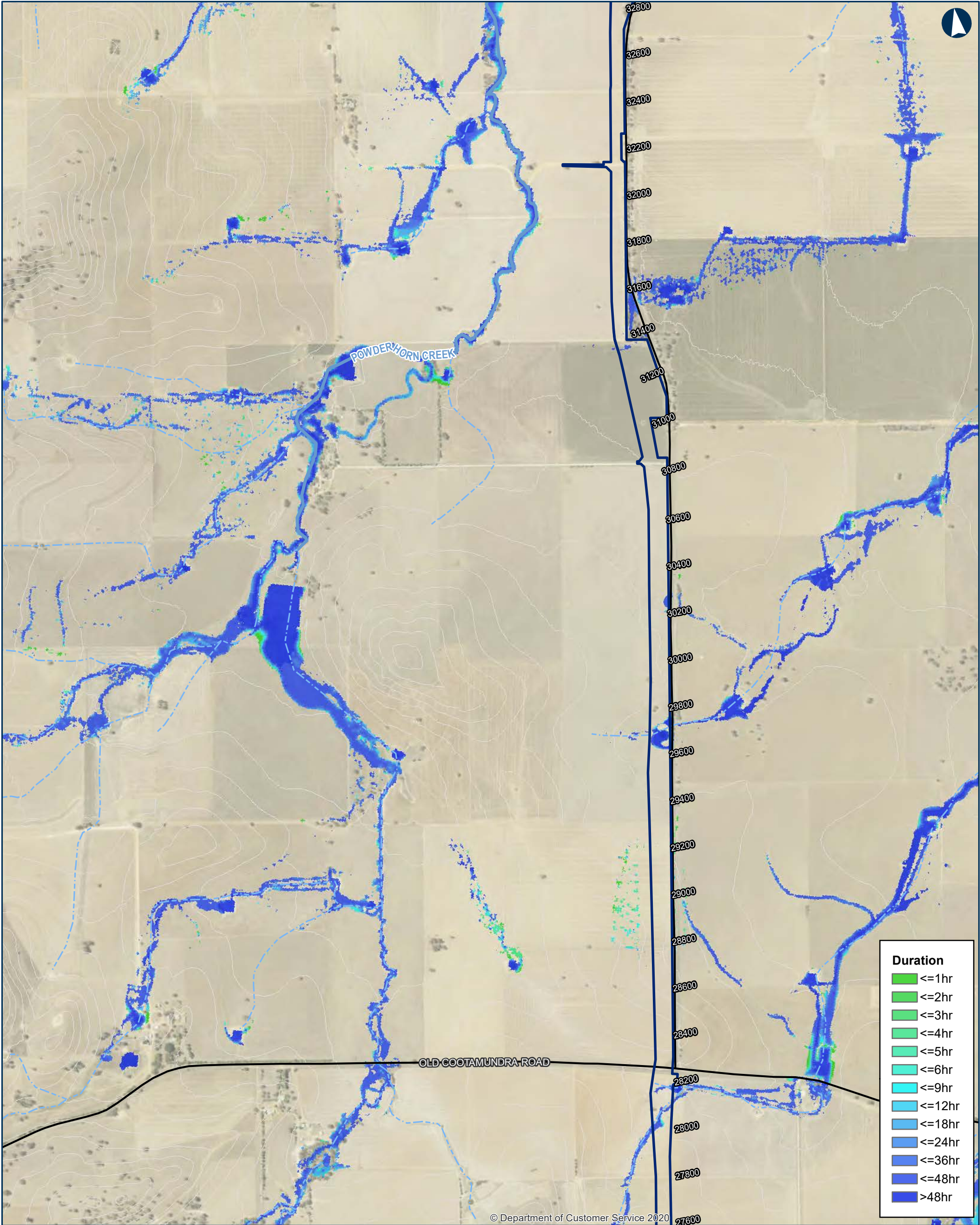
Sub-arterial road

Arterial road



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40950

5m Contours

Existing rail

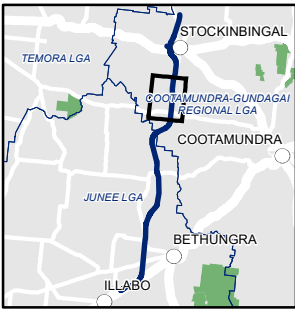
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Major watercourse (Strahler SO 4-6)

Local road

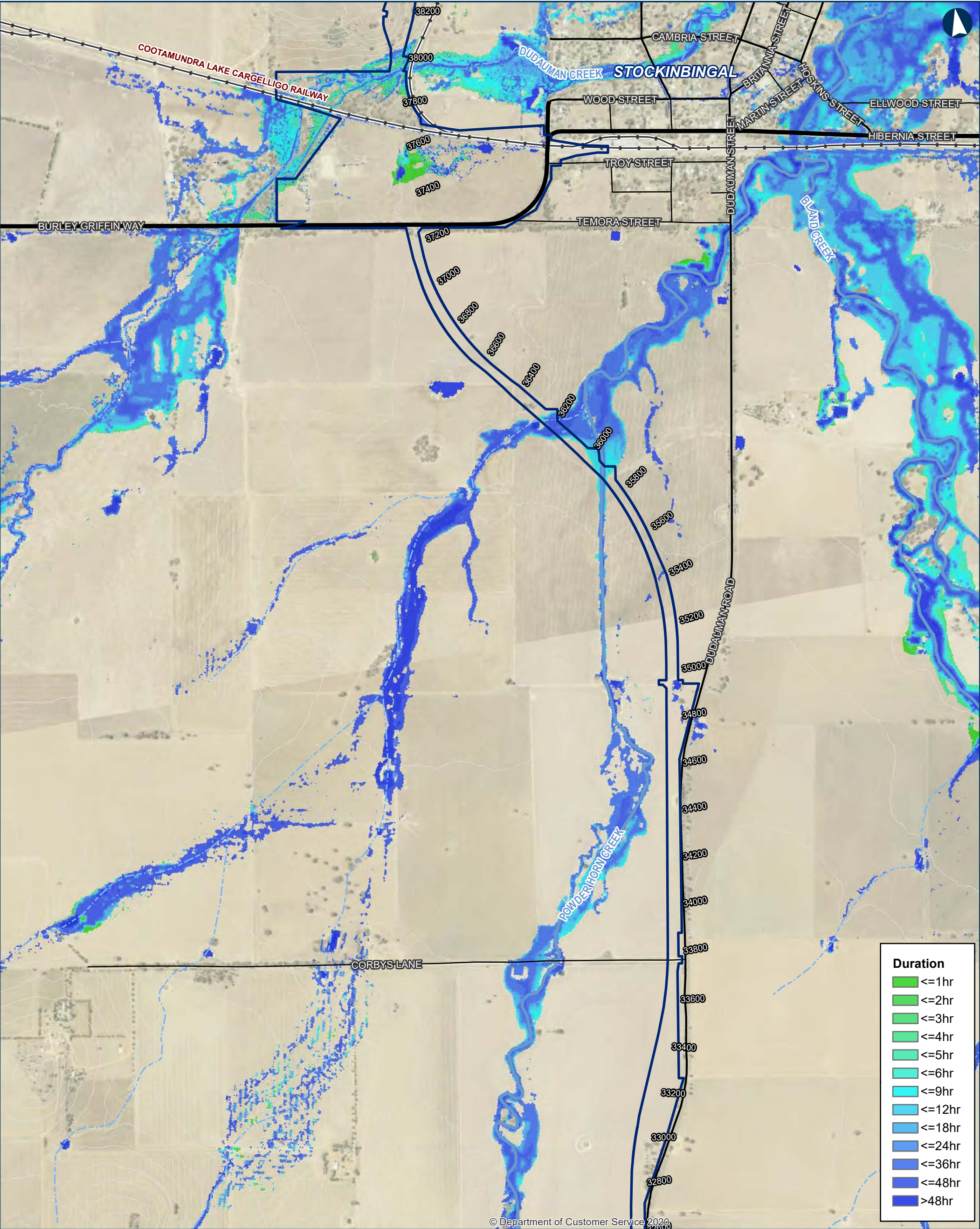
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Duration

Map 8 of 9

0200400Metres

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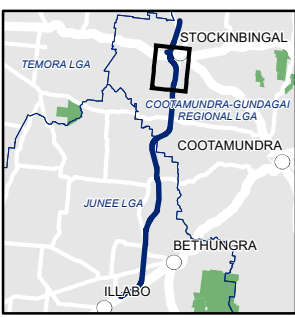
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Local road

Sub-arterial road

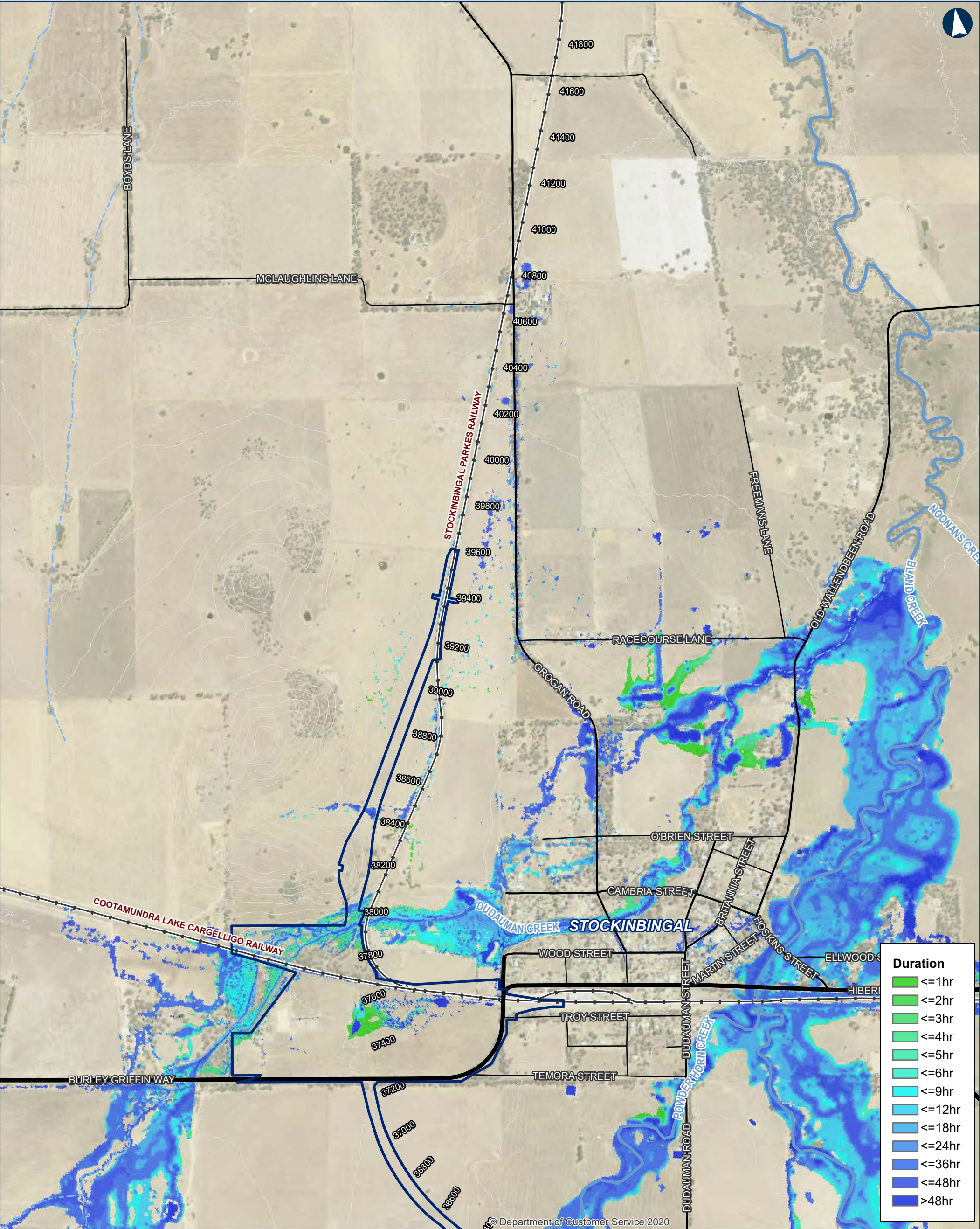
Arterial road



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0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

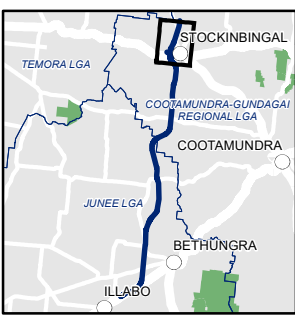
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

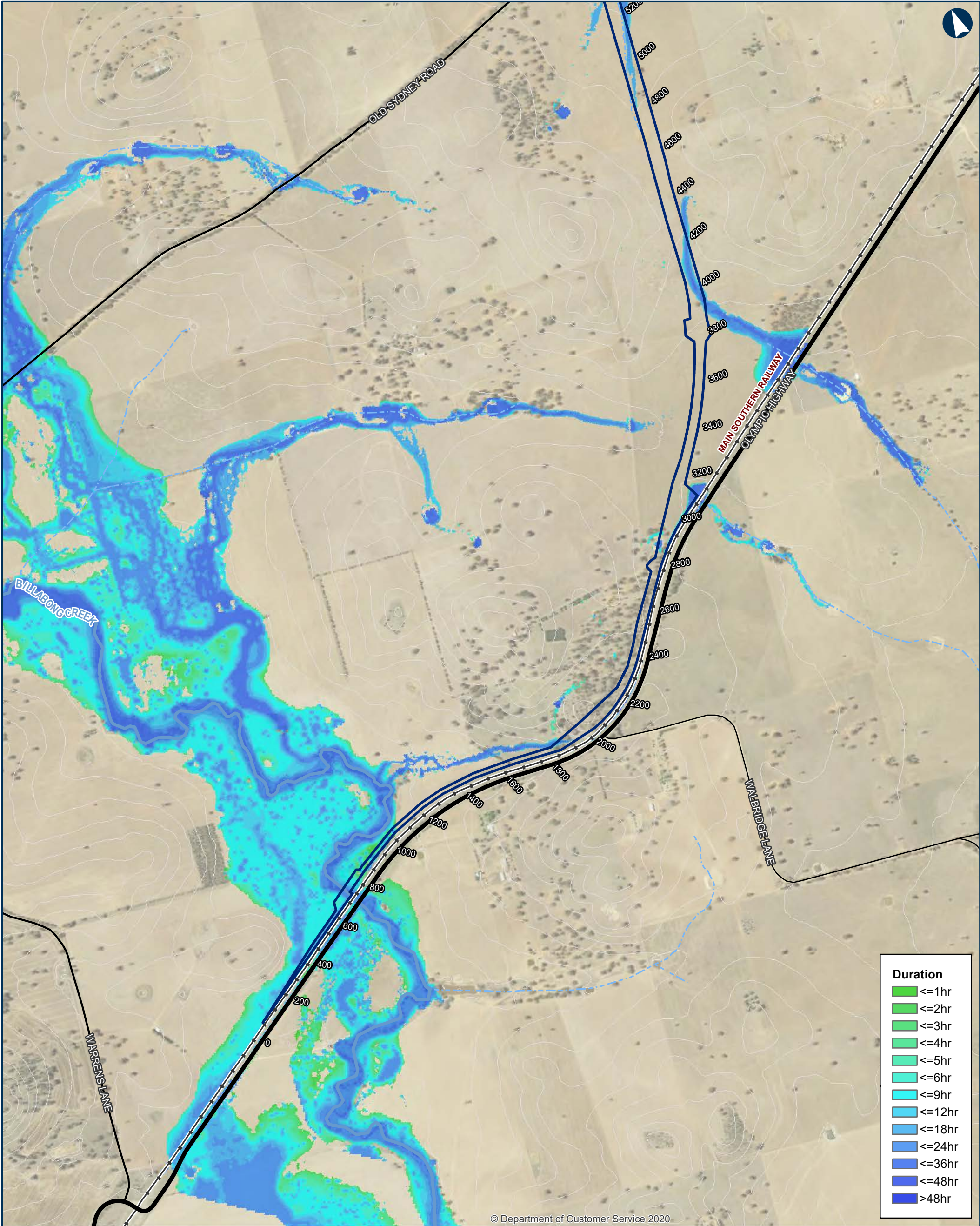
Arterial road



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Duration	
	≤1hr
	≤2hr
	≤3hr
	≤4hr
	≤5hr
	≤6hr
	≤9hr
	≤12hr
	≤18hr
	≤24hr
	≤36hr
	≤48hr
	>48hr

ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Duration

Map 1 of 9

0 200 400  
Metres

Coordinate System: GDA 1994 MGA Zone 55

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

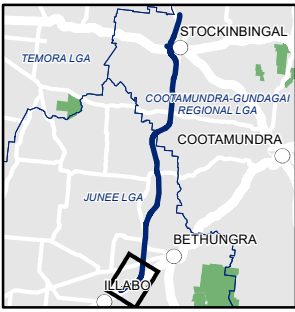
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

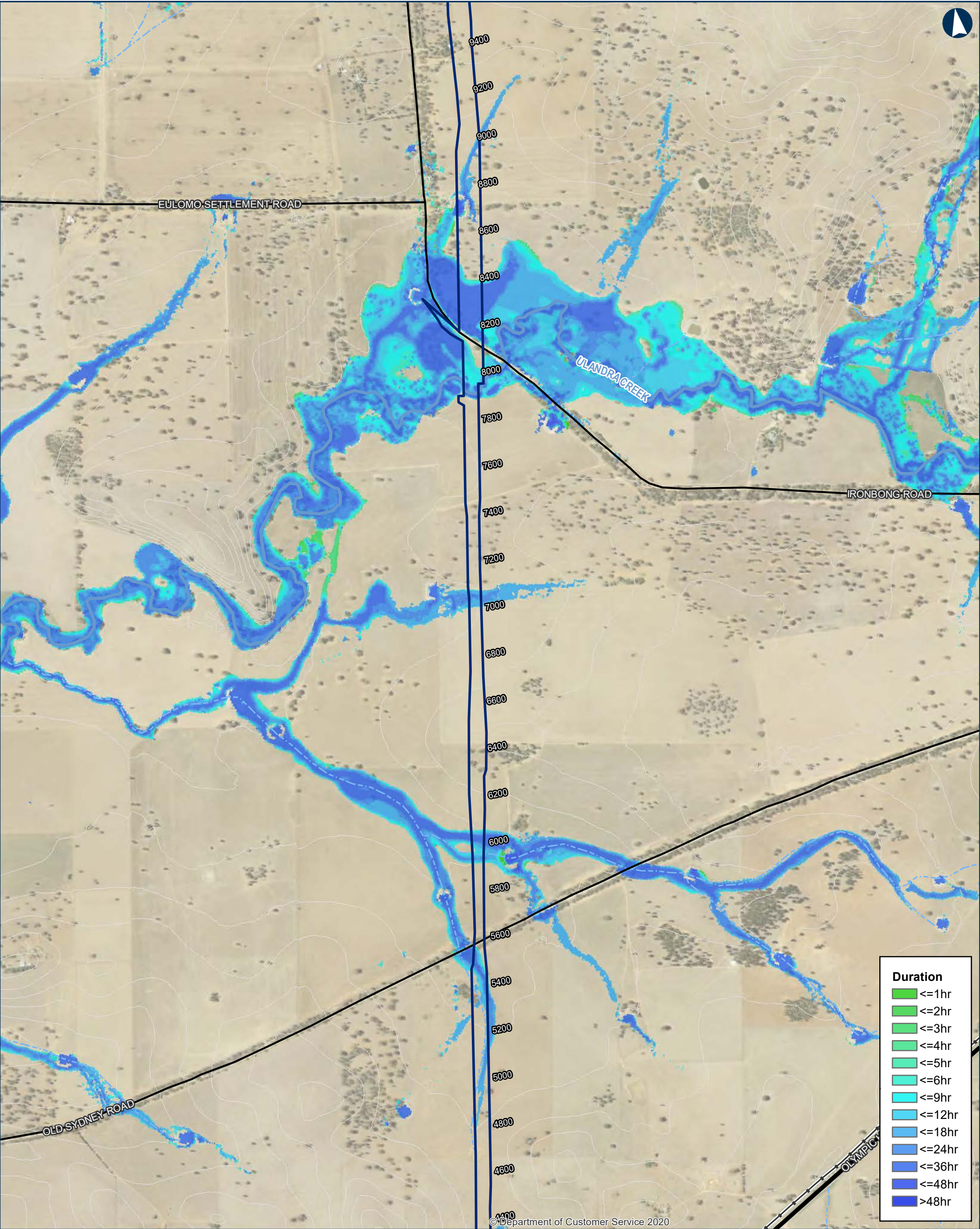
Arterial road



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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Duration

0200400

Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

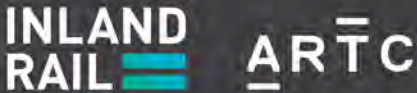
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

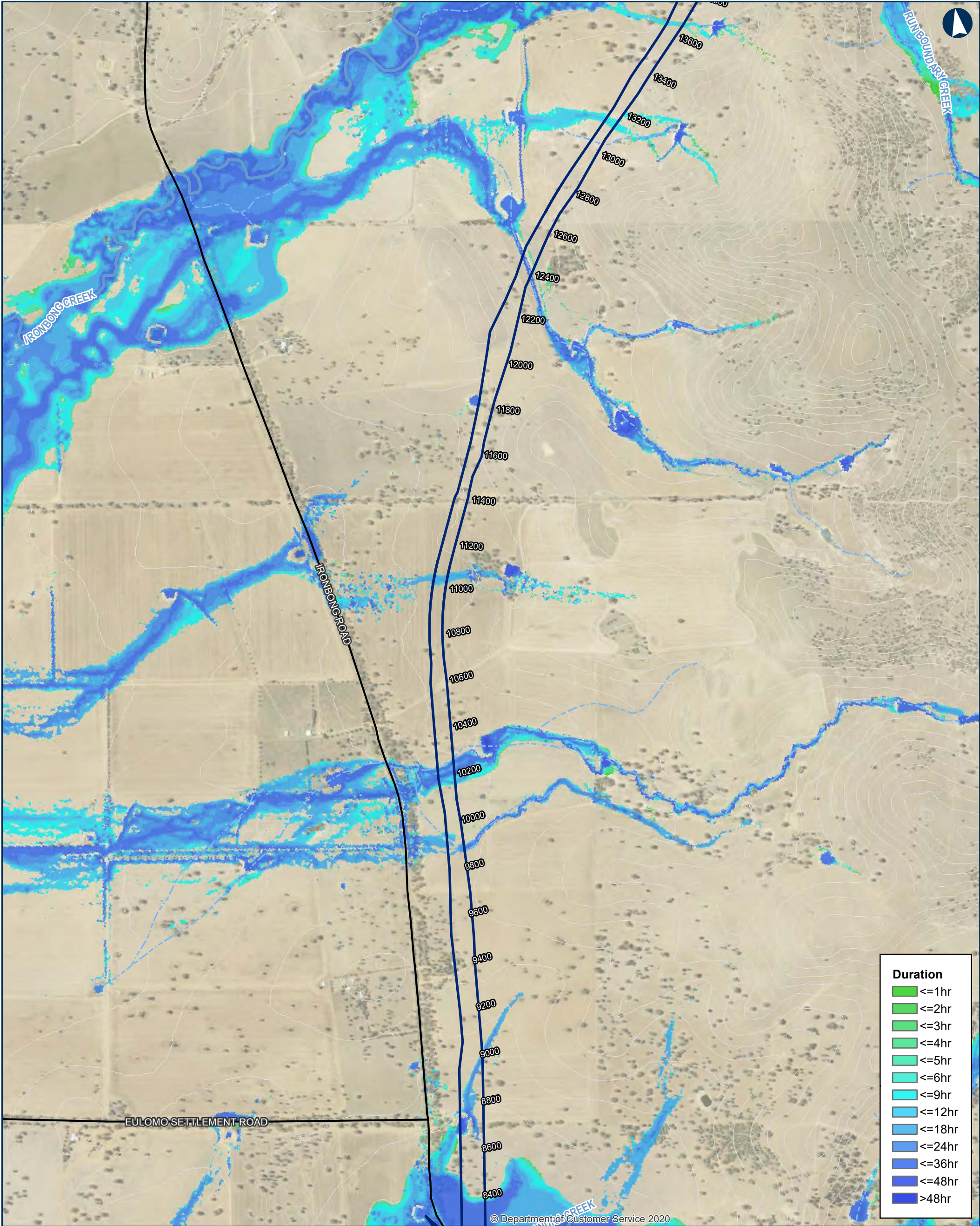
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Duration

0 200 400 Metres

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Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

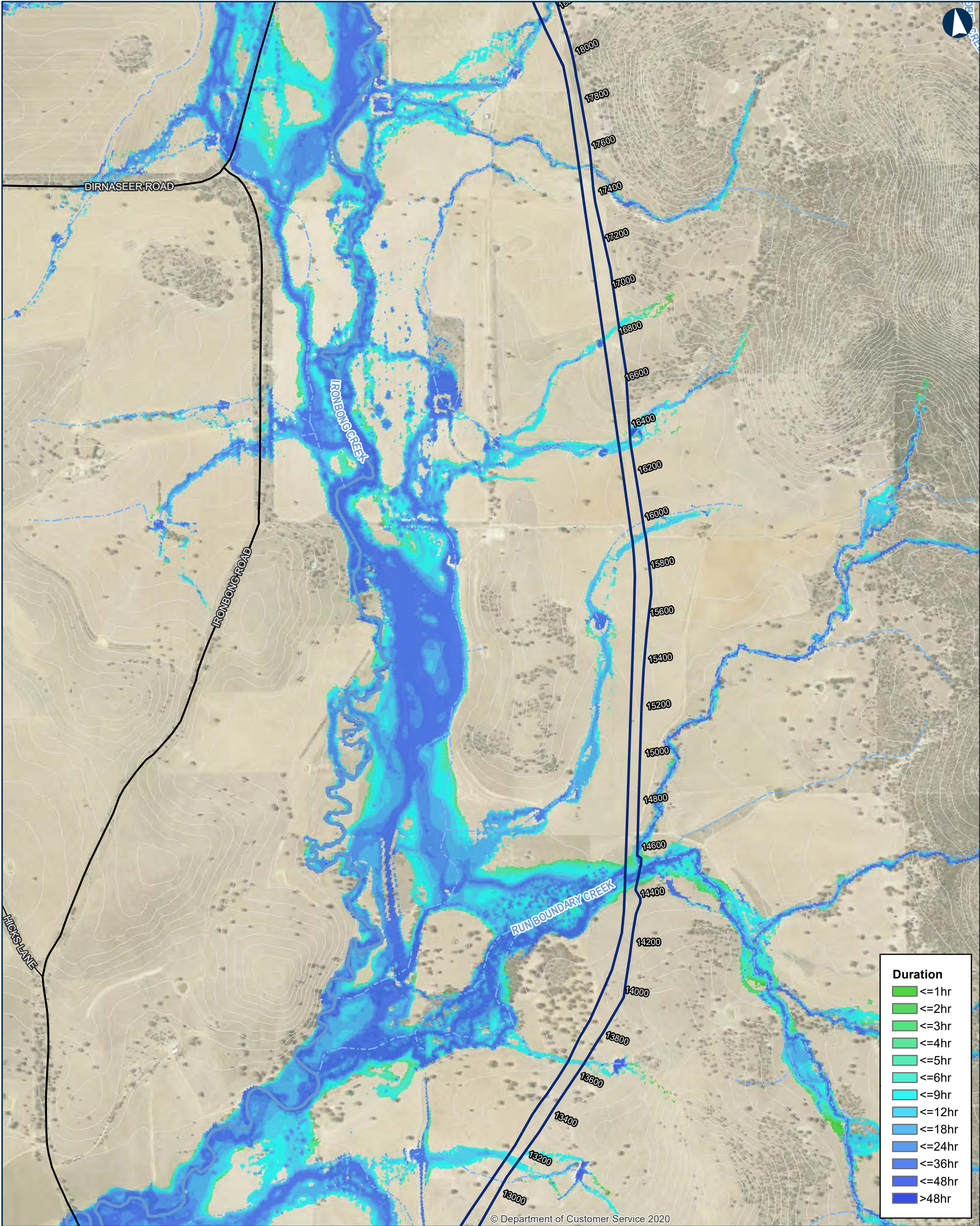
Arterial road

**INLAND RAIL**

**ARTC**

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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Duration

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5m Contours

Existing rail

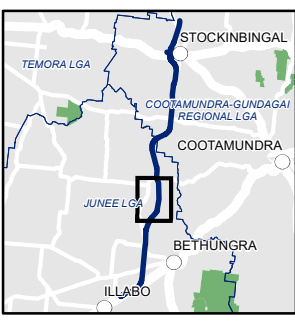
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

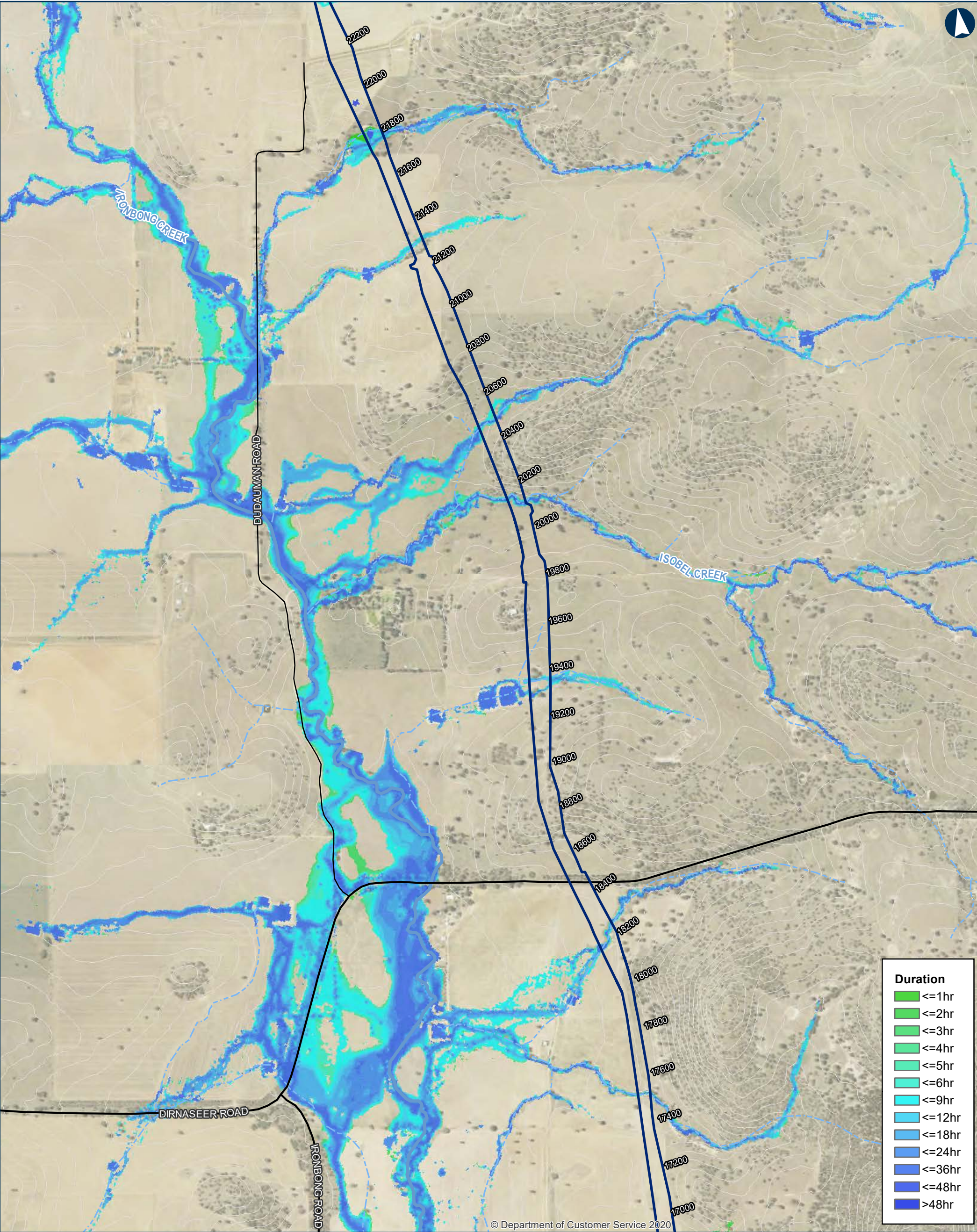
Sub-arterial road

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Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

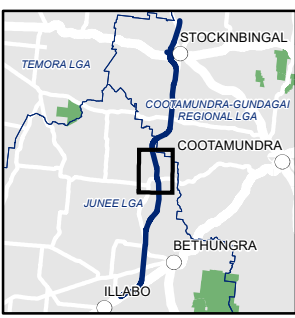
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

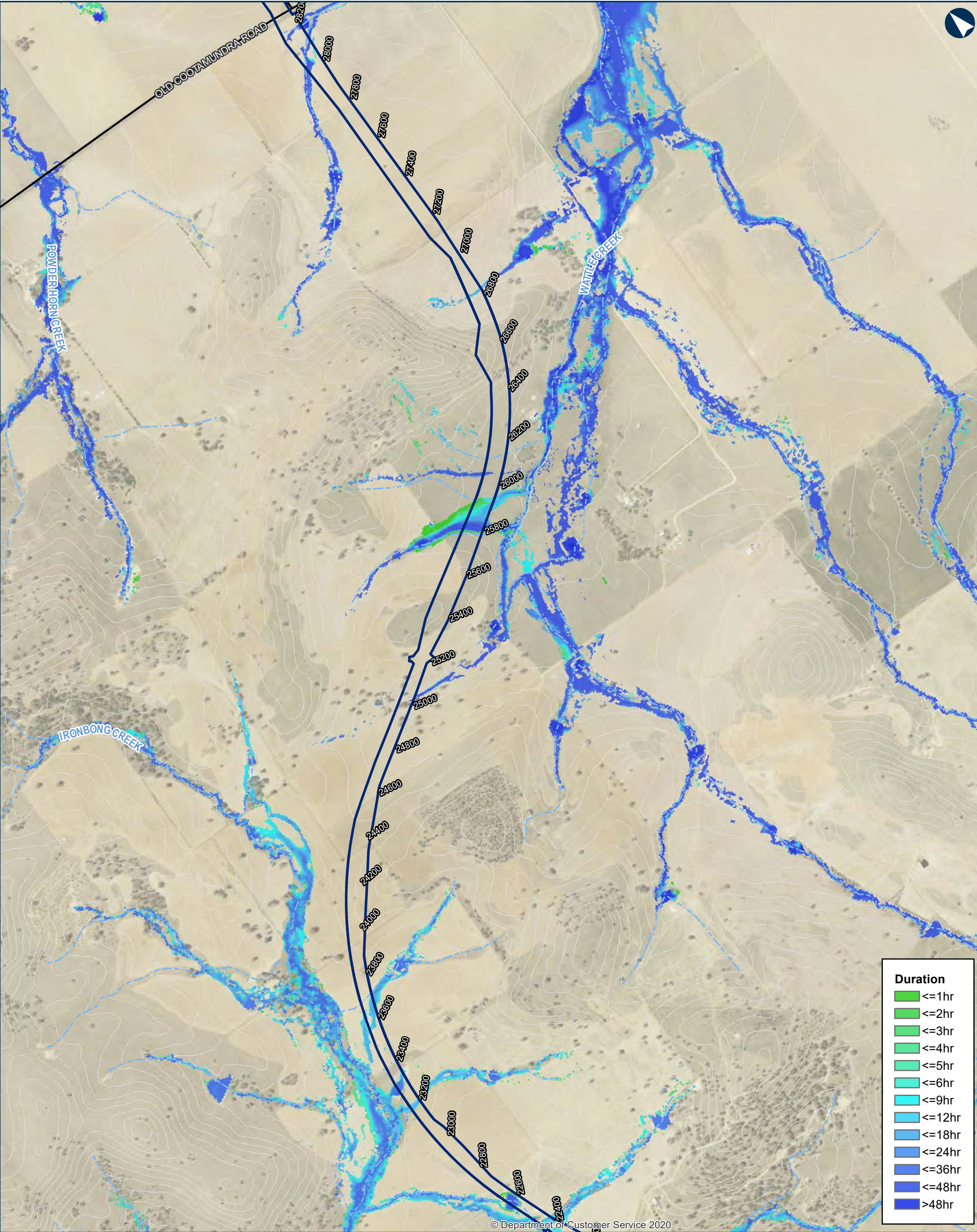
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Duration

0200400

Metres

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Permanent acquisition boundary

40950

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

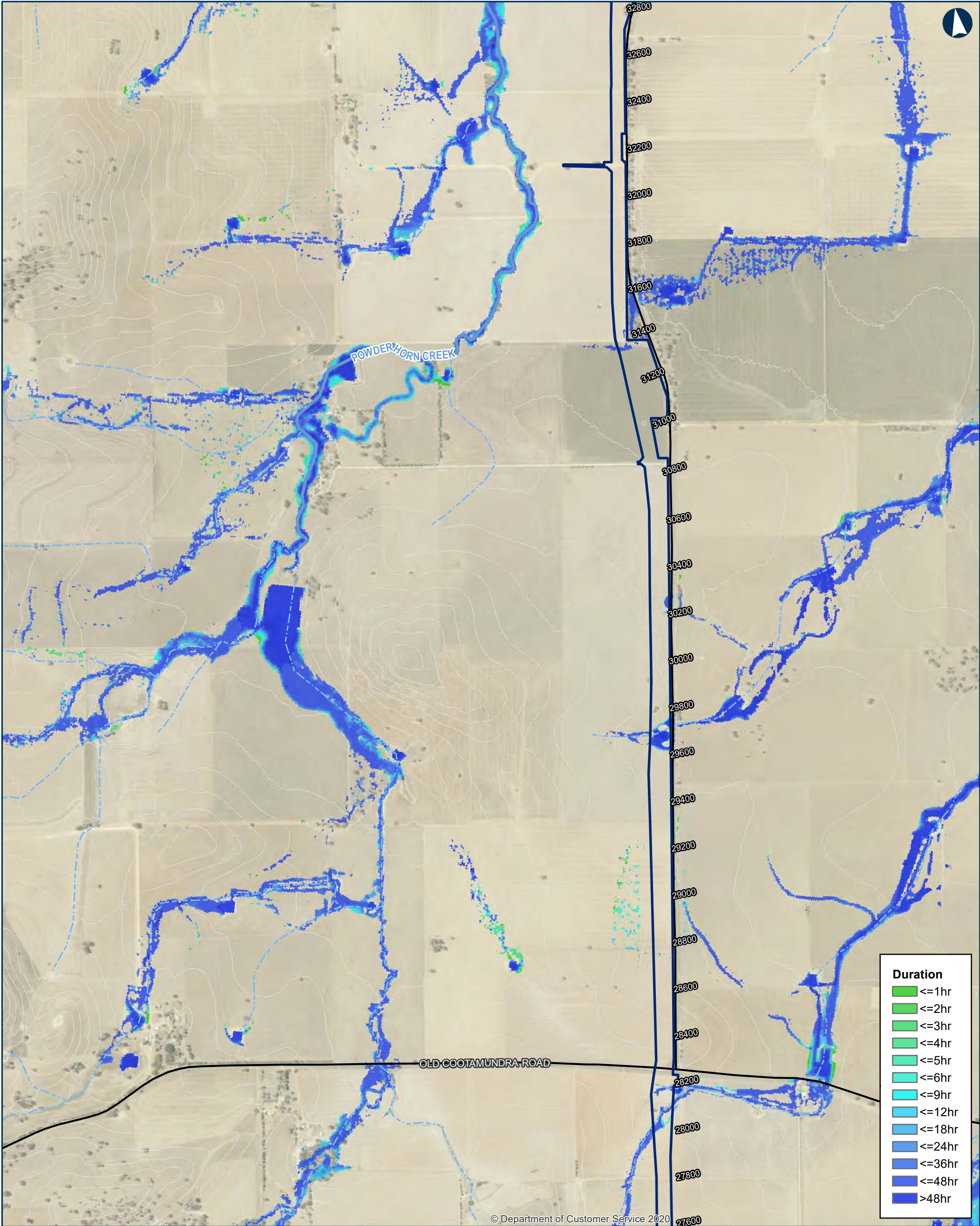
Sub-arterial road

Arterial road

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\\corp.pbwan.net\ANZ\Projects\IPS108286\_Inland\_Rail\_Illab4\_WIP\GIS\AWS\IPS108286\_I2SITasks\220\_0122\_HYD\_HydrologyReport\June2023\Documents\5AEP\220\_0122\_HYD\_5AEPExistingDuration\_v5.mxd





ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Duration

0 200 400 Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

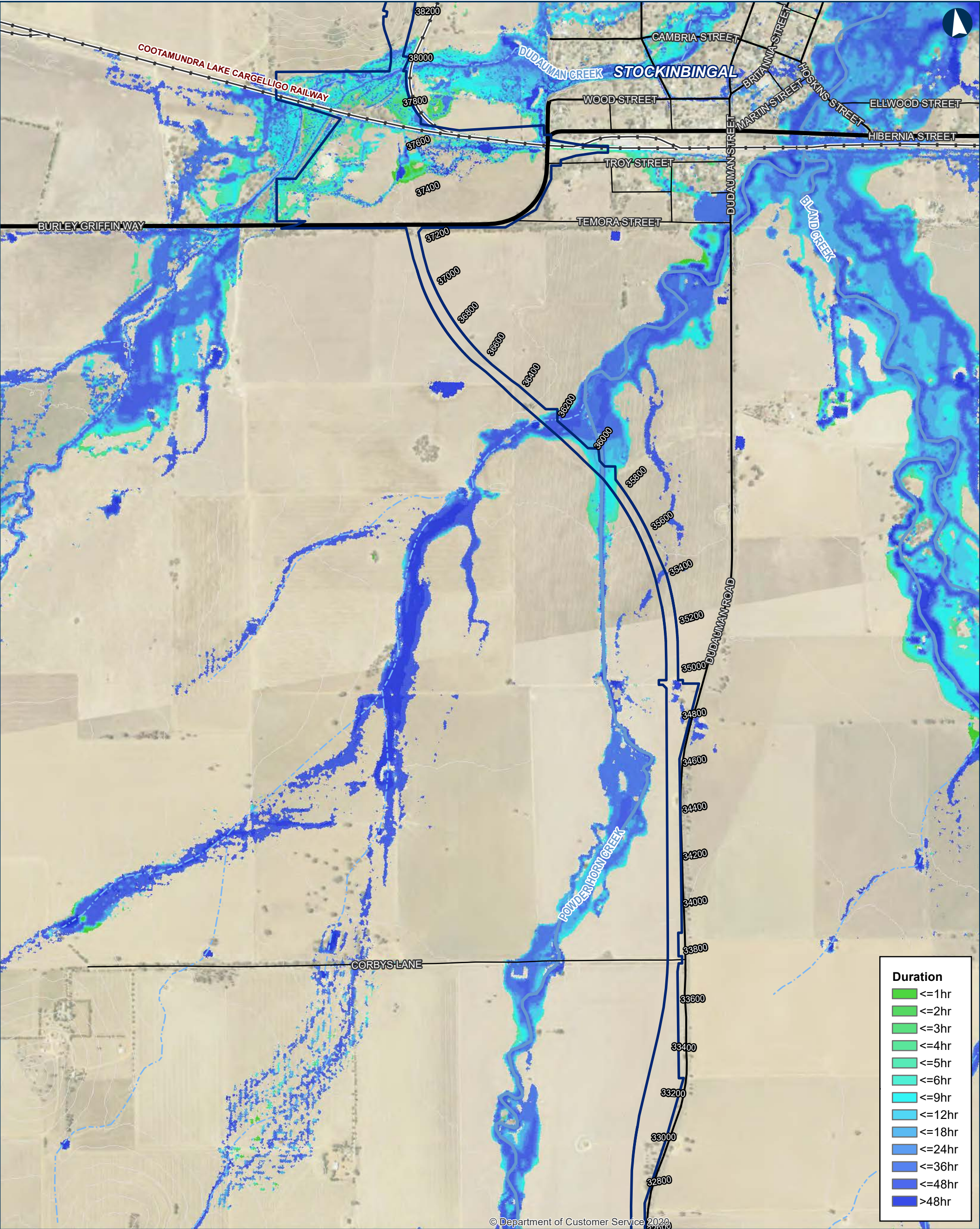
Sub-arterial road

Arterial road

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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Duration

0200400Metres

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Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

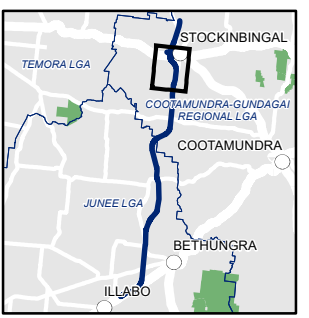
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

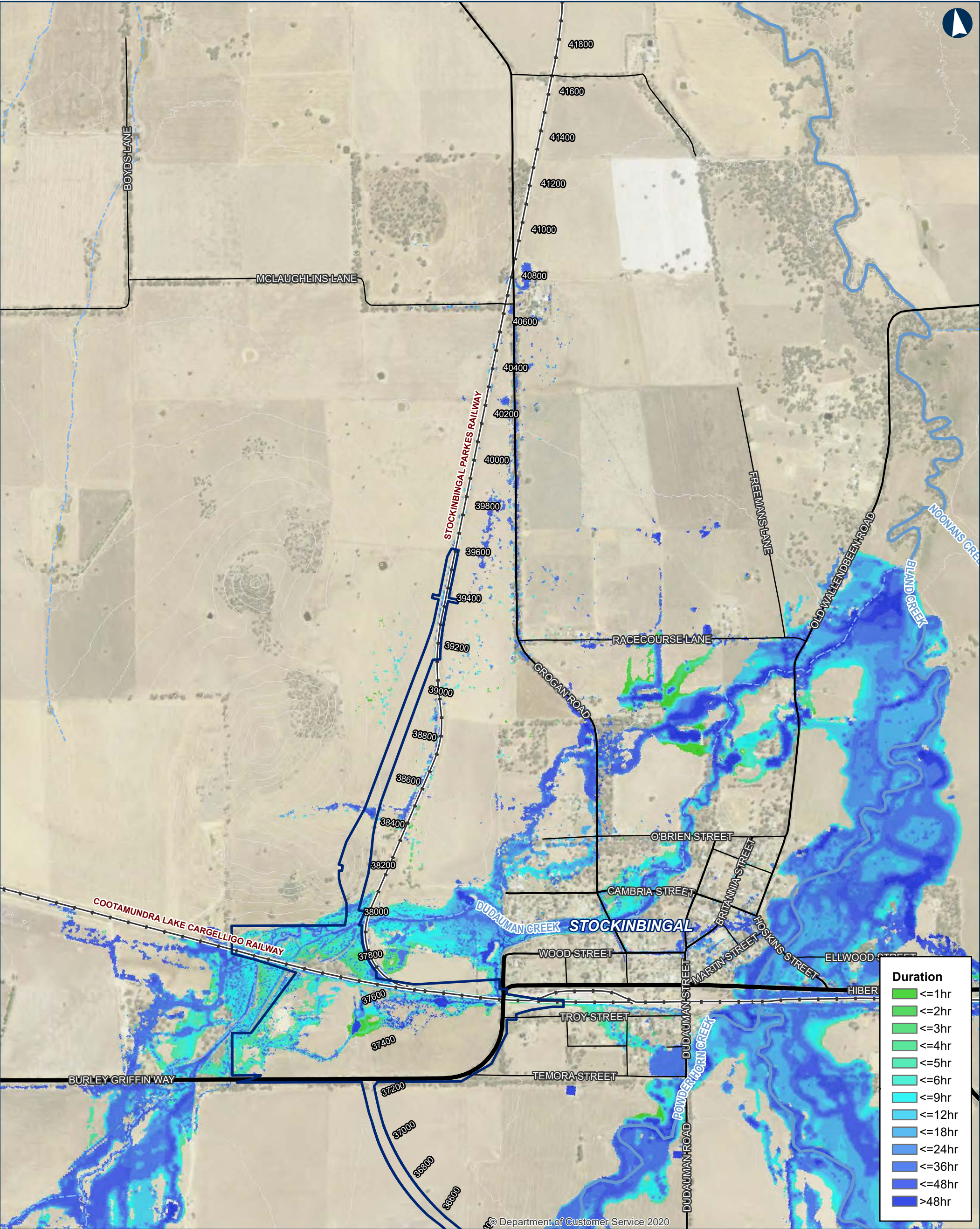
Sub-arterial road

Arterial road



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Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

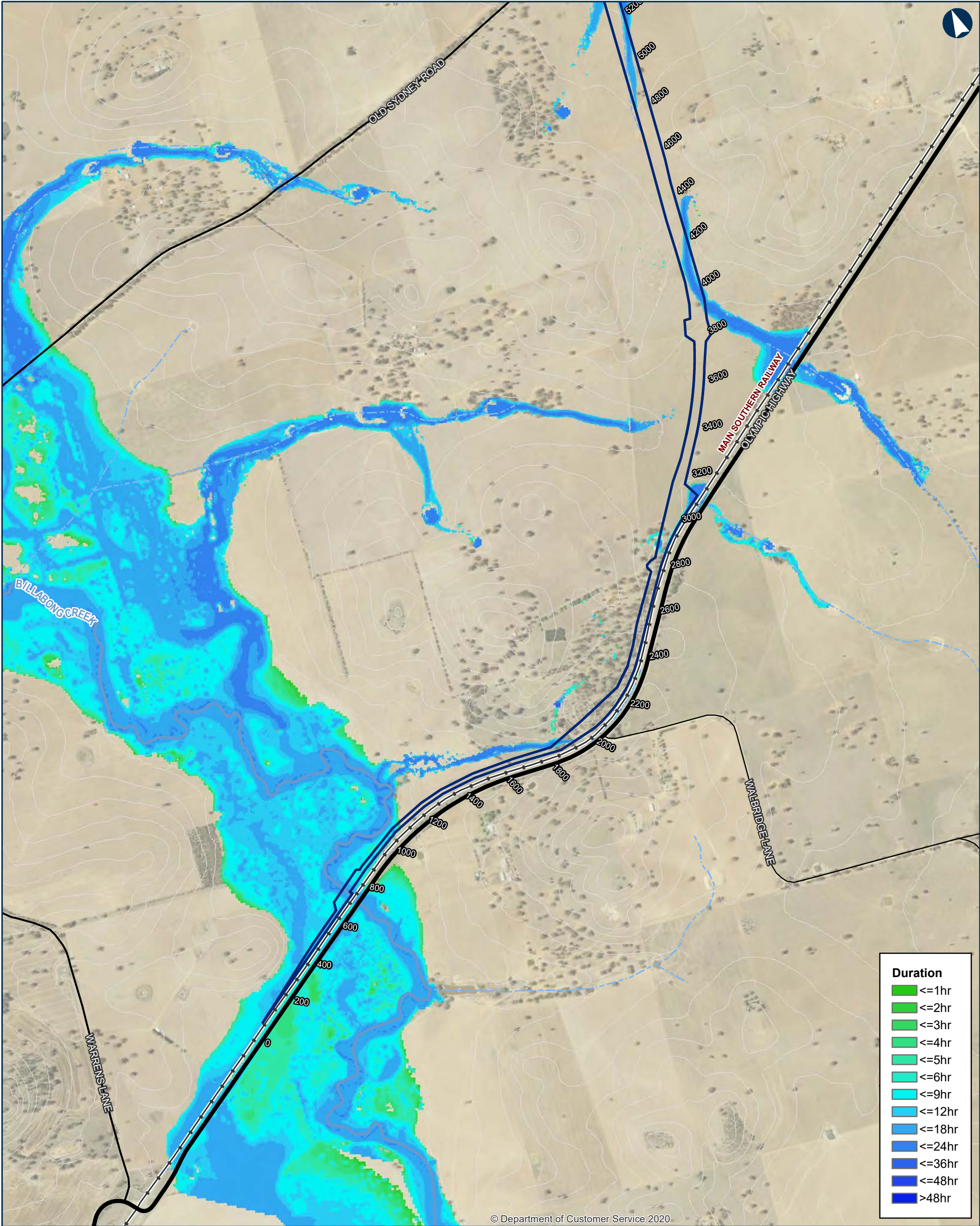
Arterial road



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Duration	
<span style="color: green;">■</span>	≤1hr
<span style="color: green;">■</span>	≤2hr
<span style="color: green;">■</span>	≤3hr
<span style="color: green;">■</span>	≤4hr
<span style="color: green;">■</span>	≤5hr
<span style="color: cyan;">■</span>	≤6hr
<span style="color: cyan;">■</span>	≤9hr
<span style="color: cyan;">■</span>	≤12hr
<span style="color: blue;">■</span>	≤18hr
<span style="color: blue;">■</span>	≤24hr
<span style="color: blue;">■</span>	≤36hr
<span style="color: blue;">■</span>	≤48hr
<span style="color: blue;">■</span>	>48hr

ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Duration

Map 1 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

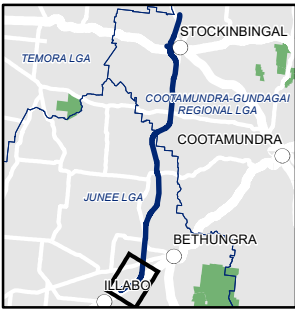
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- Permanent acquisition boundary
- 40950

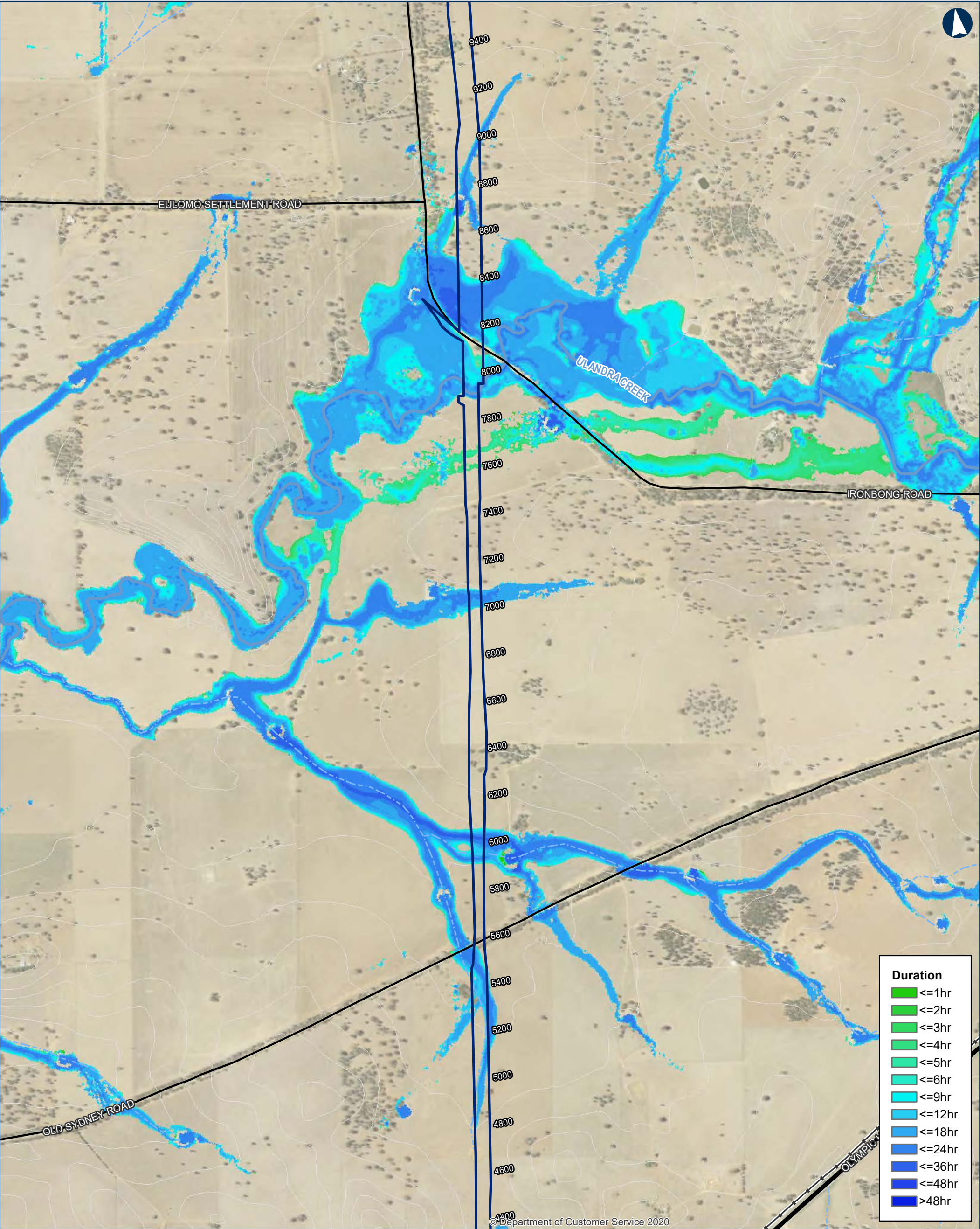
Chainage (distance in metres from southern limit of the proposal)
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Duration

0200400Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

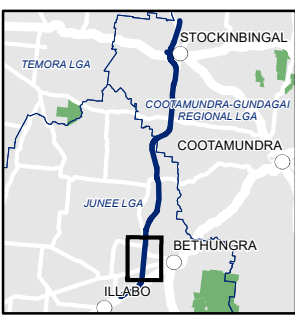
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

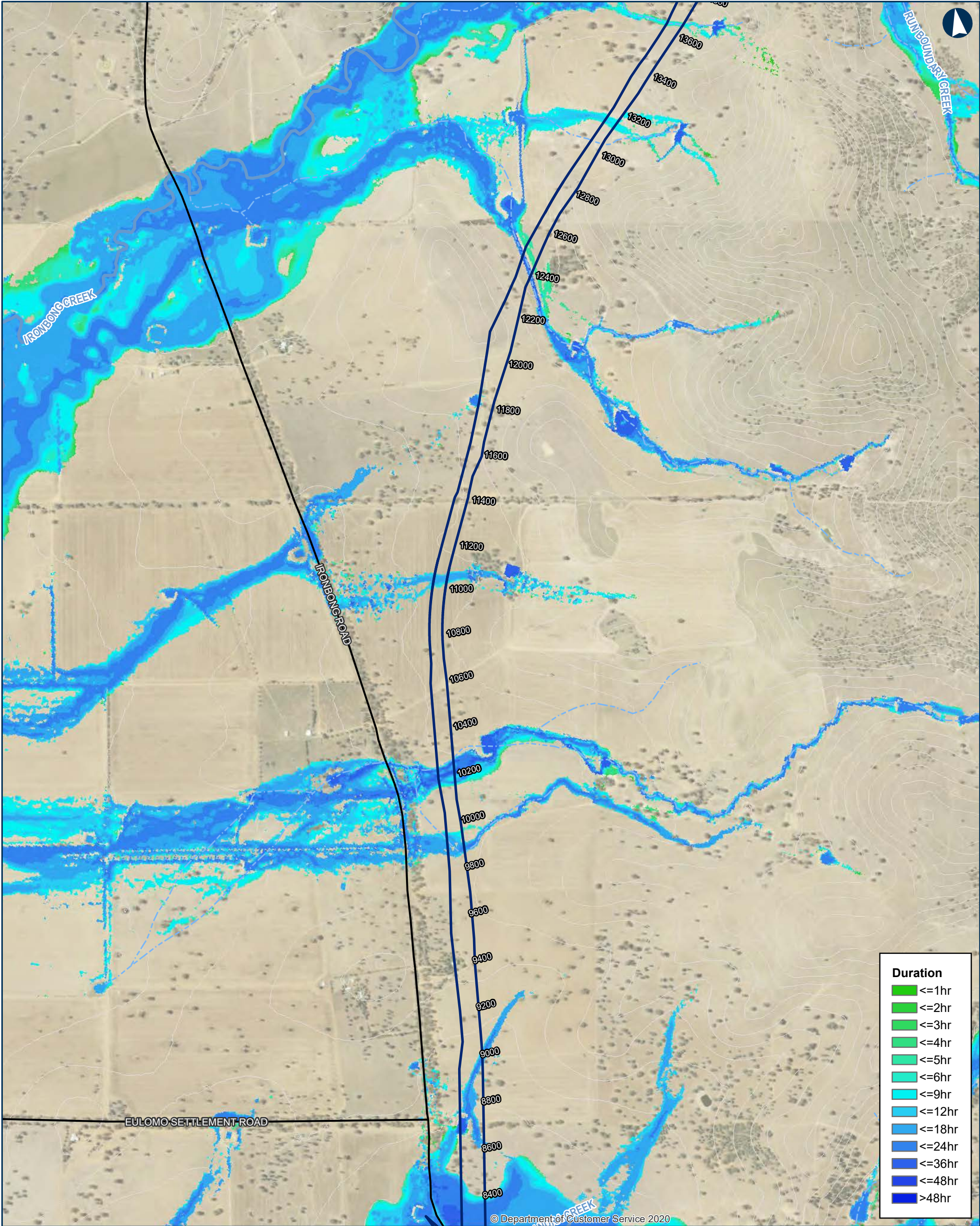
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Duration

Map 3 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

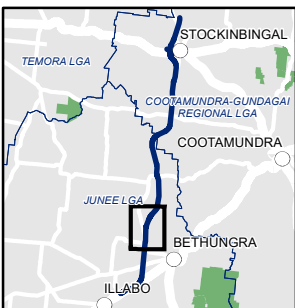
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

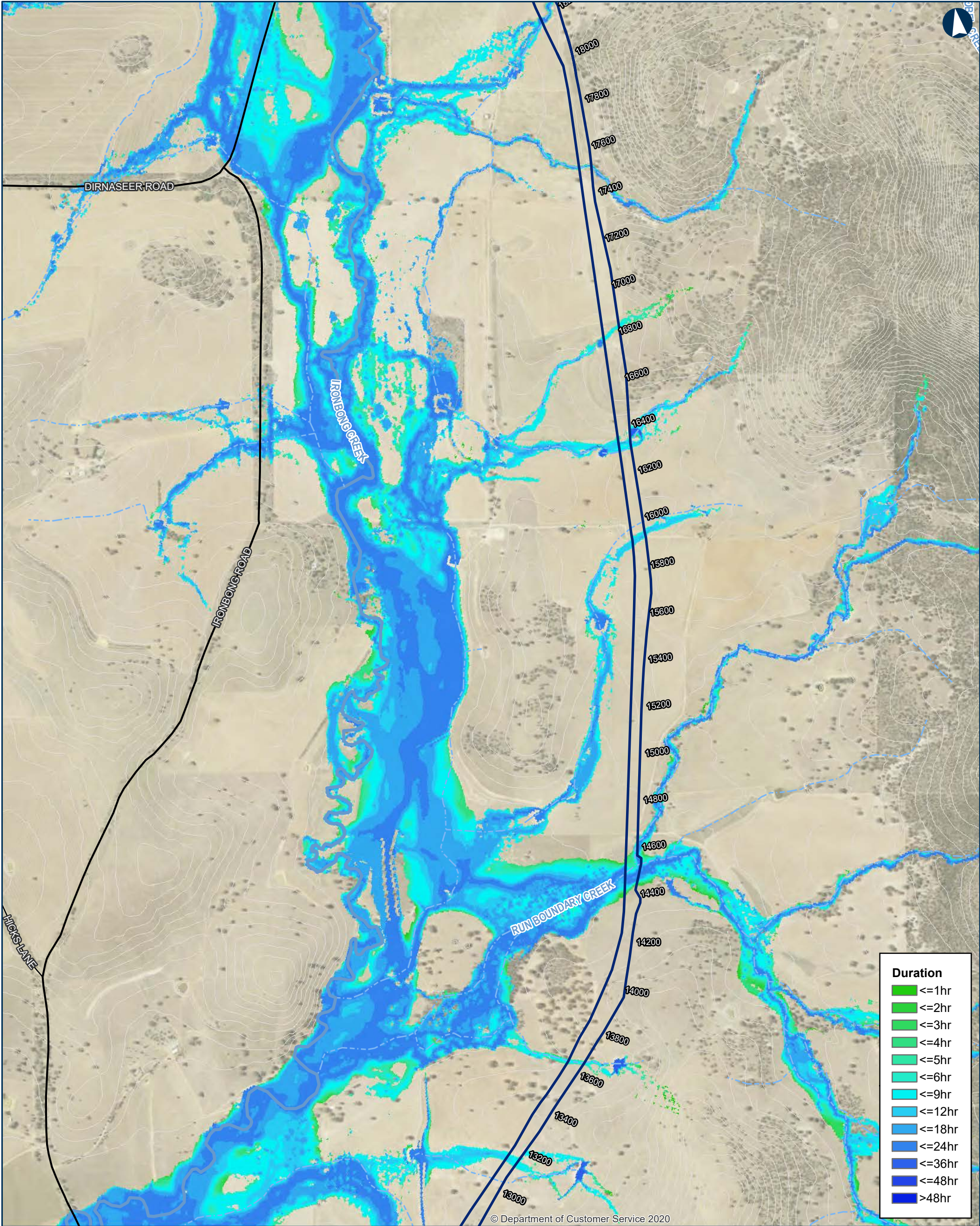
Sub-arterial road

Arterial road



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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

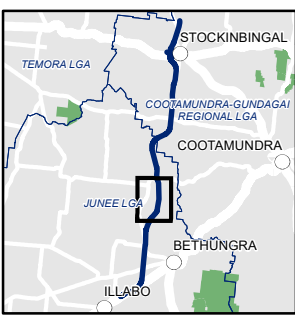
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

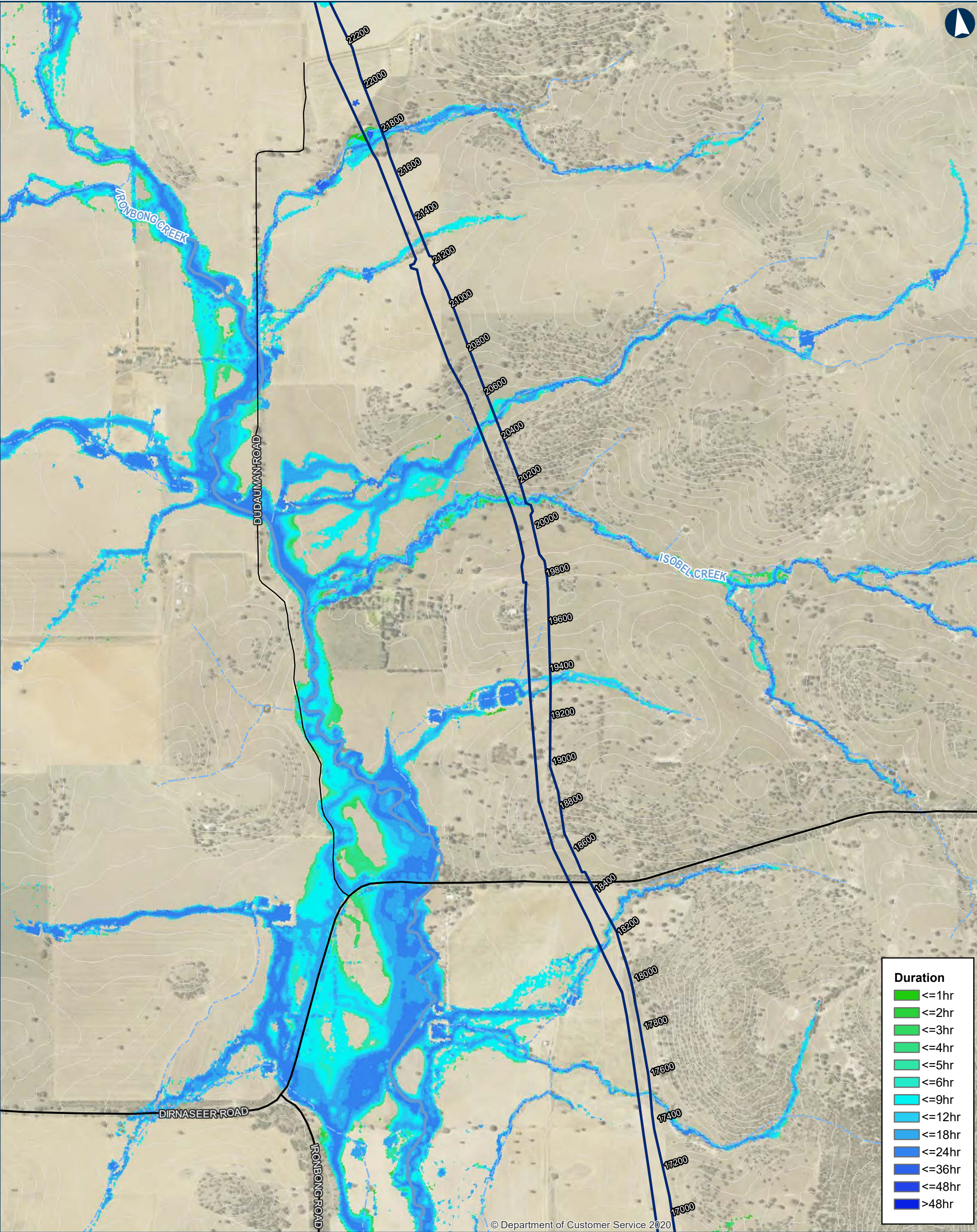
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Duration

Map 5 of 9

0200400Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

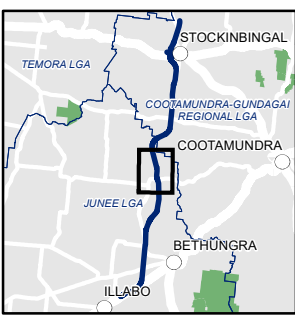
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

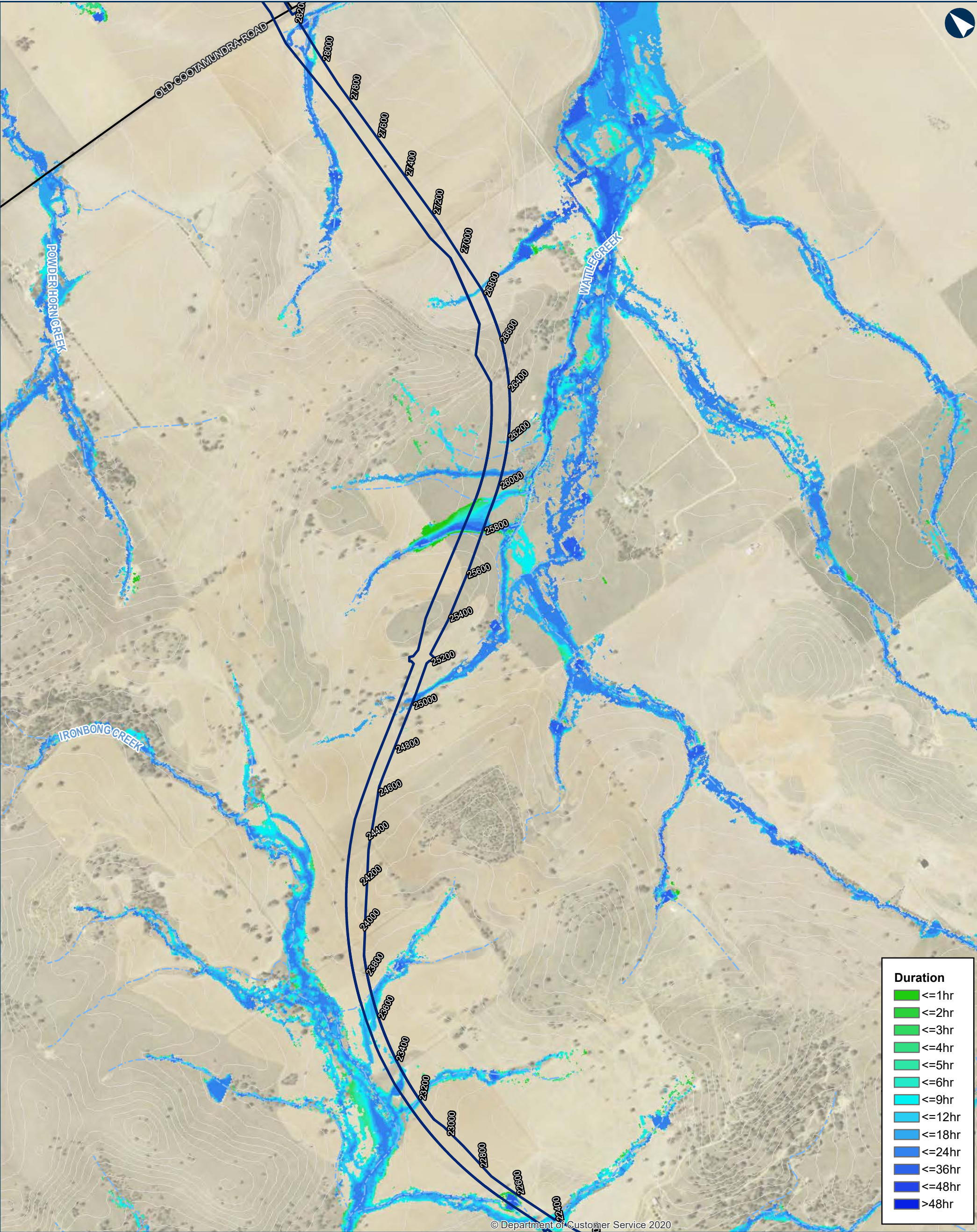
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Duration

0200400Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

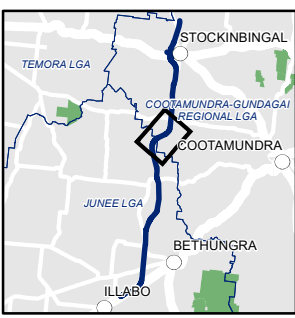
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

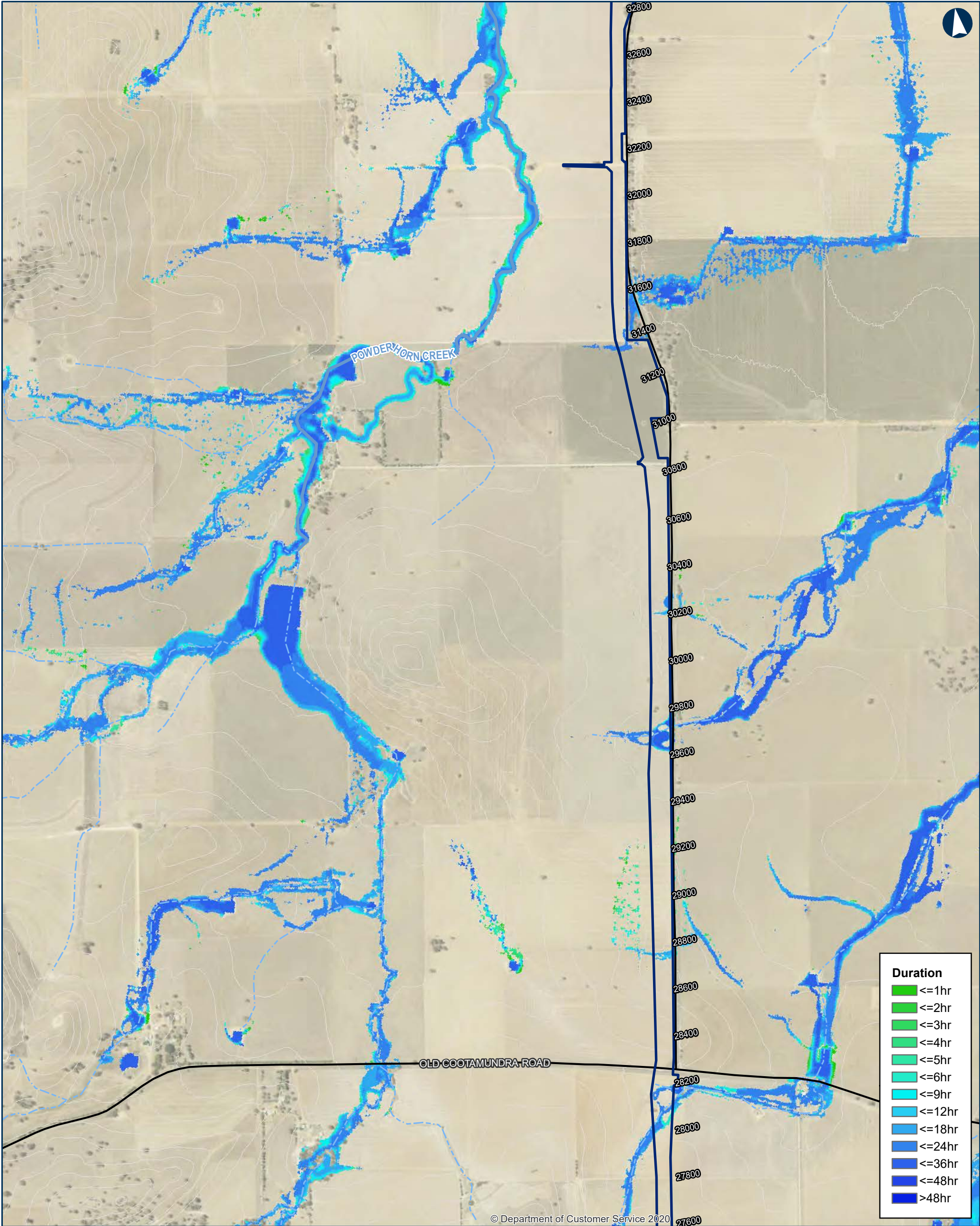
Sub-arterial road

Arterial road



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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

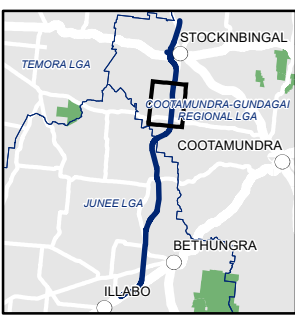
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

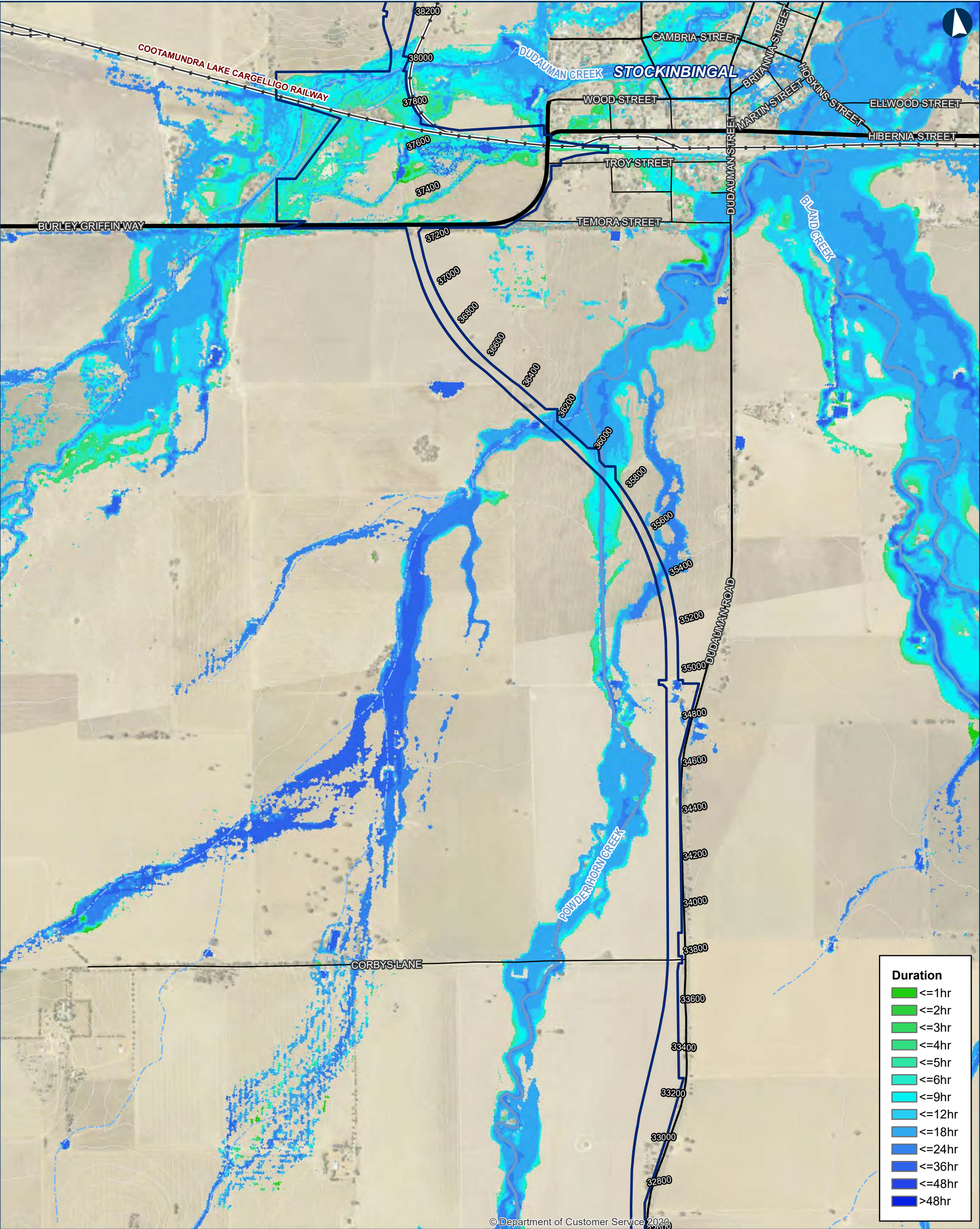
Sub-arterial road

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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Duration

0 200 400 Metres

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Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

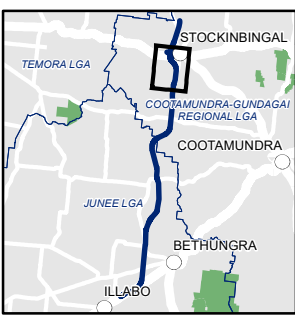
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

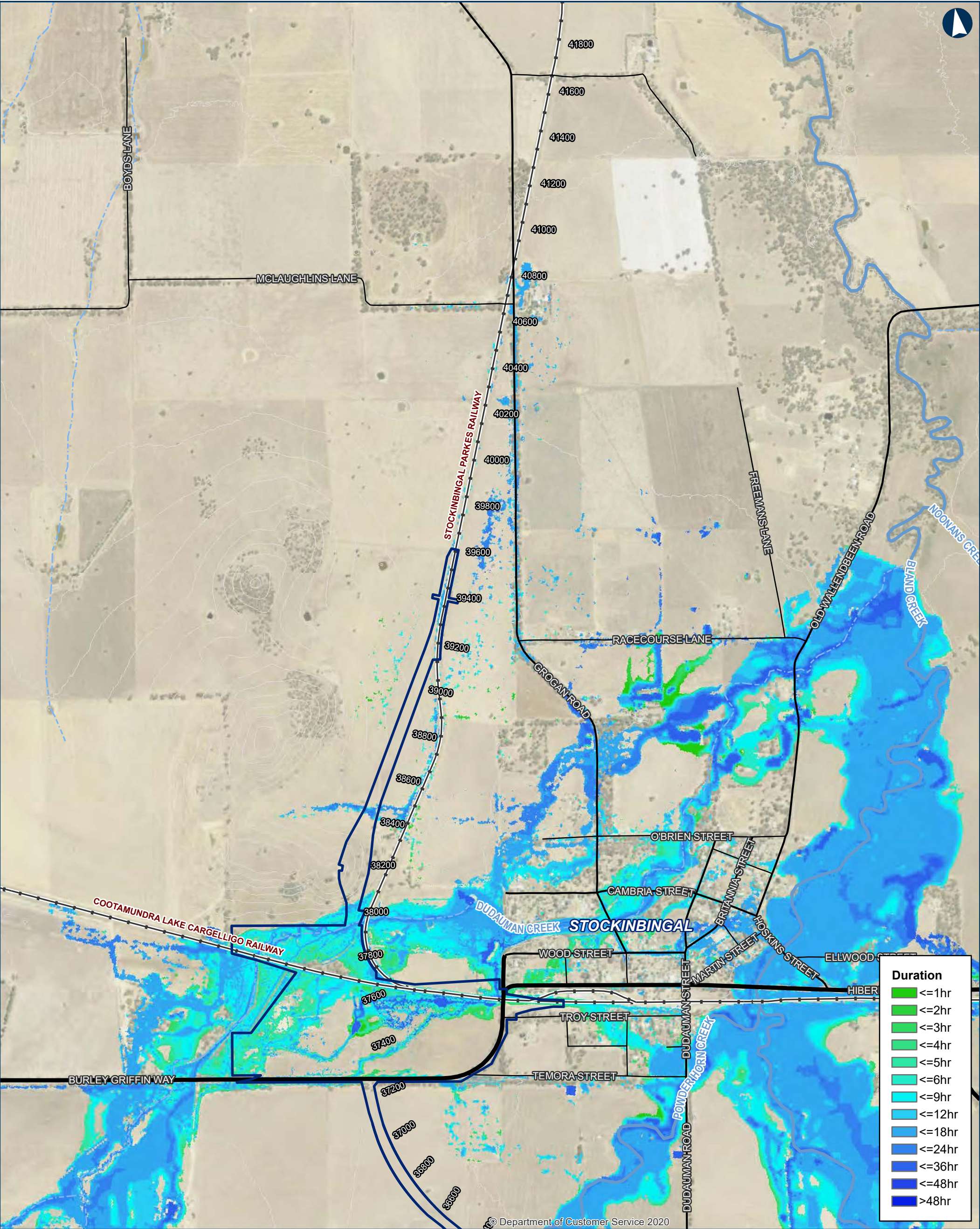
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Duration

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

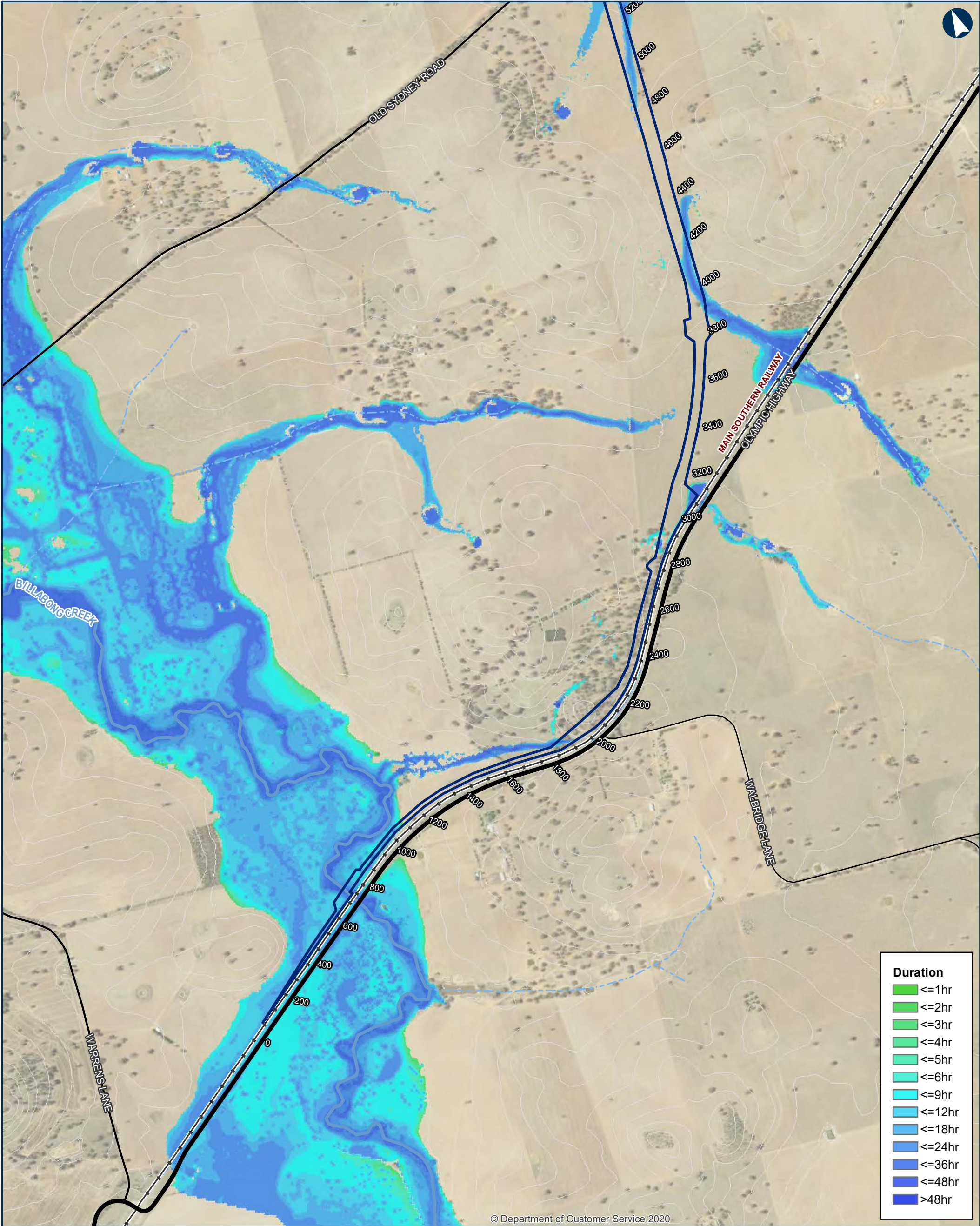
Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

Map 1 of 9

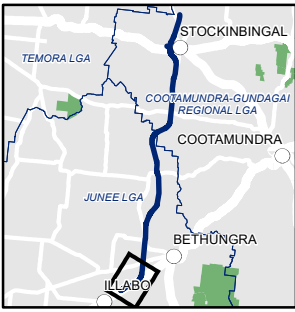
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: IRDJV Scale: 1:15,000  
Data Sources: IRDJV, ARTC, LPI

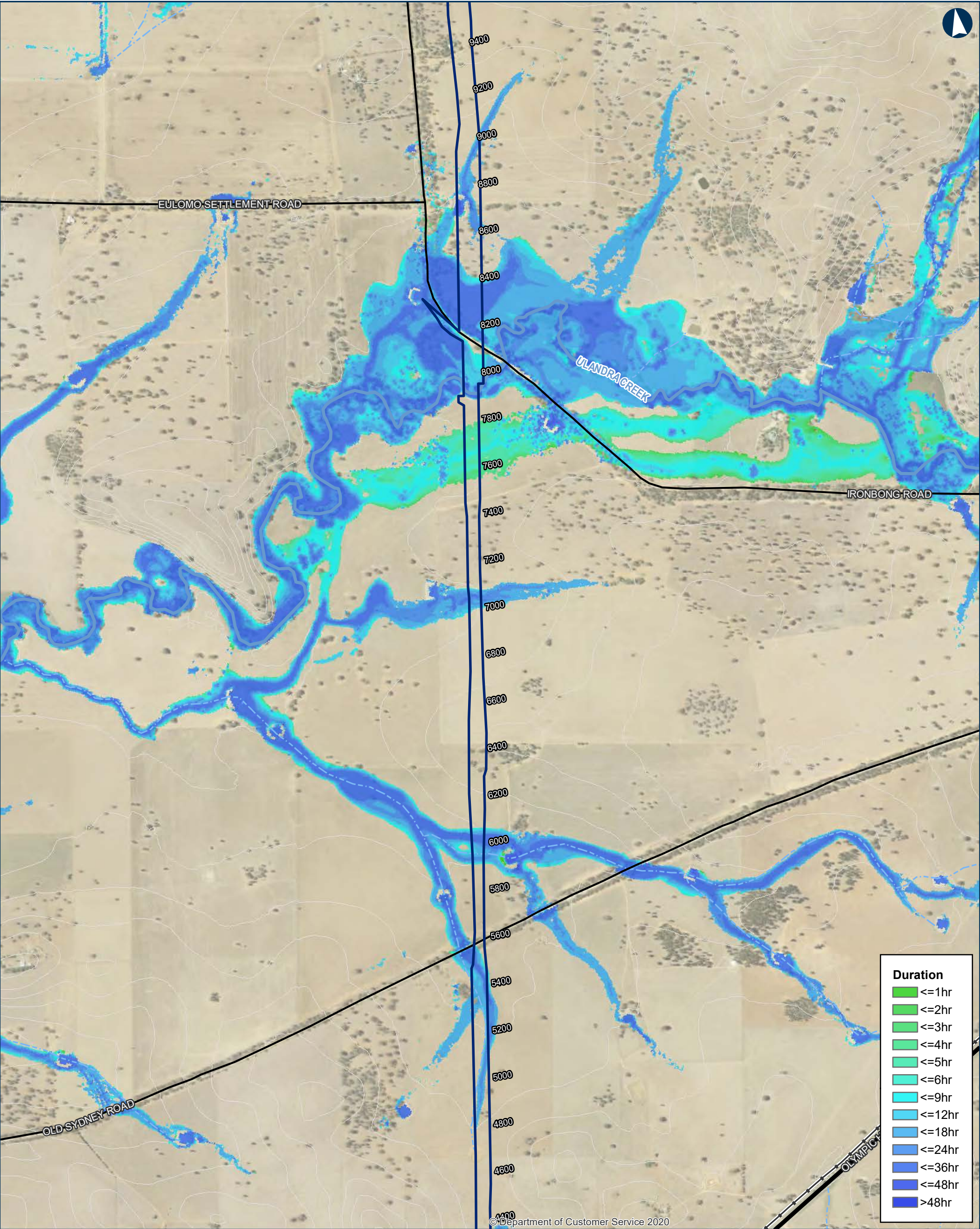
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal)
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



INLAND RAIL ARTC

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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

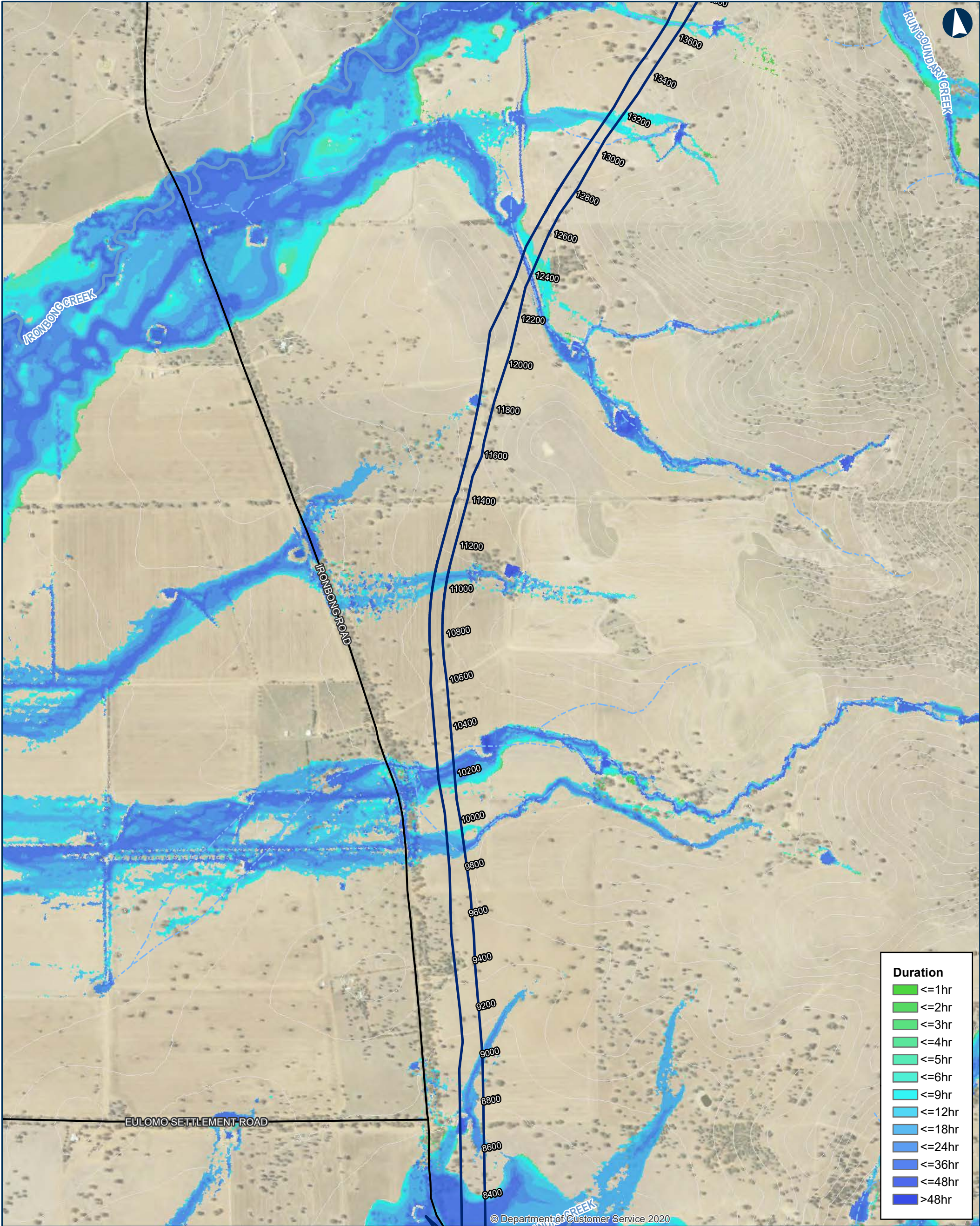
Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

Map 3 of 9

0 200 400 Metres

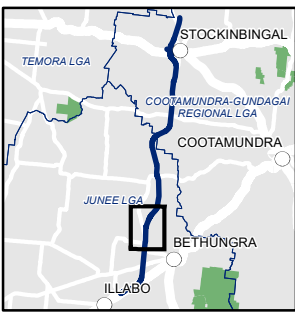
Coordinate System: GDA 1994 MGA Zone 55

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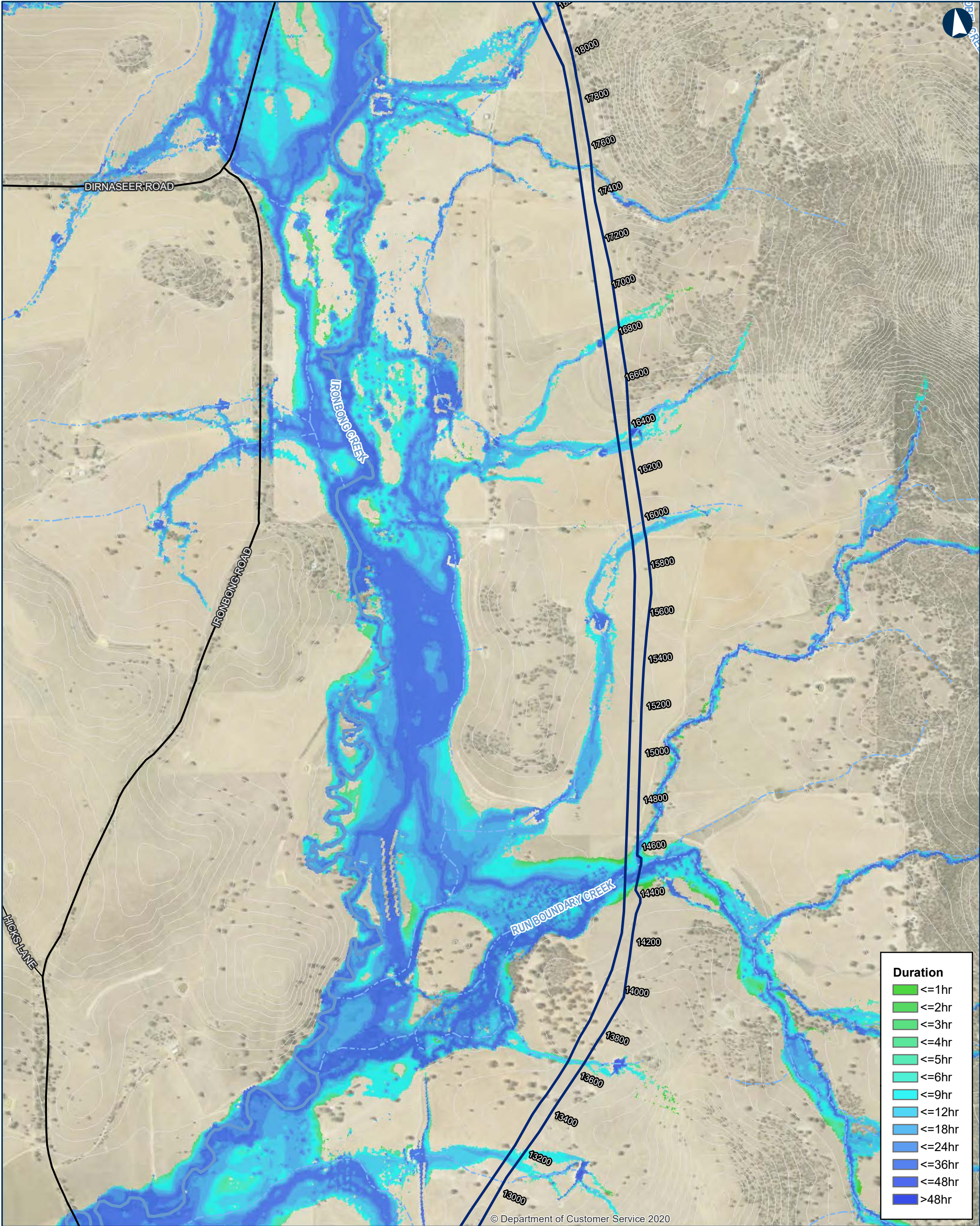
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal)
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

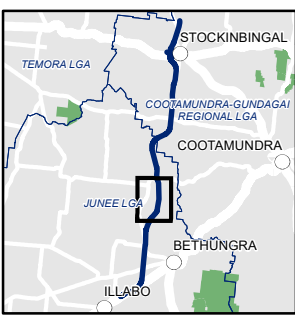
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

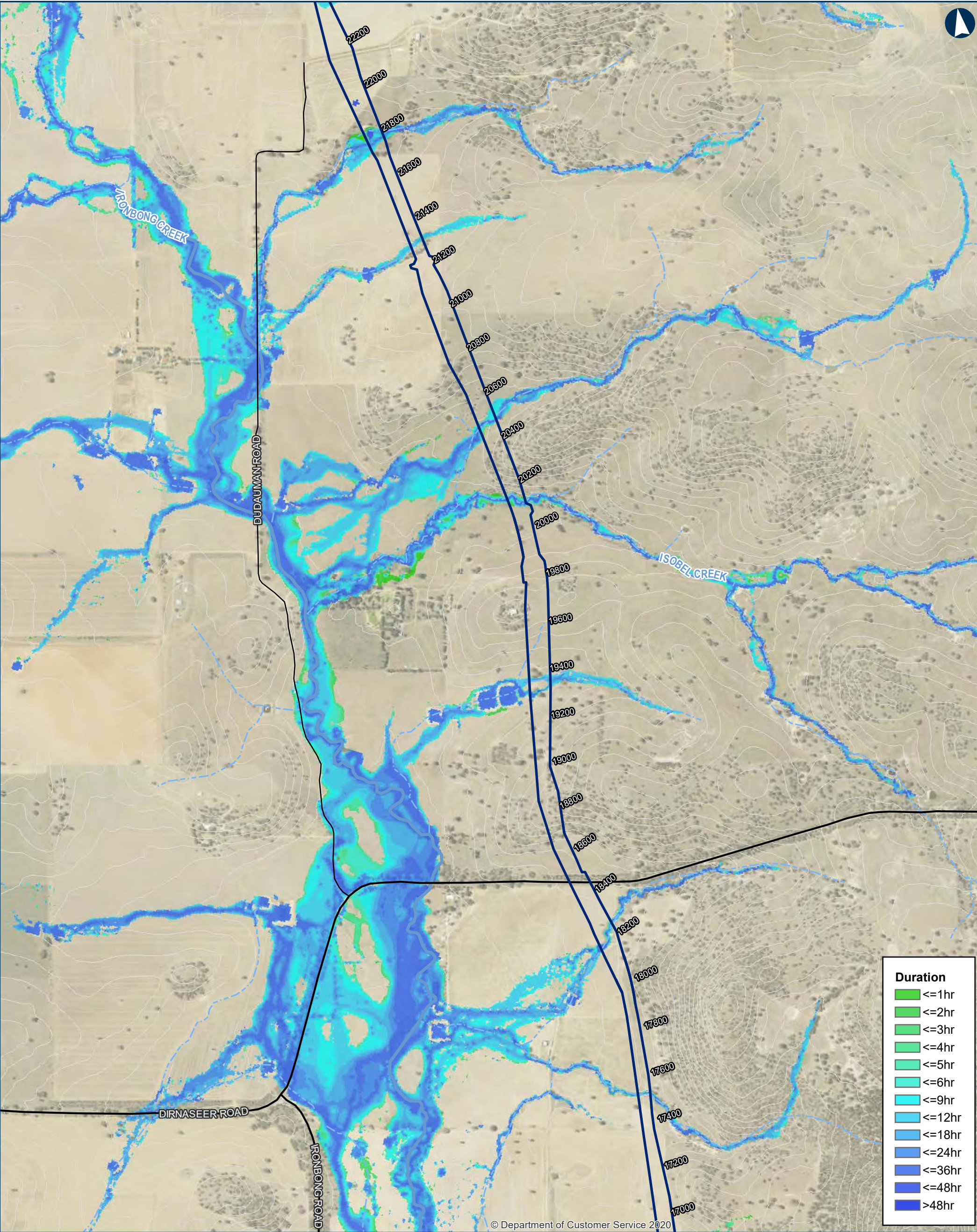
Arterial road



INLAND RAIL ARTC

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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

Map 5 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

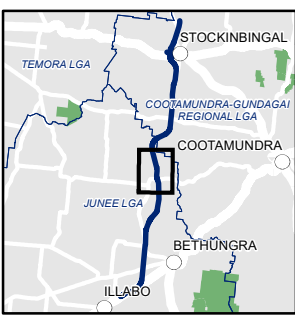
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

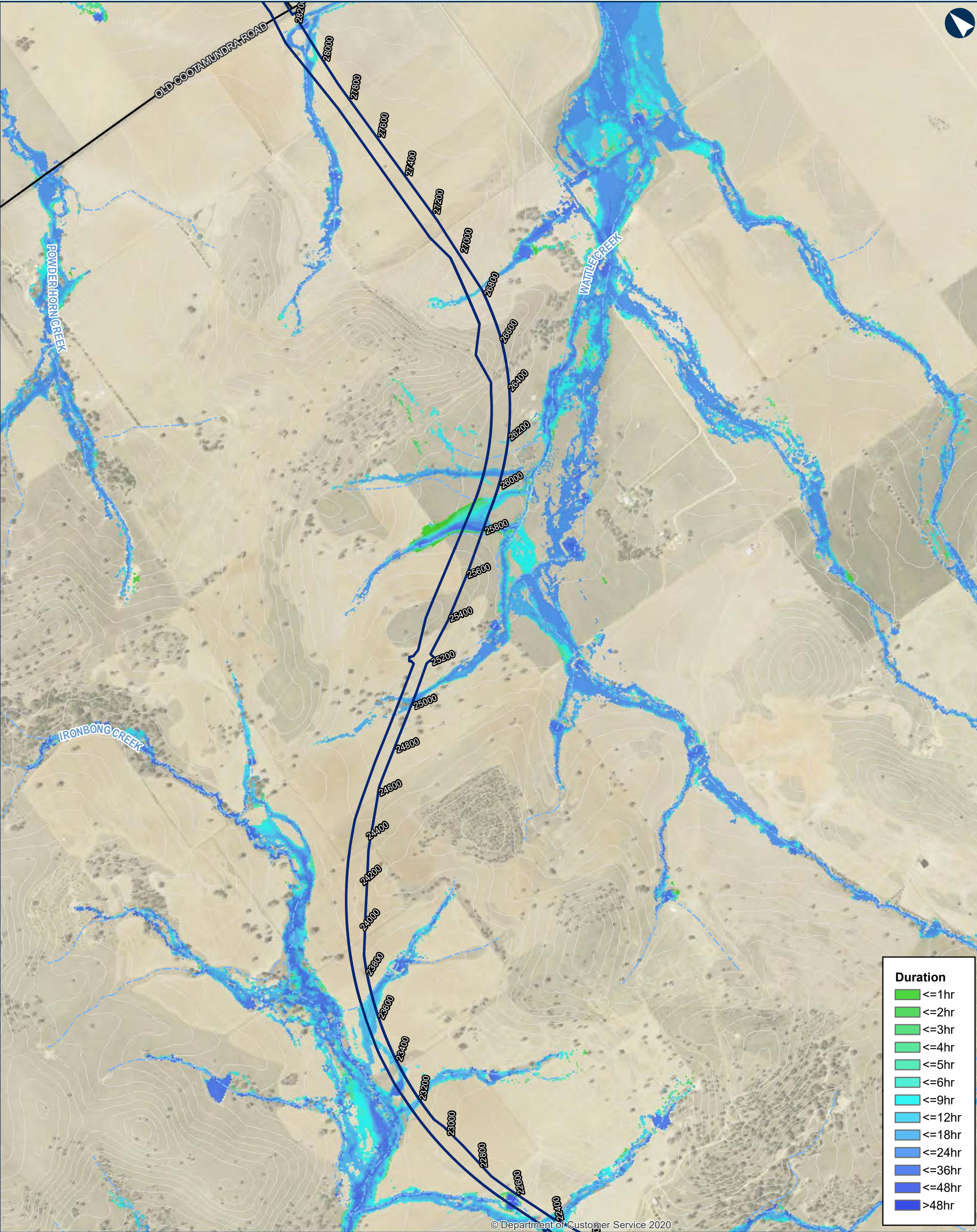
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

Map 6 of 9

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

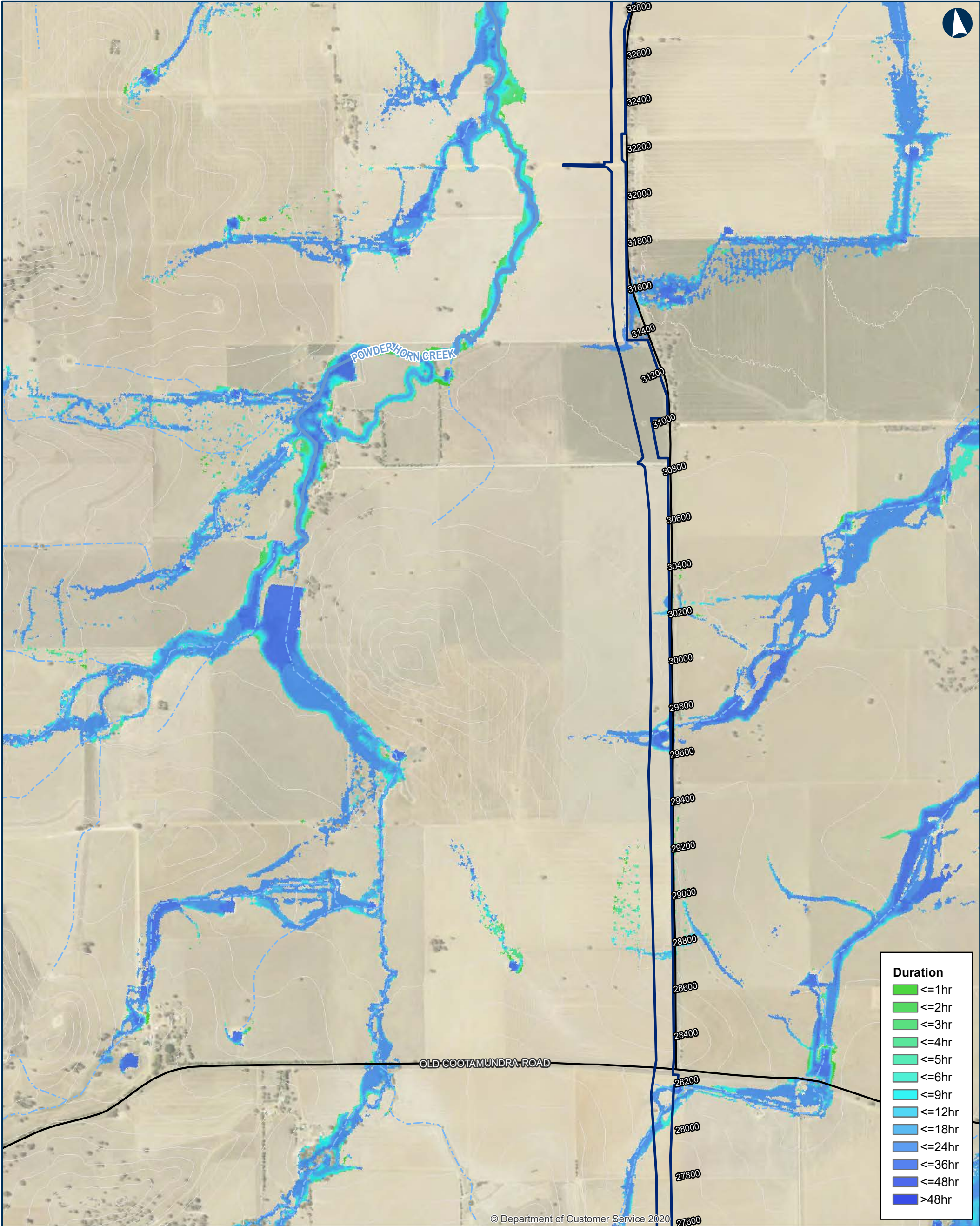
Arterial road

40950

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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

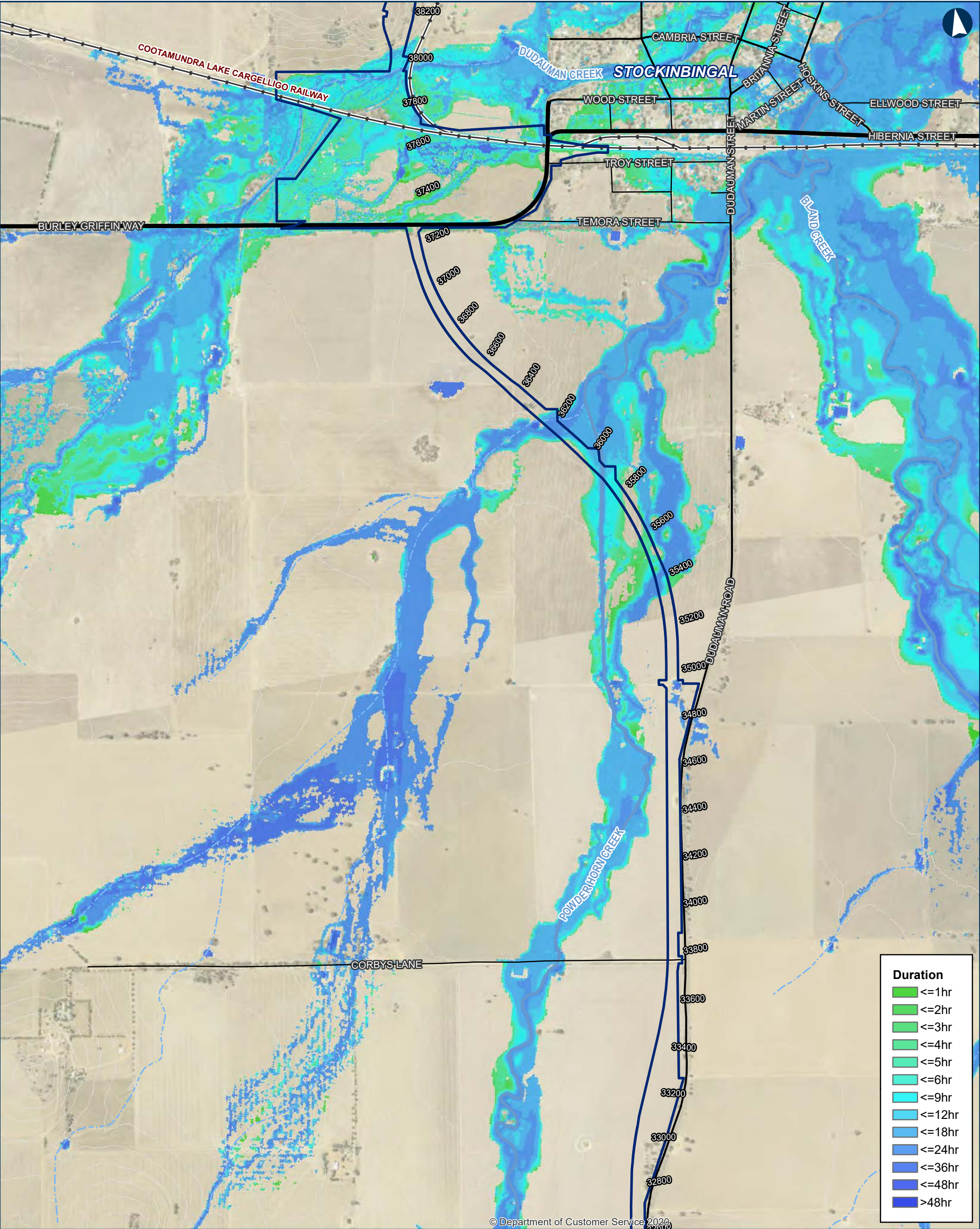
Arterial road

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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

Map 8 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

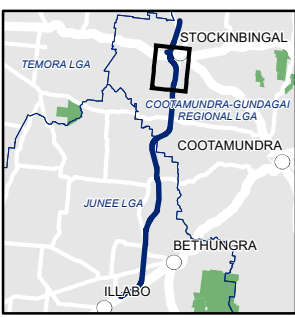
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

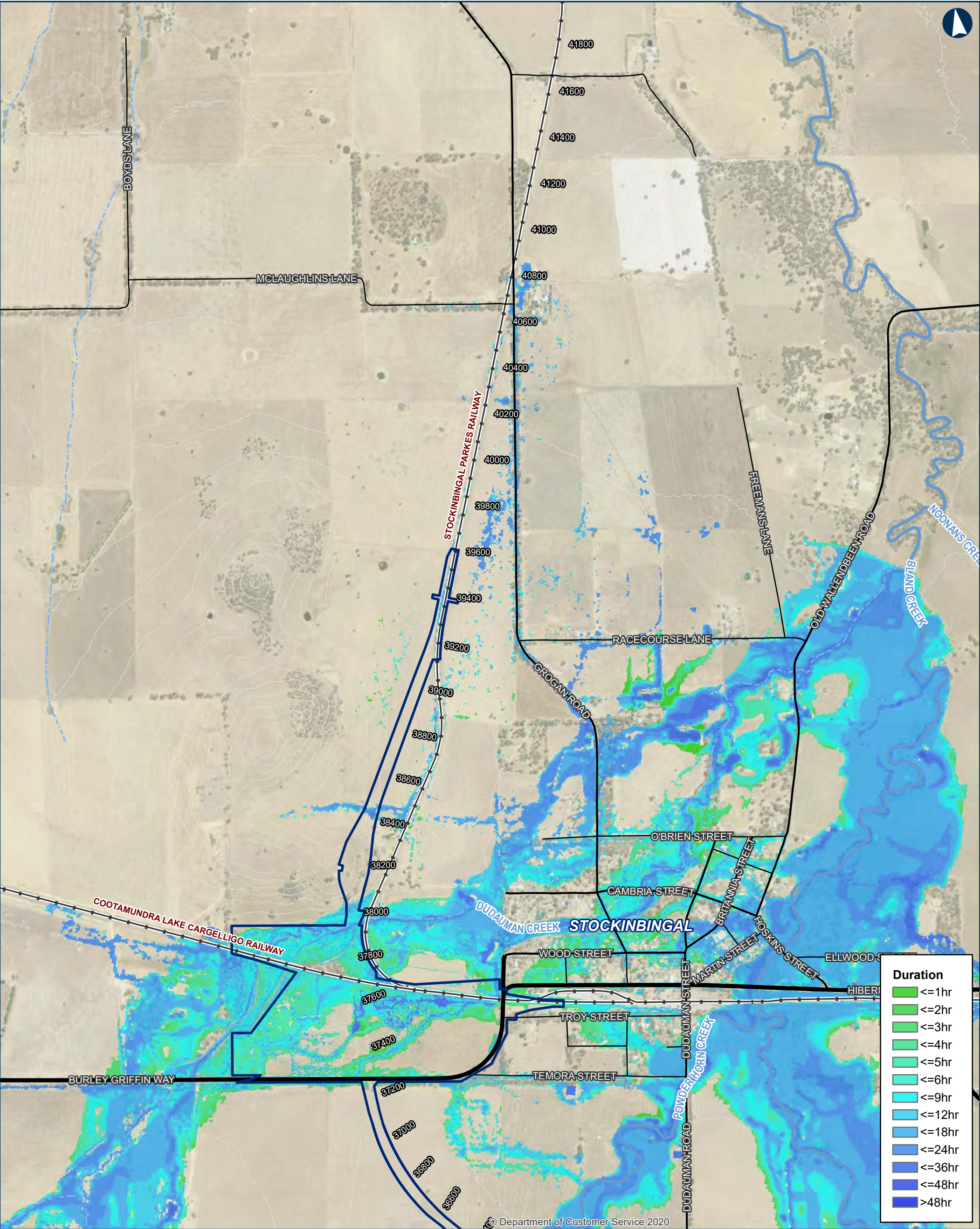
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Duration

Map 9 of 9

0 200 400  
Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

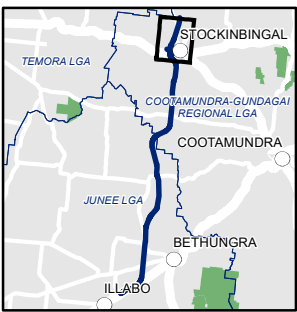
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road



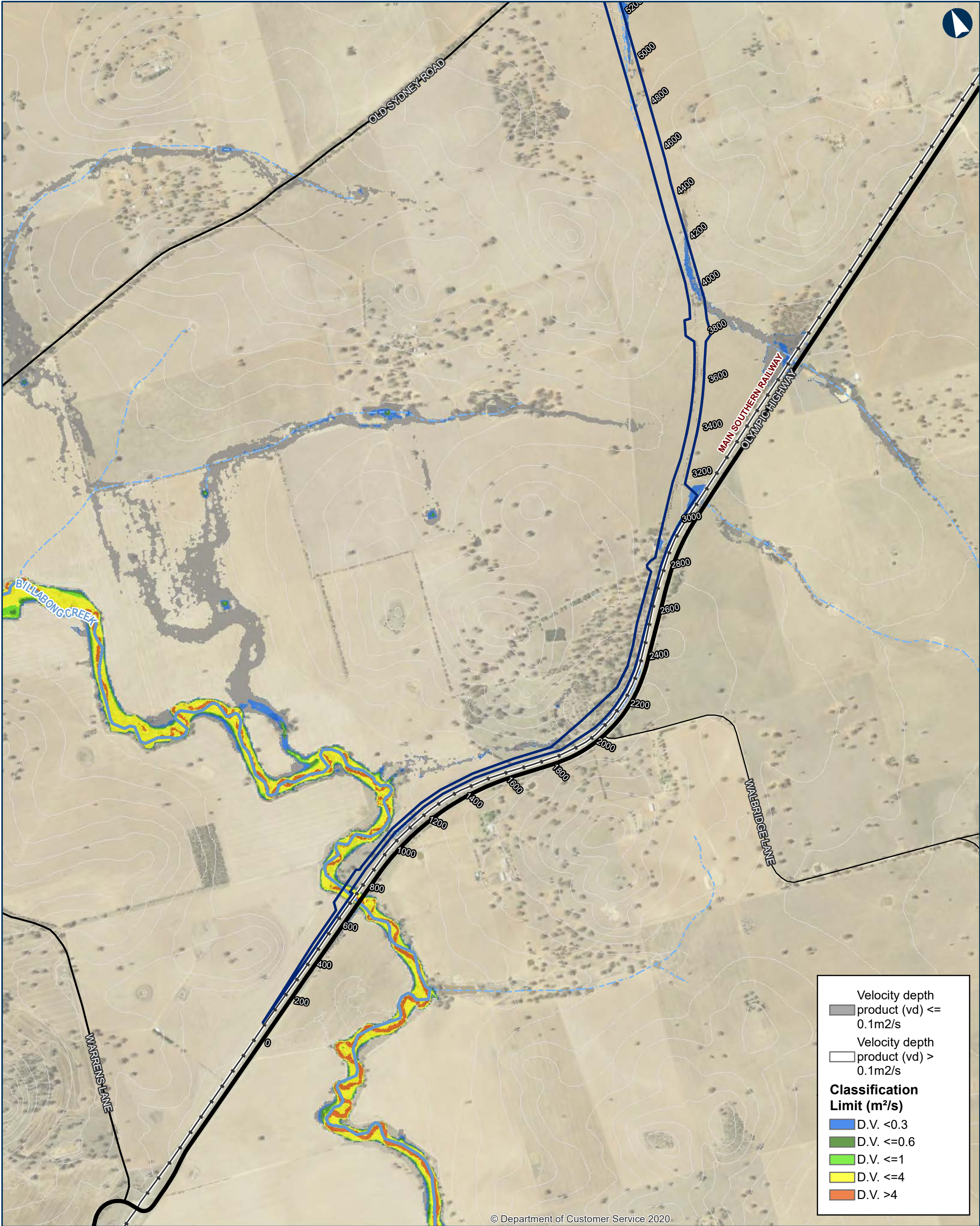
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## C.4 Flood hazard





0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

Date: 5/10/2023

Author: IRDJV

Data Sources: IRDJV, ARTC, LPI

Paper: A3

Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

Velocity depth product (vd) <= 0.1m2/s

Velocity depth product (vd) > 0.1m2/s

**Classification Limit (m²/s)**

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

Map 1 of 9

ILLABO

STOCKINBINGAL

TEMORA LGA

COOTAMUNDRA-GUNDAGAI REGIONAL LGA

COOTAMUNDRA

JUNEE LGA

BETHUNGRA

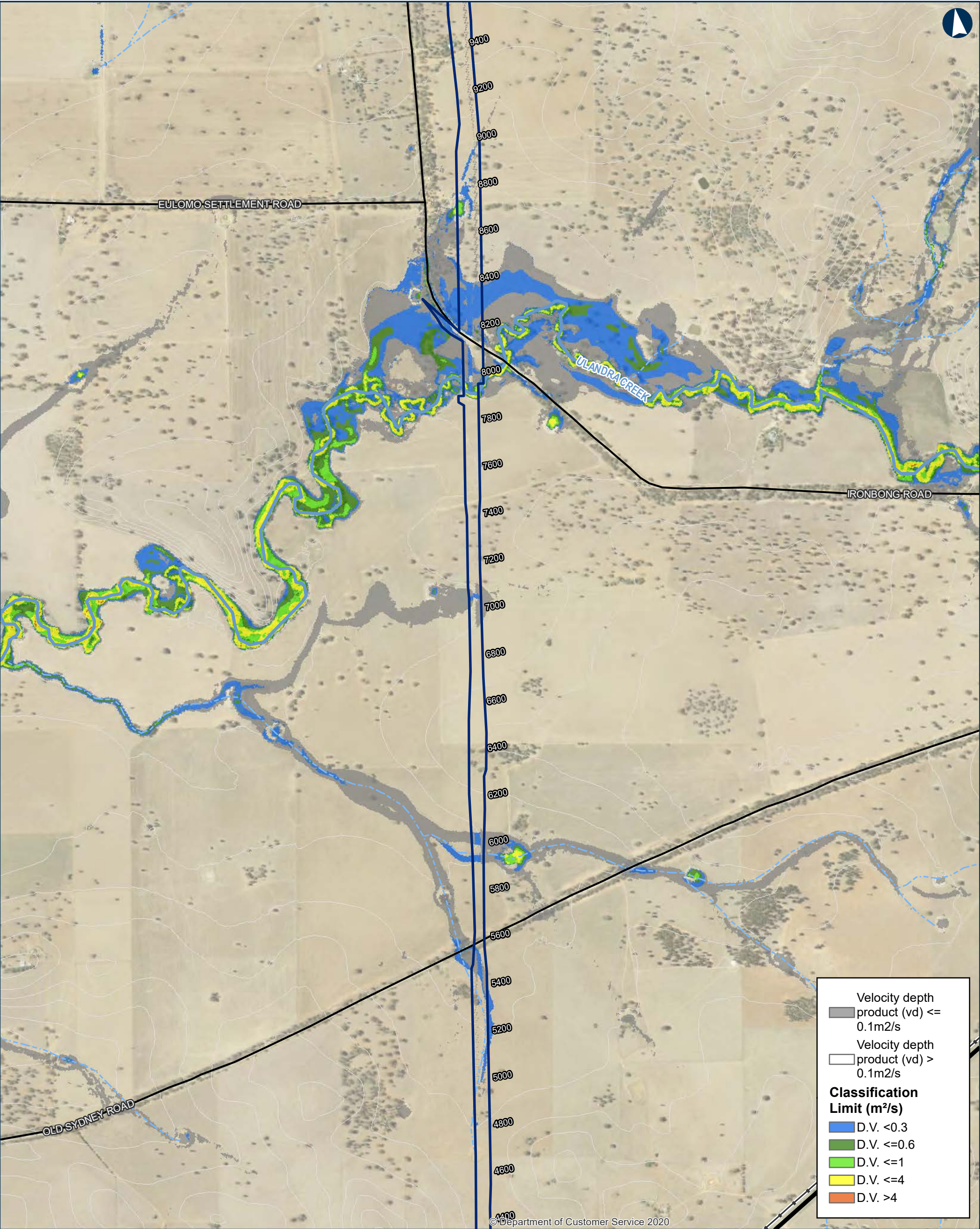
INLAND RAIL

ARTC

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Velocity depth product (vd)  $\leq$  0.1m<sup>2</sup>/s

Velocity depth product (vd)  $>$  0.1m<sup>2</sup>/s

**Classification Limit (m<sup>2</sup>/s)**

- D.V.  $<$ 0.3
- D.V.  $\leq$ 0.6
- D.V.  $\leq$ 1
- D.V.  $\leq$ 4
- D.V.  $>$ 4

ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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 Data Sources: IRDJV, ARTC, LPI

Paper: A3  
 Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

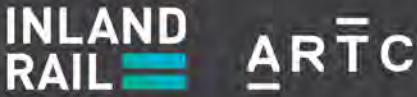
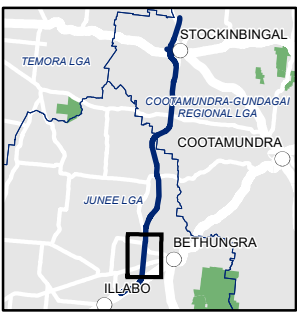
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

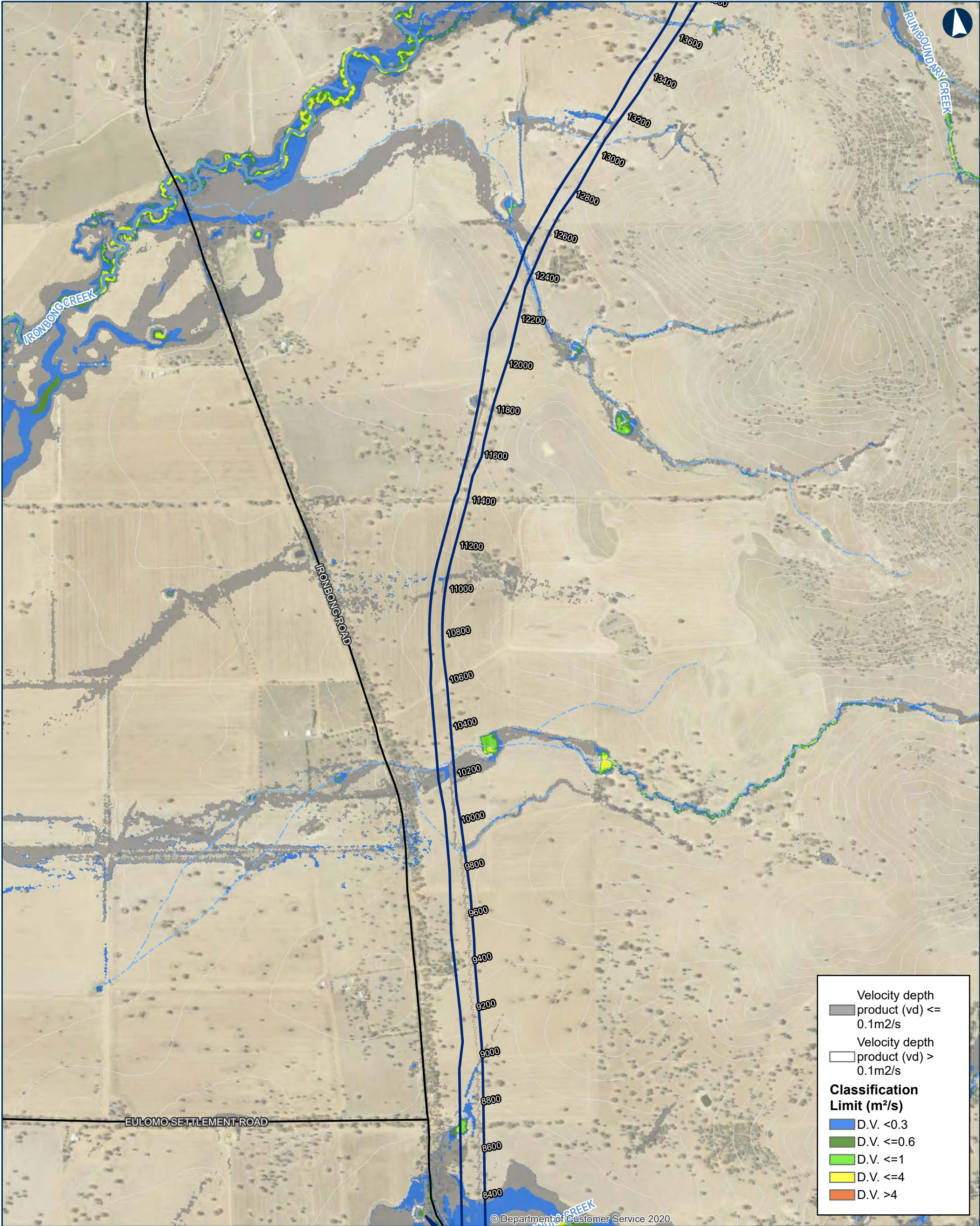
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

Map 3 of 9

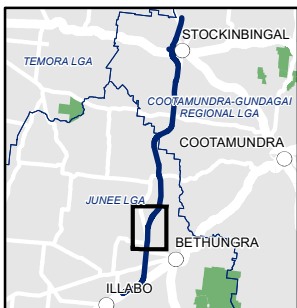
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: IRDJV Scale: 1:15,000  
Data Sources: IRDJV, ARTC, LPI

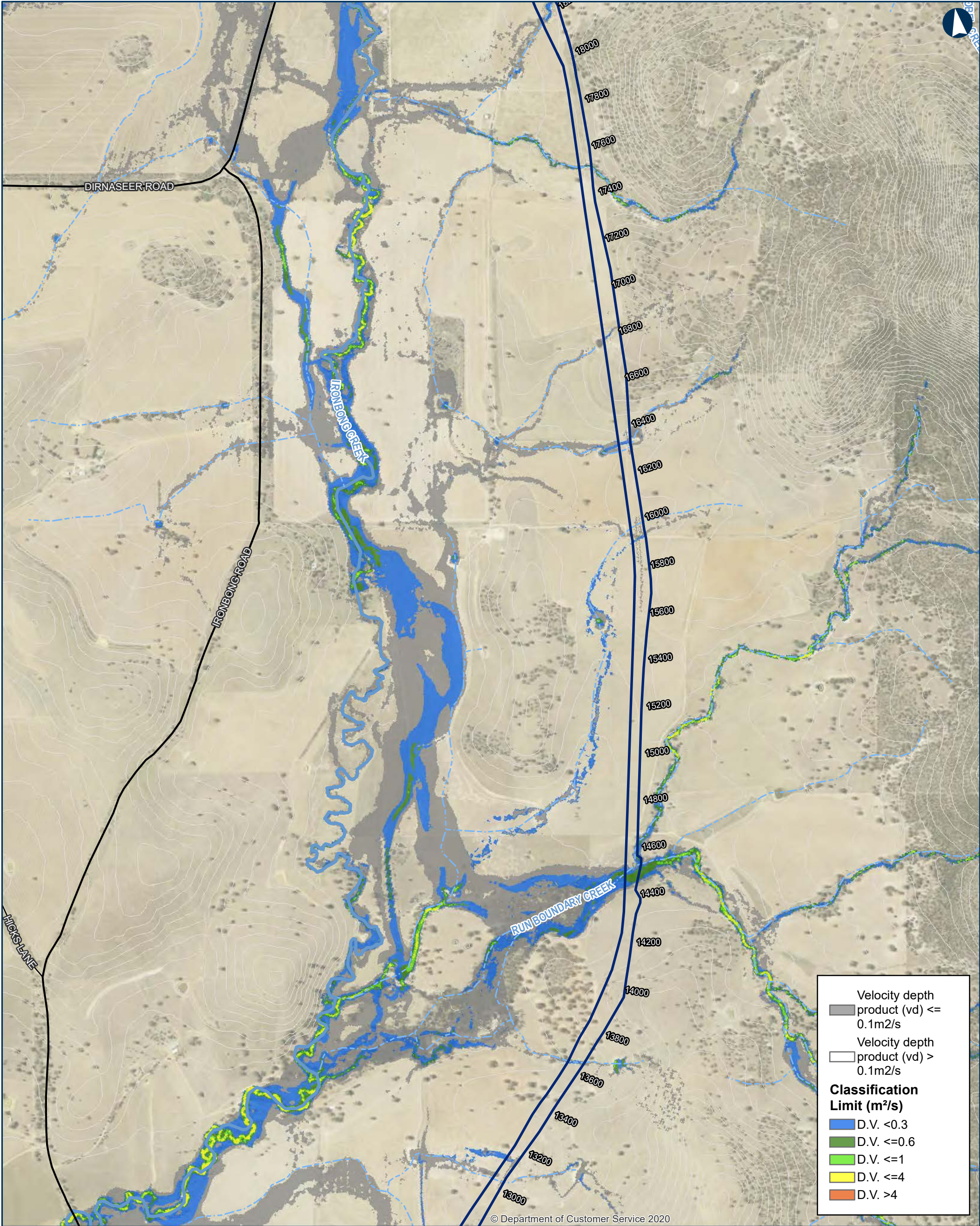
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal)
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

Map 4 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

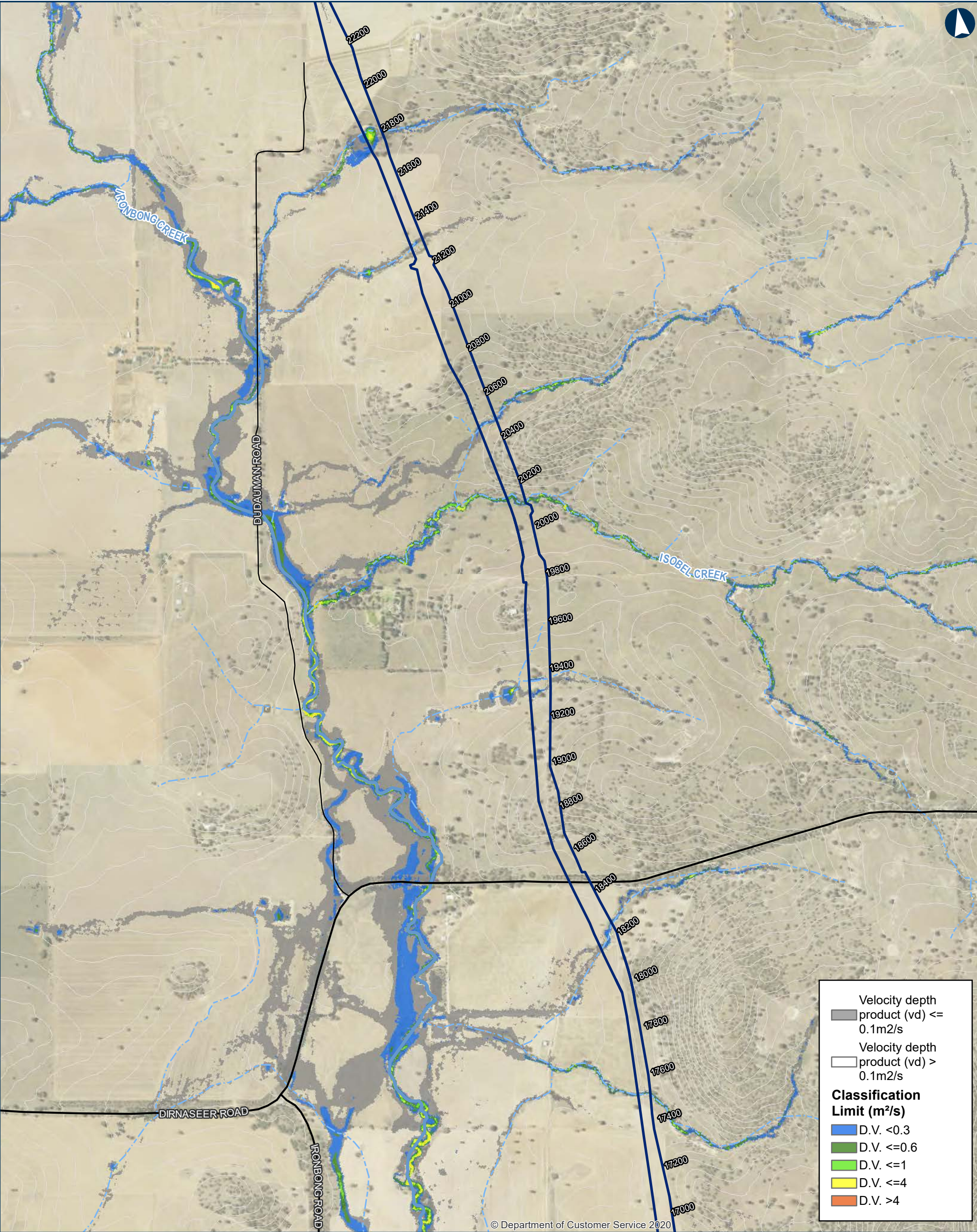
Sub-arterial road

Arterial road

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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

Map 5 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

Map 6 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

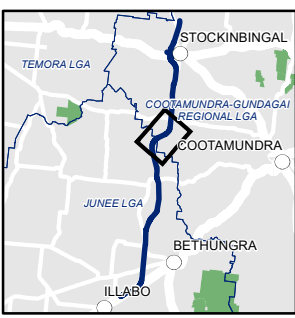
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

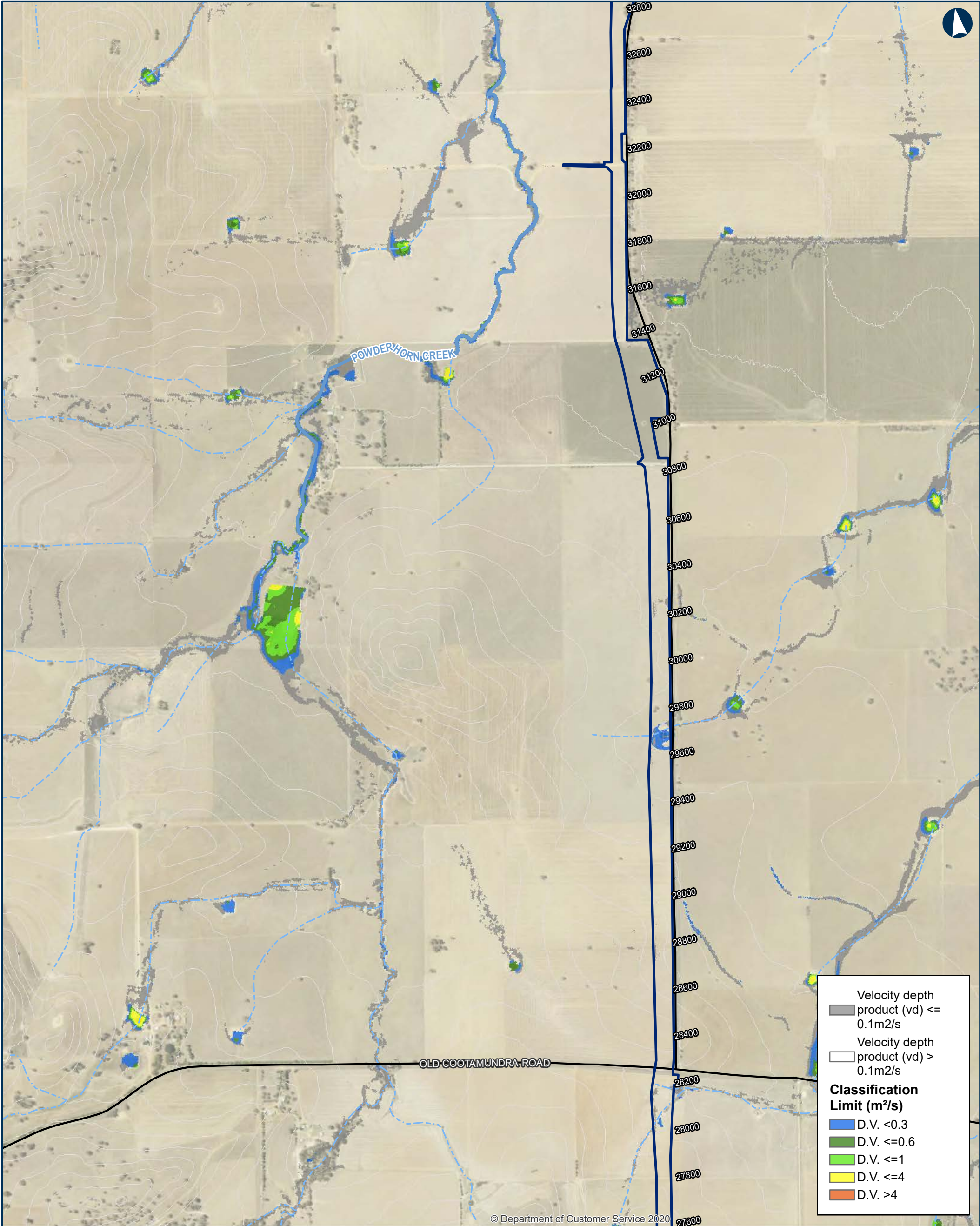
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

Map 7 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

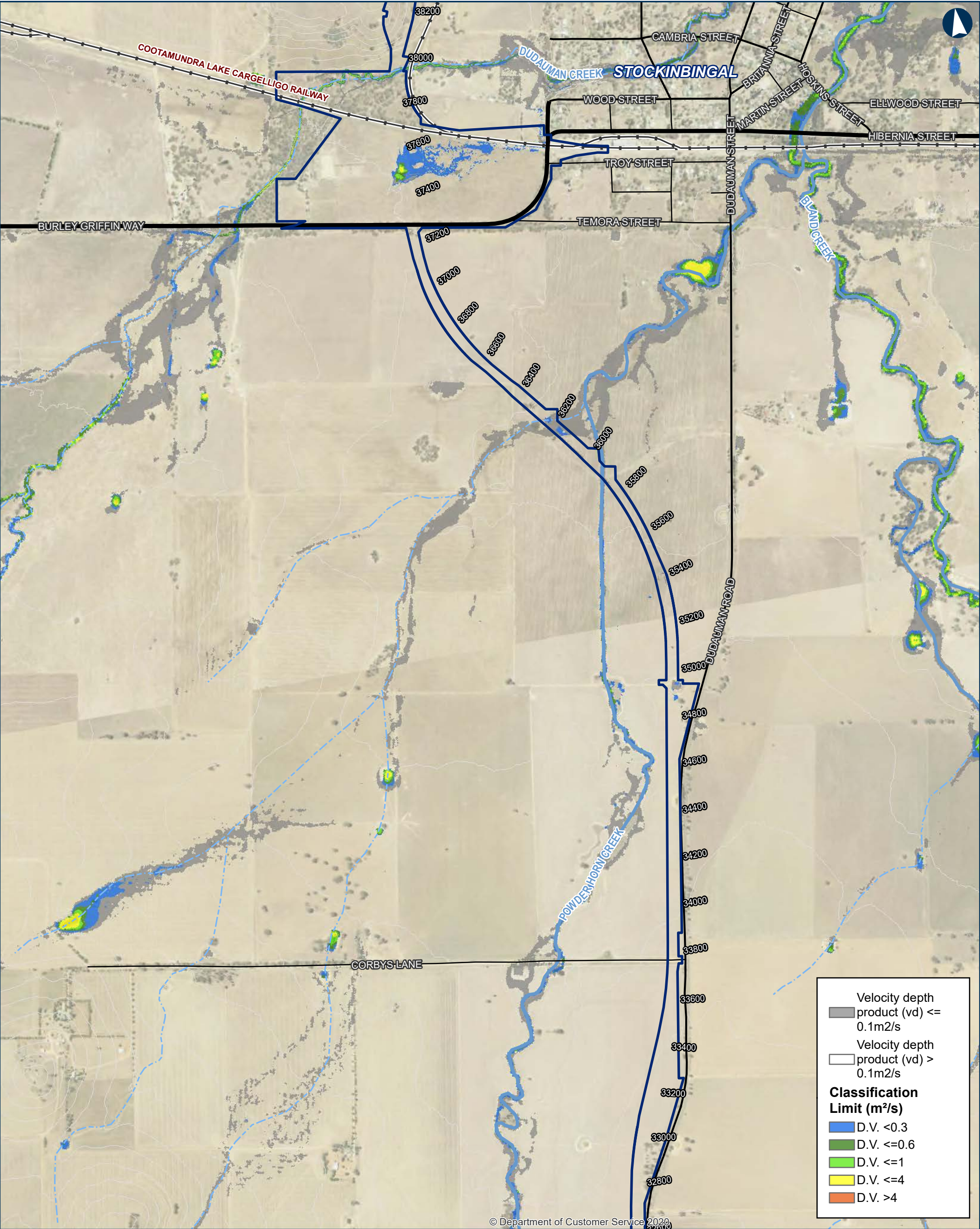
Sub-arterial road

Arterial road

**INLAND RAIL** **ARTC**

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





ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

Map 8 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

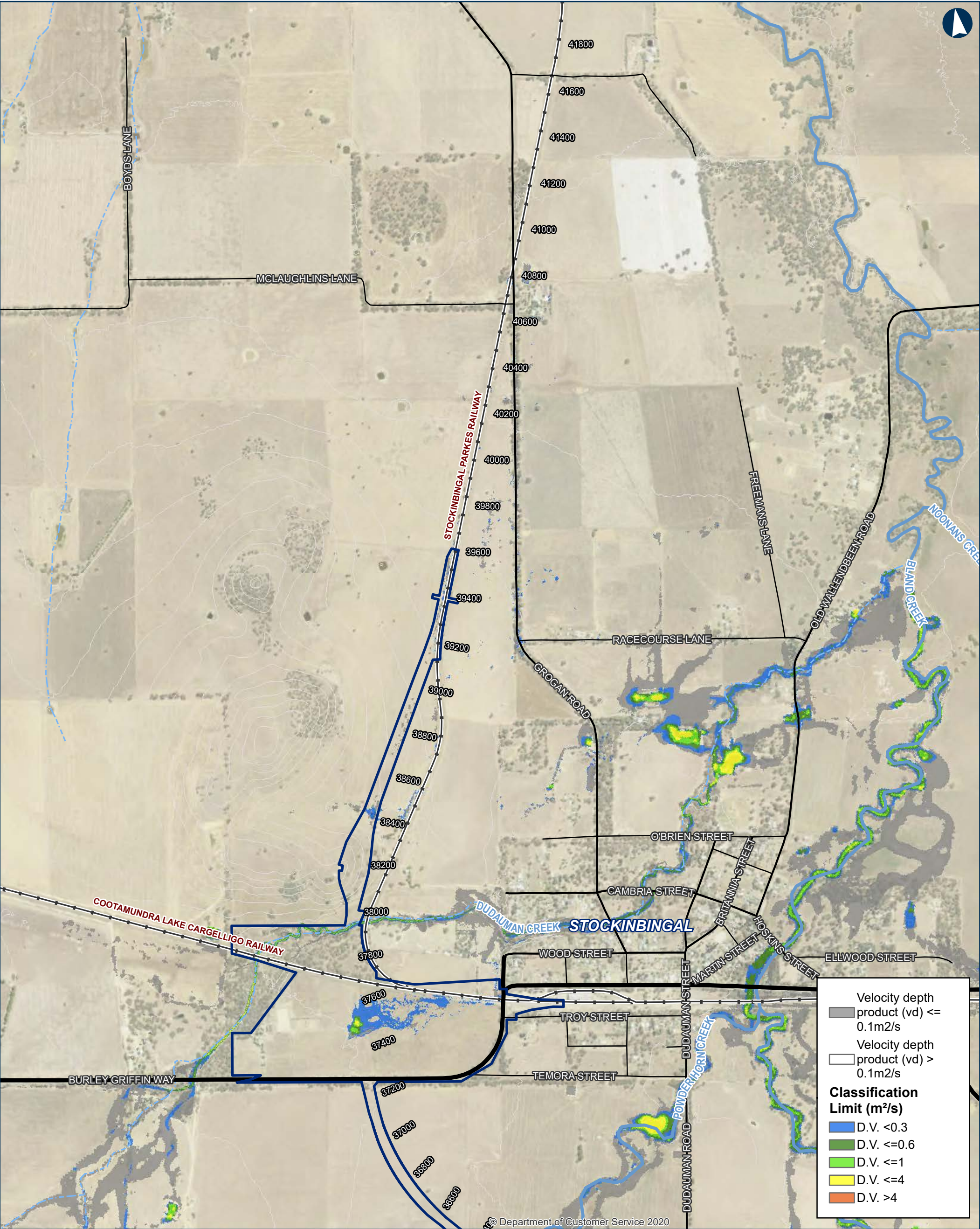
Sub-arterial road

Arterial road

**INLAND RAIL** **ARTC**

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ILLABO TO STOCKINBINGAL 0.2 EY Flood Existing Hazard

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

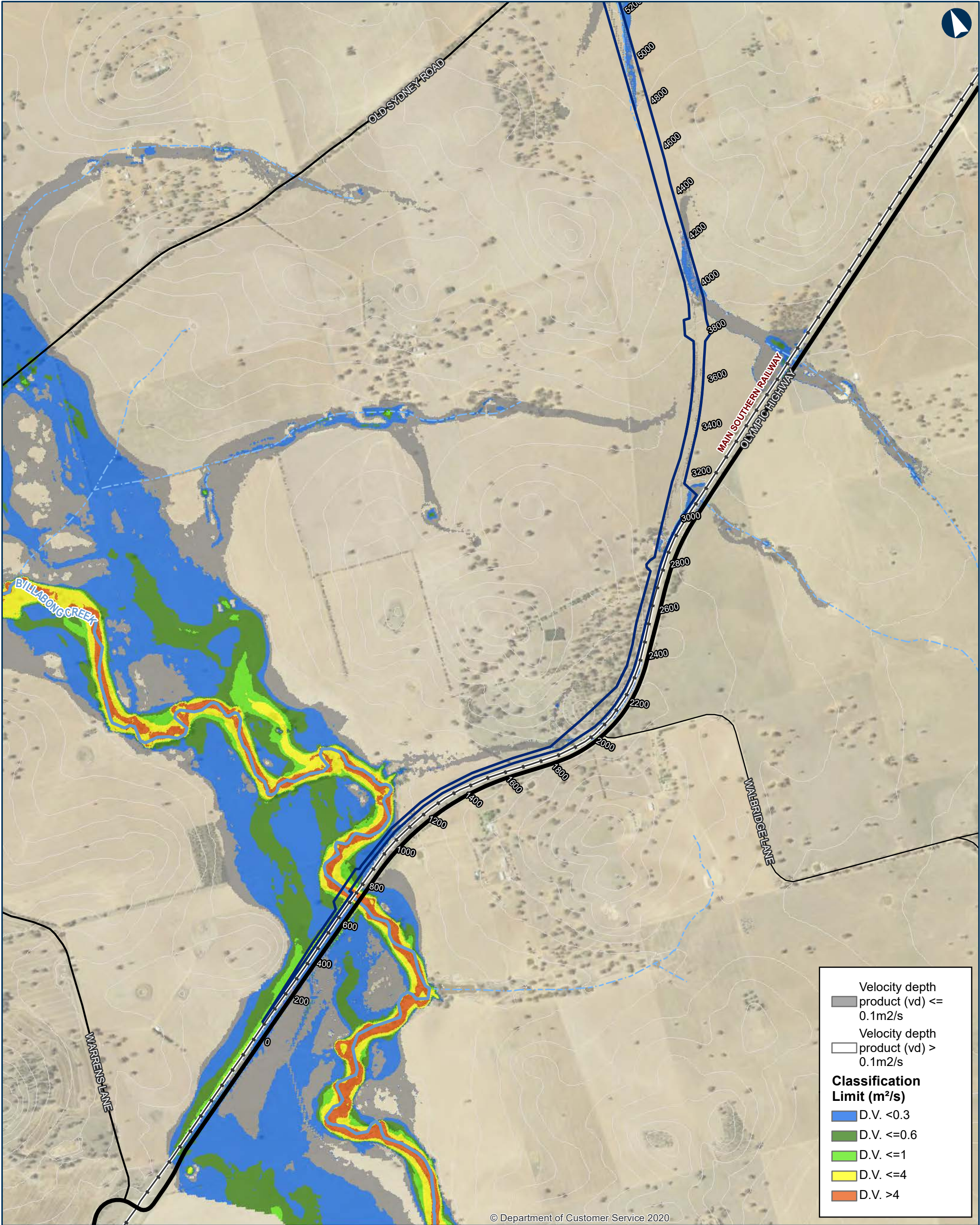
Sub-arterial road

Arterial road



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Velocity depth product (vd) <= 0.1m2/s

Velocity depth product (vd) > 0.1m2/s

Classification Limit (m²/s)

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

Map 1 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

STOCKINBINGAL

TEMORA LGA

COOTAMUNDRA-GUNDAGAI REGIONAL LGA

COOTAMUNDRA

JUNE LGA

BETHUNGRA

ILLABO

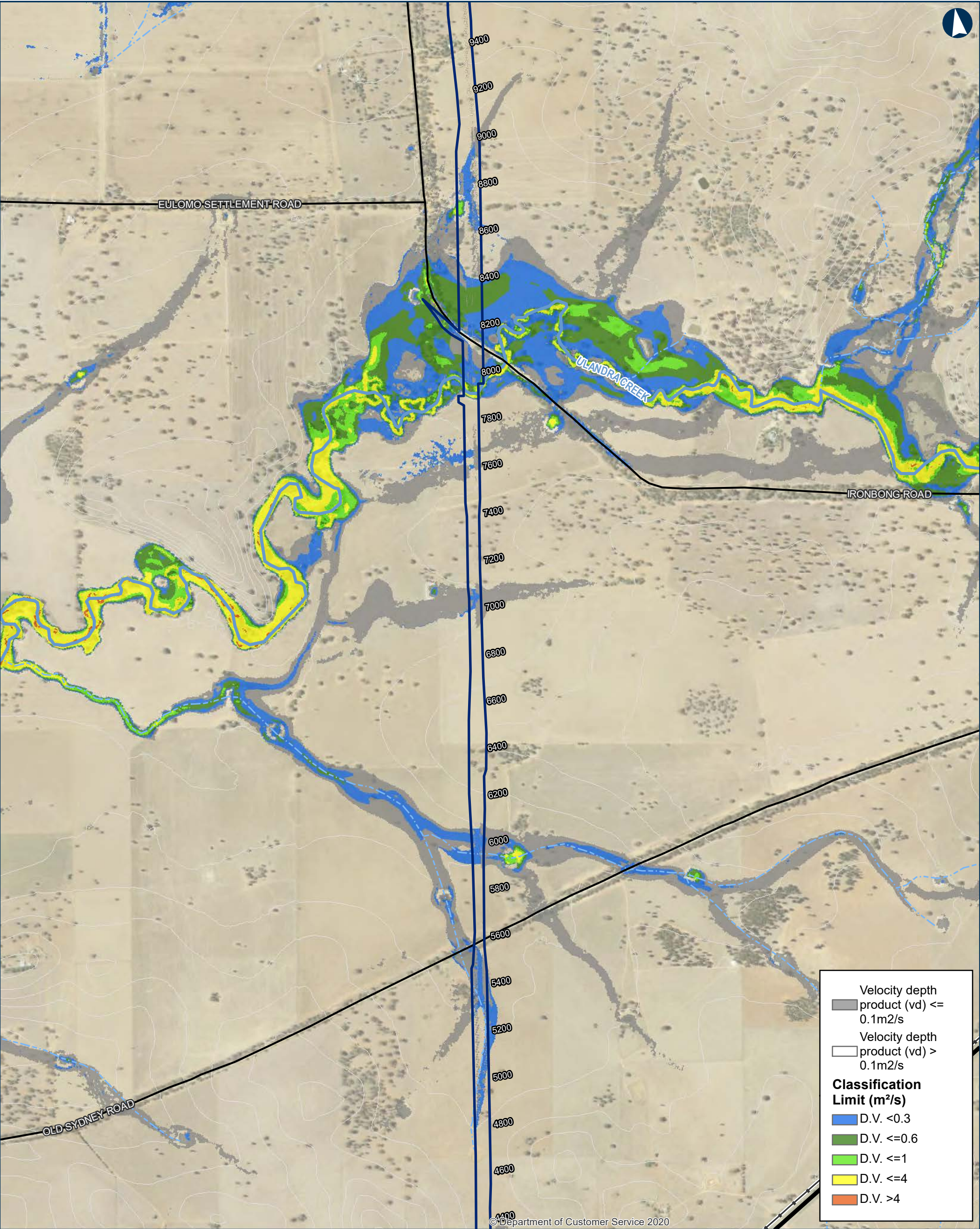
INLAND RAIL

ARTC

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\\corp.pbwan.net\ANZ\Projects\IPS108286\_Inland\_Rail\_Illab4\_WIP\GIS\AWS\IPS108286\_I2SITasks\220\_0122\_HYD\_HydrologyReport\June2023\Documents\10AEP\220\_0122\_HYD\_10AEPExistingHazard\_v5.mxd





ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

Map 2 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

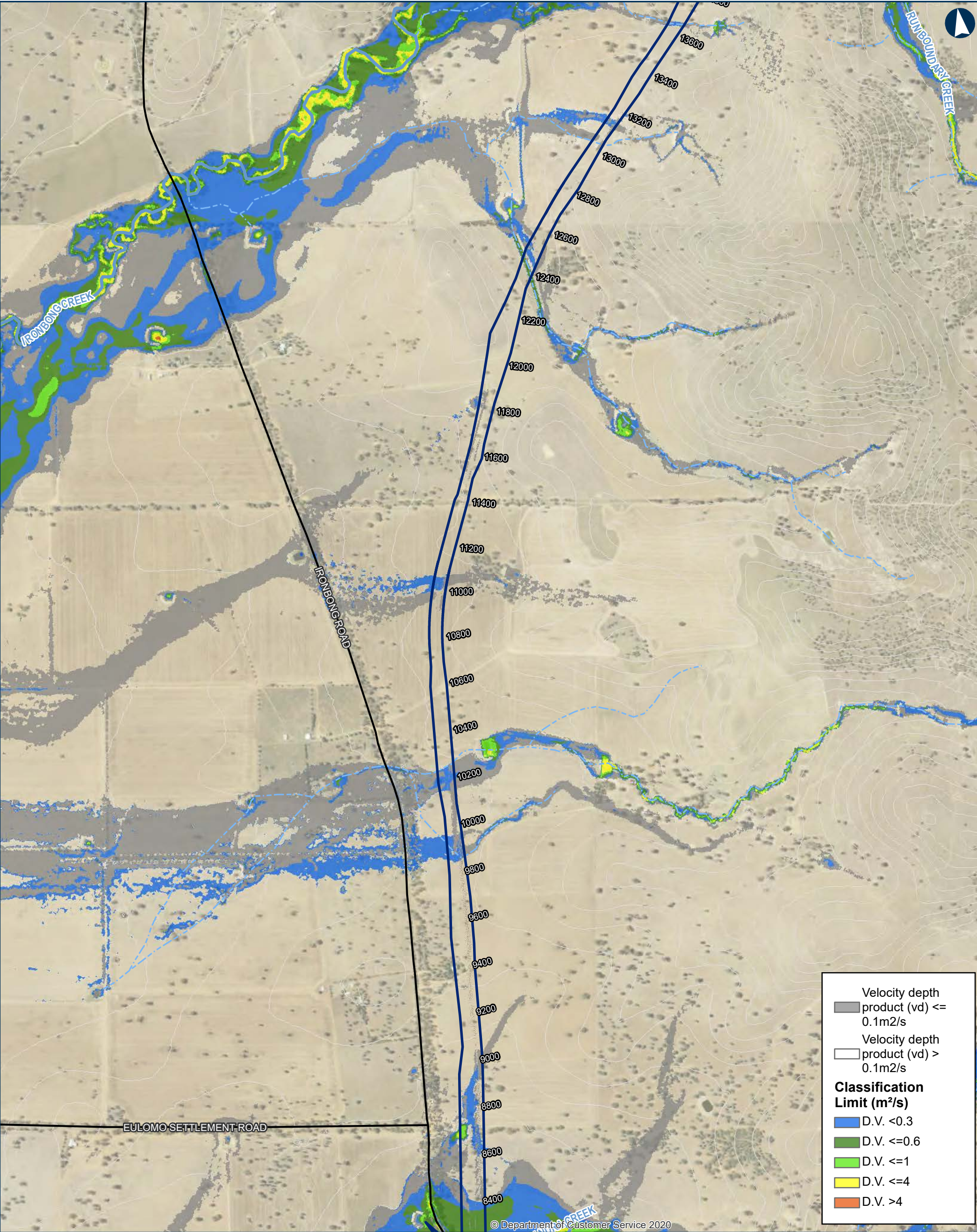
Arterial road



INLAND RAIL ARTC

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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

Map 3 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

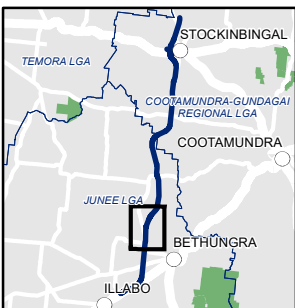
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

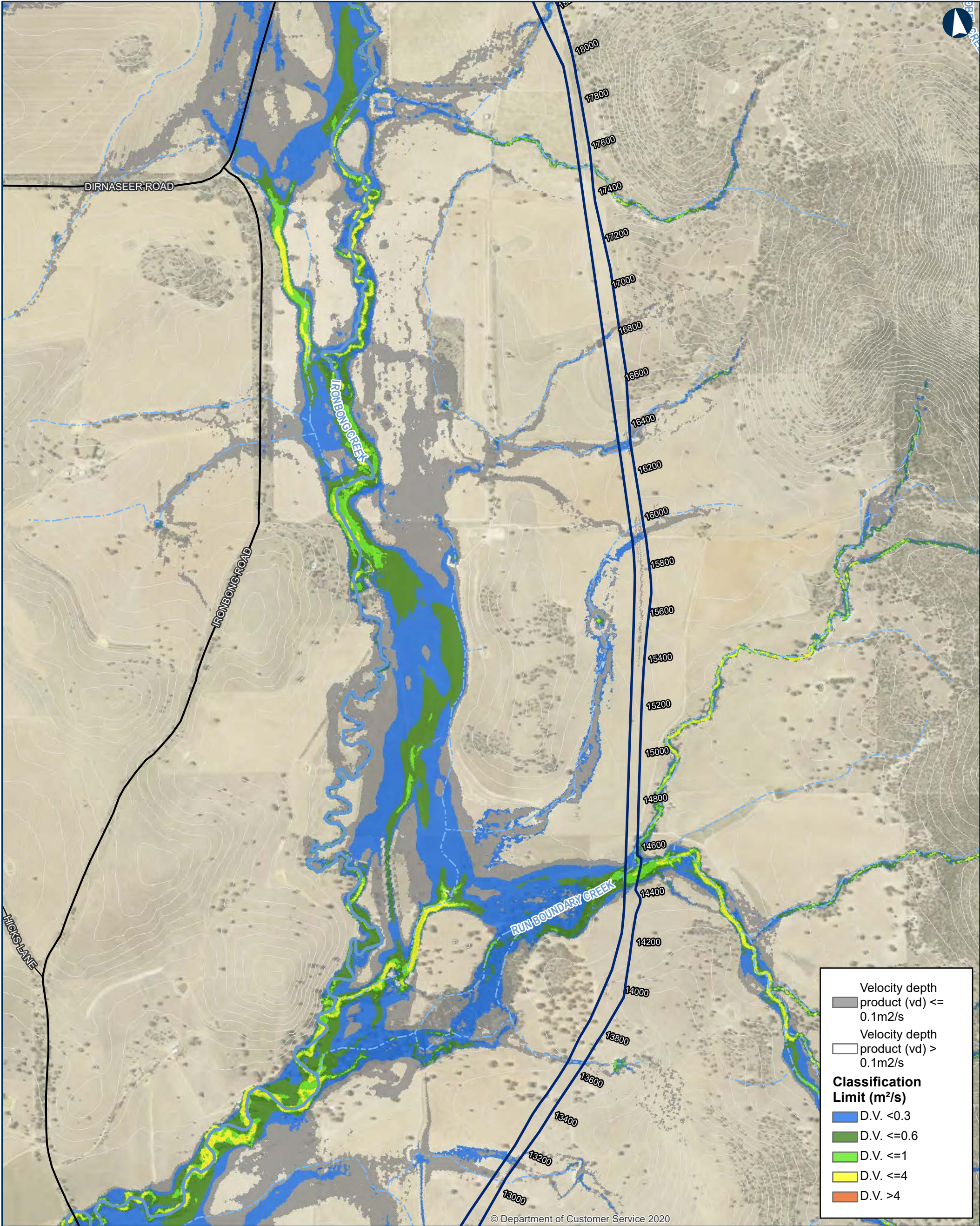
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

Map 4 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

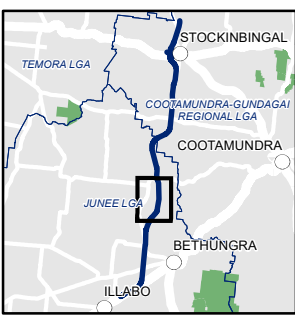
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

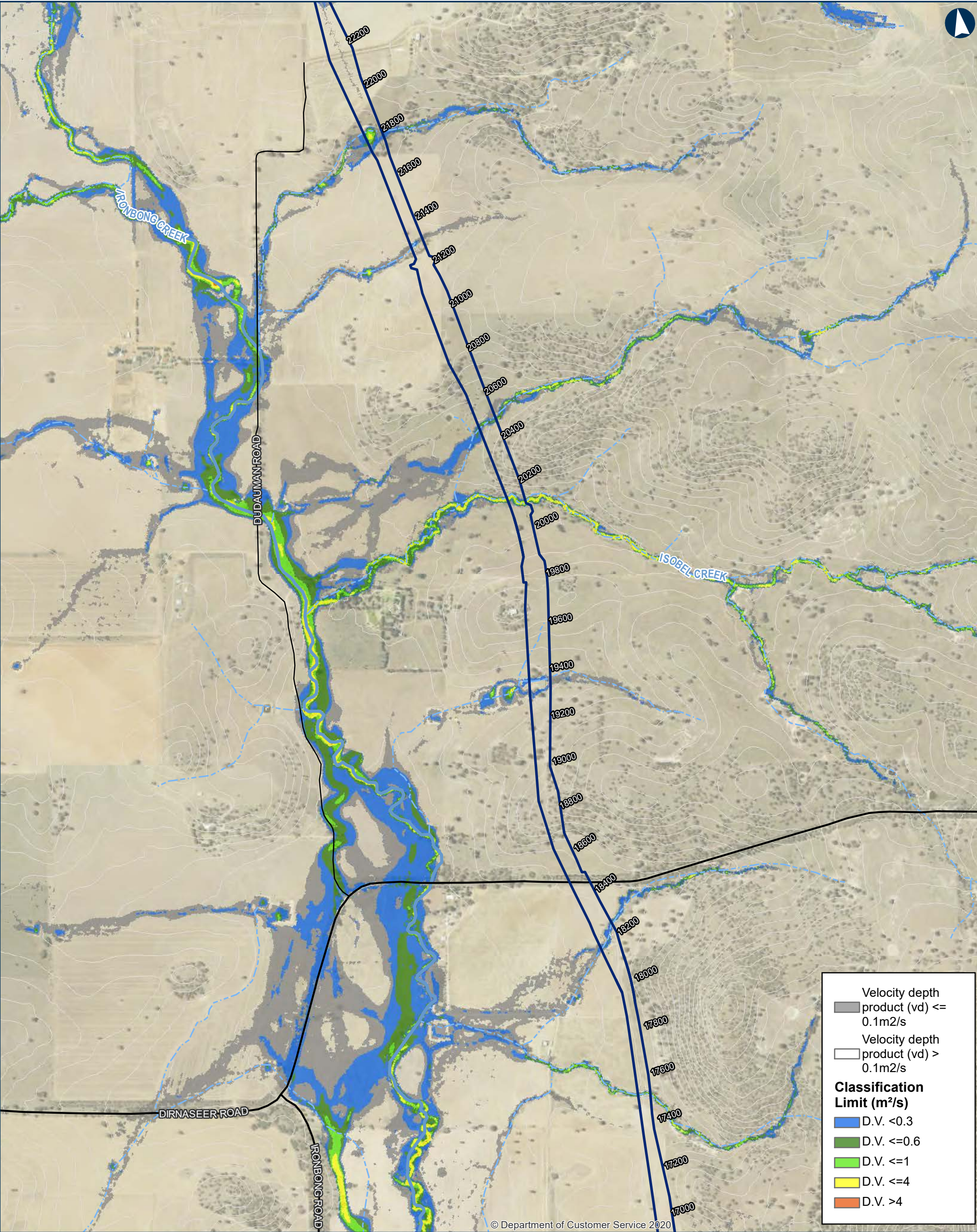
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

Map 5 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

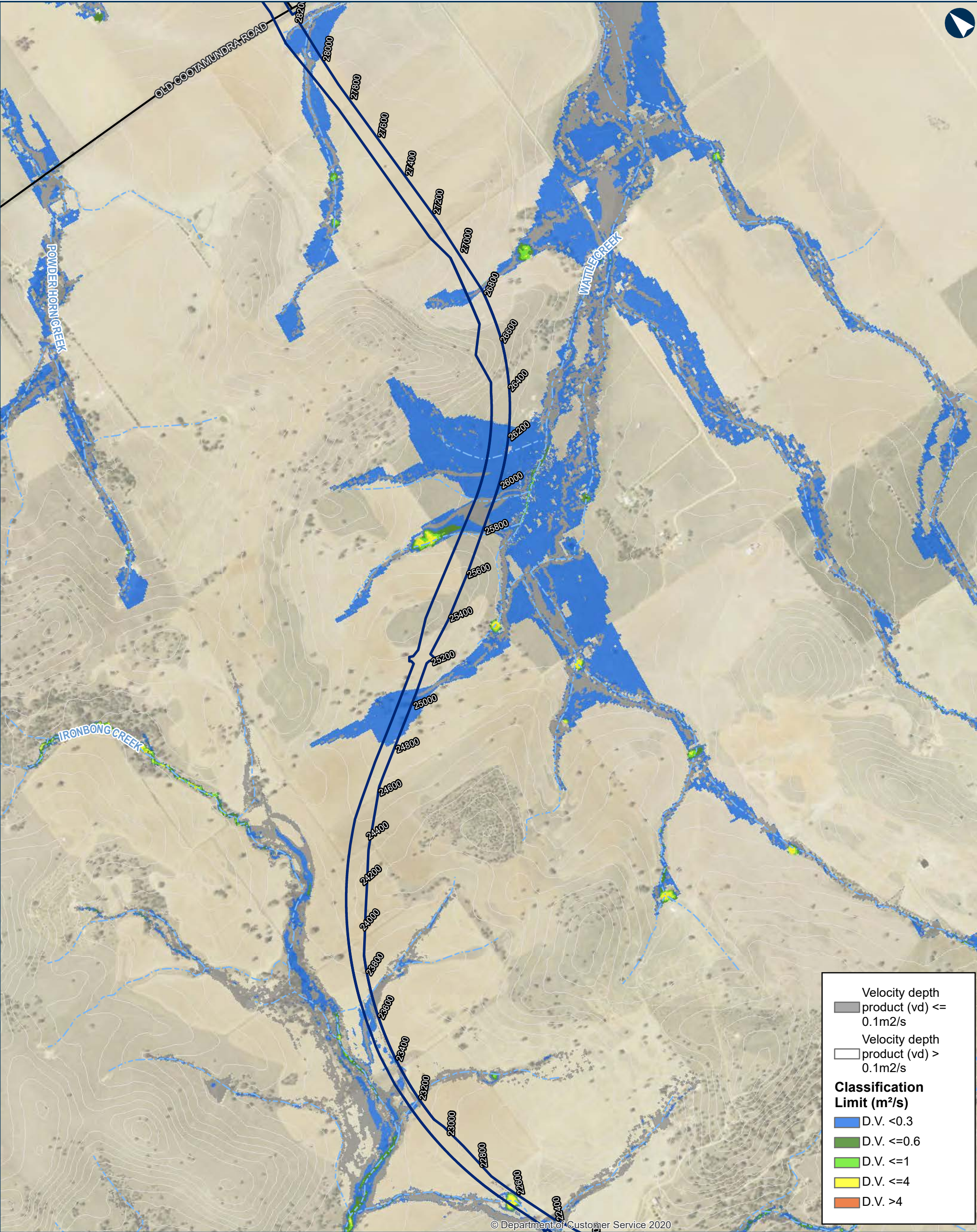
Sub-arterial road

Arterial road

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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

Map 6 of 9

0200400Metres

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

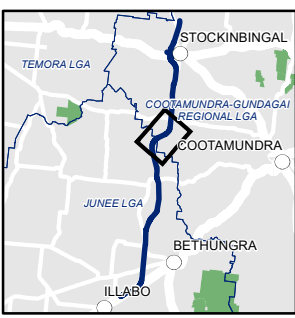
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

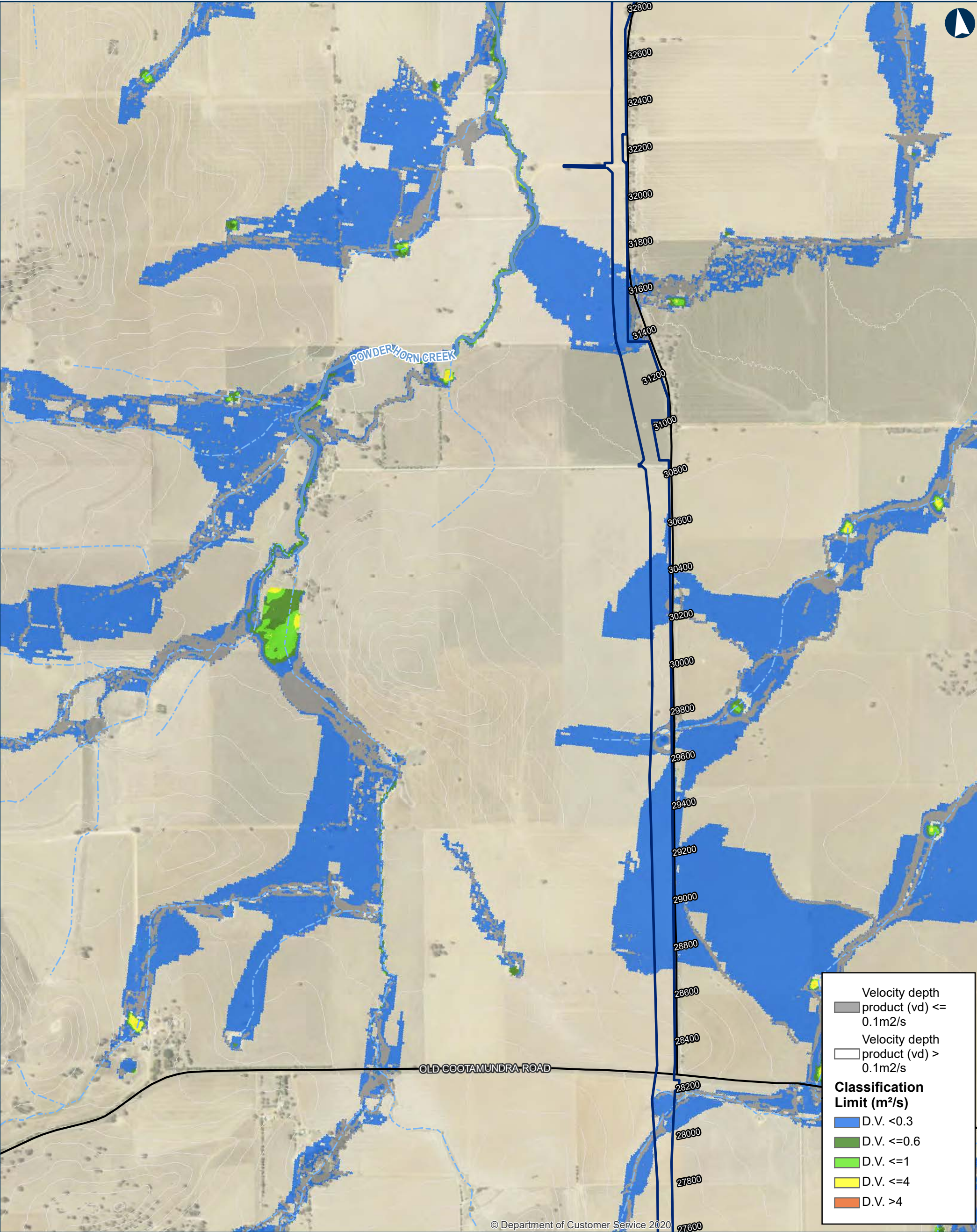
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

0200400Metres

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Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

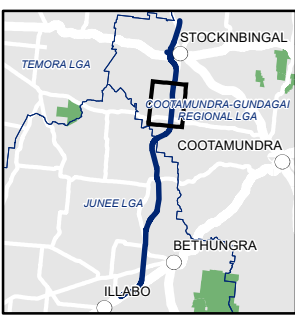
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

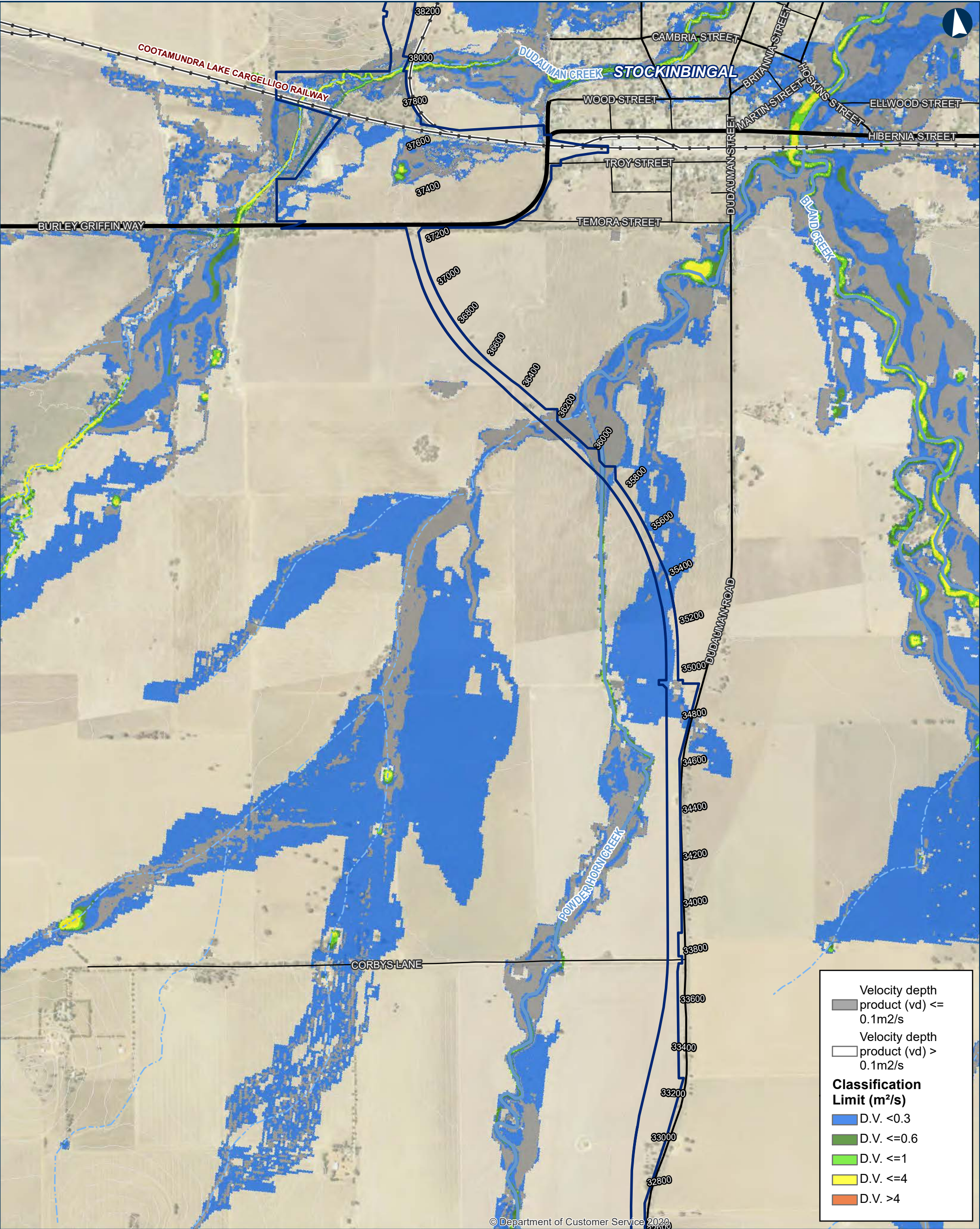
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

Map 8 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

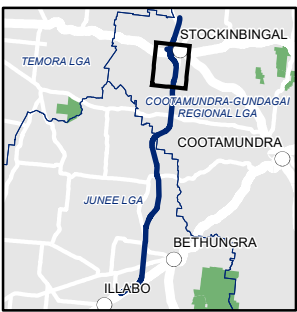
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

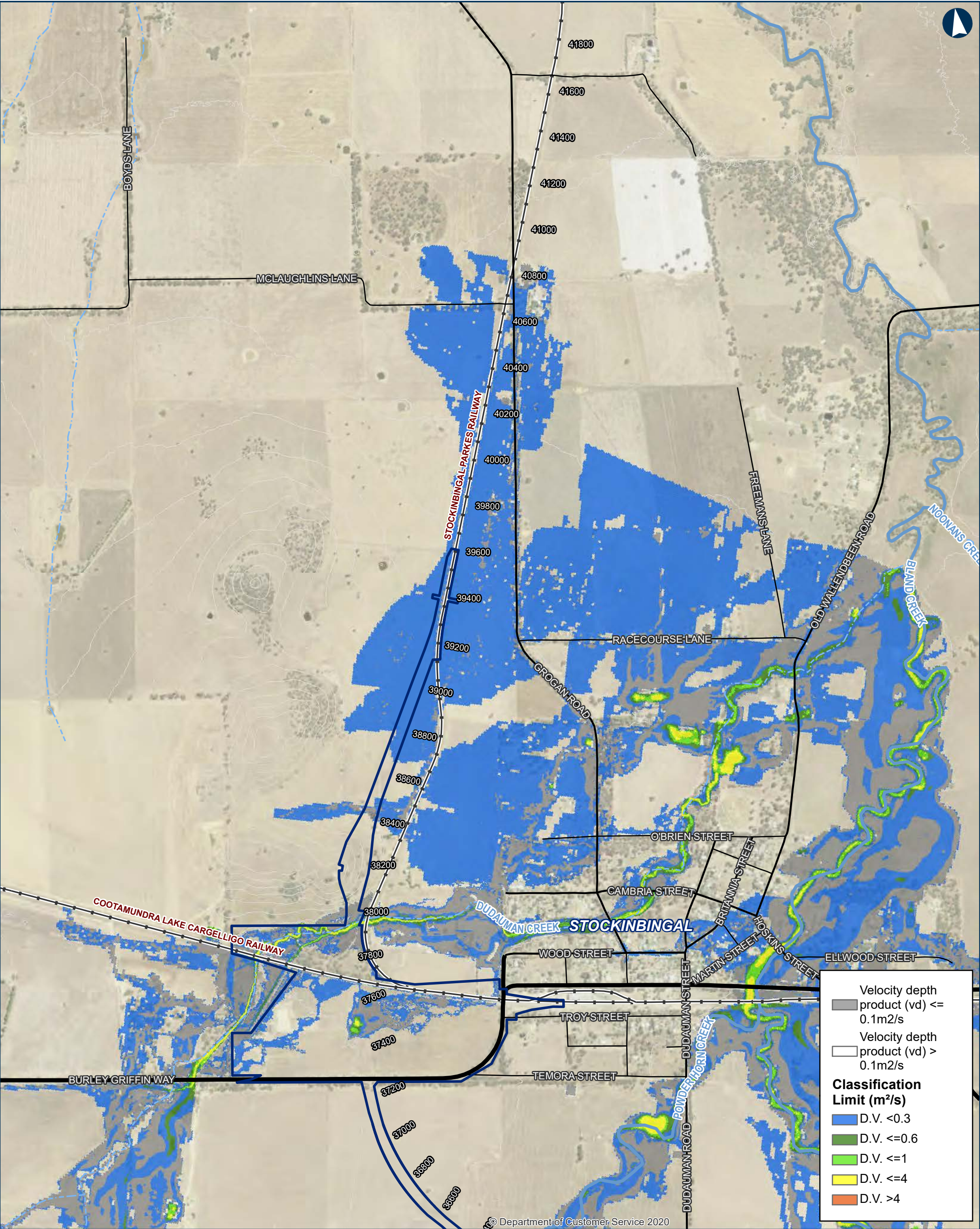
Arterial road



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ILLABO TO STOCKINBINGAL 10% AEP Flood Existing Hazard

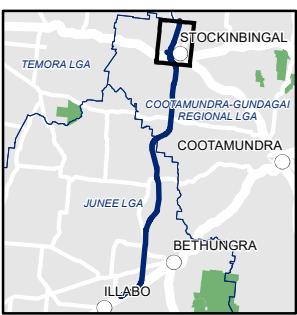
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: IRDJV, ARTC, LPI

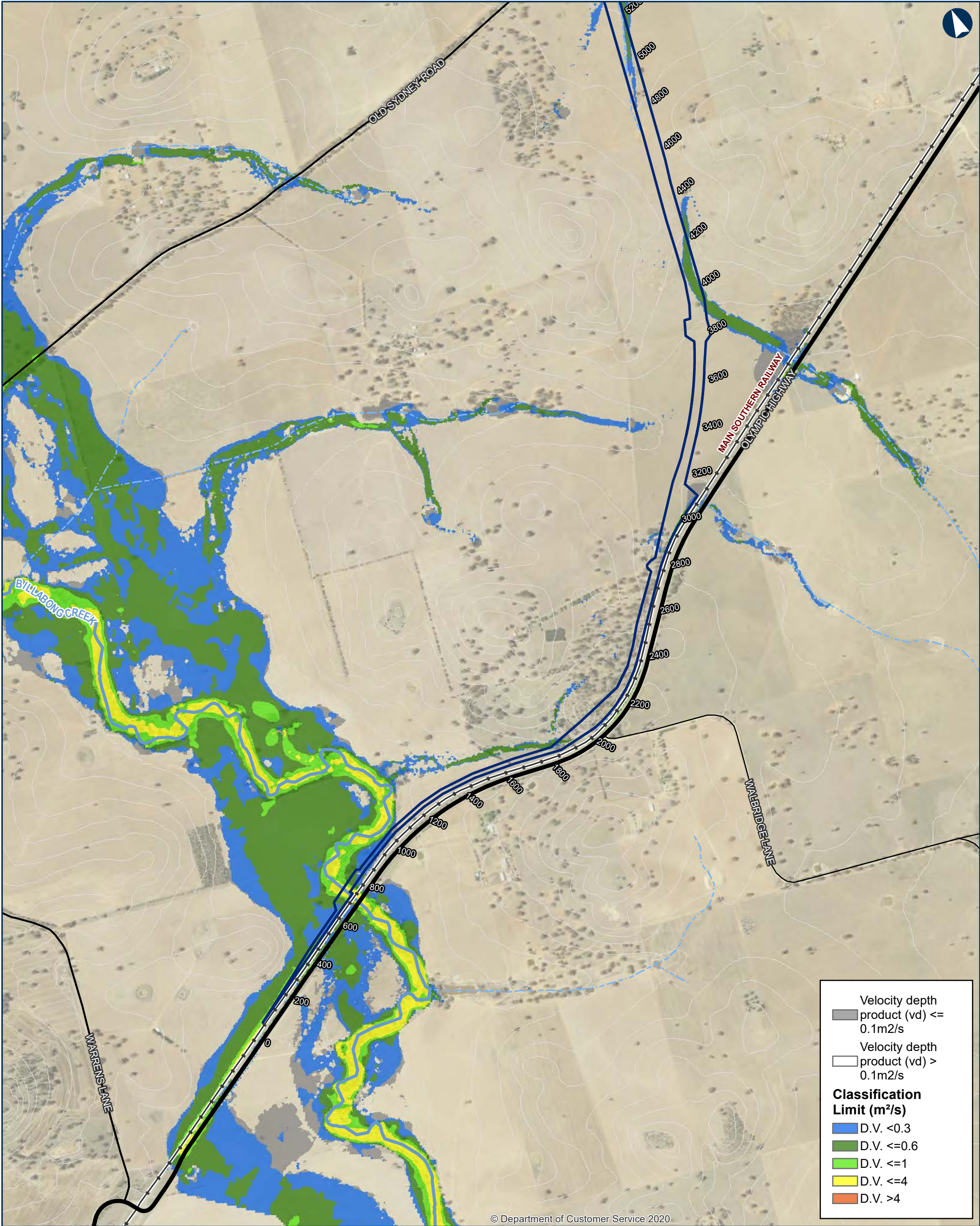
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal) 40950
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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Velocity depth product (vd) <= 0.1m2/s

Velocity depth product (vd) > 0.1m2/s

**Classification Limit (m²/s)**

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Hazard

Map 1 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Scale: 1:15,000

- Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

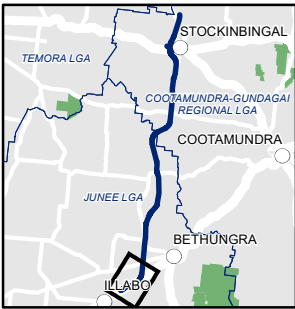
Existing rail

Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

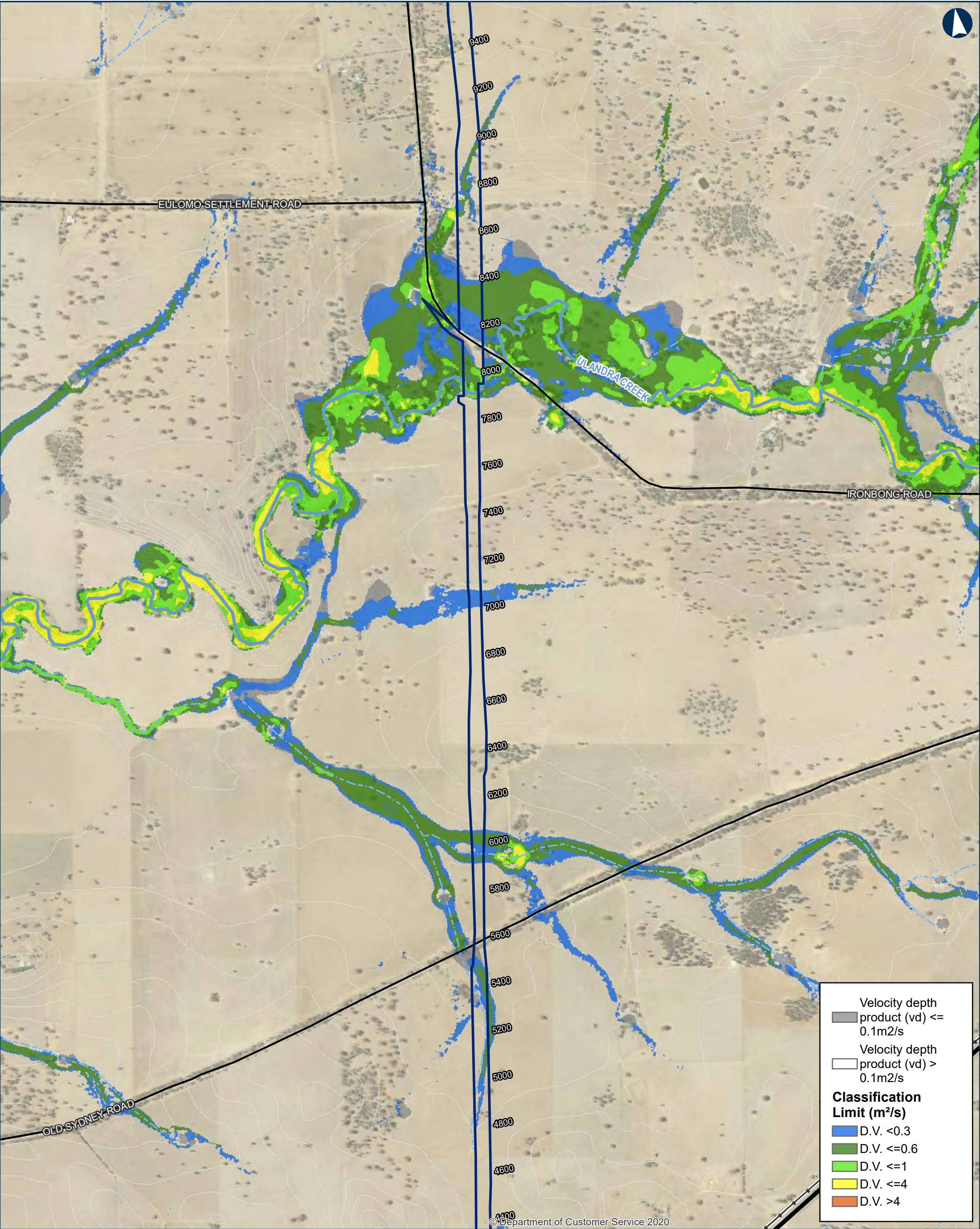
Arterial road



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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Hazard

Map 2 of 9

0200400Metres

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Paper: A3

Author: IRDJV

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

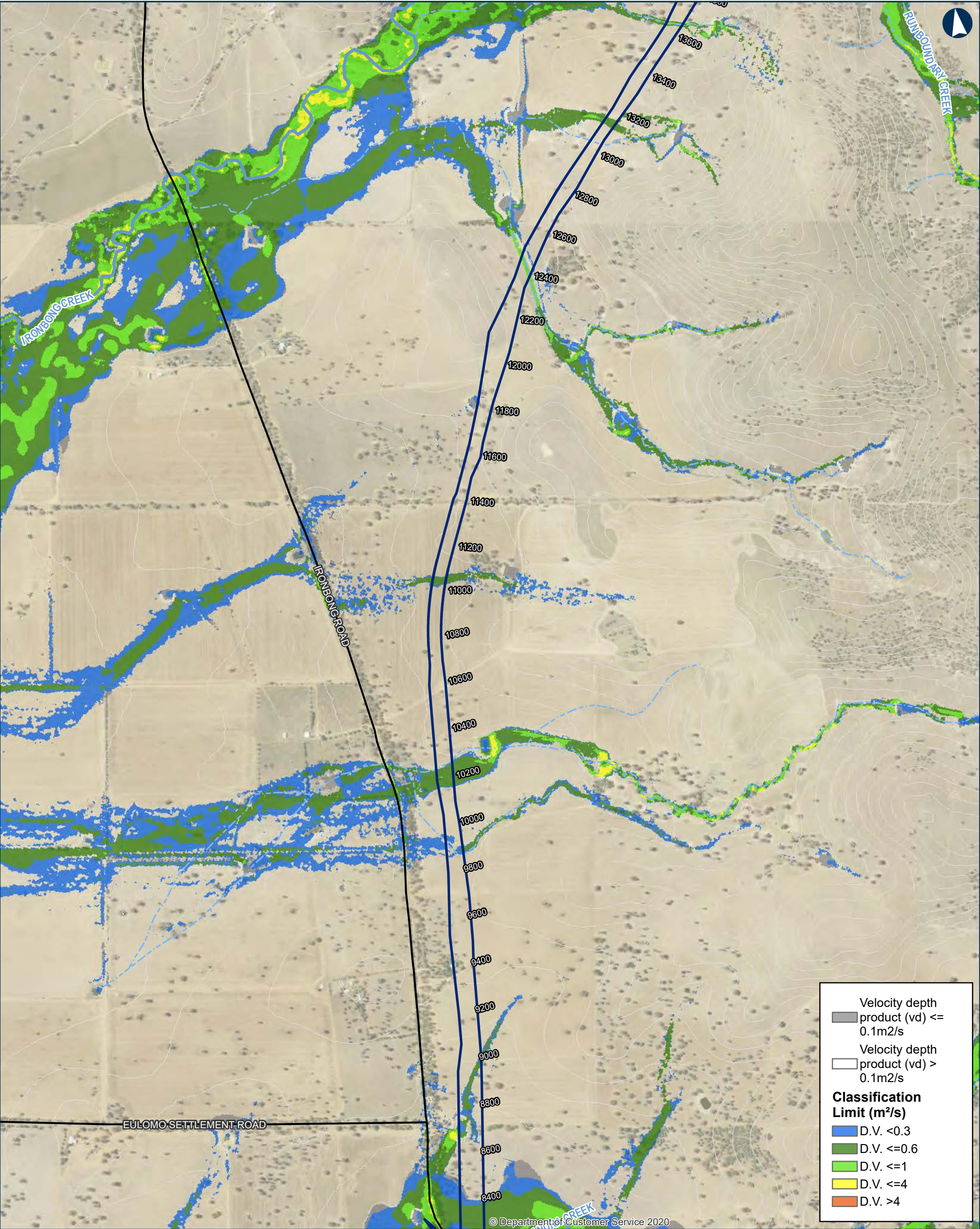
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Hazard

Map 3 of 9

0200400Metres

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Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

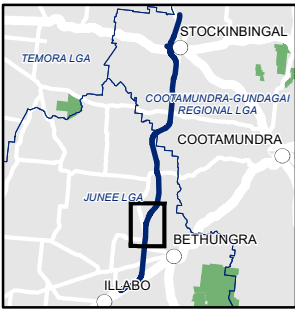
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

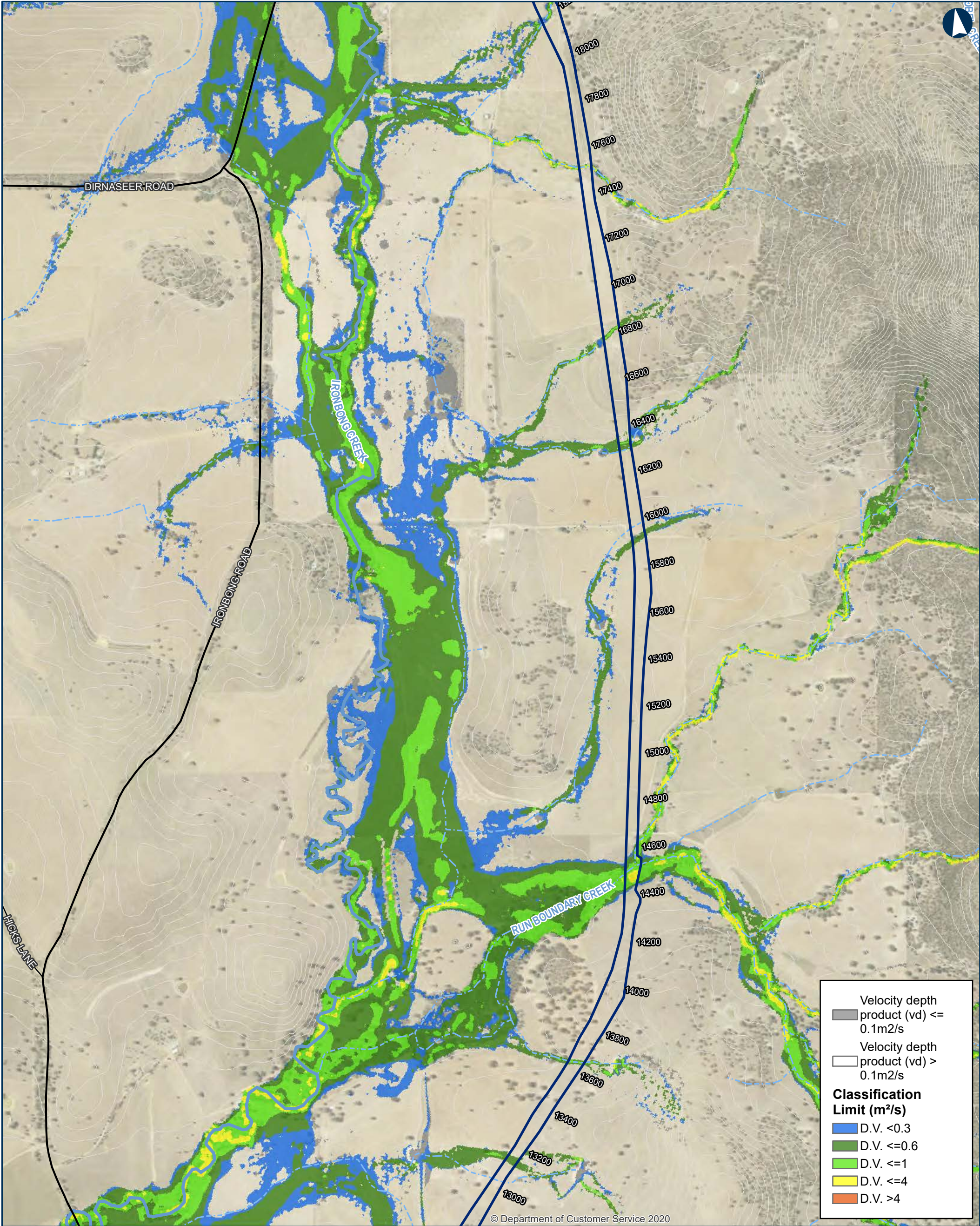
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Hazard

Map 4 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

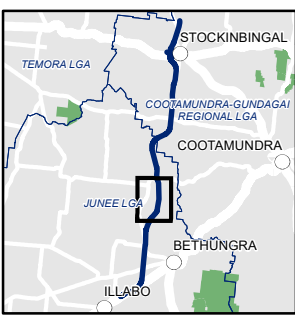
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

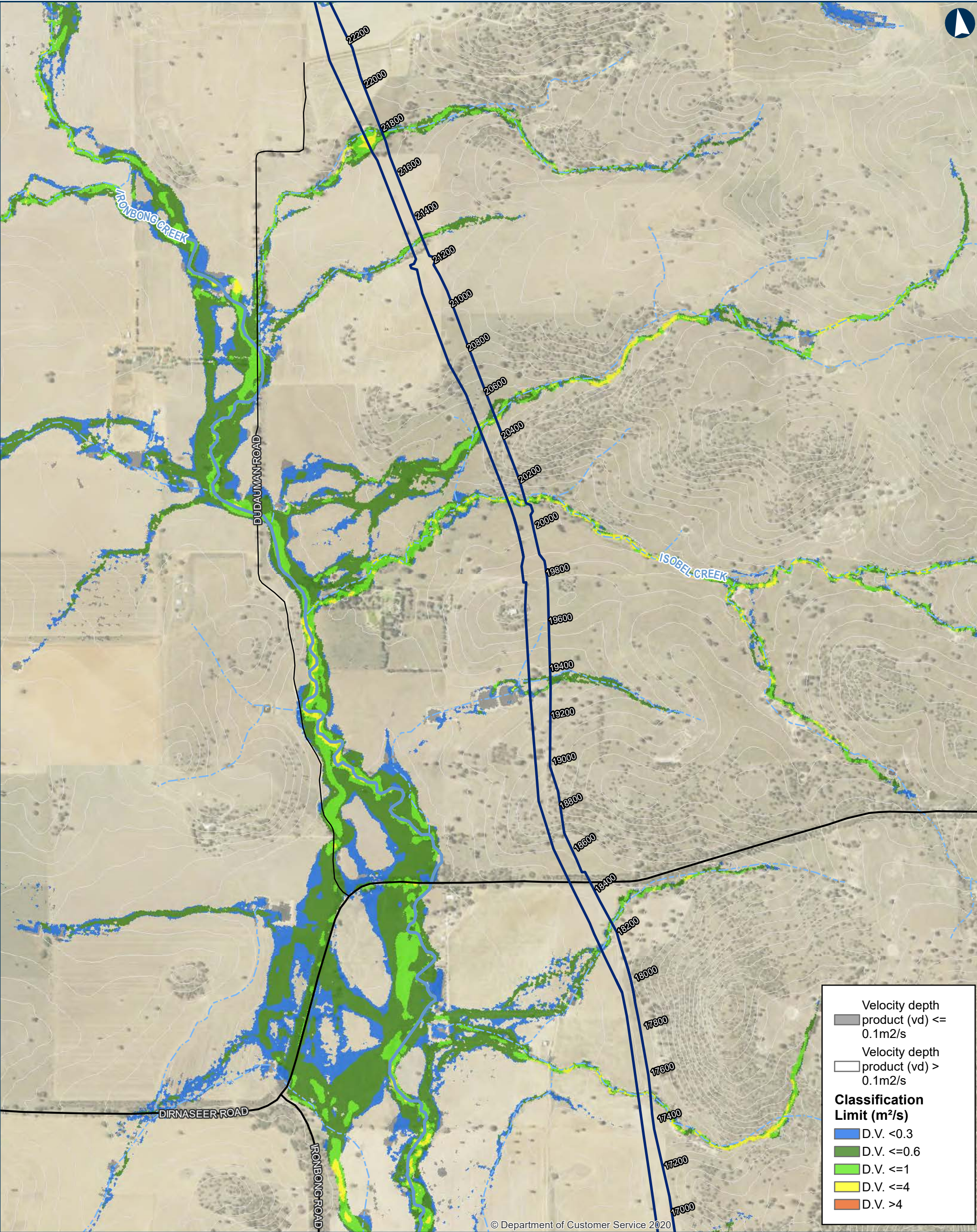
Arterial road



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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Hazard

Map 5 of 9

0 200 400 Metres

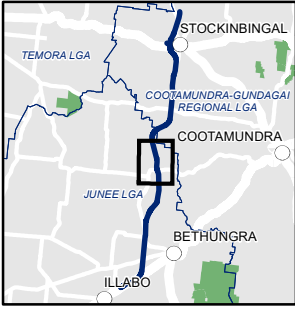
Coordinate System: GDA 1994 MGA Zone 55

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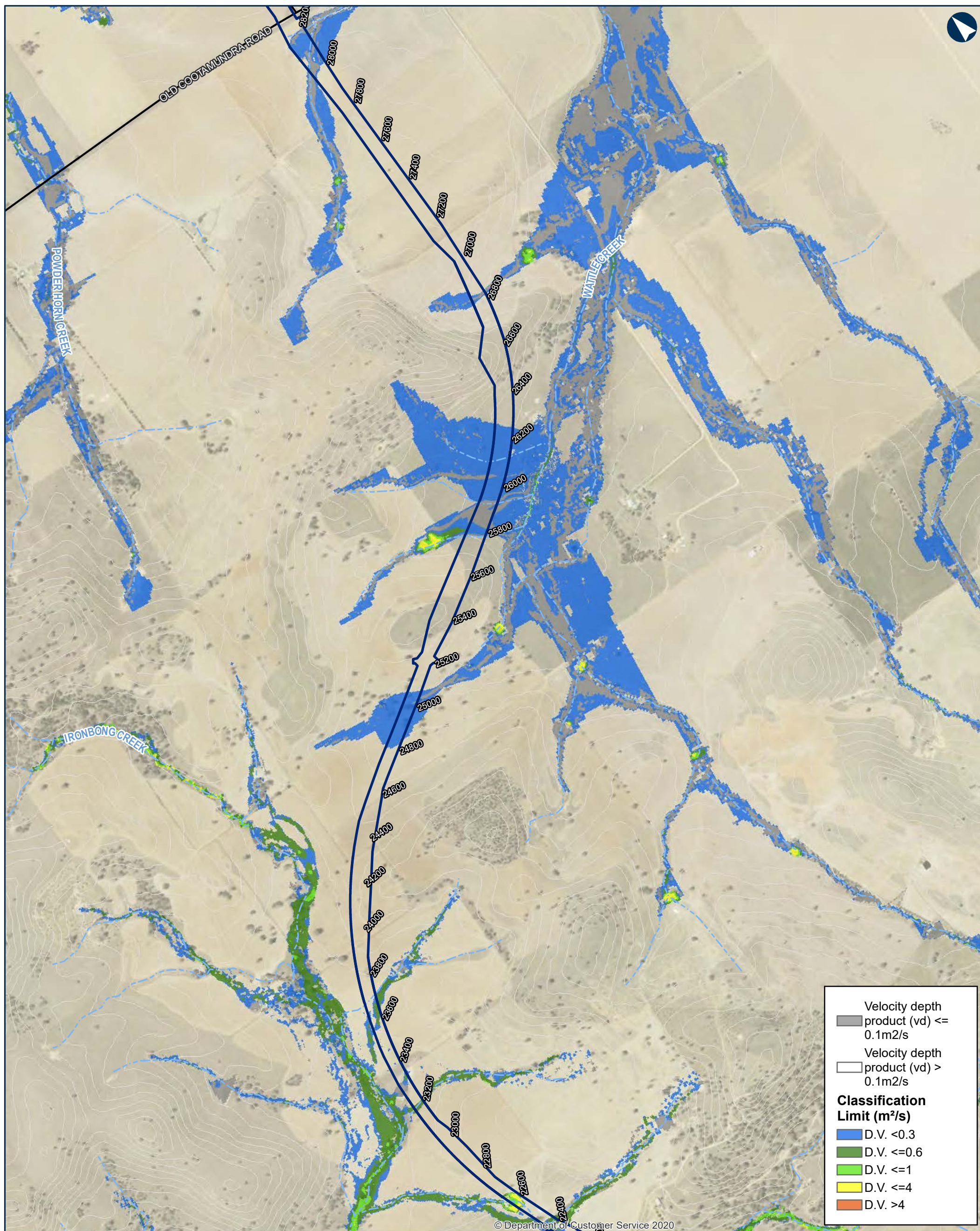
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal)
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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A horizontal scale bar with tick marks at 0, 200, and 400. The word "Metres" is written at the right end of the bar.

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023      Paper: A3  
Author: IRDJV      Scale: 1:15,000  
Data Sources: IRDJV, ARTC, LPI



Permanent acquisition boundary

**40950** Chainage (distance in metres from southern limit of the proposal)

———— 5m Contours

— Existing rail

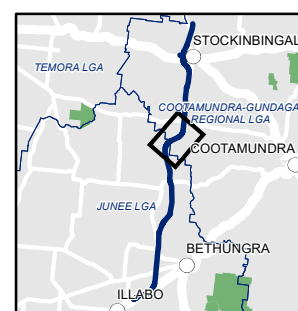
--- Minor watercourse  
(Strahler SO 1-3)

Major watercourse  
(Strahler SO 4-6)

—— Local road

— Sub-arterial road

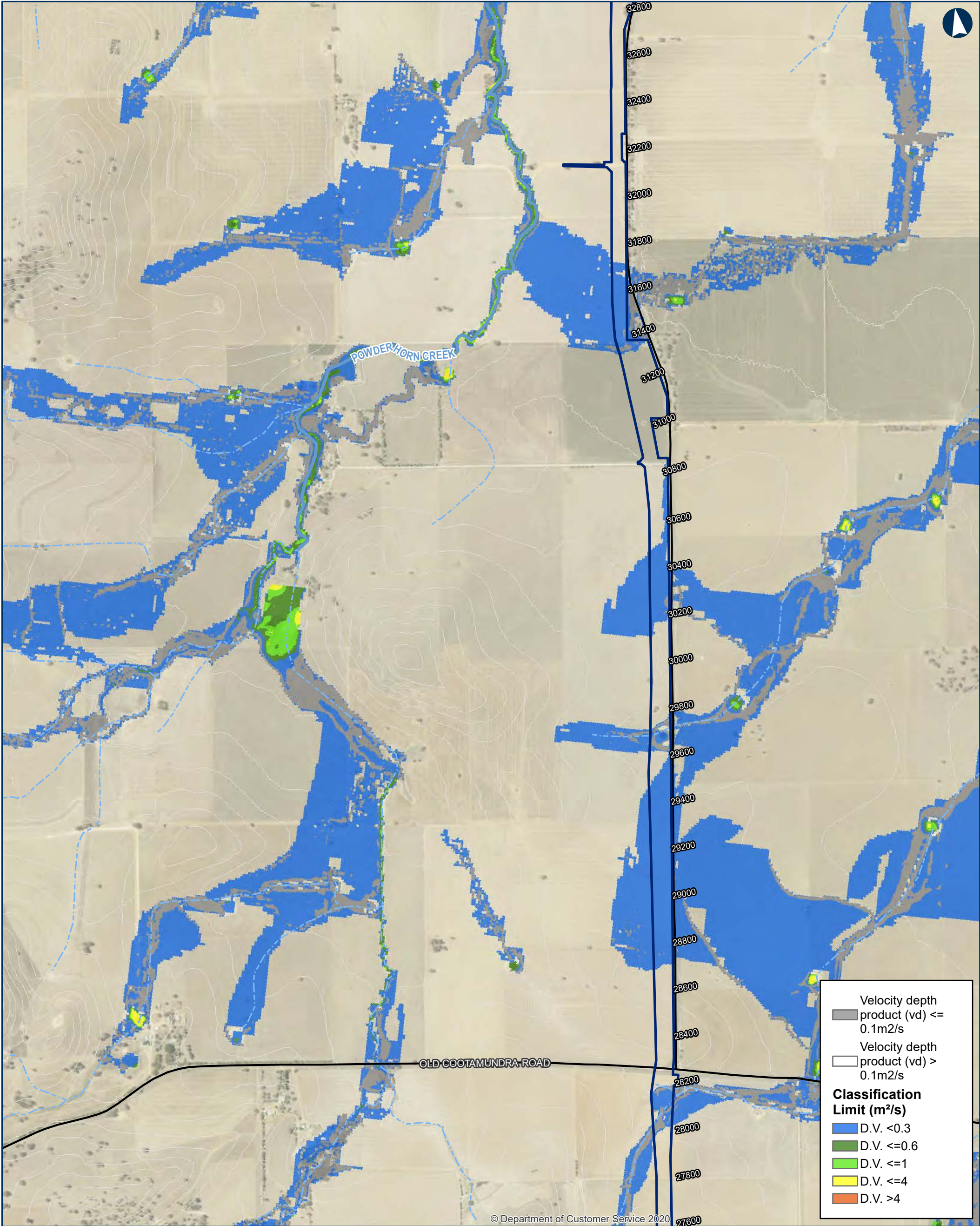
———— Arterial road



**INLAND**  
**RAIL**  **ARTC**

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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Hazard

Map 7 of 9

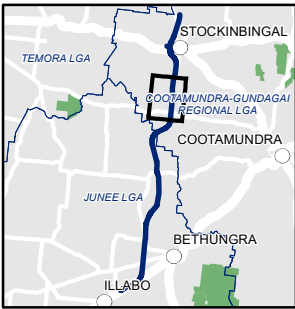
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023 Paper: A3  
Author: IRDJV Scale: 1:15,000  
Data Sources: IRDJV, ARTC, LPI

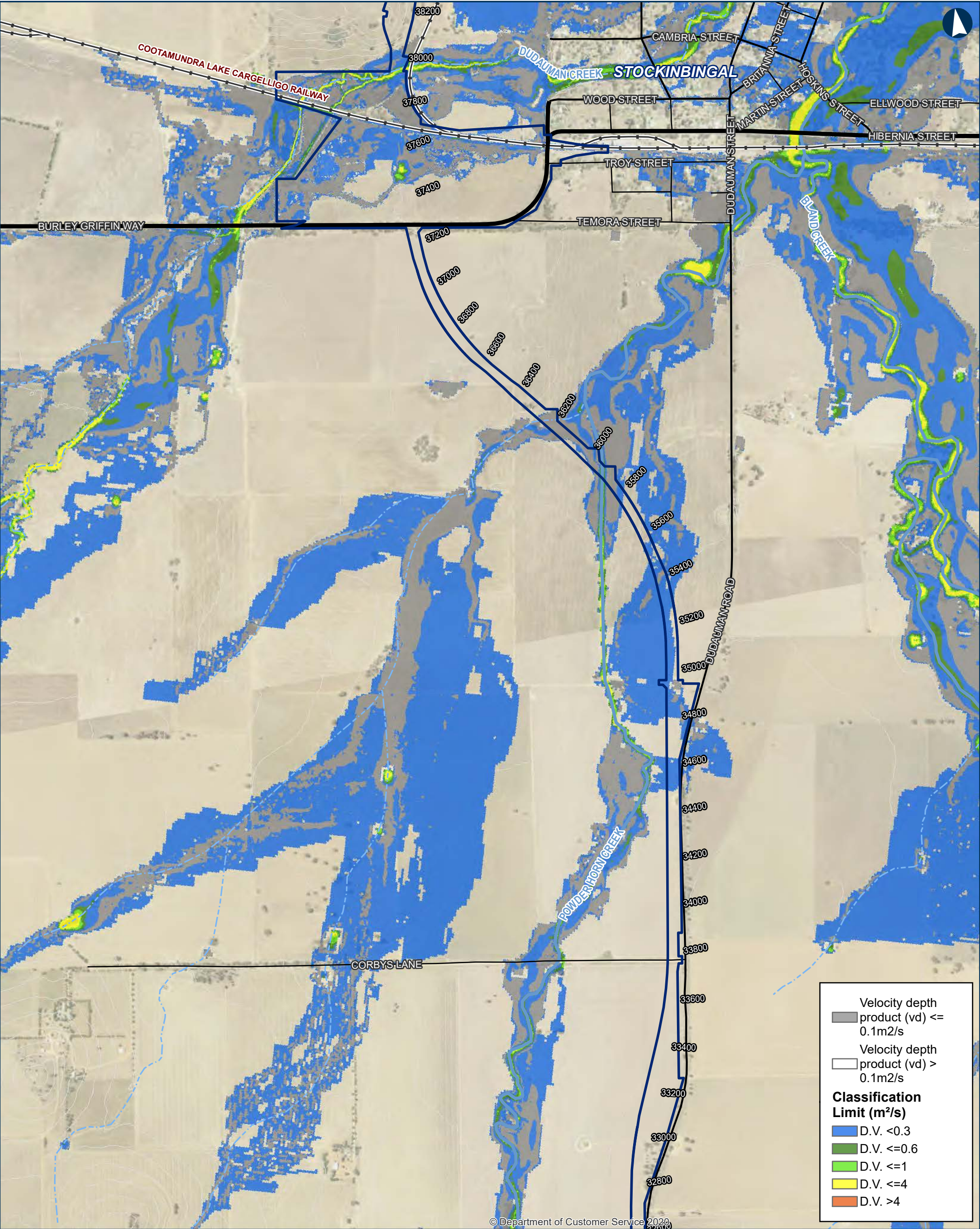
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal) 40950
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



INLAND RAIL ARTC

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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Hazard

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

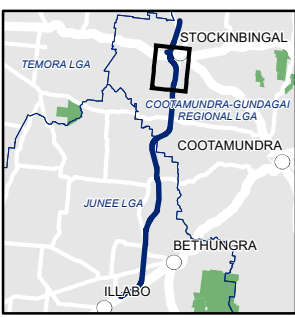
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

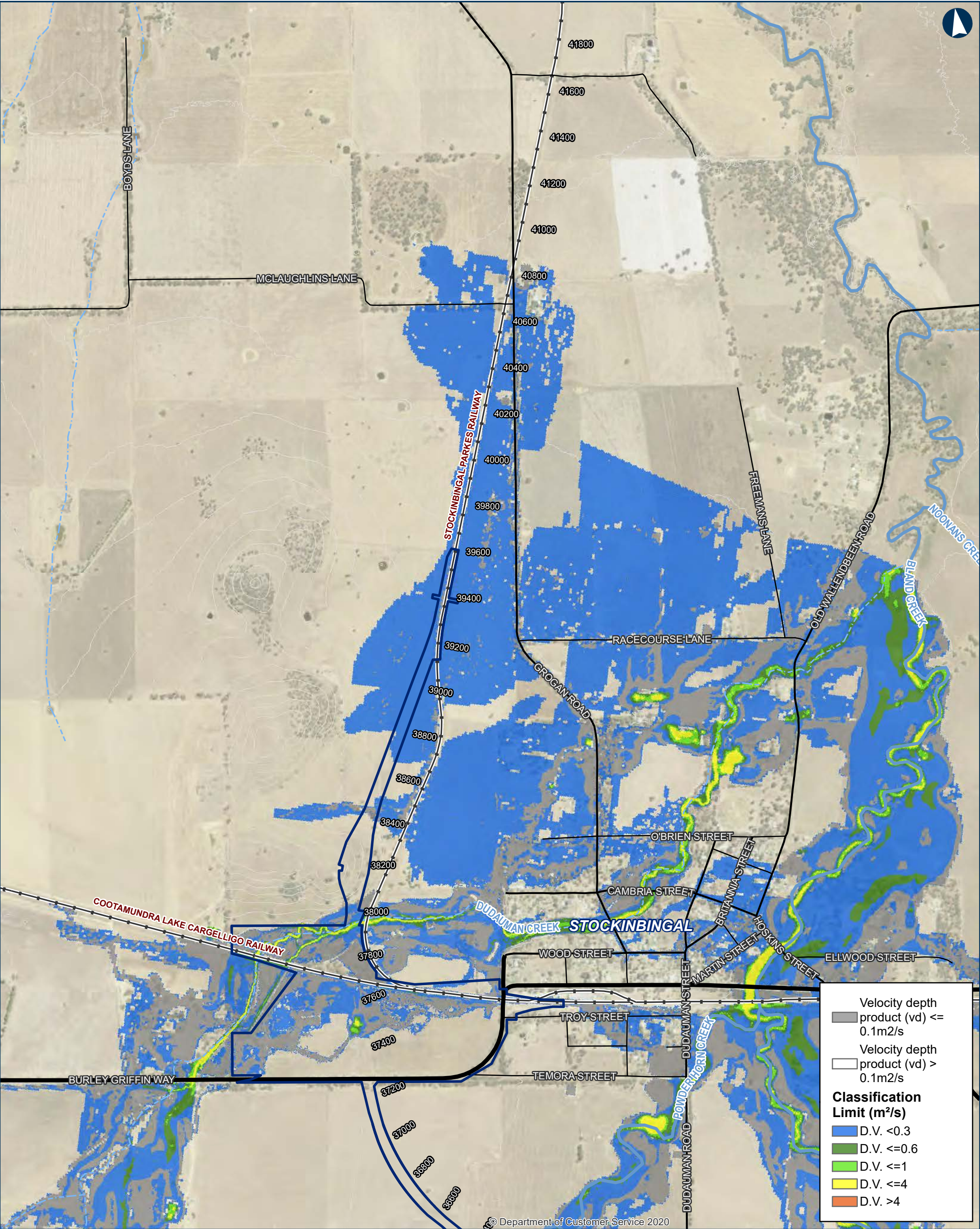
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 5% AEP Flood Existing Hazard

Map 9 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

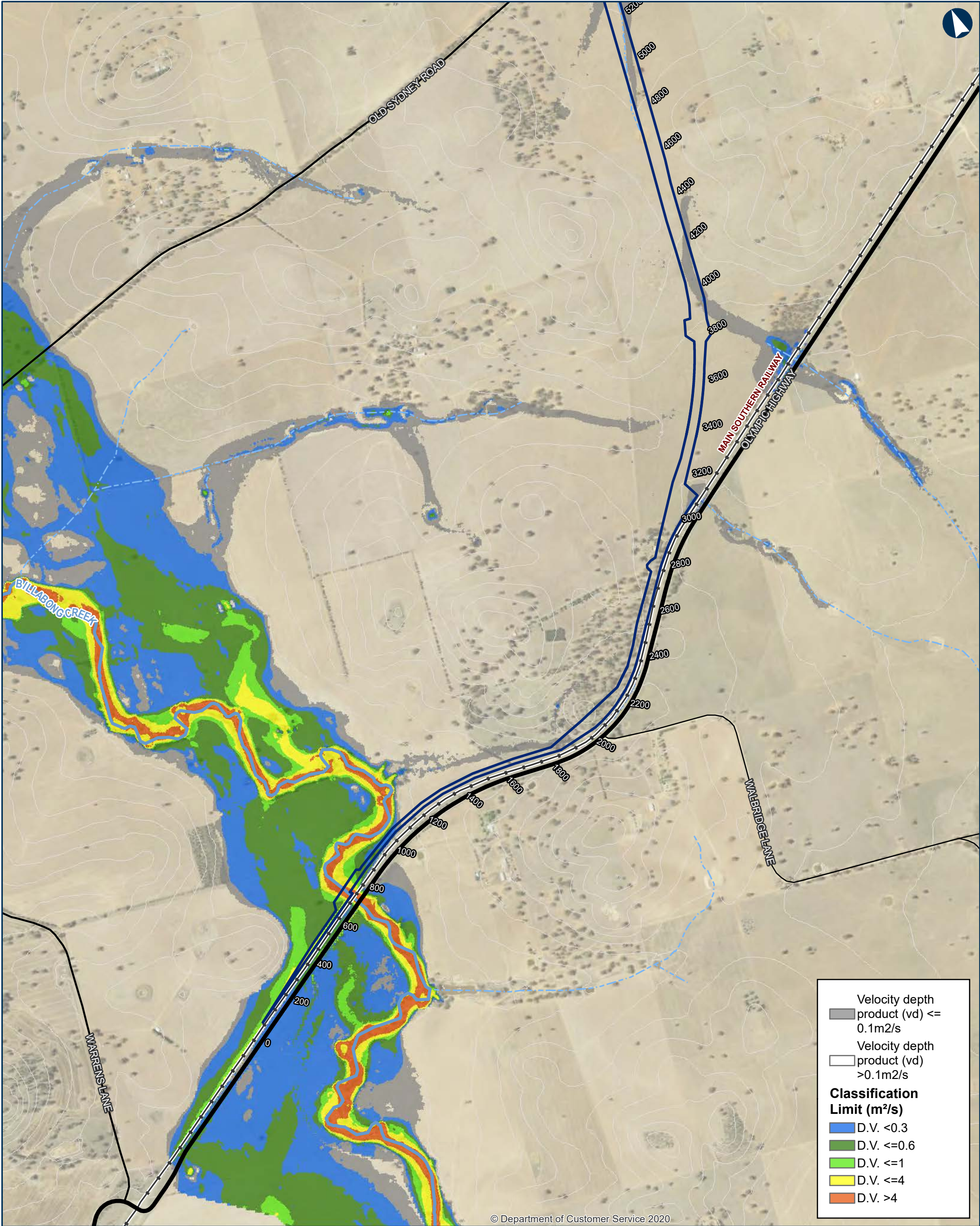
Sub-arterial road

Arterial road

**INLAND RAIL** **ARTC**

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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

Map 1 of 9

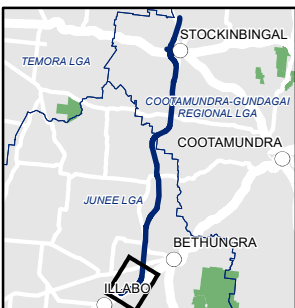
0 200 400  
Metres

Coordinate System: GDA 1994 MGA Zone 55

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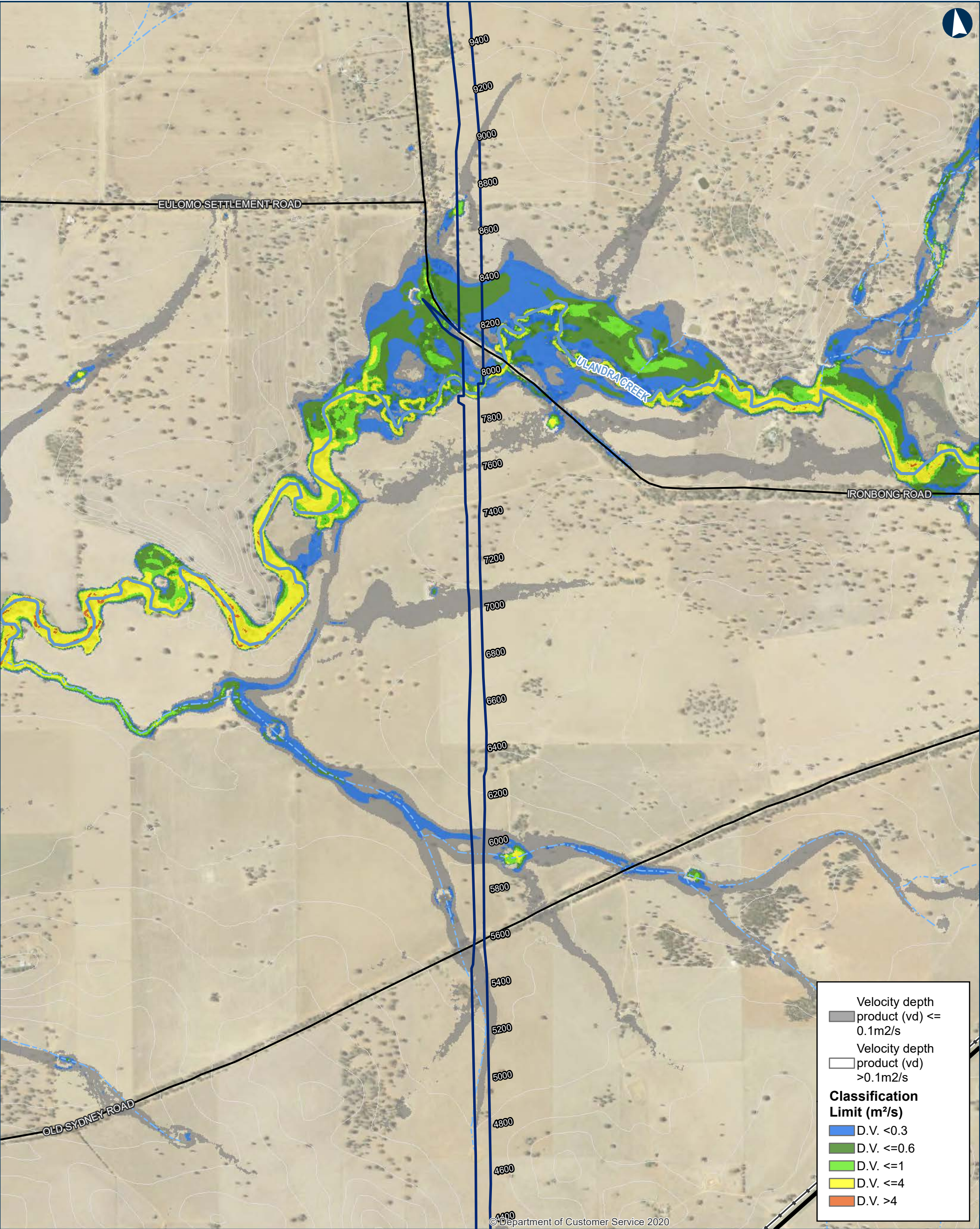
- Permanent acquisition boundary
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- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
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- Local road
- Sub-arterial road
- Arterial road



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Velocity depth  
product (vd) <= 0.1m2/s

Velocity depth  
product (vd) >0.1m2/s

**Classification  
Limit (m²/s)**

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

Map 2 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

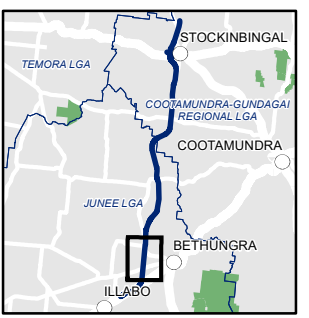
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

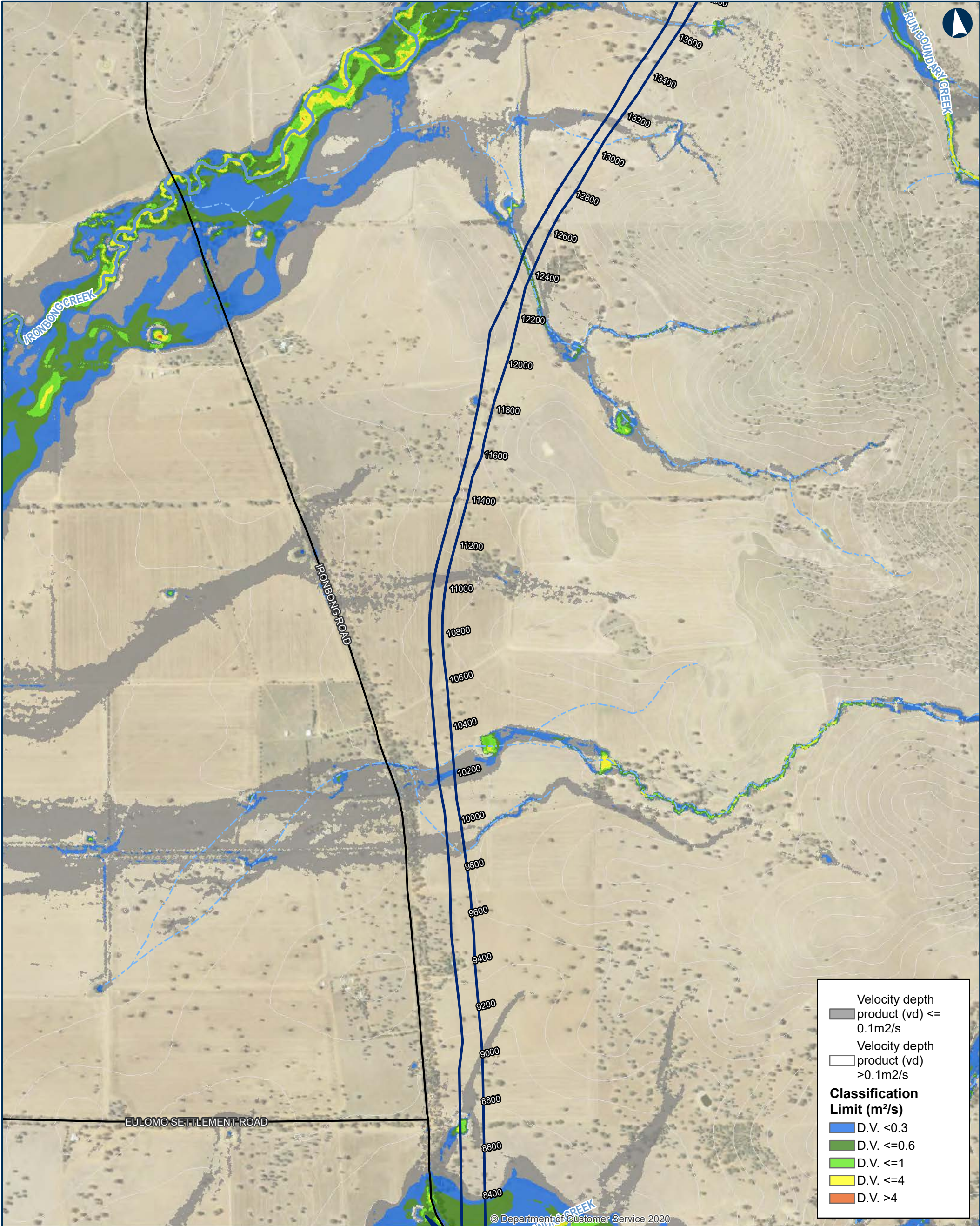
Sub-arterial road

Arterial road



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





ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

Velocity depth product (vd) <= 0.1m2/s

Velocity depth product (vd) >0.1m2/s

**Classification Limit (m²/s)**

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO

STOCKINBINGAL

ILLABO TO STOCKINBINGAL

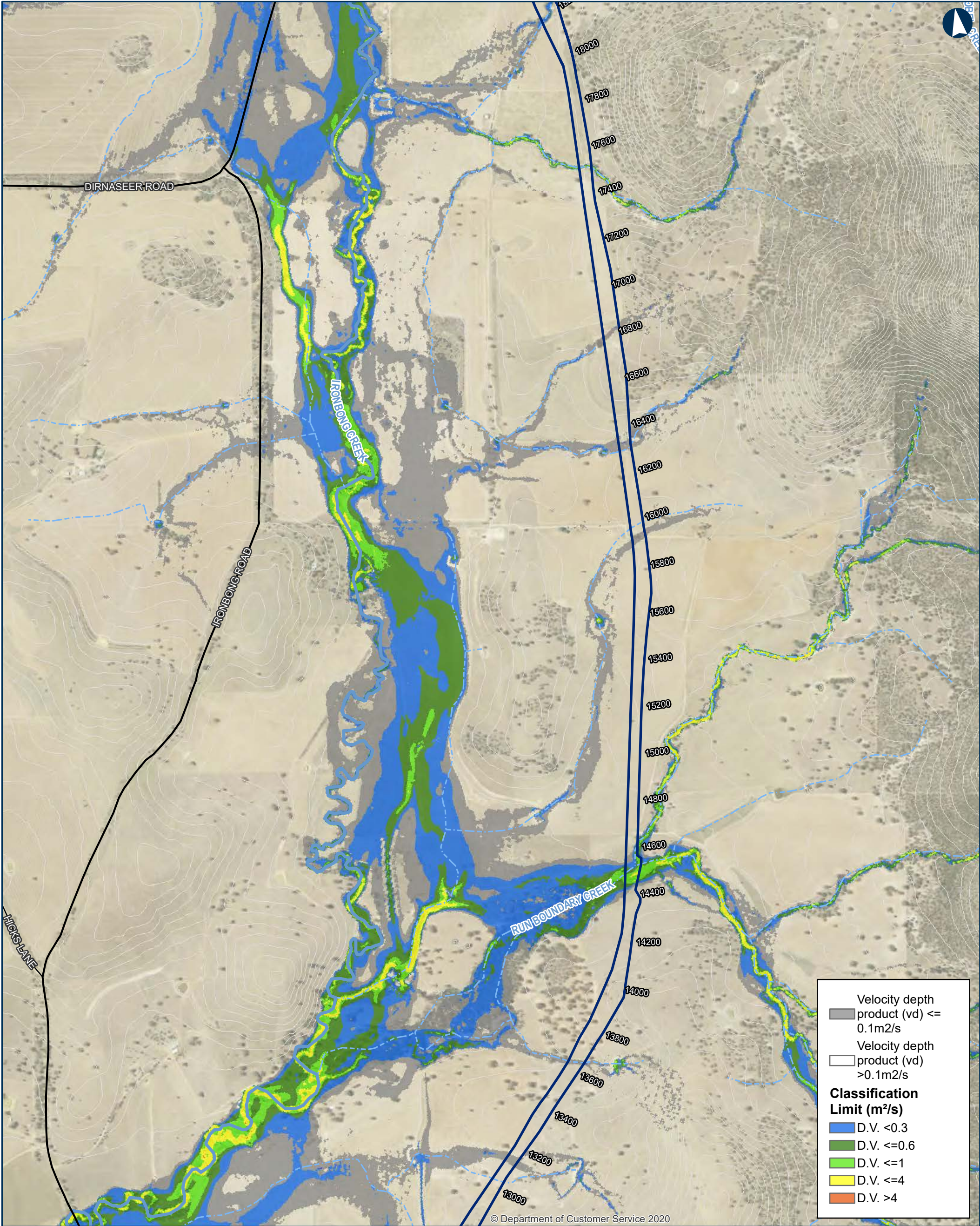
INLAND RAIL

ARTC

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\\corp.pbwan.net\ANZ\Projects\IPS108286\_Inland\_Rail\_Illab4\_WIP\GIS\AWS\IPS108286\_I2SITasks\220\_0122\_HYD\_HydrologyReport\June2023\Documents\2AEP\220\_0122\_HYD\_2AEPExistingHazard\_v5.mxd





ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

Map 4 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing rail

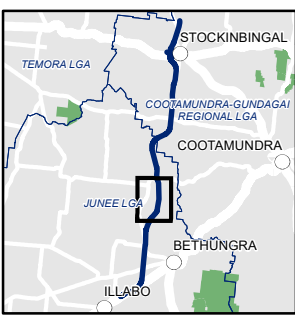
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

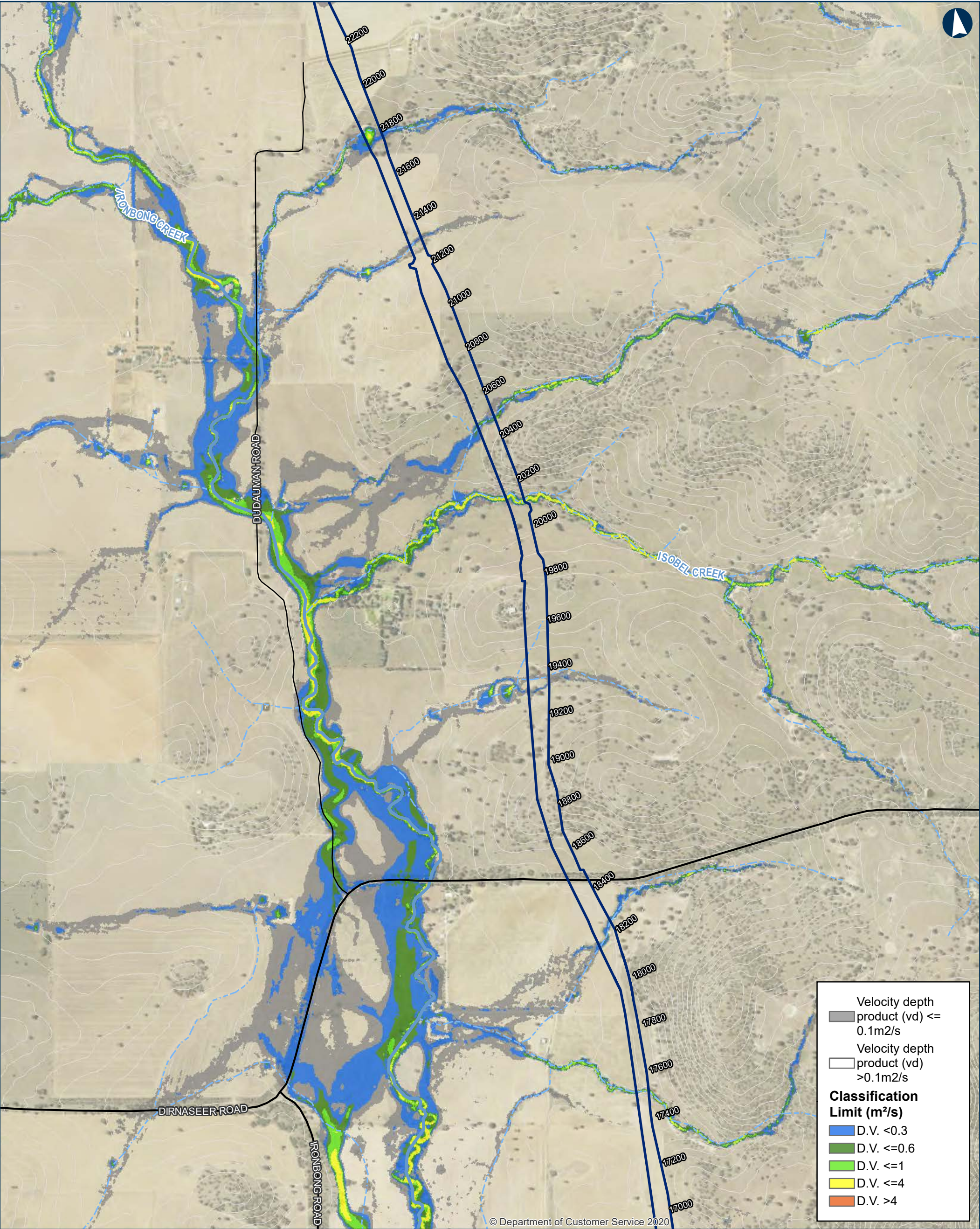
Arterial road



INLAND RAIL ARTC

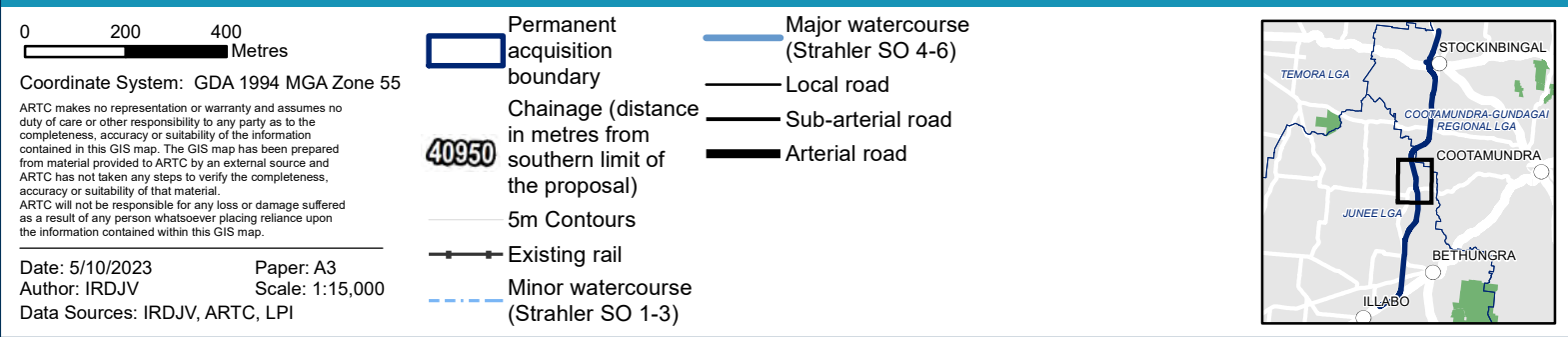
The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC), in partnership with the private sector.





ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

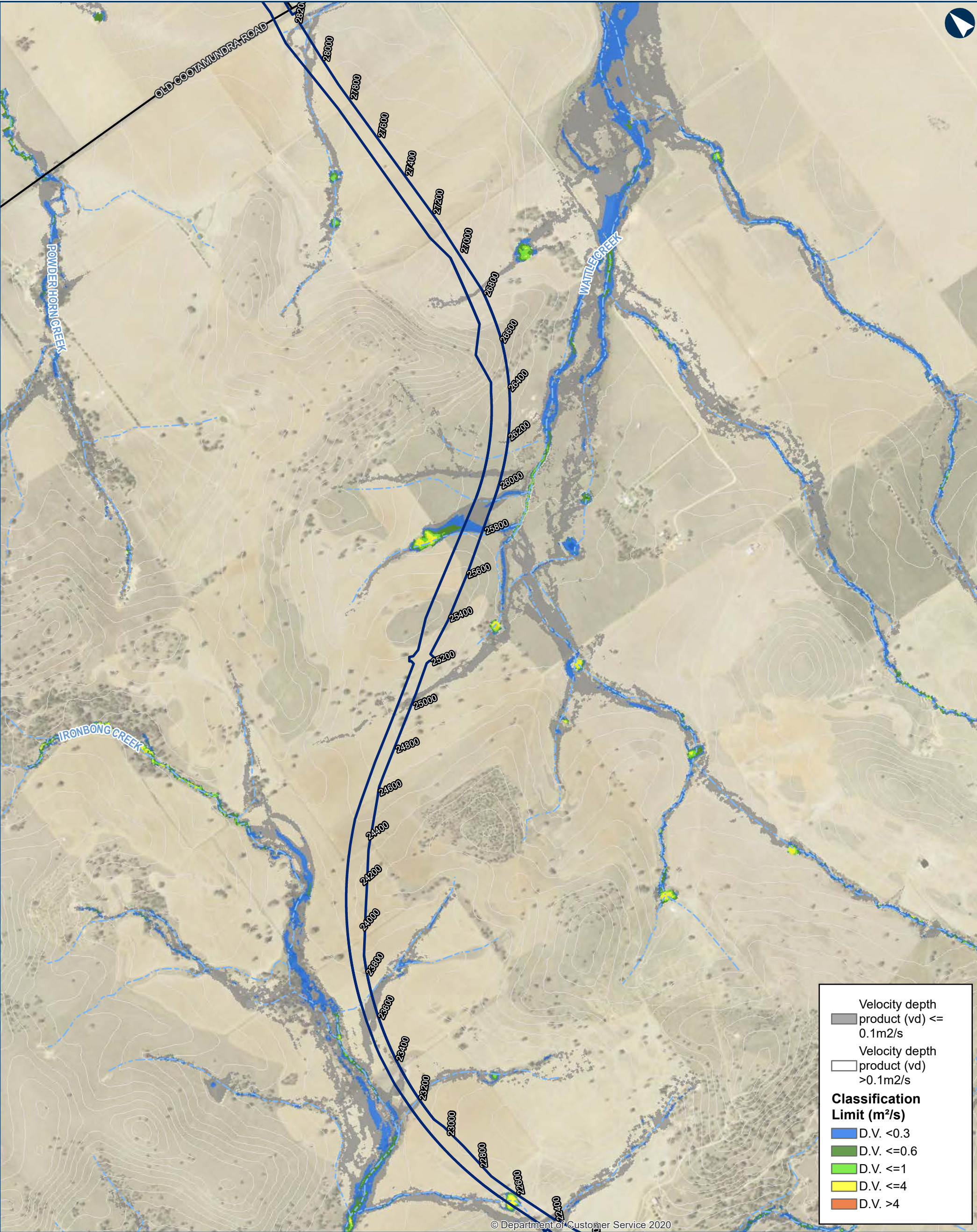
Map 5 of 9



**INLAND RAIL** **ARTC**

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





ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

Map 6 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

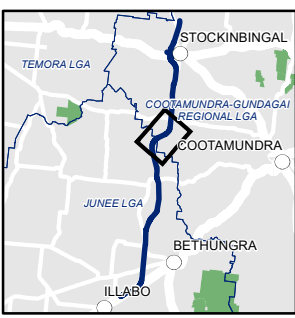
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

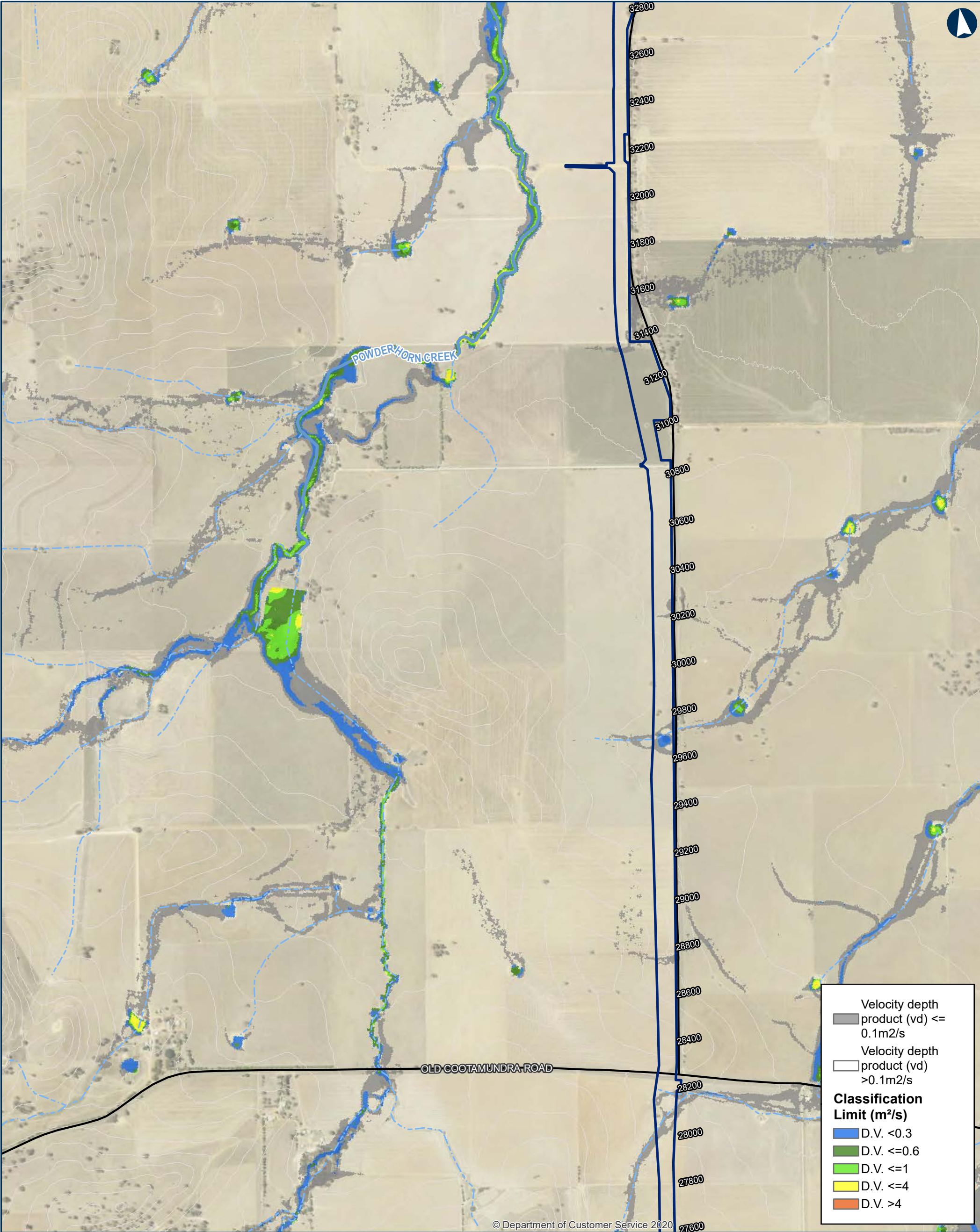
Sub-arterial road

Arterial road



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





ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

Map 7 of 9

0200400Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

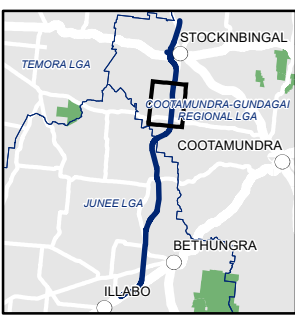
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

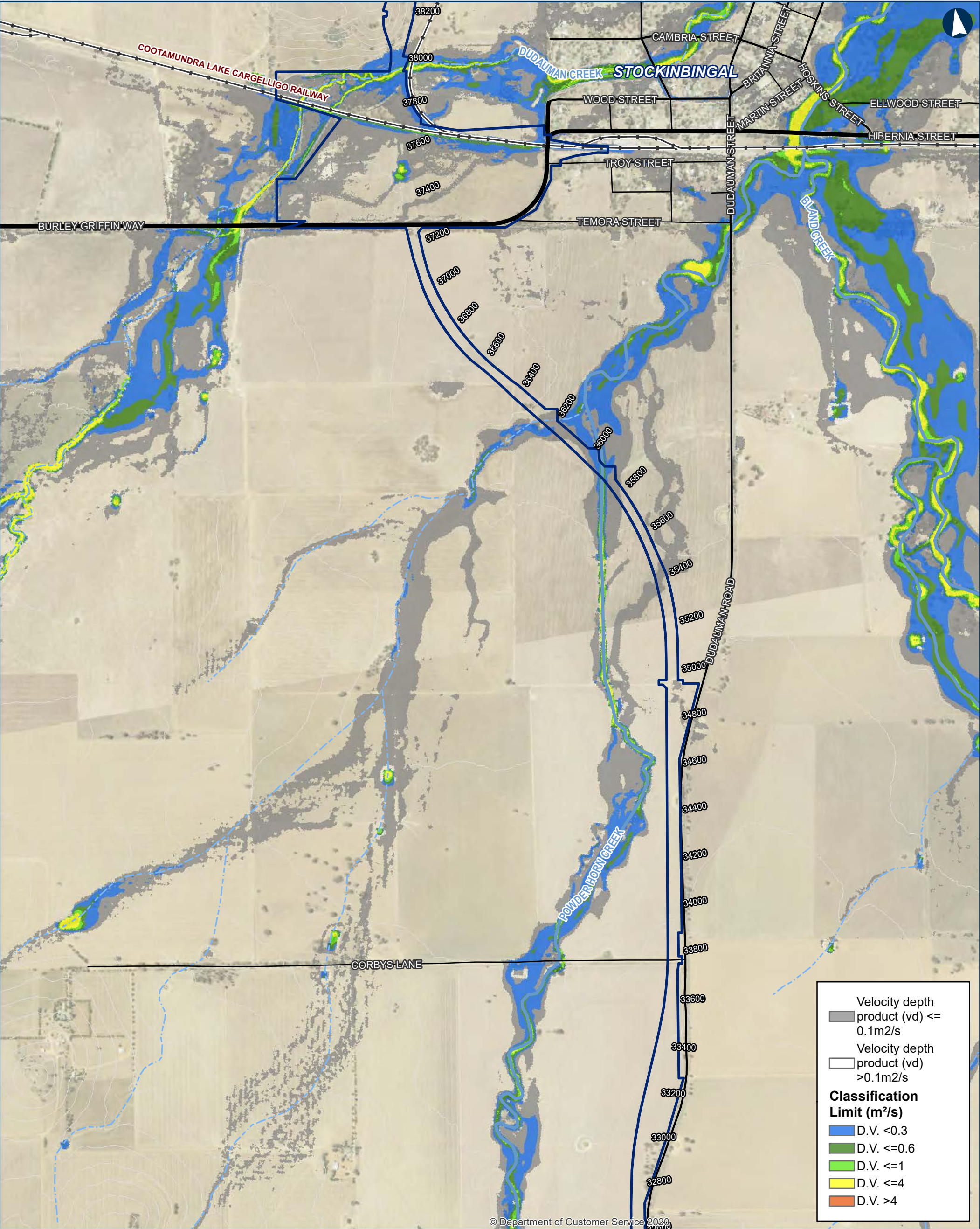
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

Map 8 of 9

0 200 400 Metres

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Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

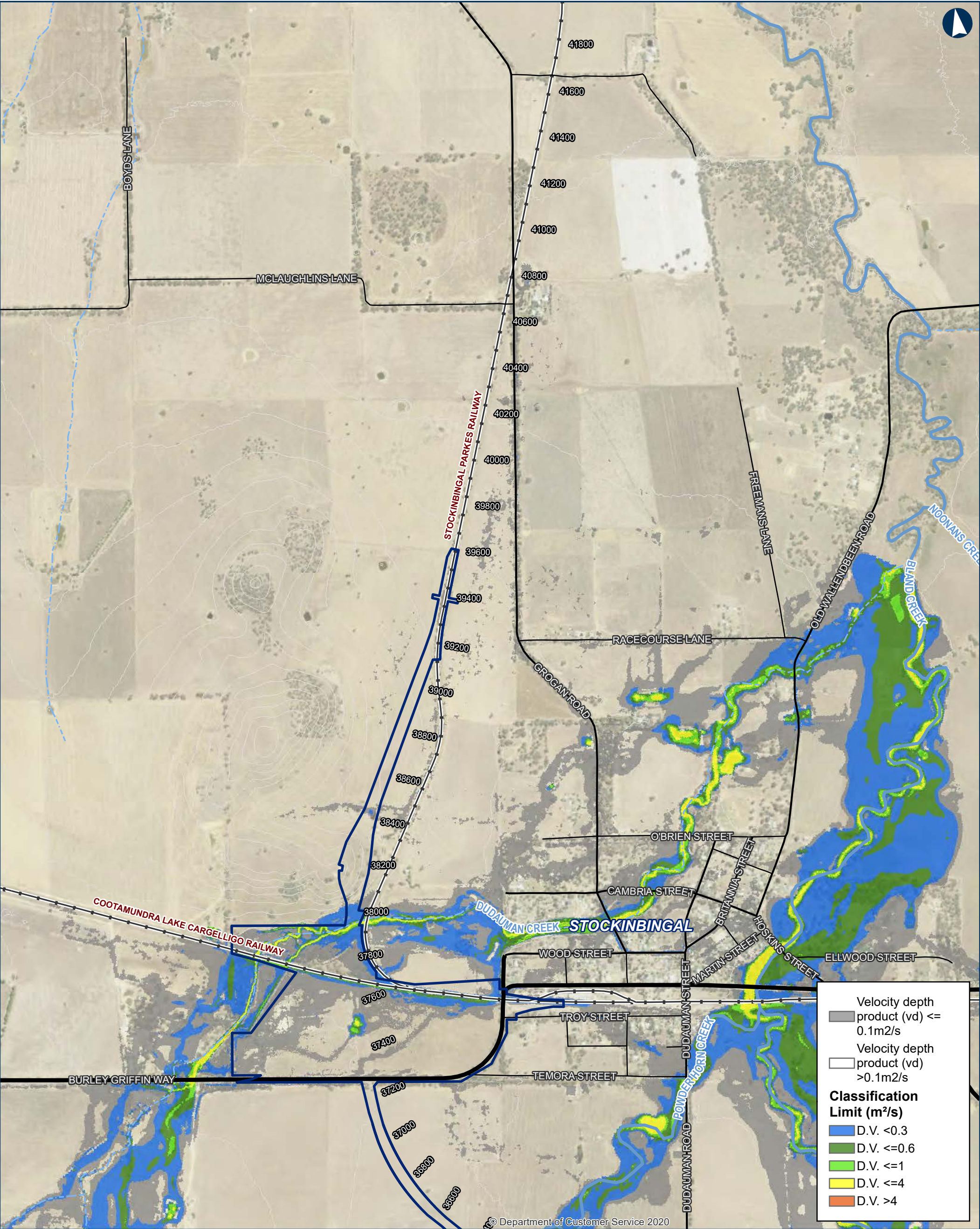
Sub-arterial road

Arterial road

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ILLABO TO STOCKINBINGAL 2% AEP Flood Existing Hazard

0 200 400 Metres

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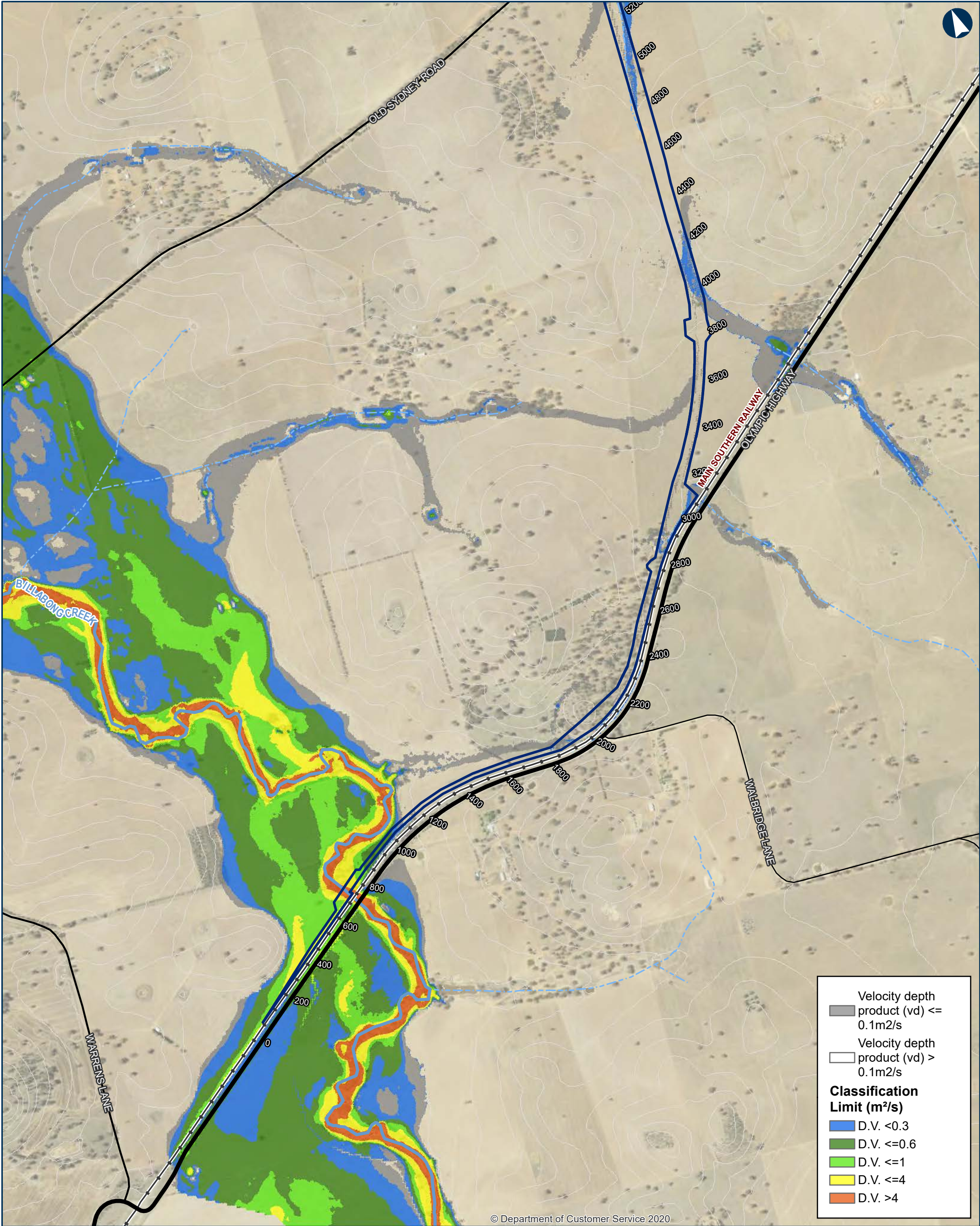
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal)
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



INLAND RAIL ARTC

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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

Map 1 of 9

0 200 400 Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

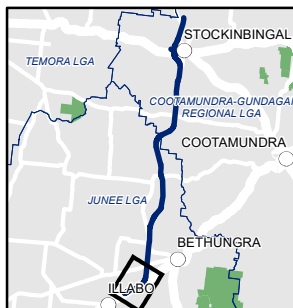
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

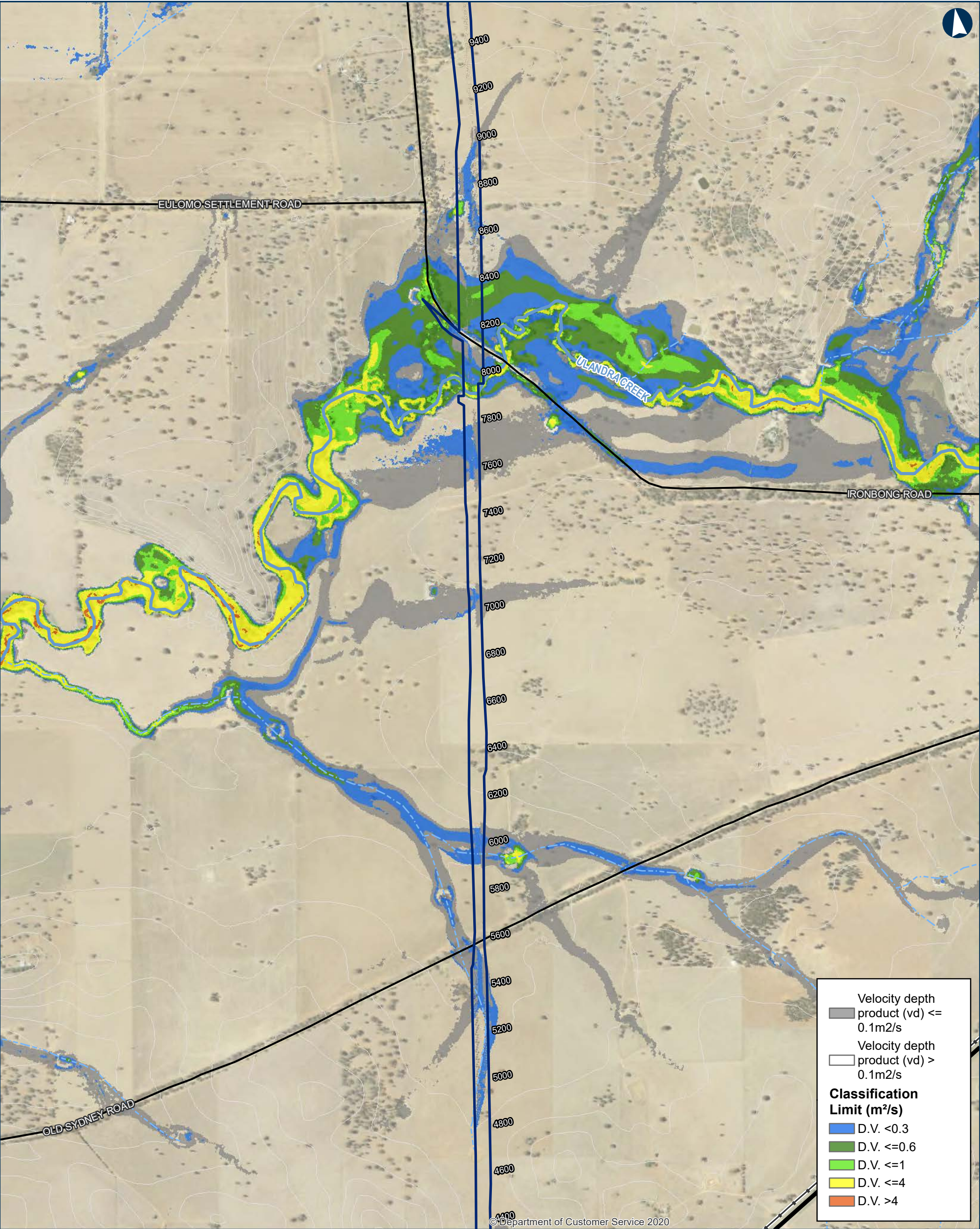
Arterial road



**INLAND RAIL** **ARTC**

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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

Map 2 of 9

0200400Metres

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Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

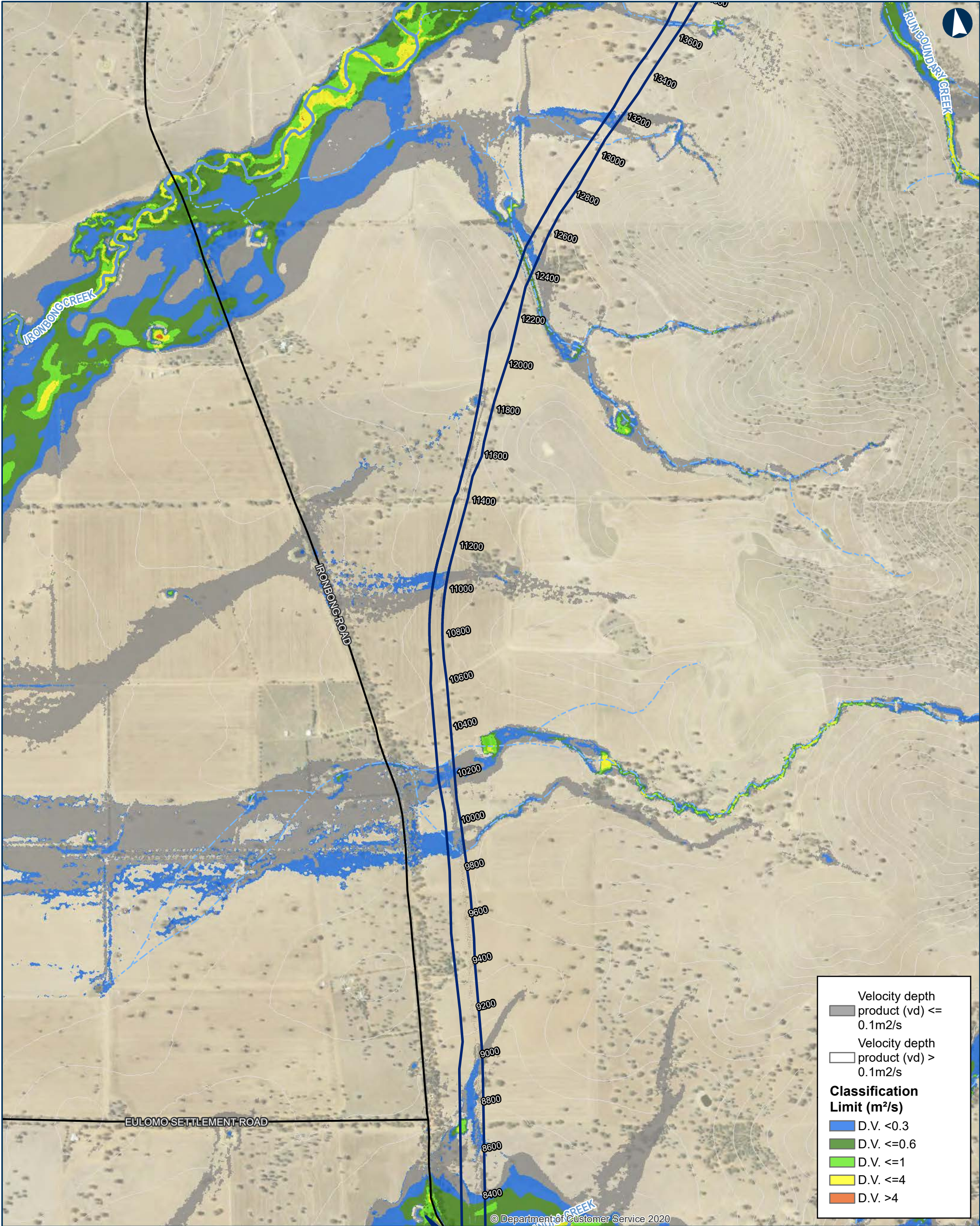
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

Map 3 of 9

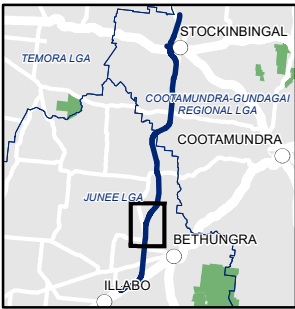
0 200 400 Metres

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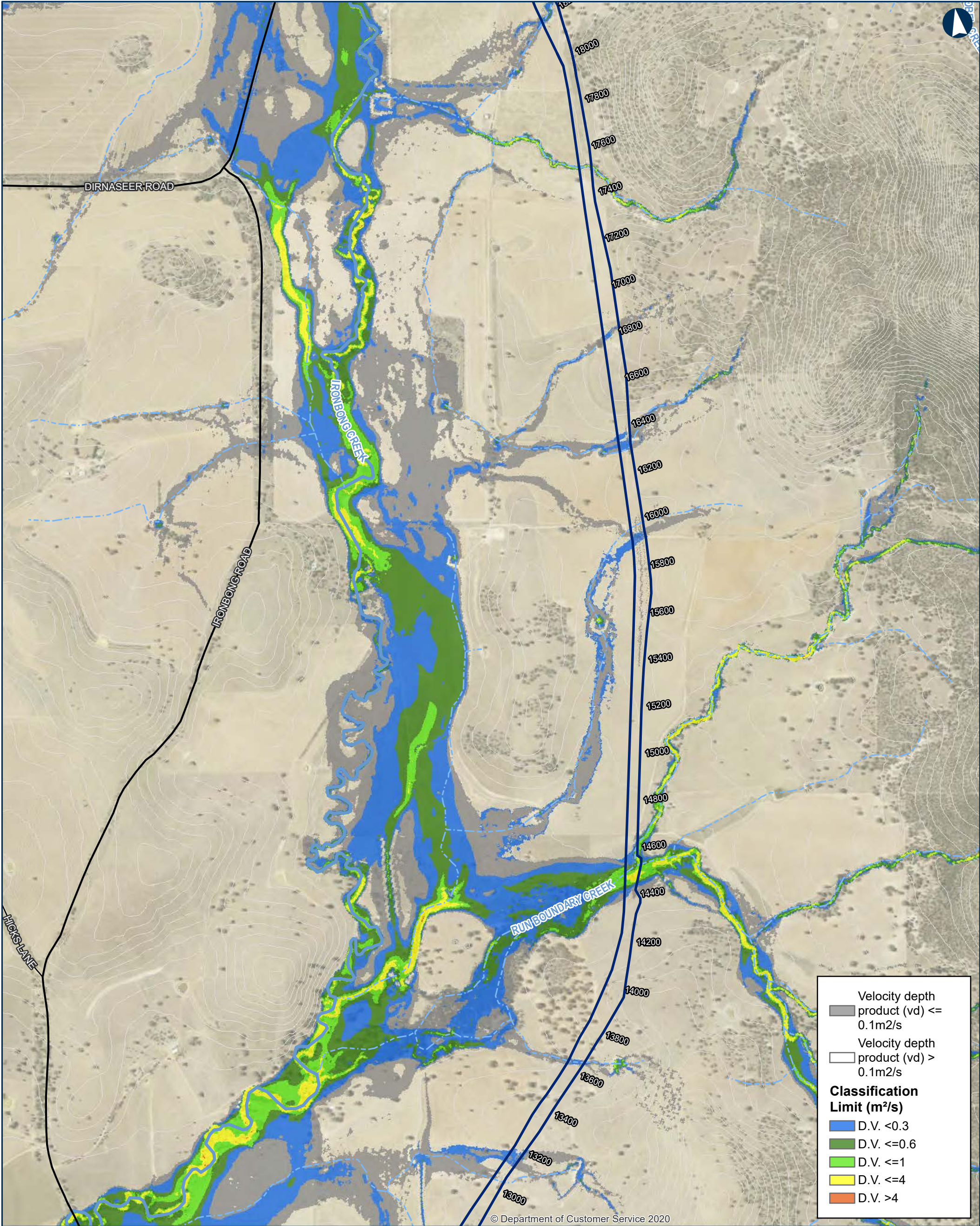
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- Local road
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- Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

Map 4 of 9

0200400Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)  
40950

5m Contours

Existing Rail

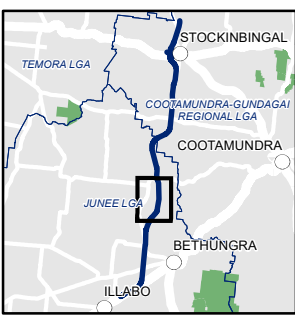
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

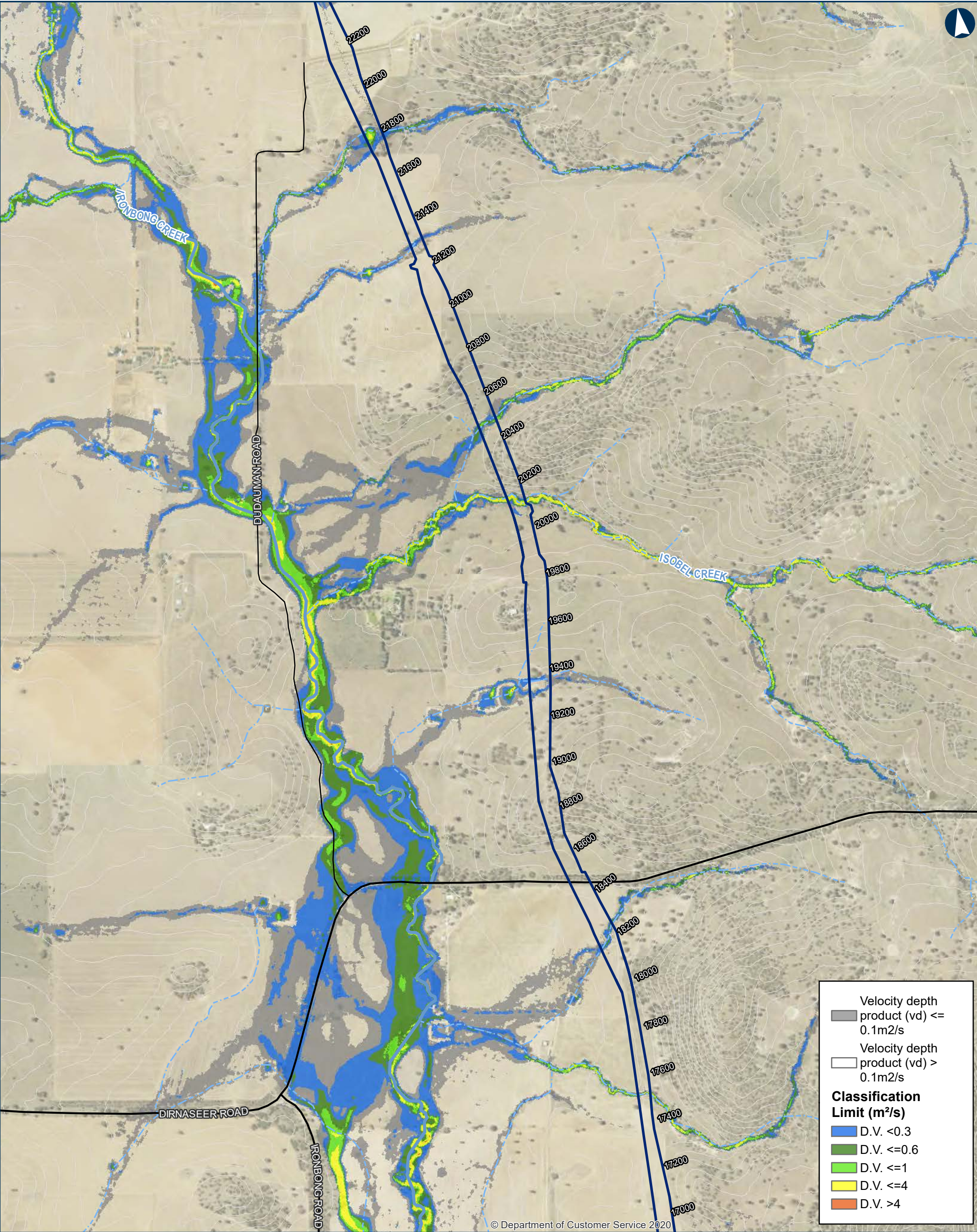
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

Map 5 of 9

0200400Metres

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Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

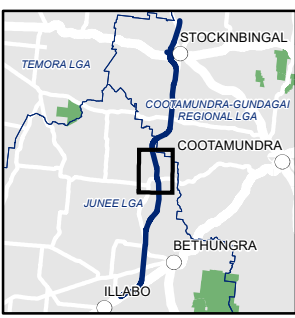
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

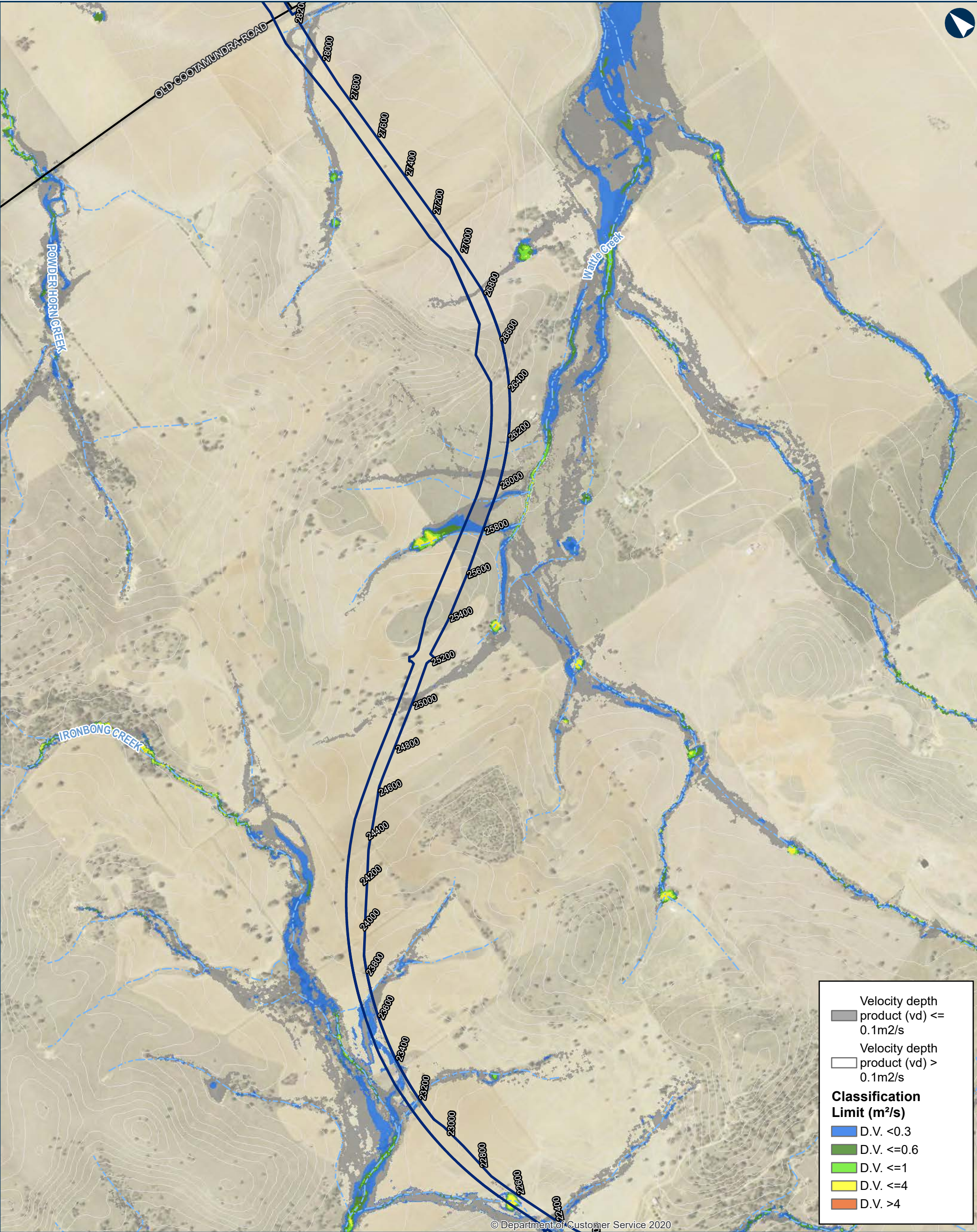
Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

Map 6 of 9

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)  
40950

5m Contours

Existing Rail

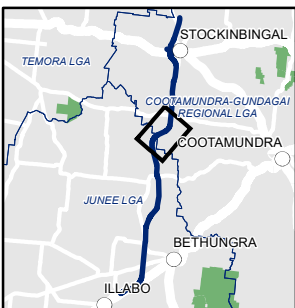
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

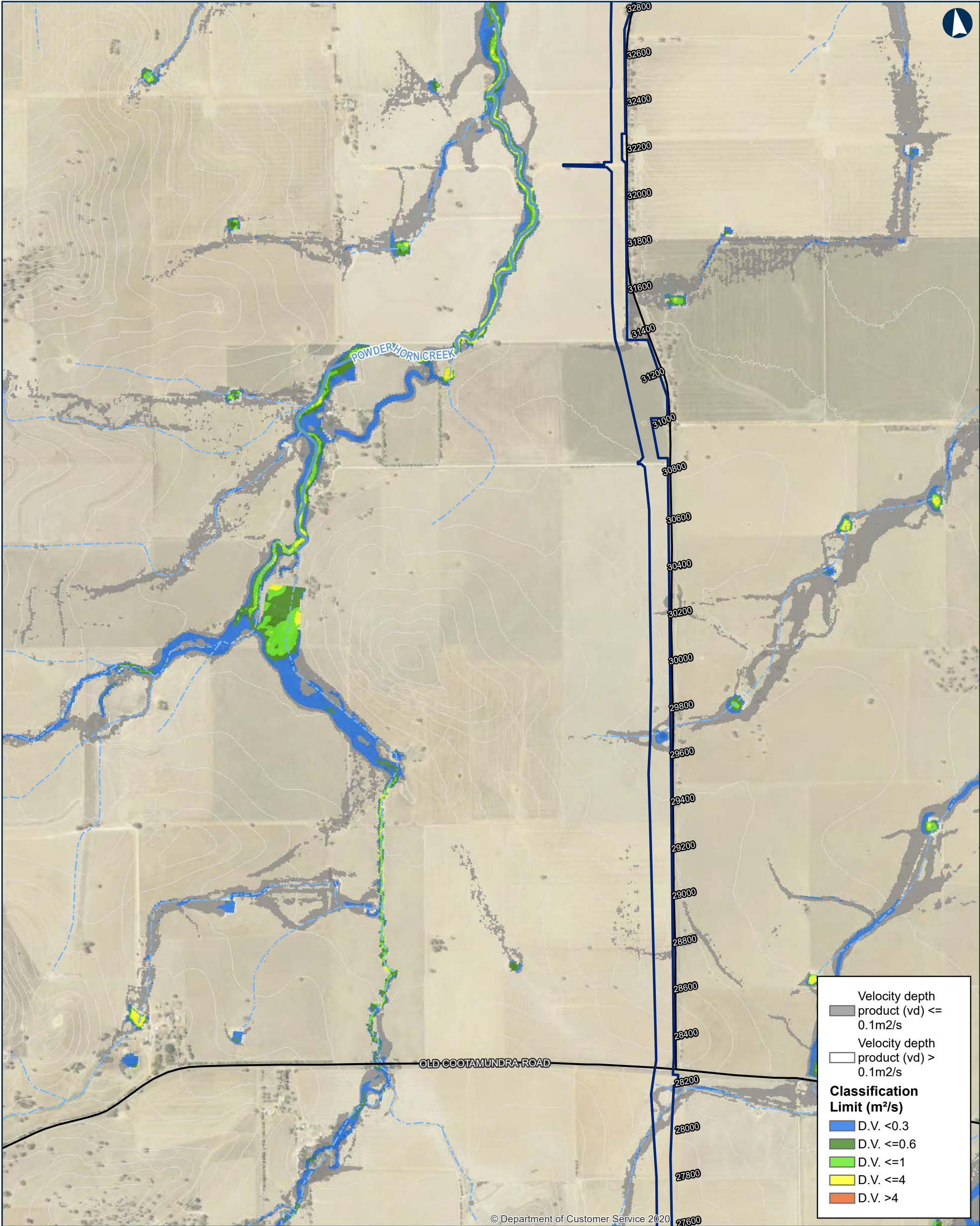
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

Map 7 of 9

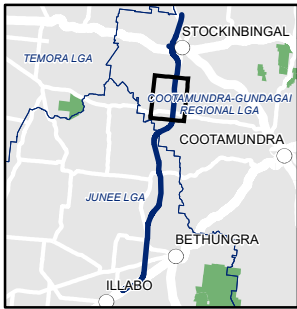
0 200 400  
Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023 Paper: A3  
Author: IRDJV Scale: 1:15,000  
Data Sources: IRDJV, ARTC, LPI

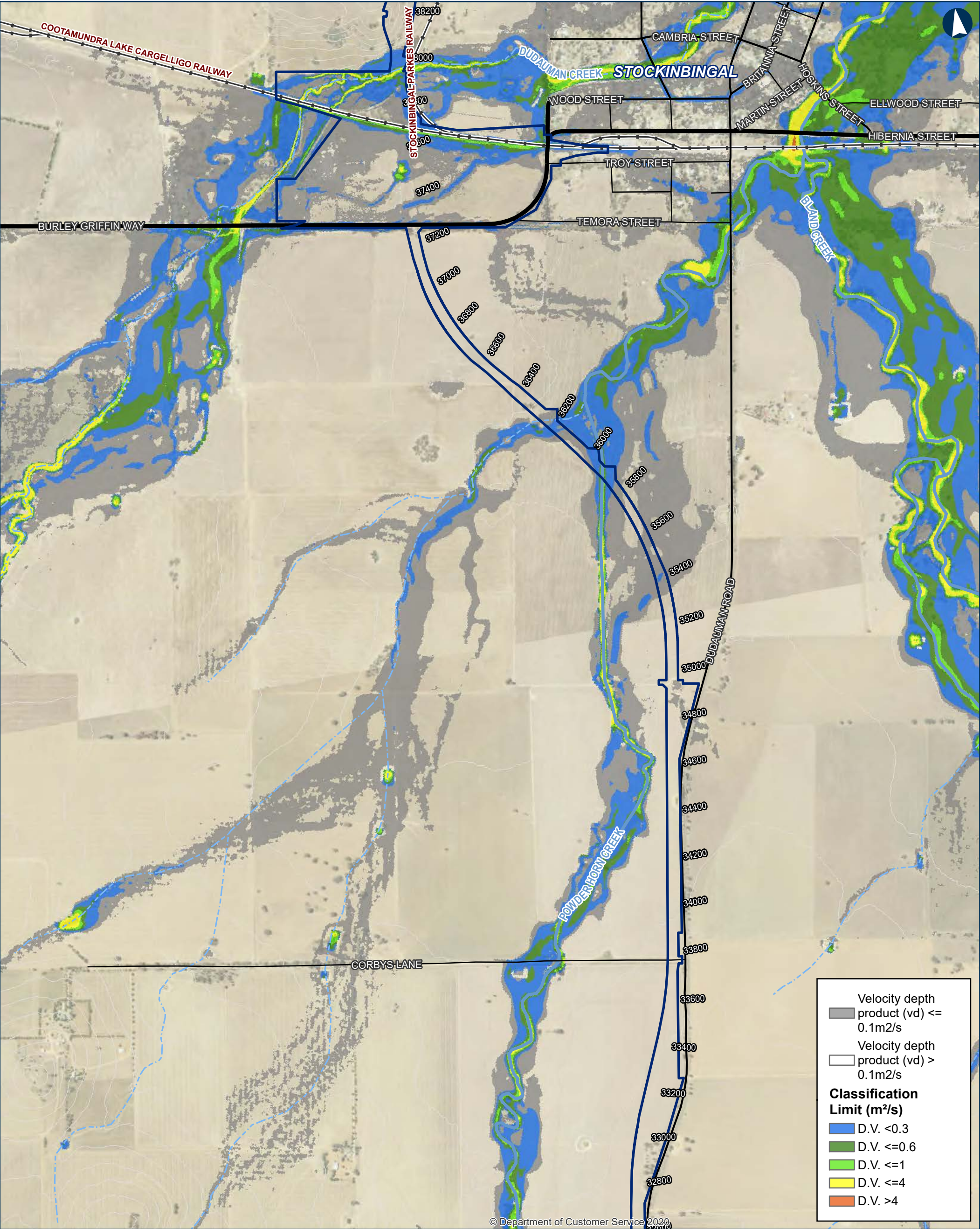
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal) 40950
- 5m Contours
- Existing Rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

Map 8 of 9

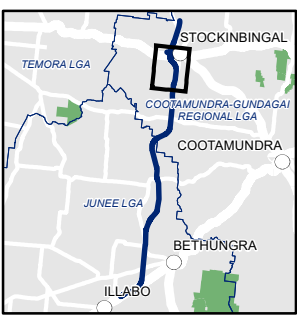
0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: IRDJV Scale: 1:15,000  
Data Sources: IRDJV, ARTC, LPI

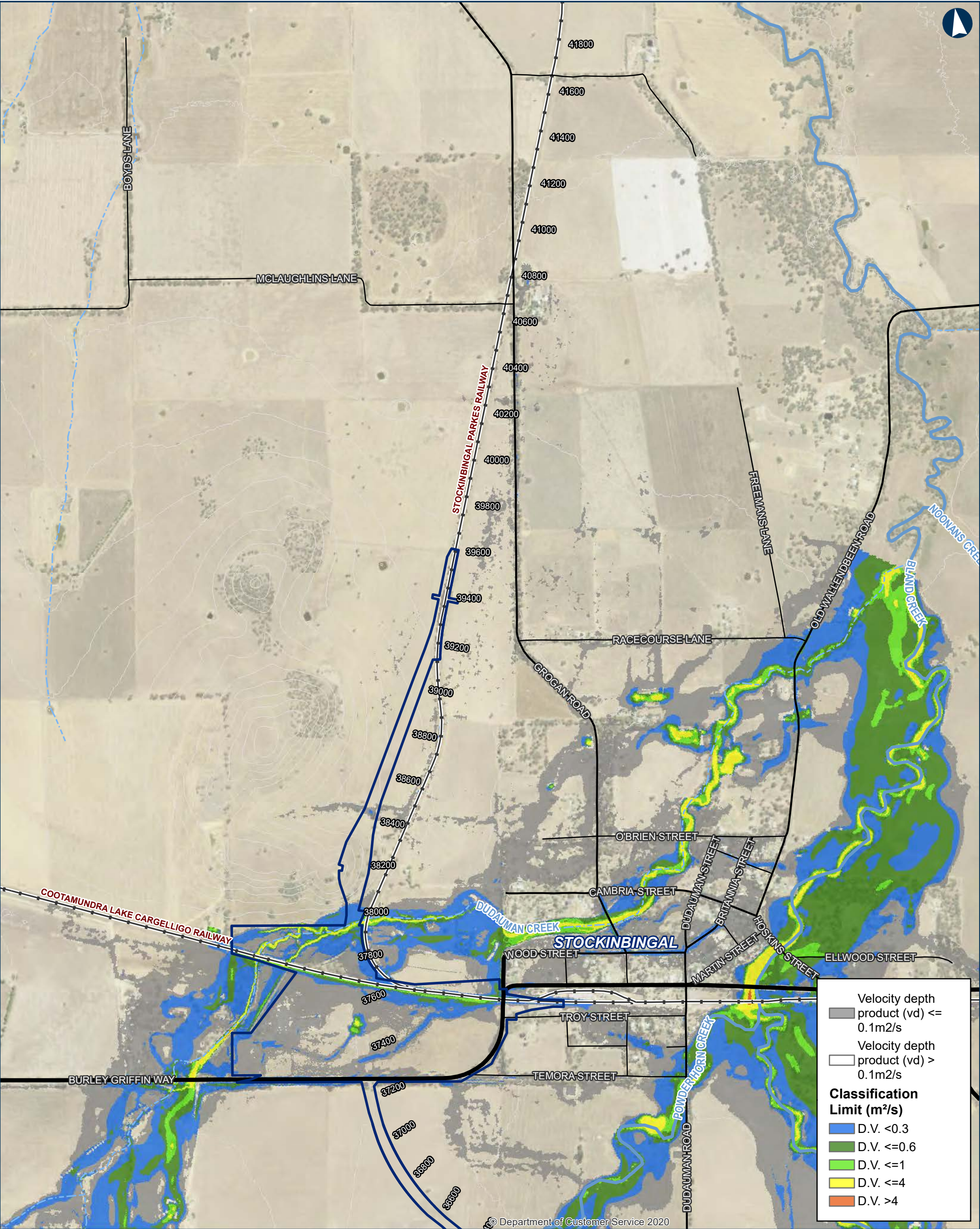
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal) 40950
- 5m Contours
- Existing Rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Hazard

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

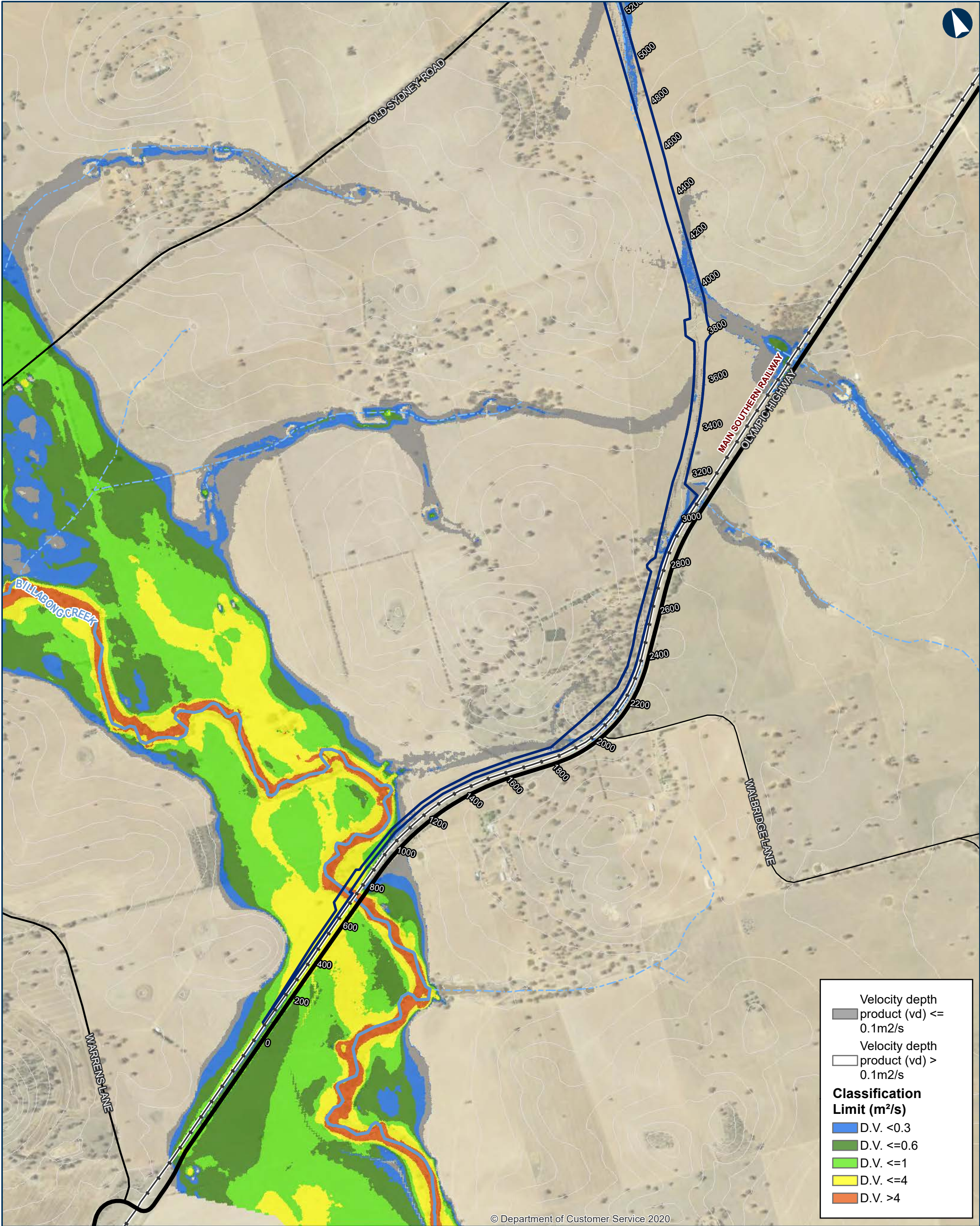
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 1% AEPCC Flood Existing Hazard

Map 1 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

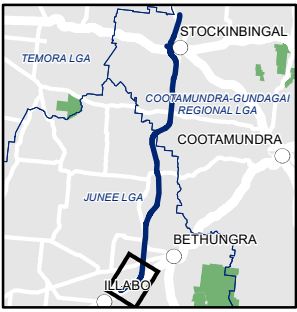
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

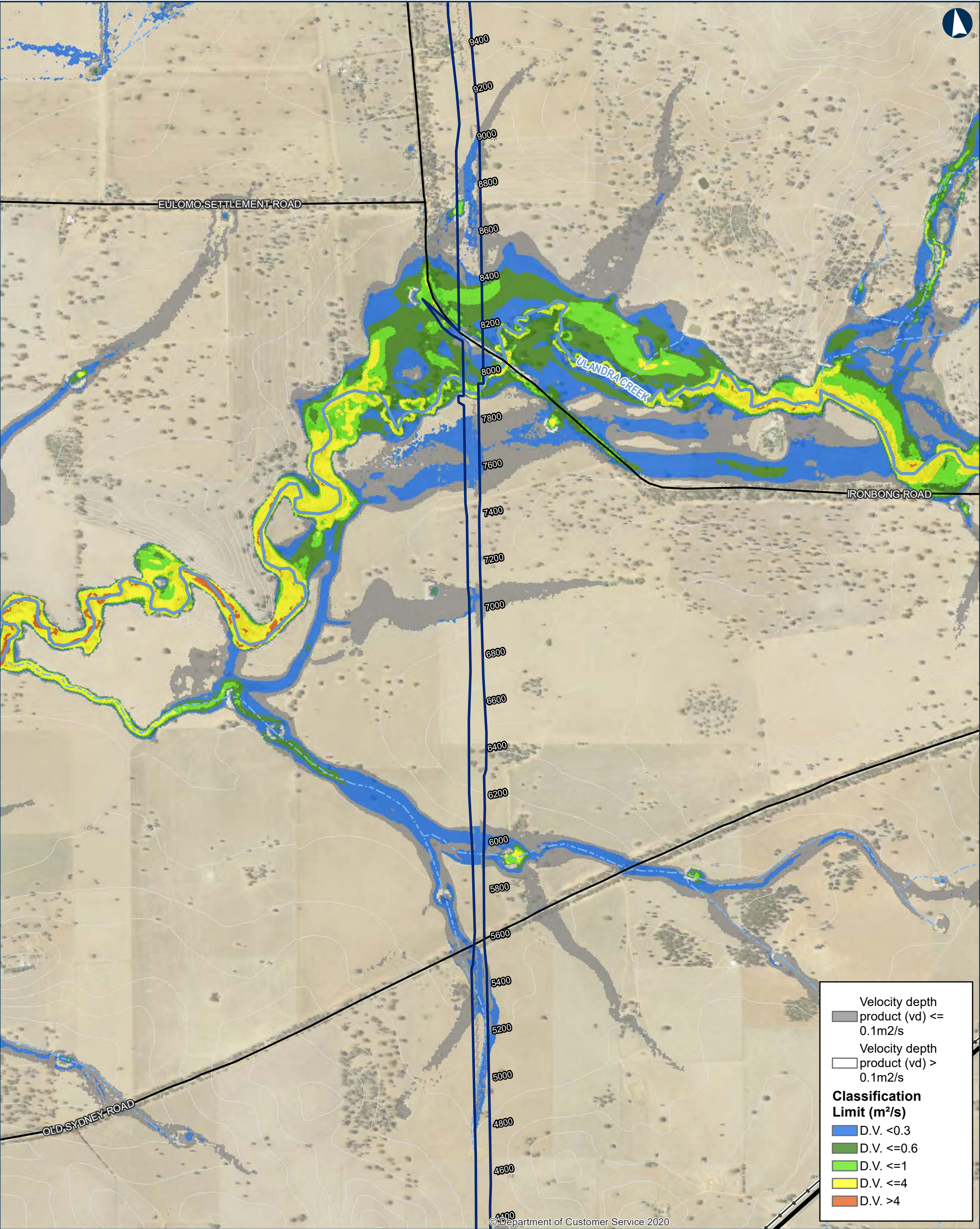
Arterial road



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ILLABO TO STOCKINBINGAL 1% AEPCC Flood Existing Hazard

Map 2 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

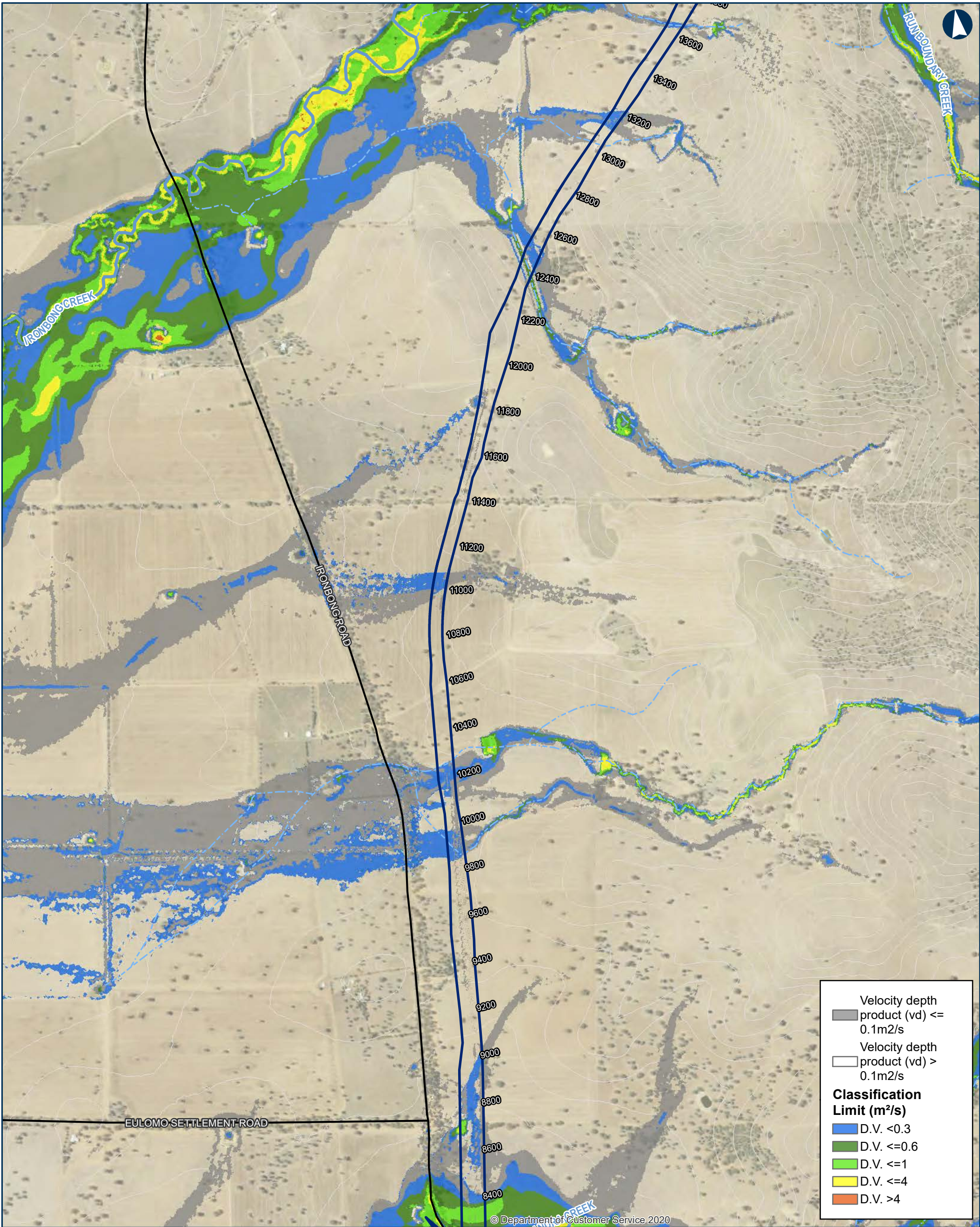
Arterial road



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Velocity depth

product (vd) <= 0.1m2/s

Velocity depth

product (vd) > 0.1m2/s

Classification

Limit (m<sup>2</sup>/s)

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO TO STOCKINBINGAL 1% AEPCC Flood Existing Hazard

Map 3 of 9

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

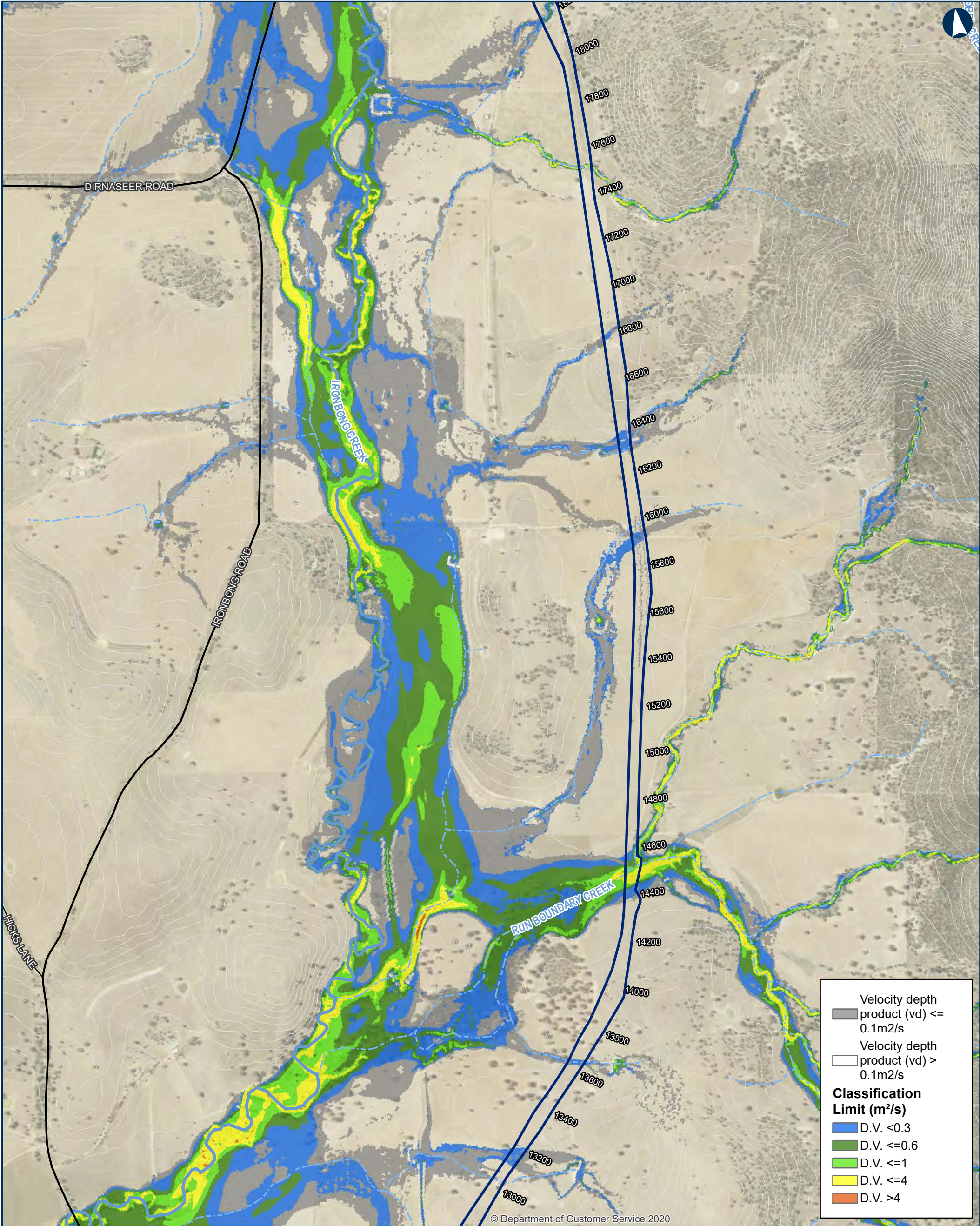
Sub-arterial road

Arterial road

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Velocity depth  
product (vd)  $\leq$  0.1m<sup>2</sup>/s

Velocity depth  
product (vd) > 0.1m<sup>2</sup>/s

**Classification Limit (m<sup>2</sup>/s)**

- D.V. <0.3
- D.V.  $\leq$ 0.6
- D.V.  $\leq$ 1
- D.V.  $\leq$ 4
- D.V. >4

ILLABO TO STOCKINBINAL 1% AEPCC Flood Existing Hazard

Map 4 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

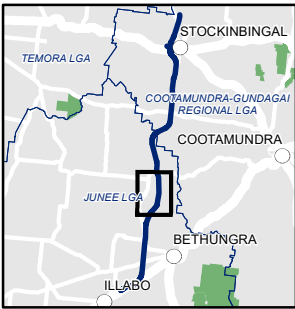
Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

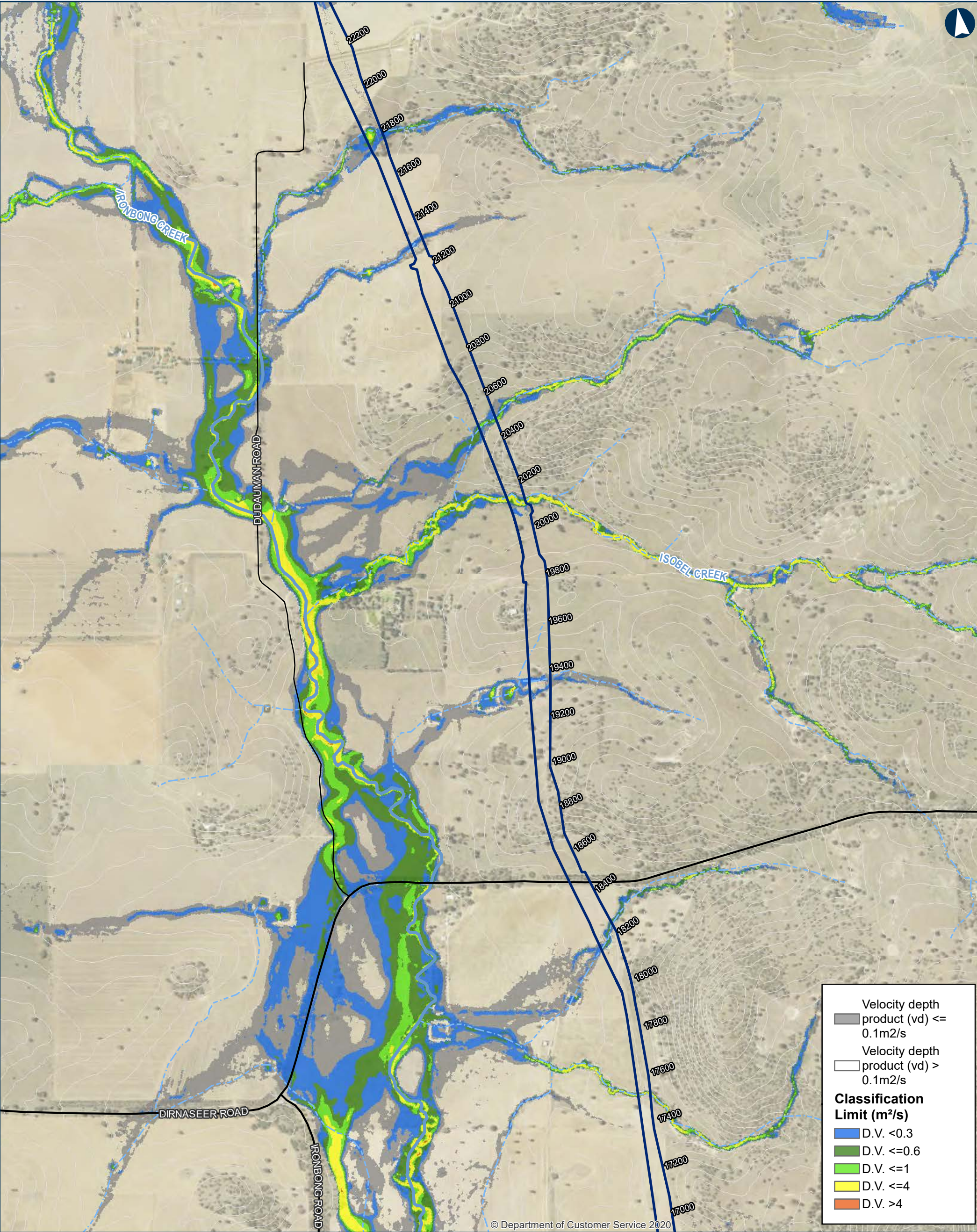
40950



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ILLABO TO STOCKINBINGAL 1% AEPCC Flood Existing Hazard

Map 5 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

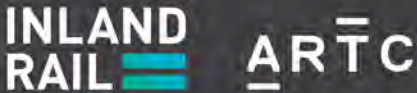
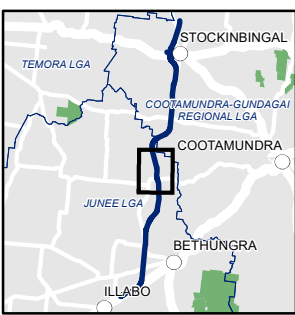
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 1% AEPCC Flood Existing Hazard

Map 6 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

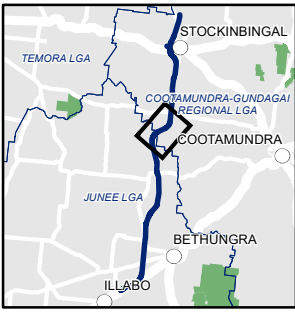
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

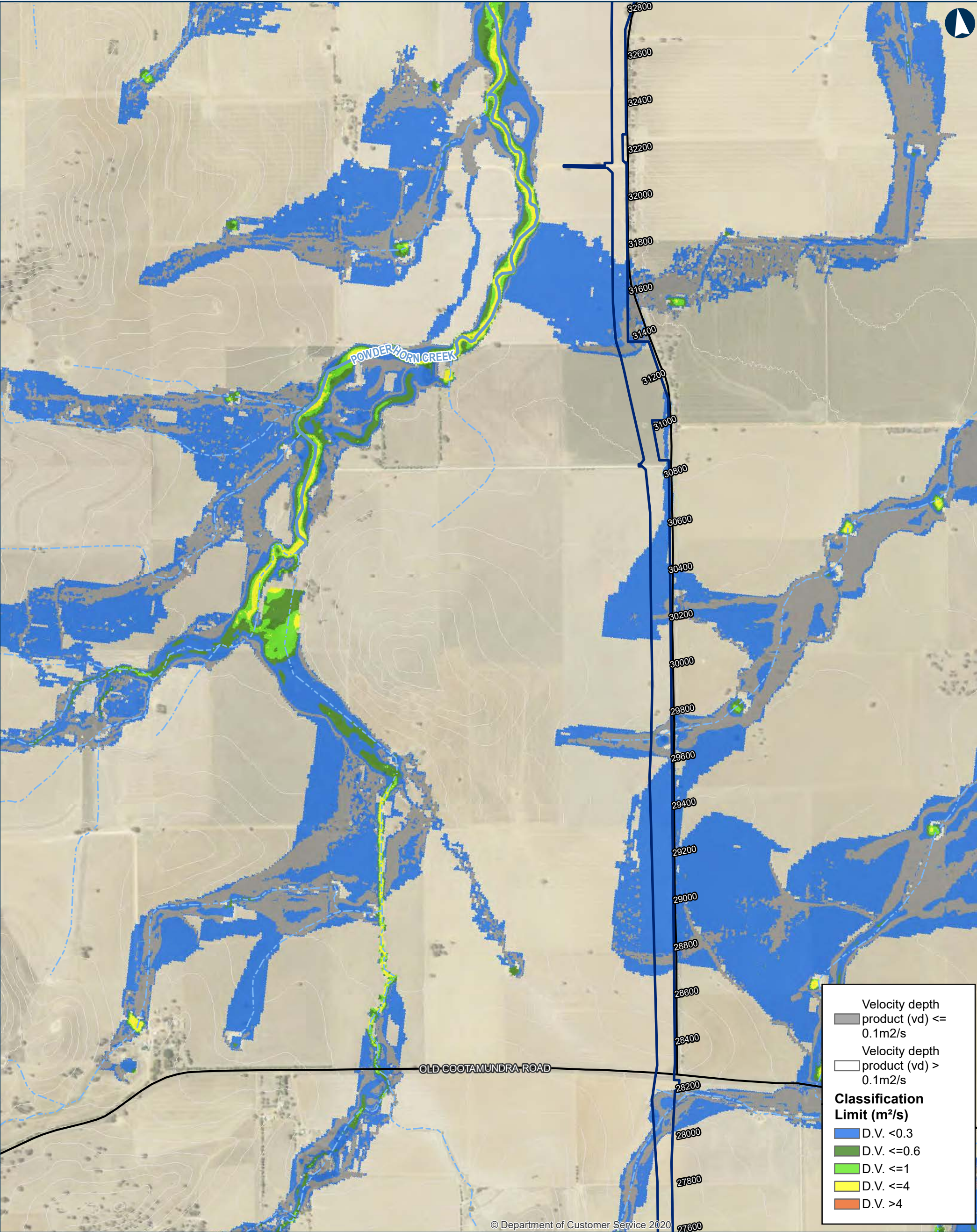
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL 1% AEPCC Flood Existing Hazard

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

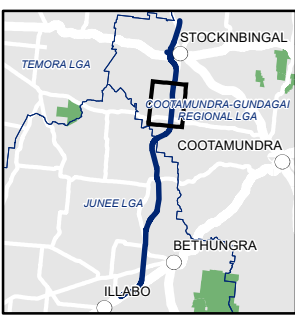
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

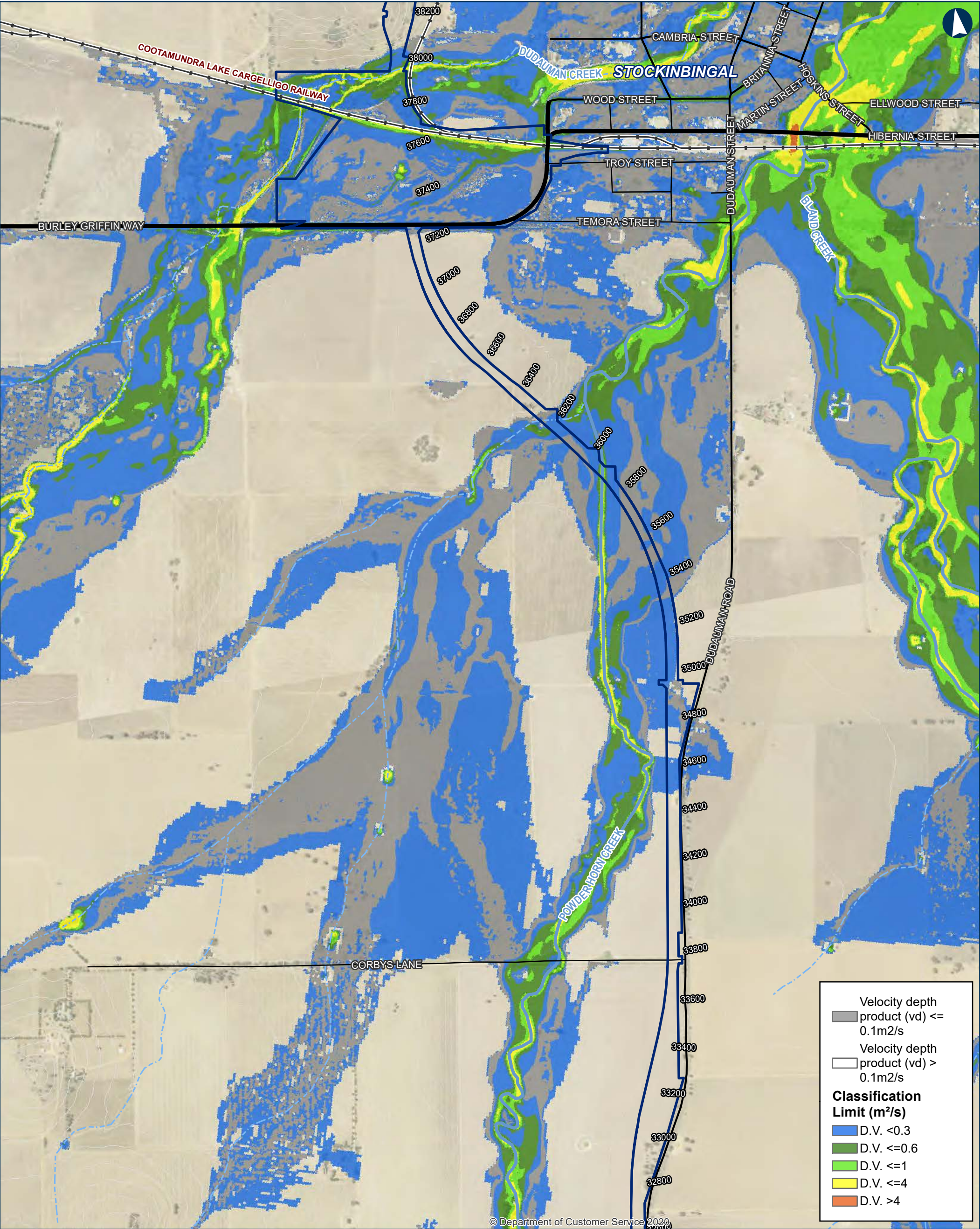
Sub-arterial road

Arterial road



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0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

Date: 5/10/2023

Author: IRDJV

Data Sources: IRDJV, ARTC, LPI

Paper: A3

Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

ILLABO TO STOCKINBINGAL 1% AEPCC Flood Existing Hazard

Map 8 of 9

STOCKINBINGAL

ILLABO

TEMPORA LGA

COOTAMUNDRA-GUNDAGAI REGIONAL LGA

COOTAMUNDRA

BETHUNGRA

JUNEE LGA

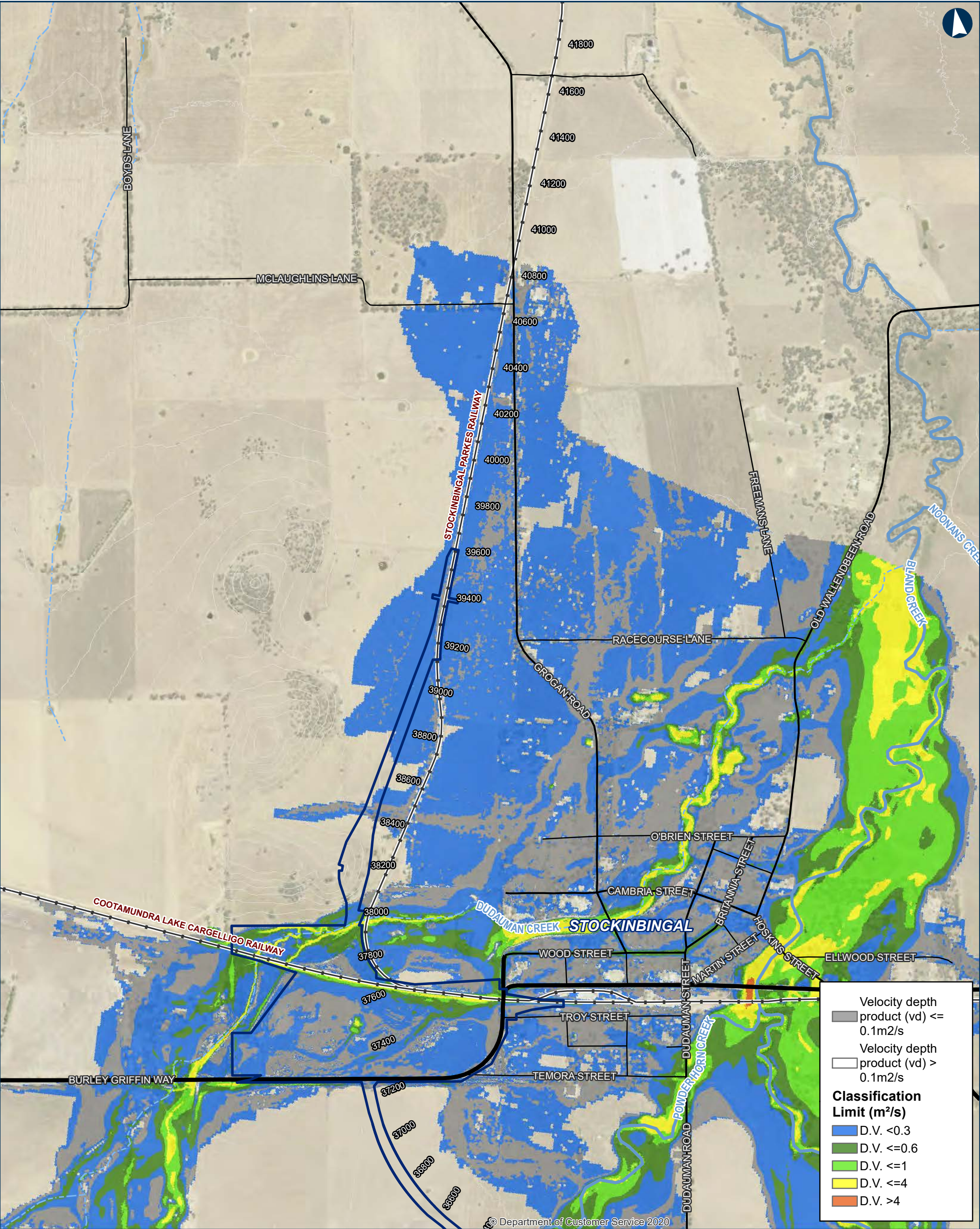
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ARTC

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ILLABO TO STOCKINBINGAL 1% AEPC Flood Existing Hazard

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

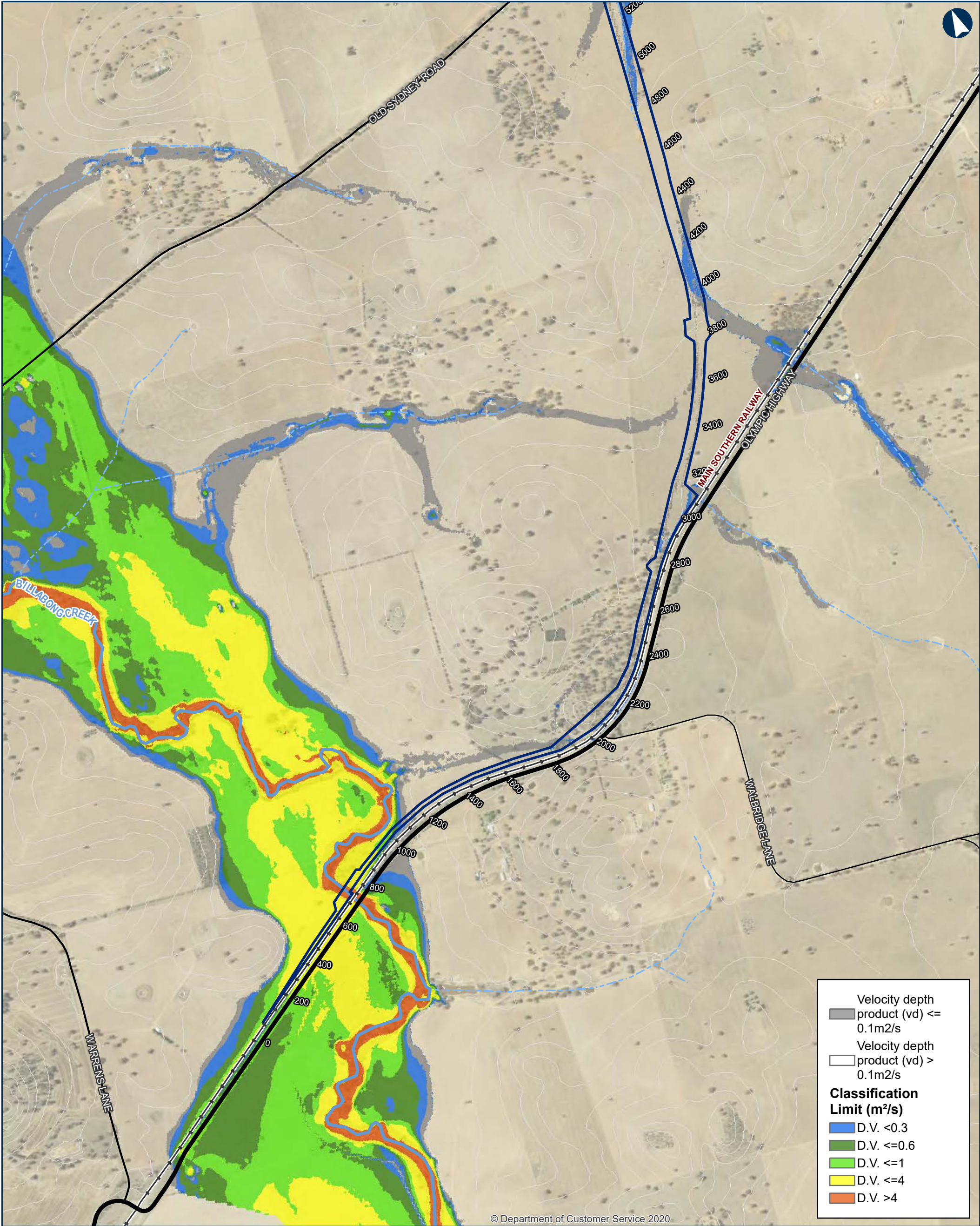
Sub-arterial road

Arterial road



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Velocity depth  
product (vd) <= 0.1m2/s

Velocity depth  
product (vd) > 0.1m2/s

Classification  
Limit (m²/s)

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

Map 1 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

STOCKINBINGAL

TEMORA LGA

COOTAMUNDRA-GUNDAGAI REGIONAL LGA

COOTAMUNDRA

JUNE LGA

BETHUNGRA

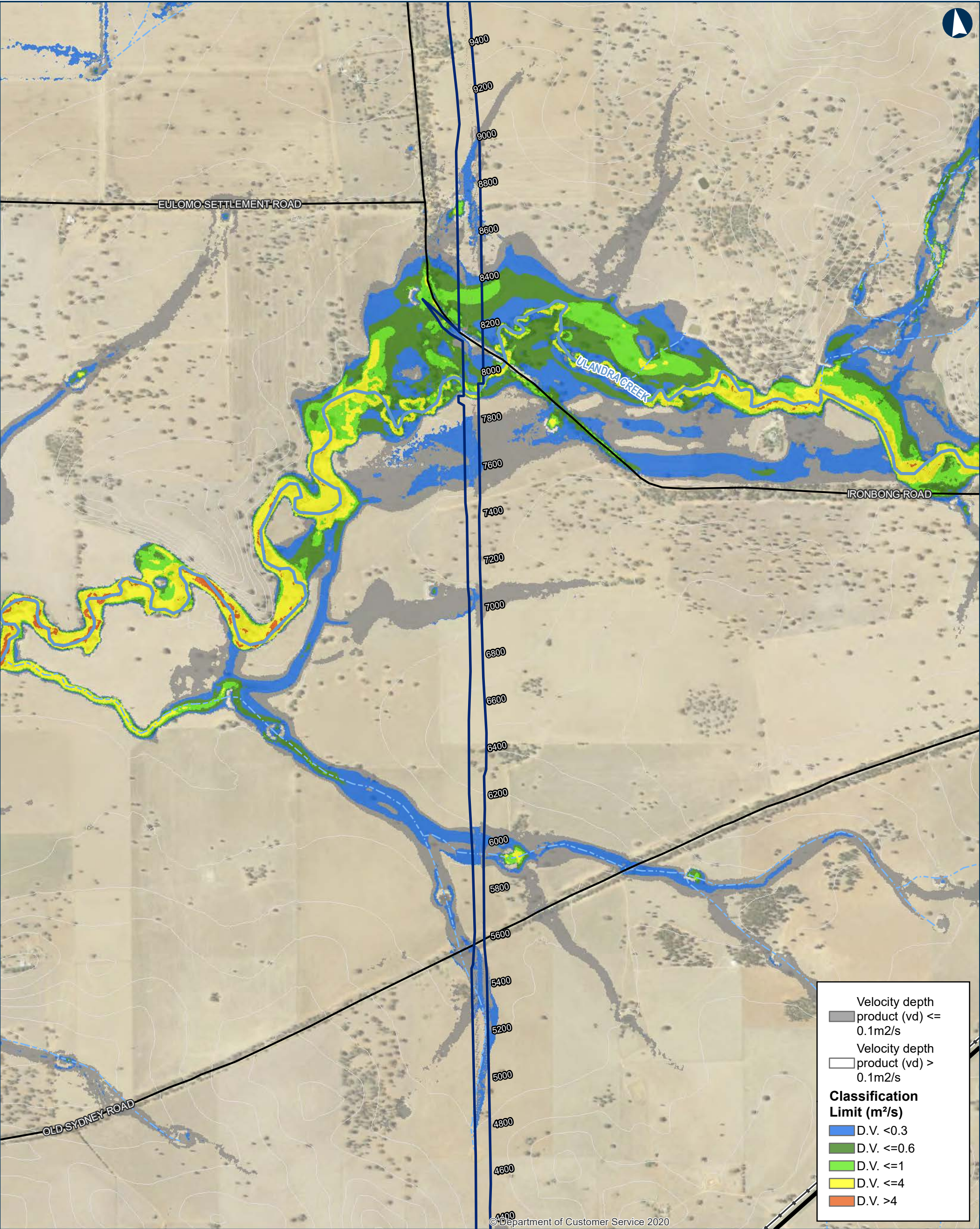
ILLABO

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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

Map 2 of 9

0 200 400 Metres

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

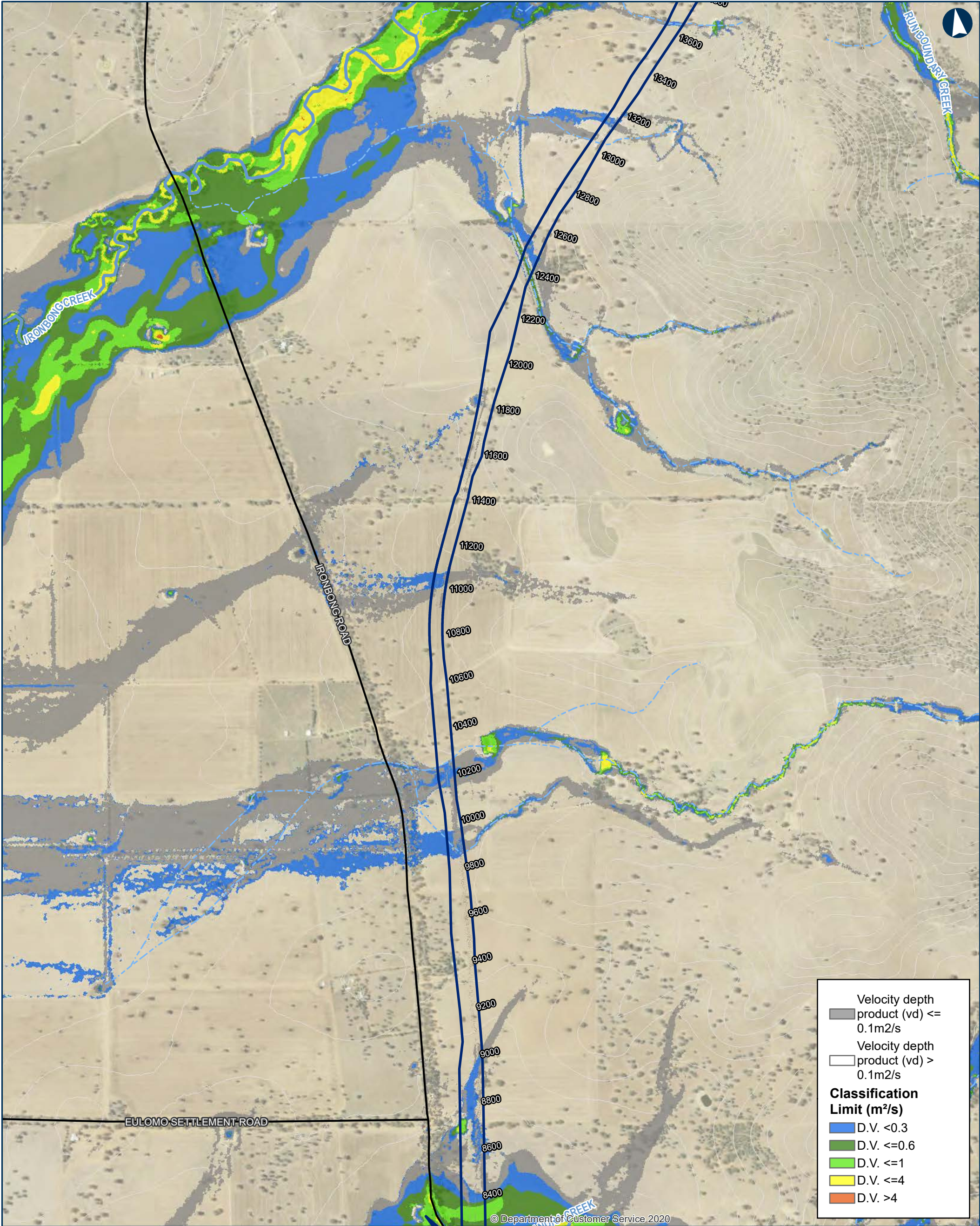
Sub-arterial road

Arterial road

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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

Map 3 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing Rail

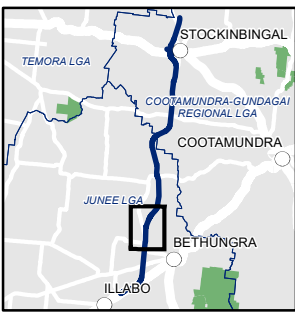
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

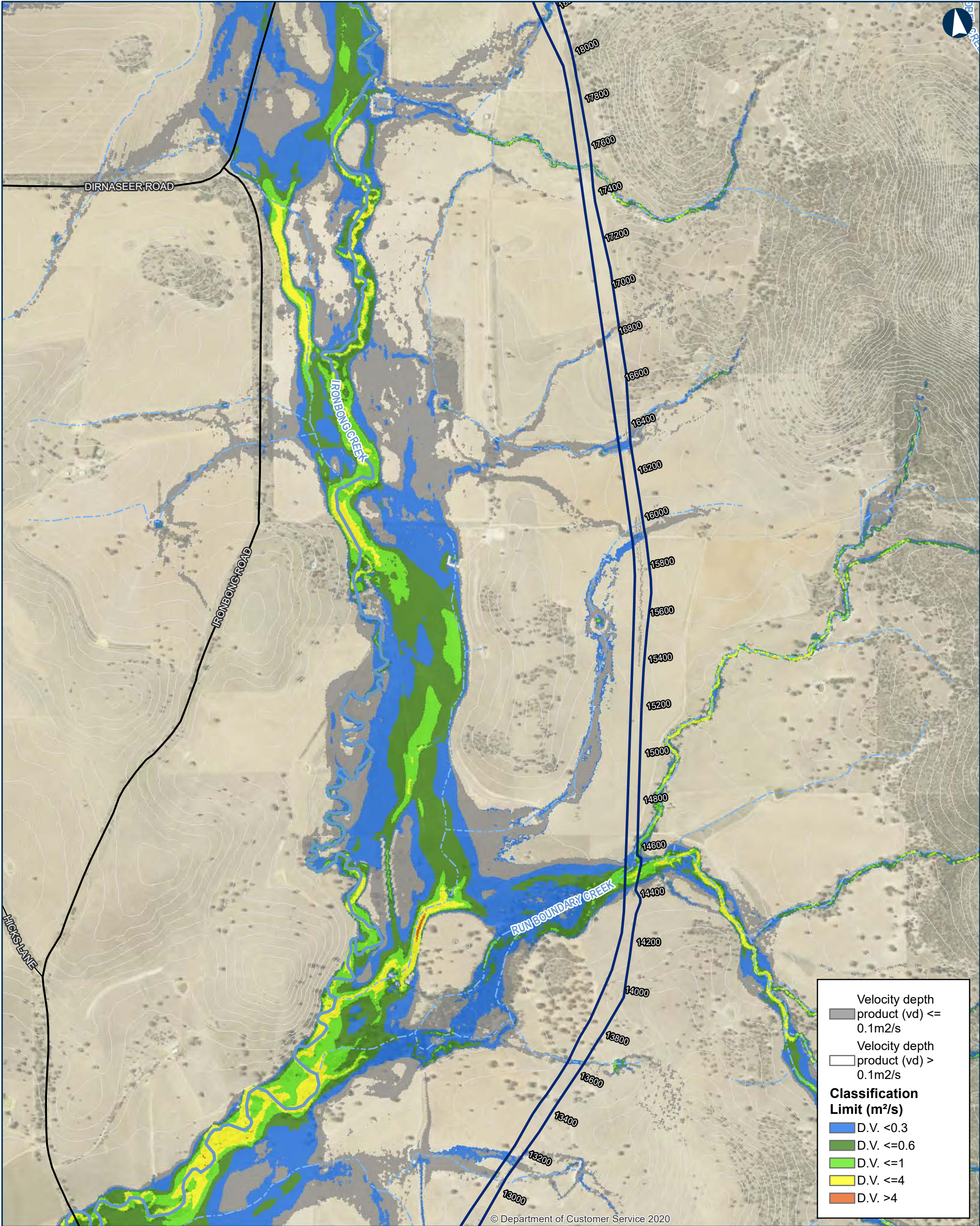
Arterial road



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Velocity depth product (vd) <= 0.1m2/s

Velocity depth product (vd) > 0.1m2/s

Classification Limit (m<sup>2</sup>/s)

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: IRDJV

Data Sources: IRDJV, ARTC, LPI

Paper: A3

Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

Map 4 of 9

ILLABO

STOCKINBINGAL

TEMPORA LGA

COOTAMUNDRA-GUNDAGAI REGIONAL LGA

COOTAMUNDRA

BETHUNGRA

JUNE LGA

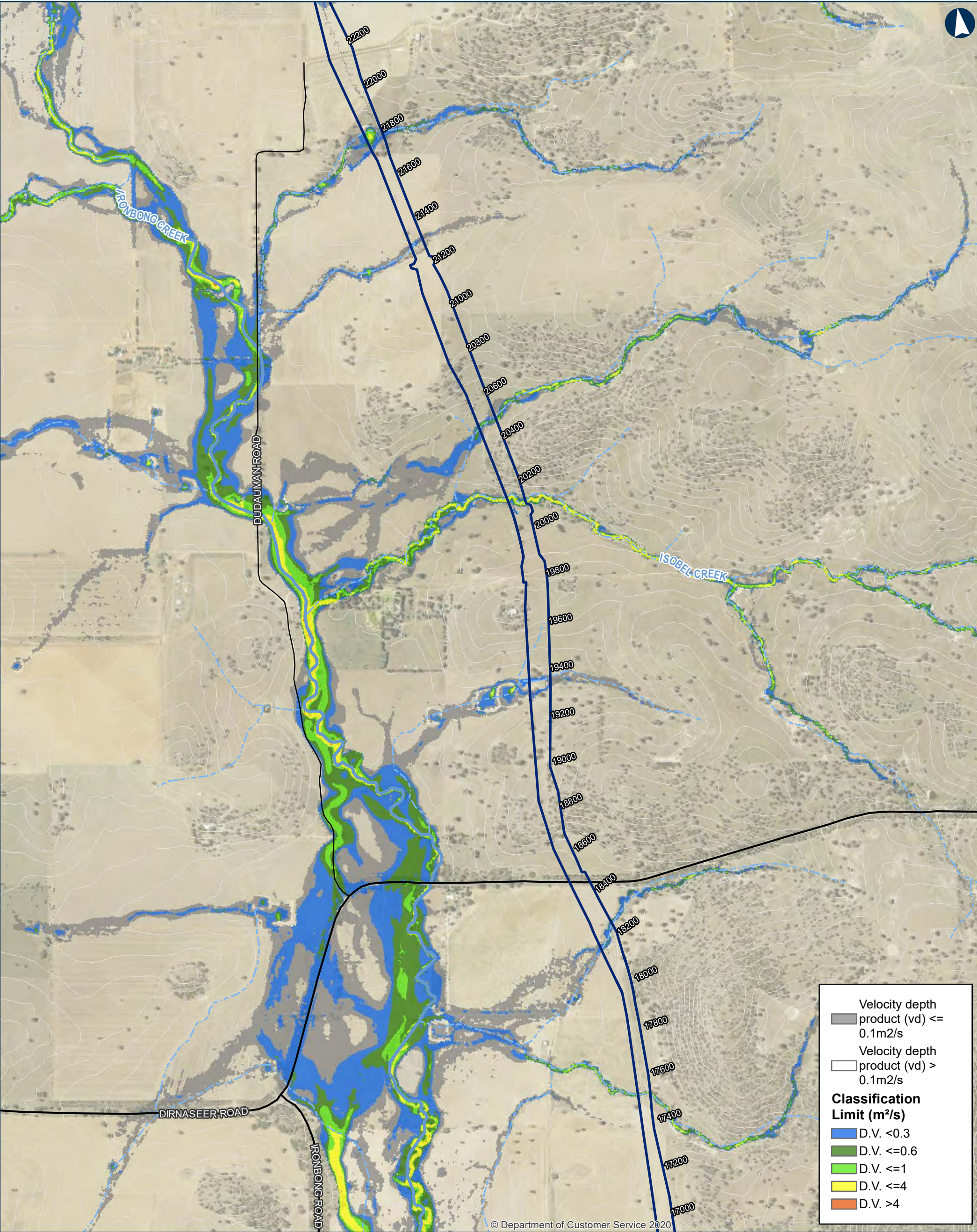
INLAND RAIL

ARTC

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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

Map 5 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

Velocity depth product (vd) <= 0.1m2/s

Velocity depth product (vd) > 0.1m2/s

**Classification Limit (m<sup>2</sup>/s)**

- D.V. < 0.3
- D.V. <= 0.6
- D.V. <= 1
- D.V. <= 4
- D.V. > 4

ILLABO TO STOCKINBINGAL

ILLABO

BETHUNGRA

COOTAMUNDRA

COOTAMUNDRA-GUNDAGAI REGIONAL LGA

JUNEE LGA

TEMORA LGA

STOCKINBINGAL

**INLAND RAIL**

**ARTC**

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





ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

Map 6 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023  
Author: IRDJV  
Data Sources: IRDJV, ARTC, LPI

Paper: A3  
Scale: 1:15,000

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing Rail

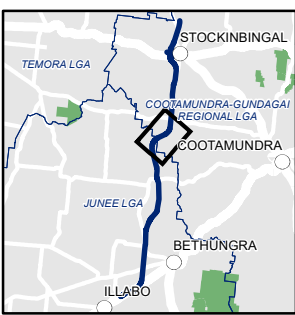
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

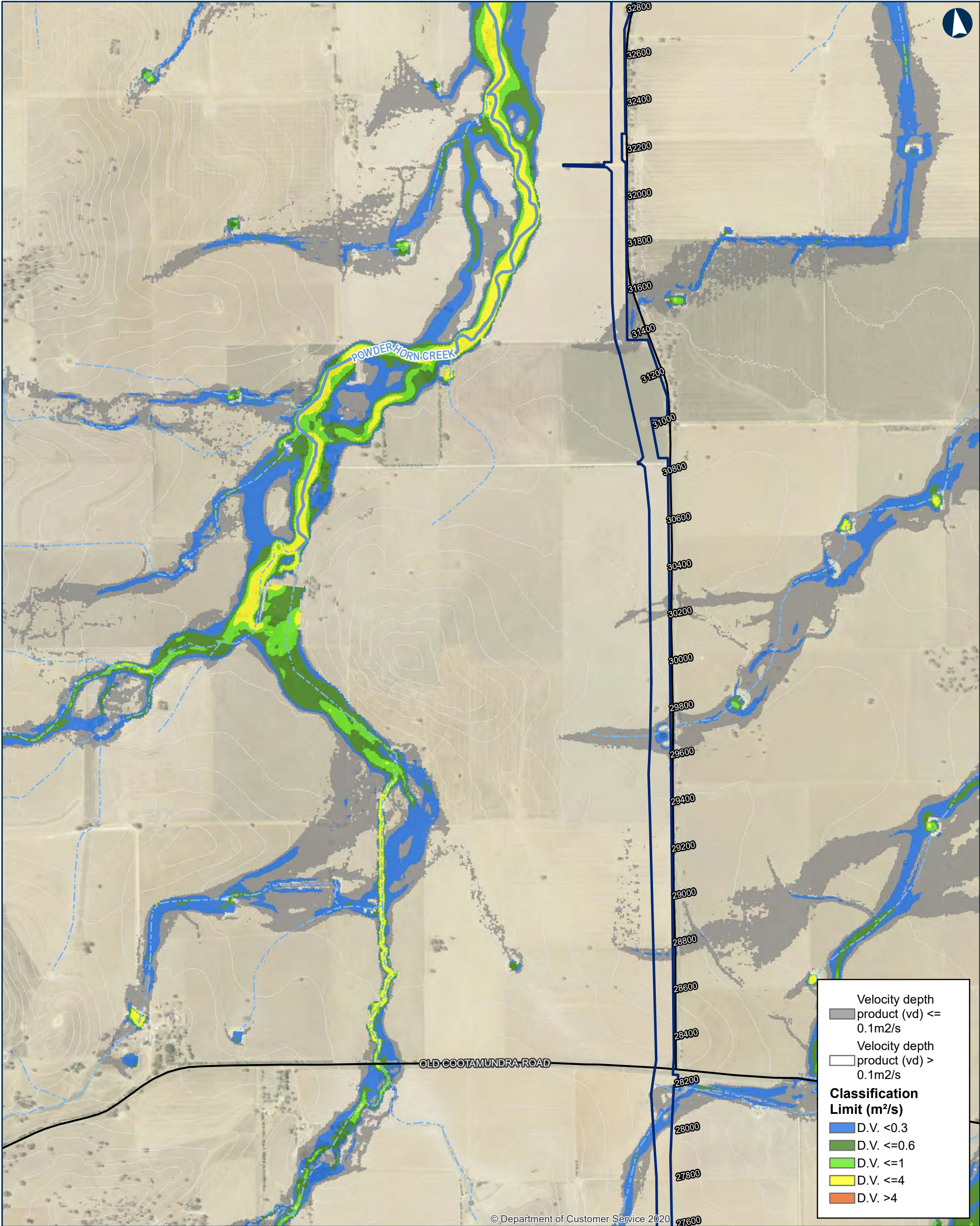
Arterial road



INLAND RAIL ARTC

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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

Map 7 of 9

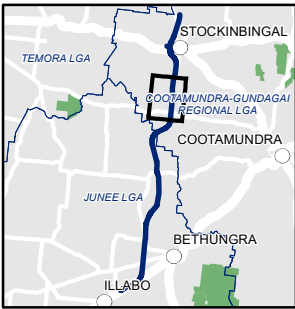
0 200 400  
Metres

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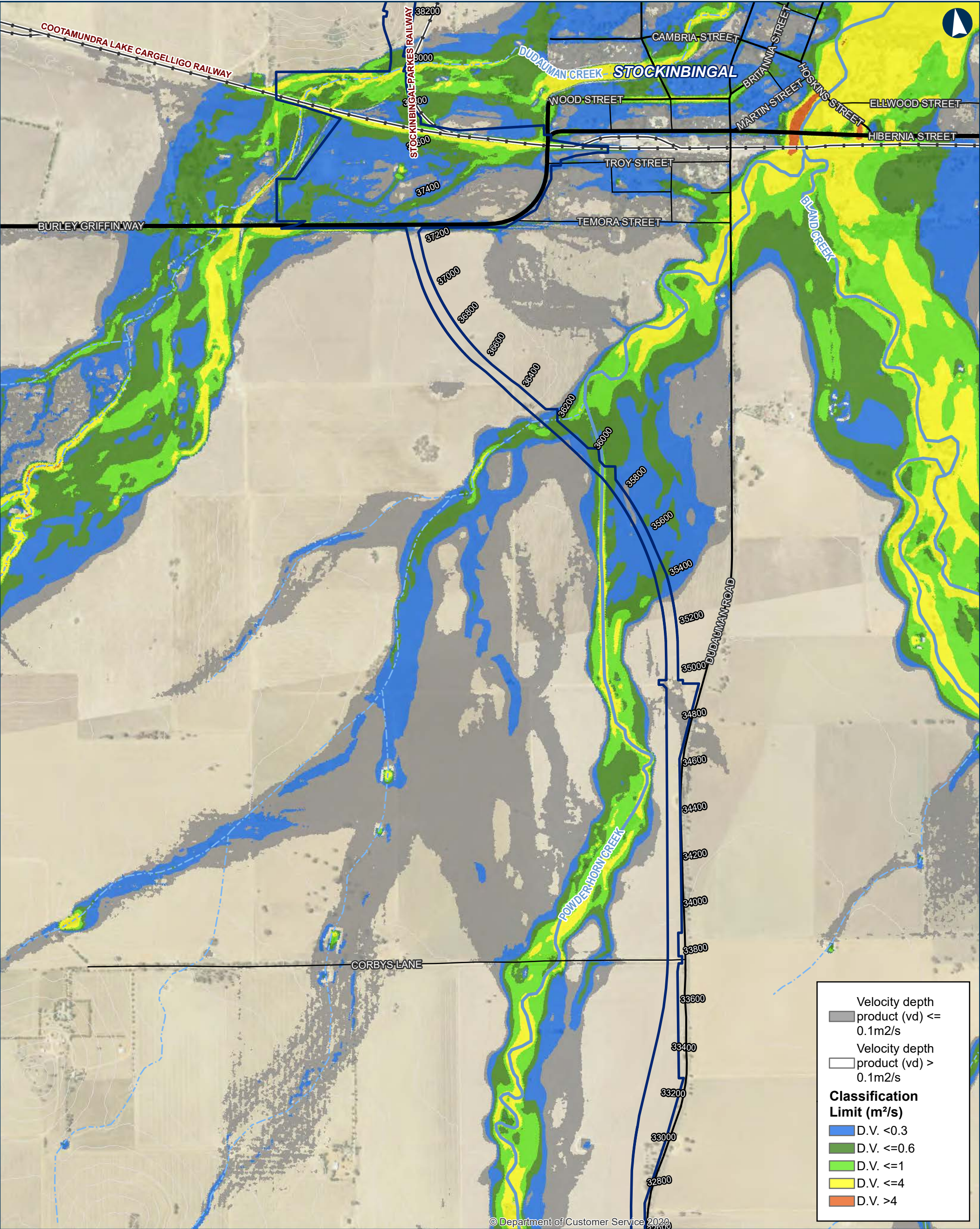
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal)
- 5m Contours
- Existing Rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

Map 8 of 9

0 200 400 Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

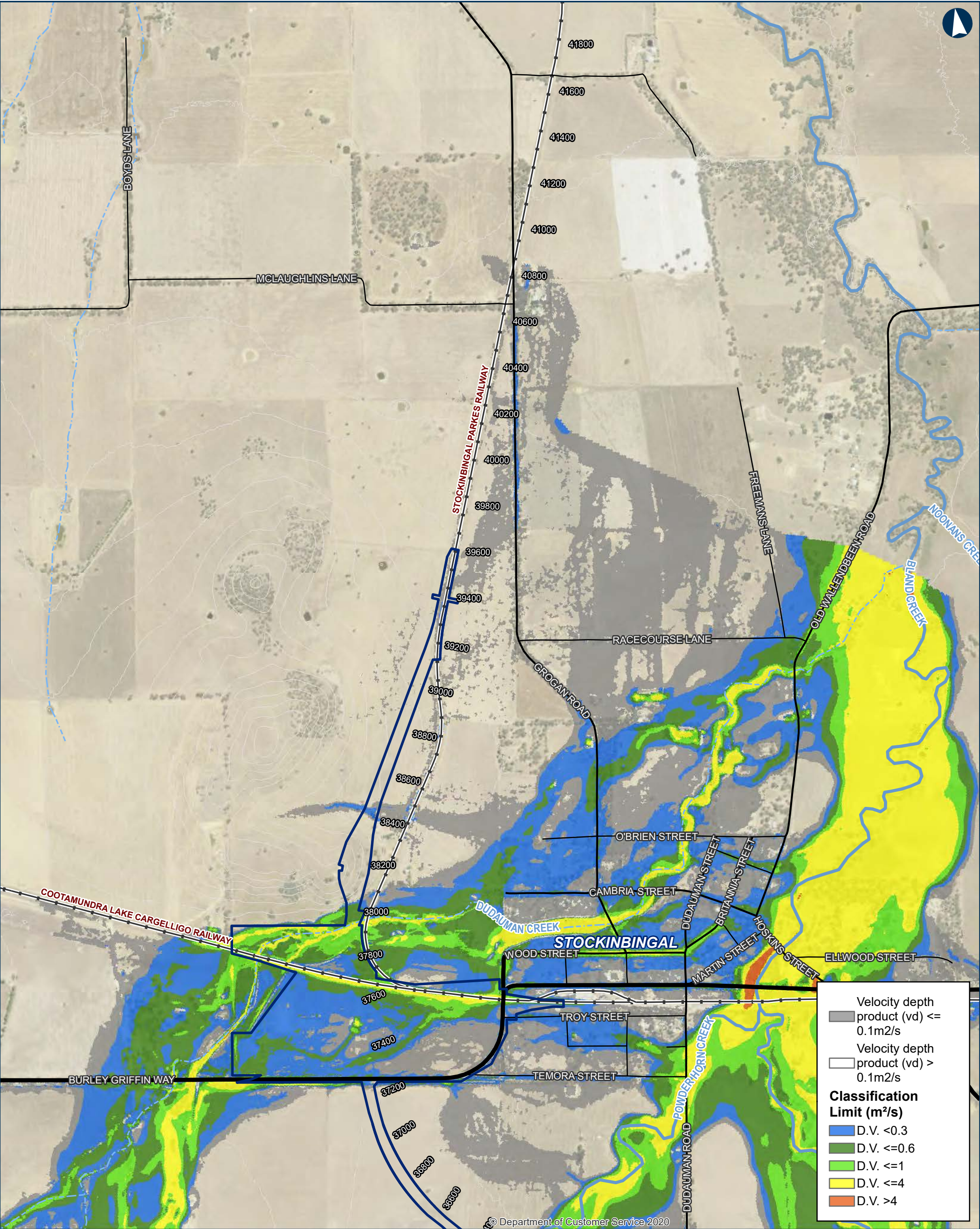
Sub-arterial road

Arterial road

**INLAND RAIL** **ARTC**

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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Existing Hazard

0200400Metres

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Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

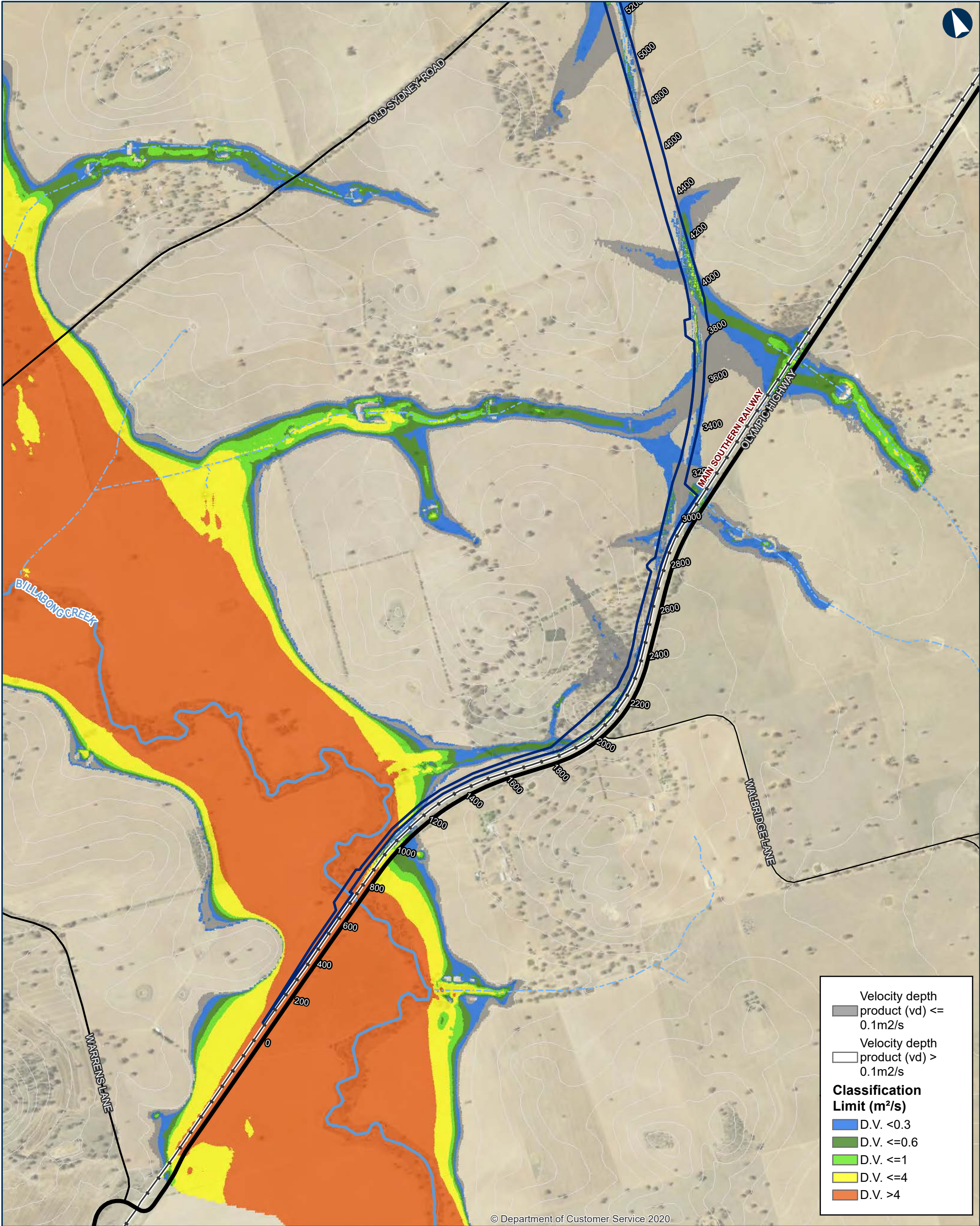
Arterial road



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Velocity depth product (vd) <= 0.1m2/s

Velocity depth product (vd) > 0.1m2/s

Classification Limit (m²/s)

D.V. < 0.3

D.V. <= 0.6

D.V. <= 1

D.V. <= 4

D.V. > 4

ILLABO TO STOCKINBINGAL Probable Maximum Flood Existing Hazard

Map 1 of 9

0 200 400 Metres

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Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

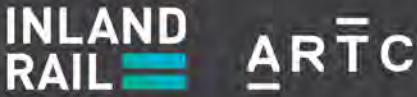
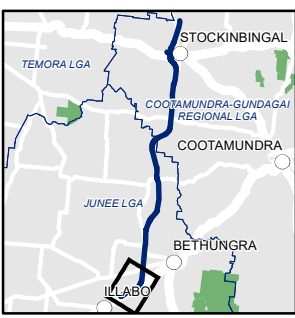
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

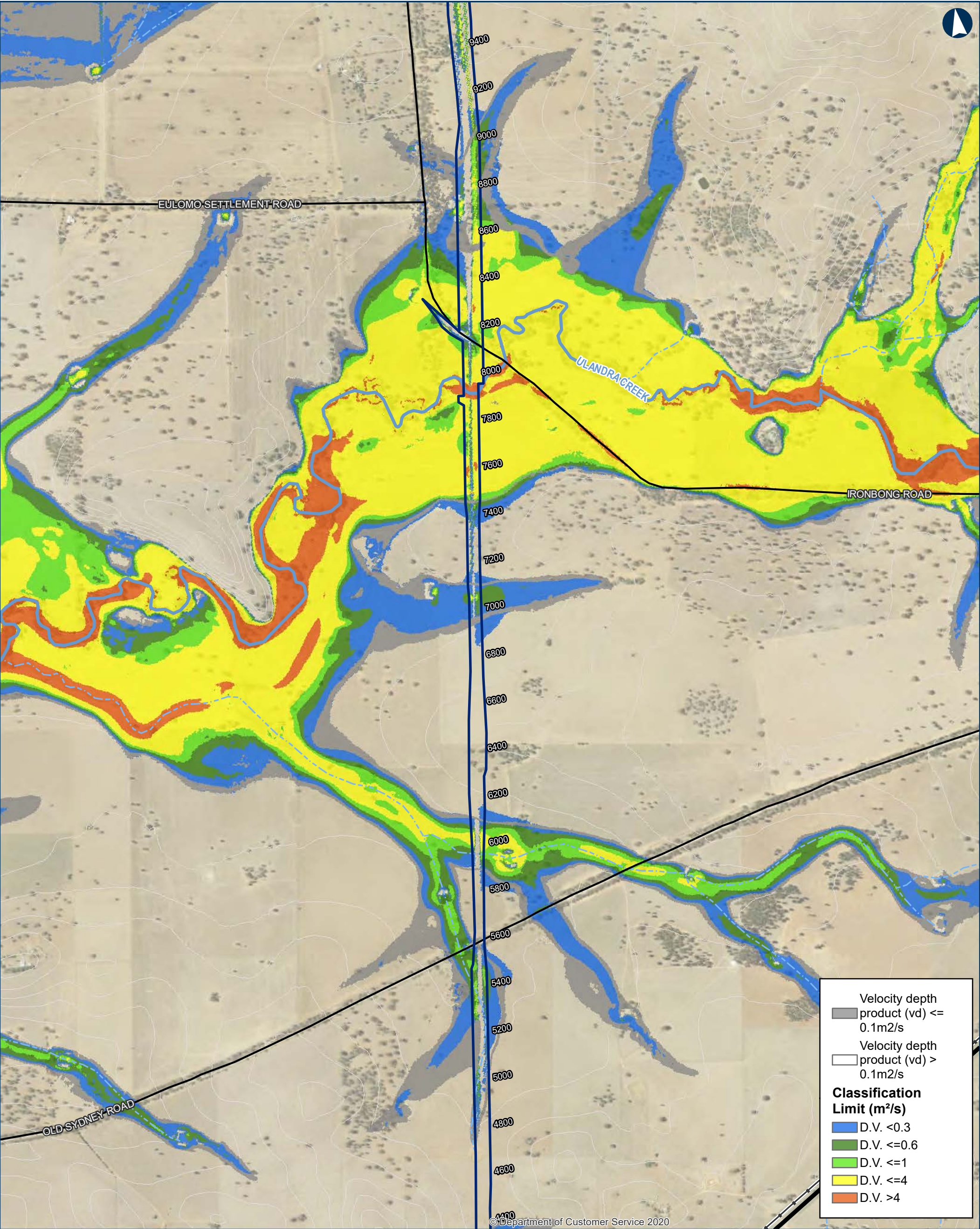
Sub-arterial road

Arterial road



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Velocity depth

product (vd) <= 0.1m2/s

Velocity depth

product (vd) > 0.1m2/s

Classification

Limit (m²/s)

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO TO STOCKINBINGAL Probable Maximum Flood Existing Hazard

Map 2 of 9

0200400

Metres

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/10/2023

Paper: A3

Author: IRDJV

Scale: 1:15,000

Data Sources: IRDJV, ARTC, LPI

Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

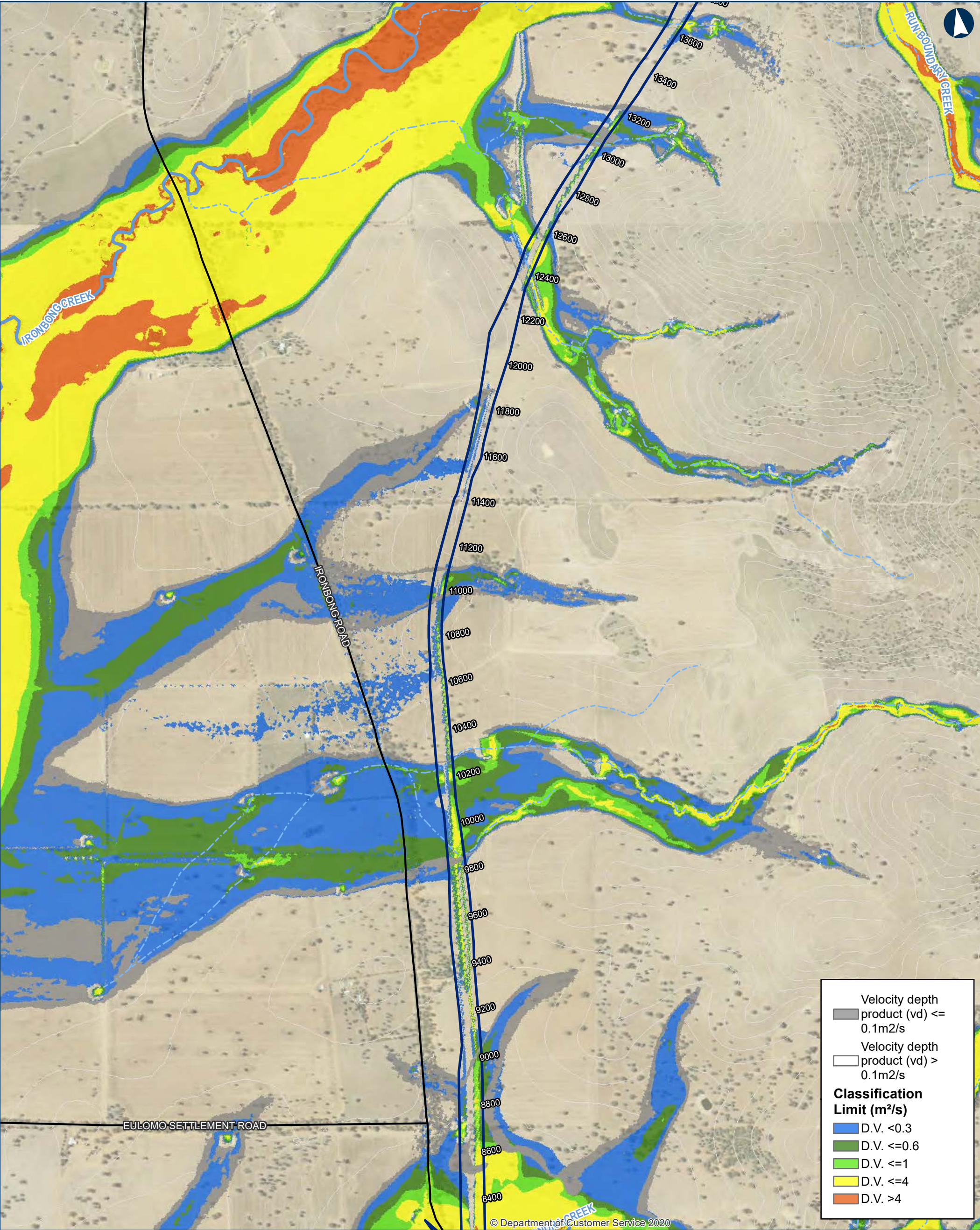
Sub-arterial road

Arterial road

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ILLABO TO STOCKINBINGAL Probable Maximum Flood Existing Hazard

Map 3 of 9

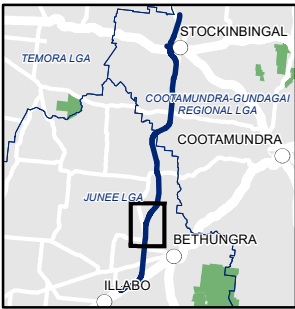
0 200 400 Metres

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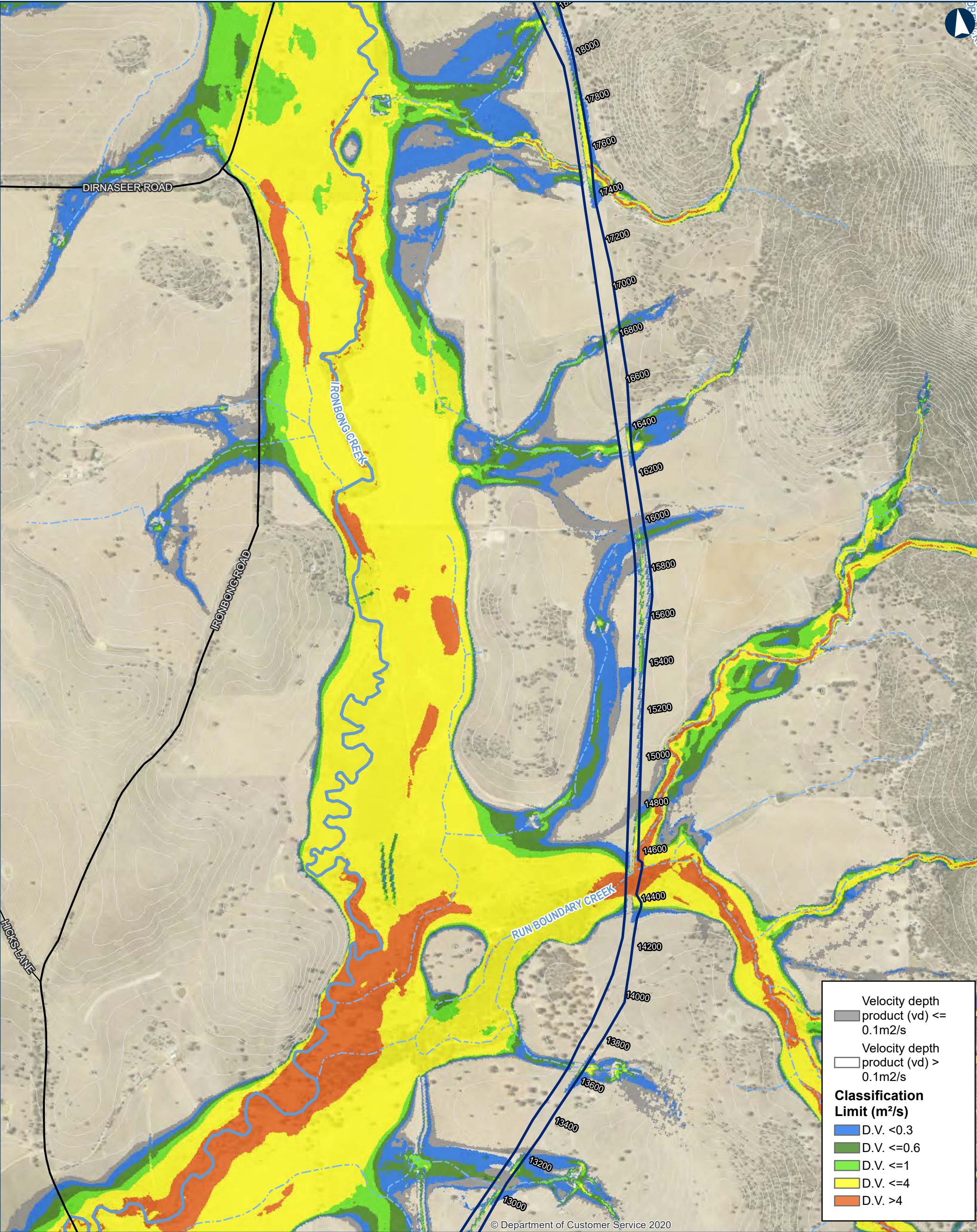
- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal)
- 5m Contours
- Existing Rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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Velocity depth product (vd) <= 0.1m<sup>2</sup>/s

Velocity depth product (vd) > 0.1m<sup>2</sup>/s

Classification Limit (m<sup>2</sup>/s)

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

0200400Metres

Coordinate System: GDA 1994 MGA Zone 55

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Author: IRDJV

Data Sources: IRDJV, ARTC, LPI

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing Rail

Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

Sub-arterial road

Arterial road

ILLABO TO STOCKINBINGAL Probable Maximum Flood Existing Hazard

Map 4 of 9

ILLABO

STOCKINBINGAL

TEMPORA LGA

COOTAMUNDRA-GUNDAGUI REGIONAL LGA

COOTAMUNDRA

BETHUNGRA

JUNEE LGA

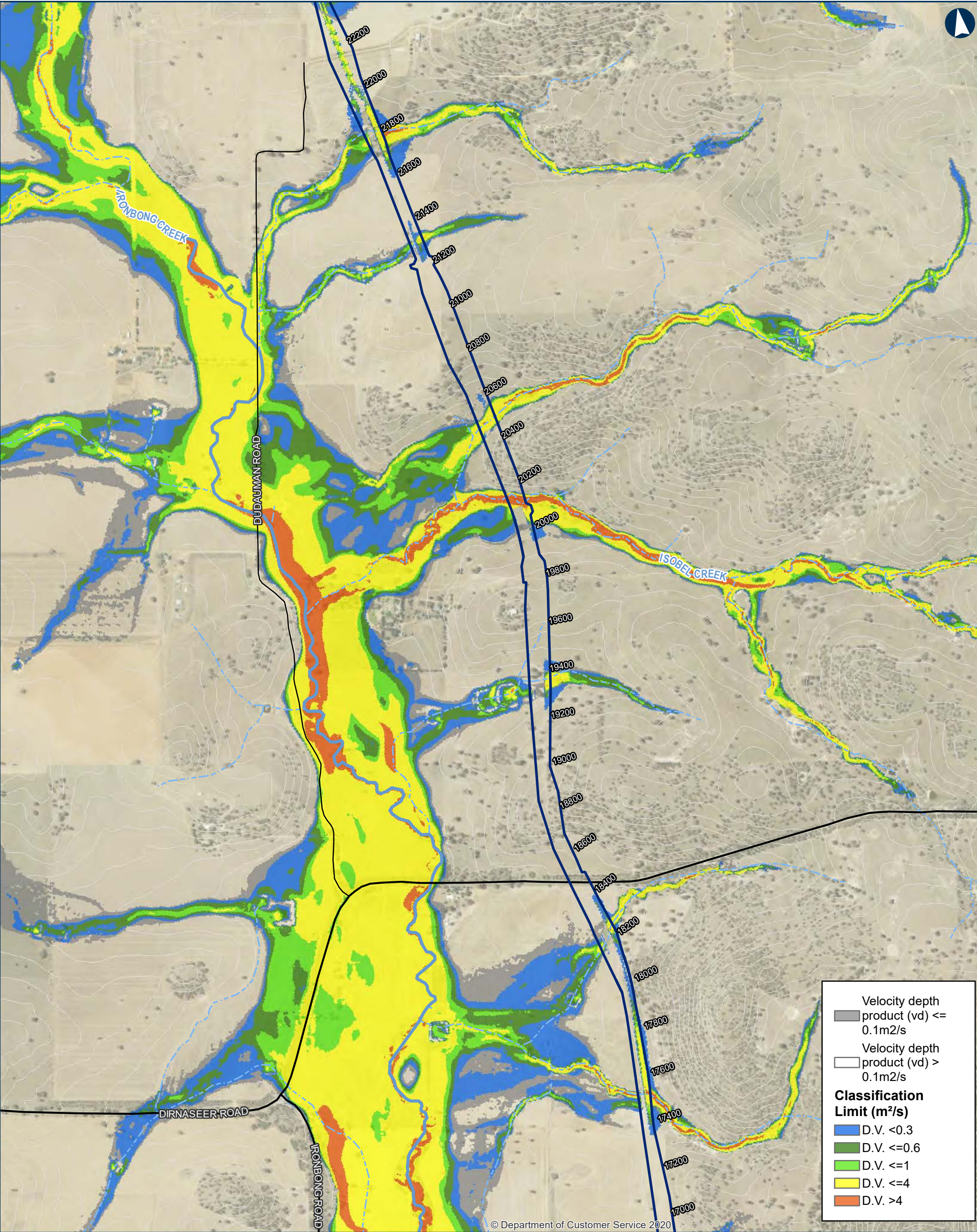
INLAND RAIL

ARTC

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ILLABO TO STOCKINBINGAL Probable Maximum Flood Existing Hazard

Map 5 of 9

0 200 400 Metres

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

40950

5m Contours

Existing Rail

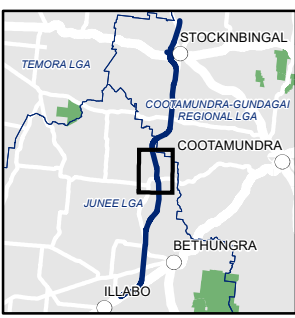
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

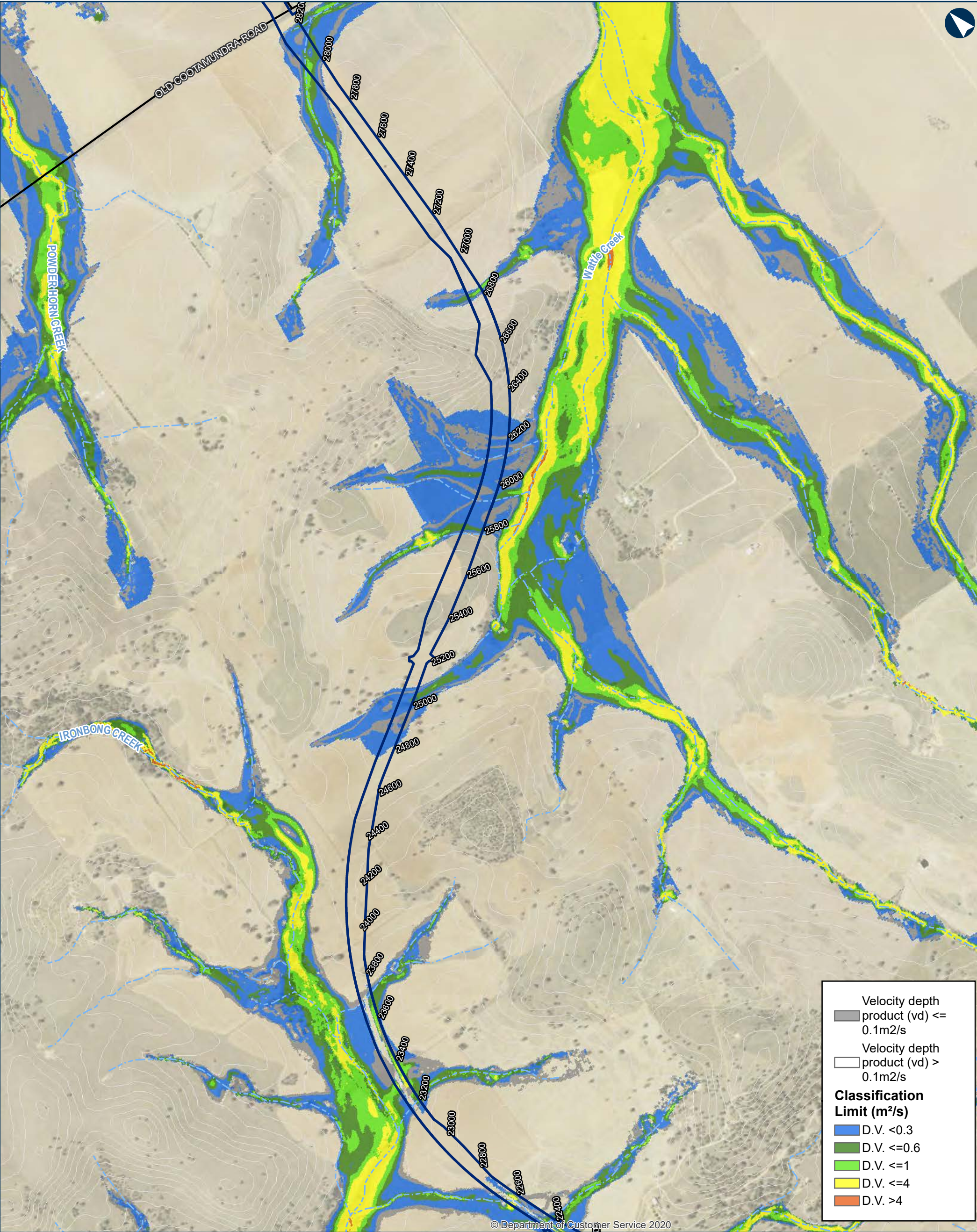
Sub-arterial road

Arterial road



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Velocity depth product (vd) <= 0.1m2/s

Velocity depth product (vd) > 0.1m2/s

Classification Limit (m²/s)

D.V. <0.3

D.V. <=0.6

D.V. <=1

D.V. <=4

D.V. >4

ILLABO TO STOCKINBINGAL Probable Maximum Flood Existing Hazard

Map 6 of 9

0200400Metres

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40950

5m Contours

Existing Rail

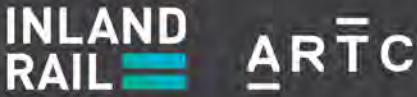
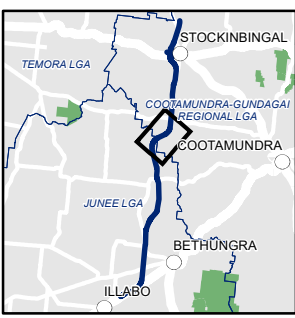
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

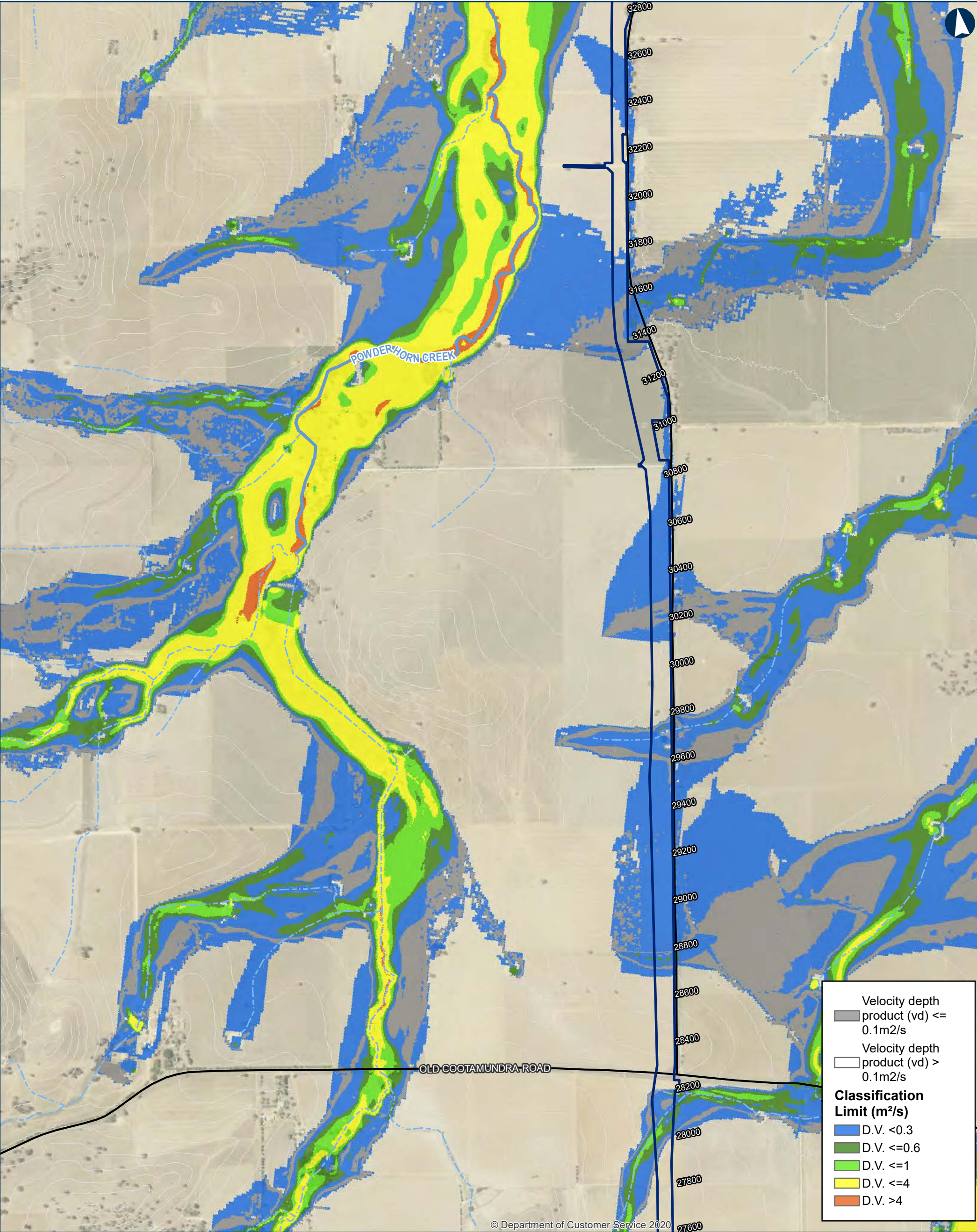
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL Probable Maximum Flood Existing Hazard

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Existing Rail

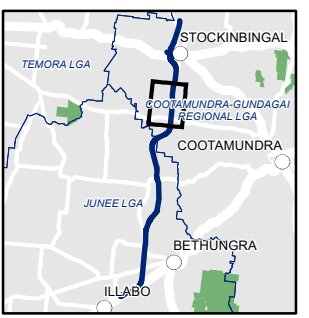
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Major watercourse (Strahler SO 4-6)

Local road

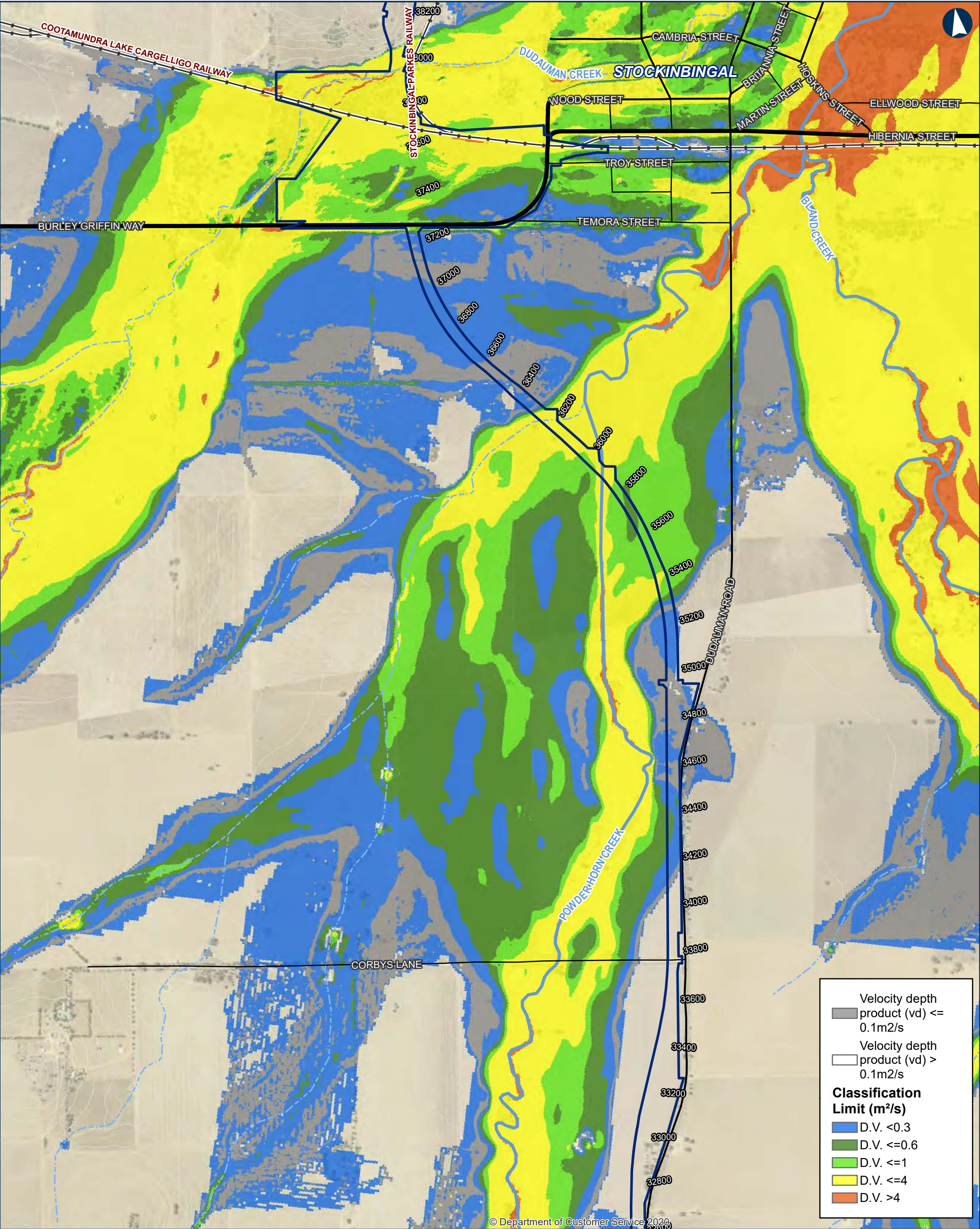
Sub-arterial road

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ILLABO TO STOCKINBINAL Probable Maximum Flood Existing Hazard

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Permanent acquisition boundary

Chainage (distance in metres from southern limit of the proposal)

5m Contours

Existing Rail

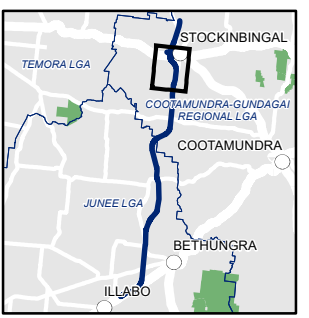
Minor watercourse (Strahler SO 1-3)

Major watercourse (Strahler SO 4-6)

Local road

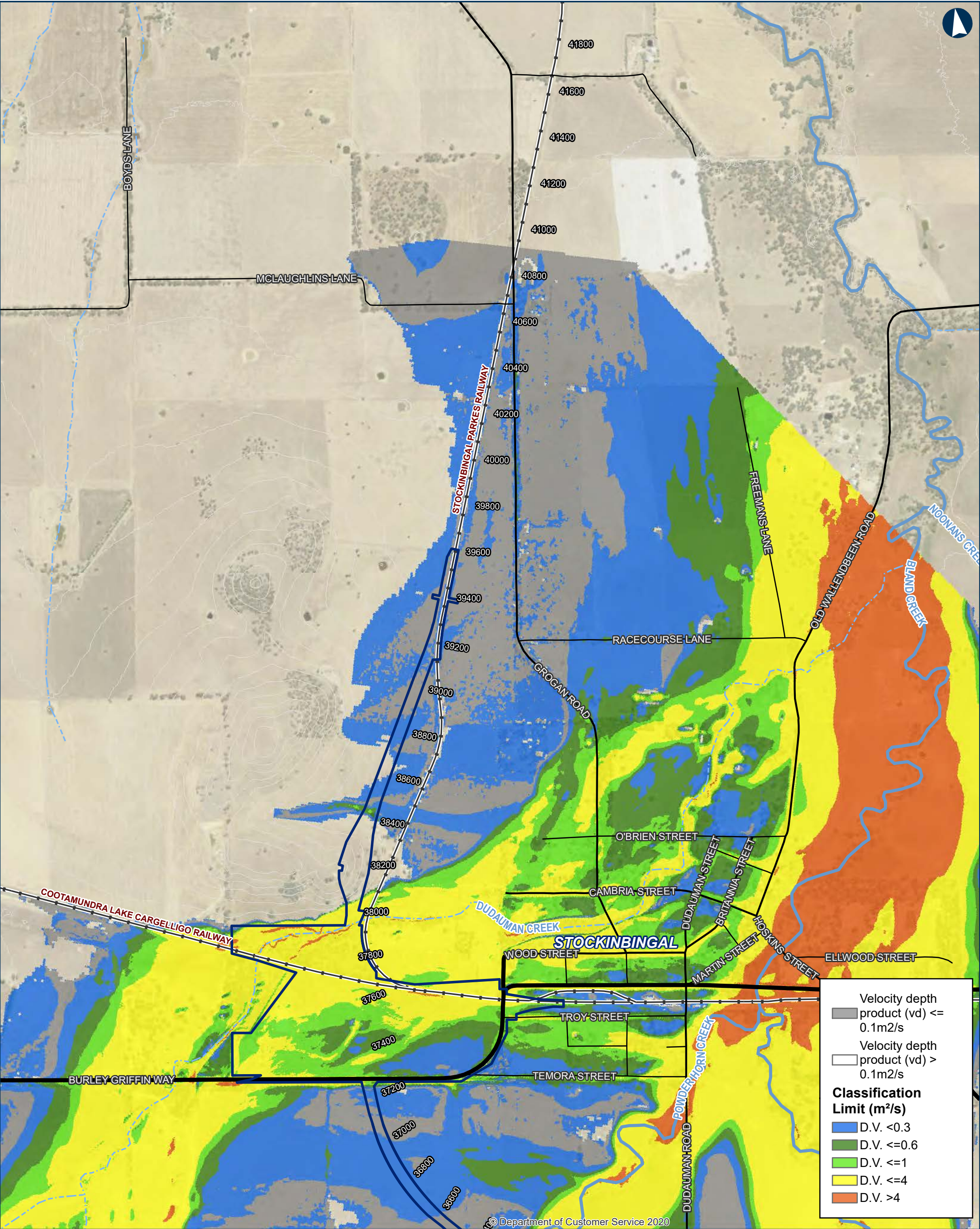
Sub-arterial road

Arterial road



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ILLABO TO STOCKINBINGAL Probable Maximum Flood Existing Hazard

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