APPENDIX D

Revised Hydrology and Flooding Impact Assessment Report

Part 4 of 7: Appendix D (1 of 4)

ILLABO TO STOCKINBINGAL RESPONSE TO SUBMISSIONS

INLAND RAIL IS A SUBSIDIARY OF
AUSTRALIAN RAIL TRACK CORPORATION

INLAND RAIL

APPENDIX

D

Revised Hydrology and Flooding Impact Assessment Report

Appendix D Flood maps—design conditions

ILLABO TO STOCKINBINGAL RESPONSE TO SUBMISSIONS

INLAND RAIL IS A SUBSIDIARY OF
AUSTRALIAN RAIL TRACK CORPORATION

INLAND RAIL

Map number in Series	Approximate Chainages (km)	Event	Map Title	Named Watercourse (chainage km)
1 of 9	0 to 5	0.2EY	Design Flood Depths and Levels	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.2EY	Design Flood Depths and Levels	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.2EY	Design Flood Depths and Levels	*unnamed tributaries*
4 of 9	13 to18	0.2EY	Design Flood Depths and Levels	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.2EY	Design Flood Depths and Levels	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.2EY	Design Flood Depths and Levels	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.2EY	Design Flood Depths and Levels	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.2EY	Design Flood Depths and Levels	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.2EY	Design Flood Depths and Levels	Dudauman Creek (37.94)
1 of 9	0 to 5	10% AEP	Design Flood Depths and Levels	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	10% AEP	Design Flood Depths and Levels	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	10% AEP	Design Flood Depths and Levels	*unnamed tributaries*
4 of 9	13 to18	10% AEP	Design Flood Depths and Levels	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	10% AEP	Design Flood Depths and Levels	Isobel Creek (20.142)
6 of 9	22 to 27.6	10% AEP	Design Flood Depths and Levels	*unnamed tributaries*
7 of 9	27.2 to 32.2	10% AEP	Design Flood Depths and Levels	*unnamed tributaries*
8 of 9	32.8 to 38.2	10% AEP	Design Flood Depths and Levels	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	10% AEP	Design Flood Depths and Levels	Dudauman Creek (37.94)
1 of 9	0 to 5	5% AEP	Design Flood Depths and Levels	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	5% AEP	Design Flood Depths and Levels	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	5% AEP	Design Flood Depths and Levels	*unnamed tributaries*
4 of 9	13 to18	5% AEP	Design Flood Depths and Levels	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	5% AEP	Design Flood Depths and Levels	Isobel Creek (20.142)
6 of 9	22 to 27.6	5% AEP	Design Flood Depths and Levels	*unnamed tributaries*
7 of 9	27.2 to 32.2	5% AEP	Design Flood Depths and Levels	*unnamed tributaries*
8 of 9	32.8 to 38.2	5% AEP	Design Flood Depths and Levels	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	5% AEP	Design Flood Depths and Levels	Dudauman Creek (37.94)
1 of 9	0 to 5	2% AEP	Design Flood Depths and Levels	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	2% AEP	Design Flood Depths and Levels	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	2% AEP	Design Flood Depths and Levels	*unnamed tributaries*
4 of 9	13 to18	2% AEP	Design Flood Depths and Levels	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	2% AEP	Design Flood Depths and Levels	Isobel Creek (20.142)
6 of 9	22 to 27.6	2% AEP	Design Flood Depths and Levels	*unnamed tributaries*
7 of 9	27.2 to 32.2	2% AEP	Design Flood Depths and Levels	*unnamed tributaries*
8 of 9	32.8 to 38.2	2% AEP	Design Flood Depths and Levels	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	2% AEP	Design Flood Depths and Levels	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP	Design Flood Depths and Levels	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP	Design Flood Depths and Levels	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP	Design Flood Depths and Levels	*unnamed tributaries*
4 of 9	13 to18	1% AEP	Design Flood Depths and Levels	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP	Design Flood Depths and Levels	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP	Design Flood Depths and Levels	*unnamed tributaries*
7 of 9	27.2 to 32.2	1% AEP	Design Flood Depths and Levels	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP	Design Flood Depths and Levels	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP	Design Flood Depths and Levels	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP +CC	Design Flood Depths and Levels	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP +CC	Design Flood Depths and Levels	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP +CC	Design Flood Depths and Levels	*unnamed tributaries*
4 of 9	13 to18	1% AEP +CC	Design Flood Depths and Levels	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP +CC	Design Flood Depths and Levels	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP +CC	Design Flood Depths and Levels	*unnamed tributaries*
7of 9	27.2 to 32.2	1% AEP +CC	Design Flood Depths and Levels	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP +CC	Design Flood Depths and Levels	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP +CC	Design Flood Depths and Levels	Dudauman Creek (37.94)
1 of 9	0 to 5	0.05% AEP	Design Flood Depths and Levels	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.05% AEP	Design Flood Depths and Levels	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.05% AEP	Design Flood Depths and Levels	*unnamed tributaries*
4 of 9	13 to18	0.05% AEP	Design Flood Depths and Levels	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.05% AEP	Design Flood Depths and Levels	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.05% AEP	Design Flood Depths and Levels	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.05% AEP	Design Flood Depths and Levels	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.05% AEP	Design Flood Depths and Levels	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.05% AEP	Design Flood Depths and Levels	Dudauman Creek (37.94)
1 of 9	0 to 5	PMF	Design Flood Depths and Levels	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	PMF	Design Flood Depths and Levels	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	PMF	Design Flood Depths and Levels	*unnamed tributaries*
4 of 9	13 to18	PMF	Design Flood Depths and Levels	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	PMF	Design Flood Depths and Levels	Isobel Creek (20.142)
6 of 9	22 to 27.6	PMF	Design Flood Depths and Levels	*unnamed tributaries*

Map number in Series	Approximate Chainages (km)	Event	Map Title	Named Watercourse (chainage km)
7 of 9	27.2 to 32.2	PMF	Design Flood Depths and Levels	*unnamed tributaries*
8 of 9	32.8 to 38.2	PMF	Design Flood Depths and Levels	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	PMF	Design Flood Depths and Levels	Dudauman Creek (37.94)
1 of 9	0 to 5	0.2EY	Design Velocity	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.2EY	Design Velocity	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.2EY	Design Velocity	*unnamed tributaries*
4 of 9	13 to18	0.2EY	Design Velocity	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.2EY	Design Velocity	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.2EY	Design Velocity	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.2EY	Design Velocity	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.2EY	Design Velocity	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.2EY	Design Velocity	Dudauman Creek (37.94)
1 of 9	0 to 5	10% AEP	Design Velocity	Billabong Creek (0.739)
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3 of 9	8.4 to 13.4	10% AEP	Design Velocity	*unnamed tributaries*
4 of 9	13 to18	10% AEP	Design Velocity	Run Boundary Creek (14.468)
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9 of 9	37 to 42.2	PMF	Design Velocity	Dudauman Creek (37.94)
1 of 9	0 to 5	0.2EY	Afflux	Billabong Creek (0.739)
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6 of 9	22 to 27.6	0.2EY	Afflux	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.2EY	Afflux	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.2EY	Afflux	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.2EY	Afflux	Dudauman Creek (37.94)
1 of 9	0 to 5	10% AEP	Afflux	Billabong Creek (0.739)
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9 of 9	37 to 42.2	1% AEP	Afflux	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP +CC	Afflux	Billabong Creek (0.739)
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6 of 9	22 to 27.6	0.05% AEP	Afflux	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.05% AEP	Afflux	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.05% AEP	Afflux	Powder Horn (35.9) and Dudauman Creek (37.94)
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Map number in Series	Approximate Chainages (km)	Event	Map Title	Named Watercourse (chainage km)
1 of 9	0 to 5	PMF	Afflux	Billabong Creek (0.739)
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8 of 9	32.8 to 38.2	PMF	Afflux	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	PMF	Afflux	Dudauman Creek (37.94)
1 of 9	0 to 5	0.2EY	Change in Velocity	Billabong Creek (0.739)
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6 of 9	22 to 27.6	2% AEP	Change in Velocity	*unnamed tributaries*
7 of 9	27.2 to 32.2	2% AEP	Change in Velocity	*unnamed tributaries*
8 of 9	32.8 to 38.2	2% AEP	Change in Velocity	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	2% AEP	Change in Velocity	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP	Change in Velocity	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP	Change in Velocity	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP	Change in Velocity	*unnamed tributaries*
4 of 9	13 to18	1% AEP	Change in Velocity	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP	Change in Velocity	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP	Change in Velocity	*unnamed tributaries*
7 of 9	27.2 to 32.2	1% AEP	Change in Velocity	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP	Change in Velocity	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP	Change in Velocity	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP +CC	Change in Velocity	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP +CC	Change in Velocity	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP +CC	Change in Velocity	*unnamed tributaries*
4 of 9	13 to18	1% AEP +CC	Change in Velocity	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP +CC	Change in Velocity	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP +CC	Change in Velocity	*unnamed tributaries*
7of 9	27.2 to 32.2	1% AEP +CC	Change in Velocity	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP +CC	Change in Velocity	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP +CC	Change in Velocity	Dudauman Creek (37.94)
1 of 9	0 to 5	0.05% AEP	Change in Velocity	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.05% AEP	Change in Velocity	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.05% AEP	Change in Velocity	*unnamed tributaries*
4 of 9	13 to18	0.05% AEP	Change in Velocity	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.05% AEP	Change in Velocity	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.05% AEP	Change in Velocity	*unnamed tributaries*

Map number in Series	Approximate Chainages (km)	Event	Map Title	Named Watercourse (chainage km)
7 of 9	27.2 to 32.2	0.05% AEP	Change in Velocity	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.05% AEP	Change in Velocity	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.05% AEP	Change in Velocity	Dudauman Creek (37.94)
1 of 9	0 to 5	PMF	Change in Velocity	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	PMF	Change in Velocity	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	PMF	Change in Velocity	*unnamed tributaries*
4 of 9	13 to18	PMF	Change in Velocity	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	PMF	Change in Velocity	Isobel Creek (20.142)
6 of 9	22 to 27.6	PMF	Change in Velocity	*unnamed tributaries*
7 of 9	27.2 to 32.2	PMF	Change in Velocity	*unnamed tributaries*
8 of 9	32.8 to 38.2	PMF	Change in Velocity	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	PMF	Change in Velocity	Dudauman Creek (37.94)
1 of 9	0 to 5	0.2EY	Design Velocity above QDL	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.2EY	Design Velocity above QDL	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.2EY	Design Velocity above QDL	*unnamed tributaries*
4 of 9	13 to18	0.2EY	Design Velocity above QDL	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.2EY	Design Velocity above QDL	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.2EY	Design Velocity above QDL	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.2EY	Design Velocity above QDL	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.2EY	Design Velocity above QDL	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.2EY	Design Velocity above QDL	Dudauman Creek (37.94)
1 of 9	0 to 5	10% AEP	Design Velocity above QDL	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	10% AEP	Design Velocity above QDL	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	10% AEP	Design Velocity above QDL	*unnamed tributaries*
4 of 9	13 to18	10% AEP	Design Velocity above QDL	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	10% AEP	Design Velocity above QDL	Isobel Creek (20.142)
6 of 9	22 to 27.6	10% AEP	Design Velocity above QDL	*unnamed tributaries*
7 of 9	27.2 to 32.2	10% AEP	Design Velocity above QDL	*unnamed tributaries*
8 of 9	32.8 to 38.2	10% AEP	Design Velocity above QDL	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	10% AEP	Design Velocity above QDL	Dudauman Creek (37.94)
1 of 9	0 to 5	5% AEP	Design Velocity above QDL	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	5% AEP	Design Velocity above QDL	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	5% AEP	Design Velocity above QDL	*unnamed tributaries*
4 of 9	13 to18	5% AEP	Design Velocity above QDL	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	5% AEP	Design Velocity above QDL	Isobel Creek (20.142)
6 of 9	22 to 27.6	5% AEP	Design Velocity above QDL	*unnamed tributaries*
7 of 9	27.2 to 32.2	5% AEP	Design Velocity above QDL	*unnamed tributaries*
8 of 9	32.8 to 38.2	5% AEP	Design Velocity above QDL	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	5% AEP	Design Velocity above QDL	Dudauman Creek (37.94)
1 of 9	0 to 5	2% AEP	Design Velocity above QDL	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	2% AEP	Design Velocity above QDL	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	2% AEP	Design Velocity above QDL	*unnamed tributaries*
4 of 9	13 to18	2% AEP	Design Velocity above QDL	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	2% AEP	Design Velocity above QDL	Isobel Creek (20.142)
6 of 9	22 to 27.6	2% AEP	Design Velocity above QDL	*unnamed tributaries*
7 of 9	27.2 to 32.2	2% AEP	Design Velocity above QDL	*unnamed tributaries*
8 of 9	32.8 to 38.2	2% AEP	Design Velocity above QDL	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	2% AEP	Design Velocity above QDL	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP	Design Velocity above QDL	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP	Design Velocity above QDL	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP	Design Velocity above QDL	*unnamed tributaries*
4 of 9	13 to18	1% AEP	Design Velocity above QDL	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP	Design Velocity above QDL	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP	Design Velocity above QDL	*unnamed tributaries*
7 of 9	27.2 to 32.2	1% AEP	Design Velocity above QDL	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP	Design Velocity above QDL	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP	Design Velocity above QDL	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP +CC	Design Velocity above QDL	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP +CC	Design Velocity above QDL	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP +CC	Design Velocity above QDL	*unnamed tributaries*
4 of 9	13 to18	1% AEP +CC	Design Velocity above QDL	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP +CC	Design Velocity above QDL	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP +CC	Design Velocity above QDL	*unnamed tributaries*
7of 9	27.2 to 32.2	1% AEP +CC	Design Velocity above QDL	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP +CC	Design Velocity above QDL	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP +CC	Design Velocity above QDL	Dudauman Creek (37.94)
1 of 9	0 to 5	0.05% AEP	Design Velocity above QDL	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.05% AEP	Design Velocity above QDL	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.05% AEP	Design Velocity above QDL	*unnamed tributaries*

Map number in Series	Approximate Chainages (km)	Event	Map Title	Named Watercourse (chainage km)
4 of 9	13 to18	0.05% AEP	Design Velocity above QDL	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.05% AEP	Design Velocity above QDL	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.05% AEP	Design Velocity above QDL	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.05% AEP	Design Velocity above QDL	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.05% AEP	Design Velocity above QDL	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.05% AEP	Design Velocity above QDL	Dudauman Creek (37.94)
1 of 9	0 to 5	PMF	Design Velocity above QDL	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	PMF	Design Velocity above QDL	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	PMF	Design Velocity above QDL	*unnamed tributaries*
4 of 9	13 to18	PMF	Design Velocity above QDL	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	PMF	Design Velocity above QDL	Isobel Creek (20.142)
6 of 9	22 to 27.6	PMF	Design Velocity above QDL	*unnamed tributaries*
7 of 9	27.2 to 32.2	PMF	Design Velocity above QDL	*unnamed tributaries*
8 of 9	32.8 to 38.2	PMF	Design Velocity above QDL	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	PMF	Design Velocity above QDL	Dudauman Creek (37.94)
1 of 9	0 to 5	0.2EY	Change in Duration	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.2EY	Change in Duration	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.2EY	Change in Duration	*unnamed tributaries*
4 of 9	13 to18	0.2EY	Change in Duration	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.2EY	Change in Duration	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.2EY	Change in Duration	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.2EY	Change in Duration	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.2EY	Change in Duration	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.2EY	Change in Duration	Dudauman Creek (37.94)
1 of 9	0 to 5	10% AEP	Change in Duration	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	10% AEP	Change in Duration	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	10% AEP	Change in Duration	*unnamed tributaries*
4 of 9	13 to18	10% AEP	Change in Duration	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	10% AEP	Change in Duration	Isobel Creek (20.142)
6 of 9	22 to 27.6	10% AEP	Change in Duration	*unnamed tributaries*
7 of 9	27.2 to 32.2	10% AEP	Change in Duration	*unnamed tributaries*
8 of 9	32.8 to 38.2	10% AEP	Change in Duration	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	10% AEP	Change in Duration	Dudauman Creek (37.94)
1 of 9	0 to 5	5% AEP	Change in Duration	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	5% AEP	Change in Duration	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	5% AEP	Change in Duration	*unnamed tributaries*
4 of 9	13 to18	5% AEP	Change in Duration	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	5% AEP	Change in Duration	Isobel Creek (20.142)
6 of 9	22 to 27.6	5% AEP	Change in Duration	*unnamed tributaries*
7 of 9	27.2 to 32.2	5% AEP	Change in Duration	*unnamed tributaries*
8 of 9	32.8 to 38.2	5% AEP	Change in Duration	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	5% AEP	Change in Duration	Dudauman Creek (37.94)
1 of 9	0 to 5	2% AEP	Change in Duration	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	2% AEP	Change in Duration	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	2% AEP	Change in Duration	*unnamed tributaries*
4 of 9	13 to18	2% AEP	Change in Duration	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	2% AEP	Change in Duration	Isobel Creek (20.142)
6 of 9	22 to 27.6	2% AEP	Change in Duration	*unnamed tributaries*
7 of 9	27.2 to 32.2	2% AEP	Change in Duration	*unnamed tributaries*
8 of 9	32.8 to 38.2	2% AEP	Change in Duration	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	2% AEP	Change in Duration	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP	Change in Duration	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP	Change in Duration	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP	Change in Duration	*unnamed tributaries*
4 of 9	13 to18	1% AEP	Change in Duration	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP	Change in Duration	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP	Change in Duration	*unnamed tributaries*
7 of 9	27.2 to 32.2	1% AEP	Change in Duration	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP	Change in Duration	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP	Change in Duration	Dudauman Creek (37.94)
1 of 9	0 to 5	0.2EY	Change in Provisional Hazard	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.2EY	Change in Provisional Hazard	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.2EY	Change in Provisional Hazard	*unnamed tributaries*
4 of 9	13 to18	0.2EY	Change in Provisional Hazard	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.2EY	Change in Provisional Hazard	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.2EY	Change in Provisional Hazard	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.2EY	Change in Provisional Hazard	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.2EY	Change in Provisional Hazard	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.2EY	Change in Provisional Hazard	Dudauman Creek (37.94)

Map number in Series	Approximate Chainages (km)	Event	Map Title	Named Watercourse (chainage km)
1 of 9	0 to 5	10% AEP	Change in Provisional Hazard	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	10% AEP	Change in Provisional Hazard	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	10% AEP	Change in Provisional Hazard	*unnamed tributaries*
4 of 9	13 to18	10% AEP	Change in Provisional Hazard	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	10% AEP	Change in Provisional Hazard	Isobel Creek (20.142)
6 of 9	22 to 27.6	10% AEP	Change in Provisional Hazard	*unnamed tributaries*
7 of 9	27.2 to 32.2	10% AEP	Change in Provisional Hazard	*unnamed tributaries*
8 of 9	32.8 to 38.2	10% AEP	Change in Provisional Hazard	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	10% AEP	Change in Provisional Hazard	Dudauman Creek (37.94)
1 of 9	0 to 5	5% AEP	Change in Provisional Hazard	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	5% AEP	Change in Provisional Hazard	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	5% AEP	Change in Provisional Hazard	*unnamed tributaries*
4 of 9	13 to18	5% AEP	Change in Provisional Hazard	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	5% AEP	Change in Provisional Hazard	Isobel Creek (20.142)
6 of 9	22 to 27.6	5% AEP	Change in Provisional Hazard	*unnamed tributaries*
7 of 9	27.2 to 32.2	5% AEP	Change in Provisional Hazard	*unnamed tributaries*
8 of 9	32.8 to 38.2	5% AEP	Change in Provisional Hazard	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	5% AEP	Change in Provisional Hazard	Dudauman Creek (37.94)
1 of 9	0 to 5	2% AEP	Change in Provisional Hazard	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	2% AEP	Change in Provisional Hazard	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	2% AEP	Change in Provisional Hazard	*unnamed tributaries*
4 of 9	13 to18	2% AEP	Change in Provisional Hazard	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	2% AEP	Change in Provisional Hazard	Isobel Creek (20.142)
6 of 9	22 to 27.6	2% AEP	Change in Provisional Hazard	*unnamed tributaries*
7 of 9	27.2 to 32.2	2% AEP	Change in Provisional Hazard	*unnamed tributaries*
8 of 9	32.8 to 38.2	2% AEP	Change in Provisional Hazard	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	2% AEP	Change in Provisional Hazard	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP	Change in Provisional Hazard	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP	Change in Provisional Hazard	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP	Change in Provisional Hazard	*unnamed tributaries*
4 of 9	13 to18	1% AEP	Change in Provisional Hazard	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP	Change in Provisional Hazard	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP	Change in Provisional Hazard	*unnamed tributaries*
7 of 9	27.2 to 32.2	1% AEP	Change in Provisional Hazard	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP	Change in Provisional Hazard	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP	Change in Provisional Hazard	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP +CC	Change in Provisional Hazard	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP +CC	Change in Provisional Hazard	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP +CC	Change in Provisional Hazard	*unnamed tributaries*
4 of 9	13 to18	1% AEP +CC	Change in Provisional Hazard	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP +CC	Change in Provisional Hazard	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP +CC	Change in Provisional Hazard	*unnamed tributaries*
7of 9	27.2 to 32.2	1% AEP +CC	Change in Provisional Hazard	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP +CC	Change in Provisional Hazard	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP +CC	Change in Provisional Hazard	Dudauman Creek (37.94)
1 of 9	0 to 5	0.05% AEP	Change in Provisional Hazard	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	0.05% AEP	Change in Provisional Hazard	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	0.05% AEP	Change in Provisional Hazard	*unnamed tributaries*
4 of 9	13 to18	0.05% AEP	Change in Provisional Hazard	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	0.05% AEP	Change in Provisional Hazard	Isobel Creek (20.142)
6 of 9	22 to 27.6	0.05% AEP	Change in Provisional Hazard	*unnamed tributaries*
7 of 9	27.2 to 32.2	0.05% AEP	Change in Provisional Hazard	*unnamed tributaries*
8 of 9	32.8 to 38.2	0.05% AEP	Change in Provisional Hazard	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	0.05% AEP	Change in Provisional Hazard	Dudauman Creek (37.94)
1 of 9	0 to 5	PMF	Change in Provisional Hazard	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	PMF	Change in Provisional Hazard	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	PMF	Change in Provisional Hazard	*unnamed tributaries*
4 of 9	13 to18	PMF	Change in Provisional Hazard	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	PMF	Change in Provisional Hazard	Isobel Creek (20.142)
6 of 9	22 to 27.6	PMF	Change in Provisional Hazard	*unnamed tributaries*
7 of 9	27.2 to 32.2	PMF	Change in Provisional Hazard	*unnamed tributaries*
8 of 9	32.8 to 38.2	PMF	Change in Provisional Hazard	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	PMF	Change in Provisional Hazard	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP	Afflux no culvert blockage	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP	Afflux no culvert blockage	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP	Afflux no culvert blockage	*unnamed tributaries*
4 of 9	13 to18	1% AEP	Afflux no culvert blockage	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP	Afflux no culvert blockage	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP	Afflux no culvert blockage	*unnamed tributaries*

Map number in Series	Approximate Chainages (km)	Event	Map Title	Named Watercourse (chainage km)
7 of 9	27.2 to 32.2	1% AEP	Afflux no culvert blockage	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP	Afflux no culvert blockage	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP	Afflux no culvert blockage	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP	Afflux minimum 25% culvert blockage	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP	Afflux minimum 25% culvert blockage	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP	Afflux minimum 25% culvert blockage	*unnamed tributaries*
4 of 9	13 to18	1% AEP	Afflux minimum 25% culvert blockage	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP	Afflux minimum 25% culvert blockage	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP	Afflux minimum 25% culvert blockage	*unnamed tributaries*
7 of 9	27.2 to 32.2	1% AEP	Afflux minimum 25% culvert blockage	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP	Afflux minimum 25% culvert blockage	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP	Afflux minimum 25% culvert blockage	Dudauman Creek (37.94)
1 of 9	0 to 5	1% AEP	Afflux 50% culvert blockage	Billabong Creek (0.739)
2 of 9	4.8 to 9.4	1% AEP	Afflux 50% culvert blockage	Ulandra Creek (7.9)
3 of 9	8.4 to 13.4	1% AEP	Afflux 50% culvert blockage	*unnamed tributaries*
4 of 9	13 to18	1% AEP	Afflux 50% culvert blockage	Run Boundary Creek (14.468)
5 of 9	17 to 22.2	1% AEP	Afflux 50% culvert blockage	Isobel Creek (20.142)
6 of 9	22 to 27.6	1% AEP	Afflux 50% culvert blockage	*unnamed tributaries*
7 of 9	27.2 to 32.2	1% AEP	Afflux 50% culvert blockage	*unnamed tributaries*
8 of 9	32.8 to 38.2	1% AEP	Afflux 50% culvert blockage	Powder Horn (35.9) and Dudauman Creek (37.94)
9 of 9	37 to 42.2	1% AEP	Afflux 50% culvert blockage	Dudauman Creek (37.94)

OLD SYDNEY ROAD

MAIN SOUTHERN RAILWAY

OLYMPIC HIGHWAY

BILLABONG CREEK

WALERIDGE LANE

WARRENS LANE

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ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

Map 1 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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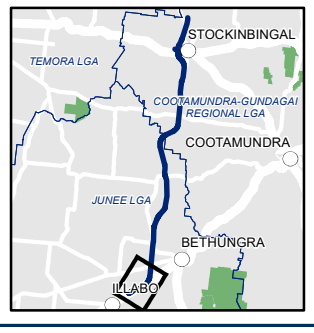
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road

Design Flood Level Contour (mAHD)

Design Flood Depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0



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EULOMO SETTLEMENT ROAD

ULANDRA CREEK

IRONBONG ROAD

OLD SYDNEY ROAD

Design Flood Level Contour (mAHD)

Design Flood Depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

0 200 400 Metres

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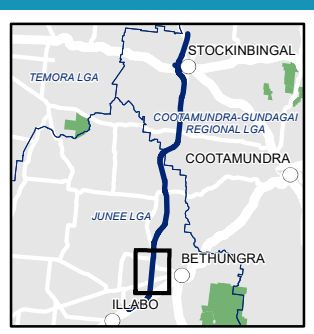

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IRONBONG CREEK
IRONBONG ROAD
RUNABOUNDARY CREEK
EULOMO SETTLEMENT ROAD
CREEK
13600
13400
13200
13000
12800
12600
12400
12200
12000
11800
11600
11400
11200
11000
10800
Crossing loops and maintenance siding
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400

Design Flood Level Contour (mAHD)

Design Flood Depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

0 200 400 Metres

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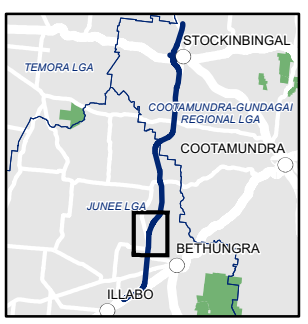

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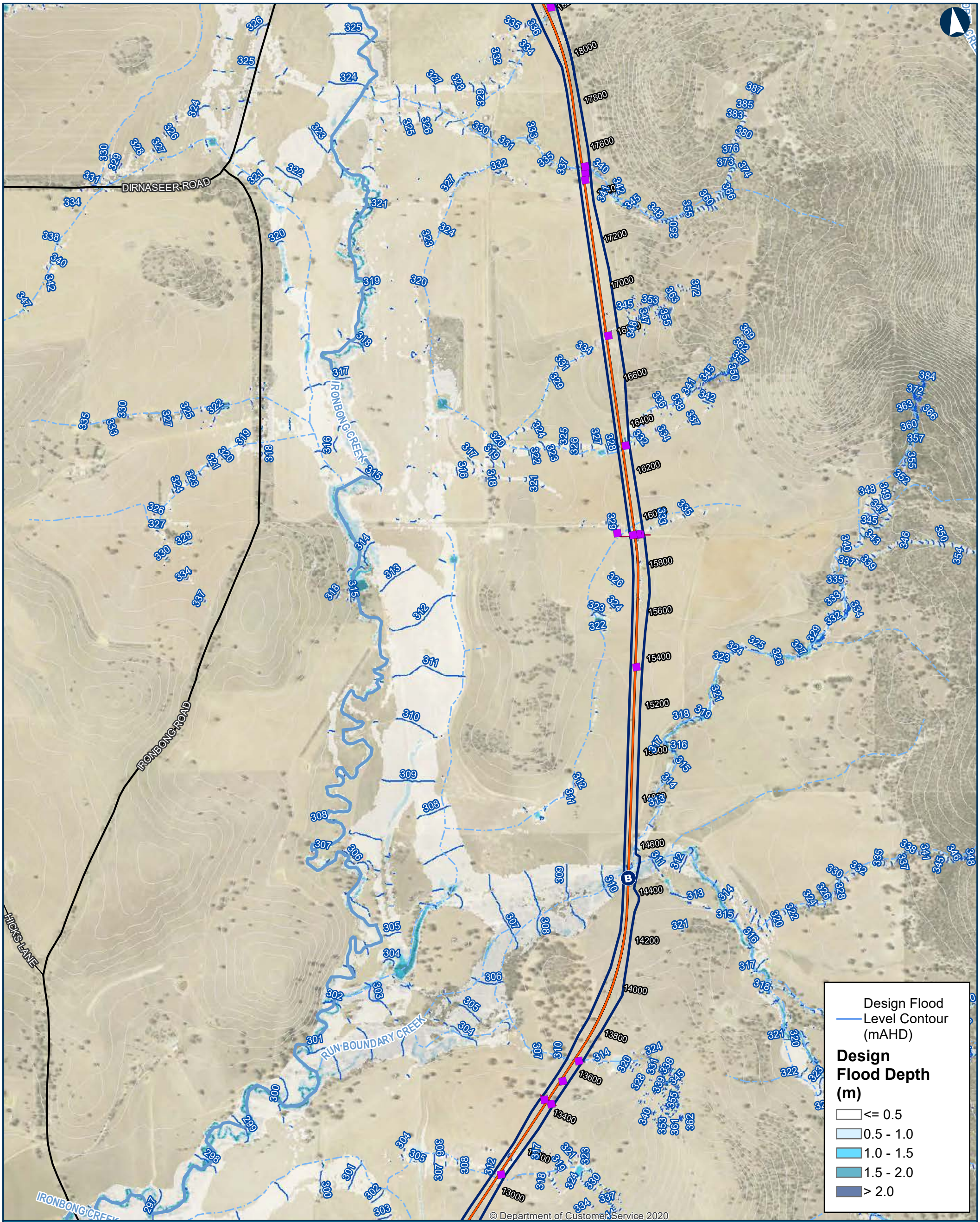

ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

Map 4 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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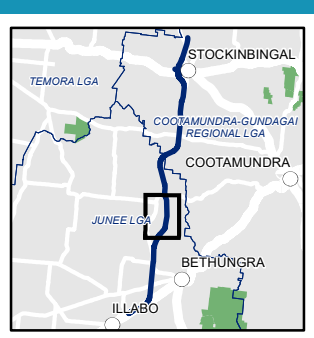

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DUBAUM ANROAD
IRONBONG CREEK
DIRNASEER ROAD
IRONBONG ROAD
ISOBEL CREEK
B

Design Flood Level Contour (mAHD)

Design Flood Depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

0 200 400 Metres

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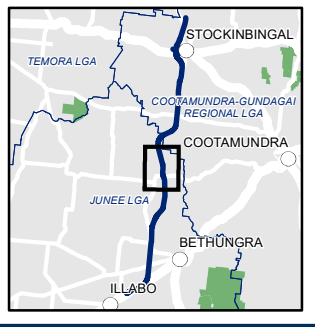

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OLD COOTAMUNDRA ROAD

POWDER HORN CREEK

Wattle Creek

IRONBONG CREEK

Design Flood Level Contour (mAHD)

Design Flood Depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

0 200 400 Metres

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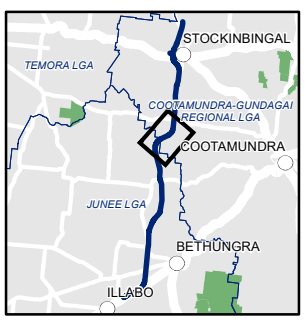

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POWDER HORN CREEK

OLD COOTAMUNDRA-ROAD

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Design Flood Level Contour (mAHD)

Design Flood Depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

0 200 400 Metres

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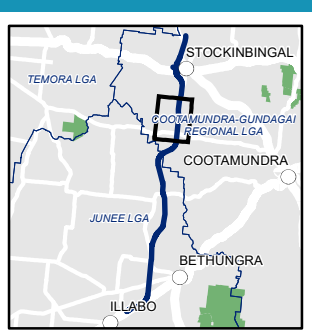

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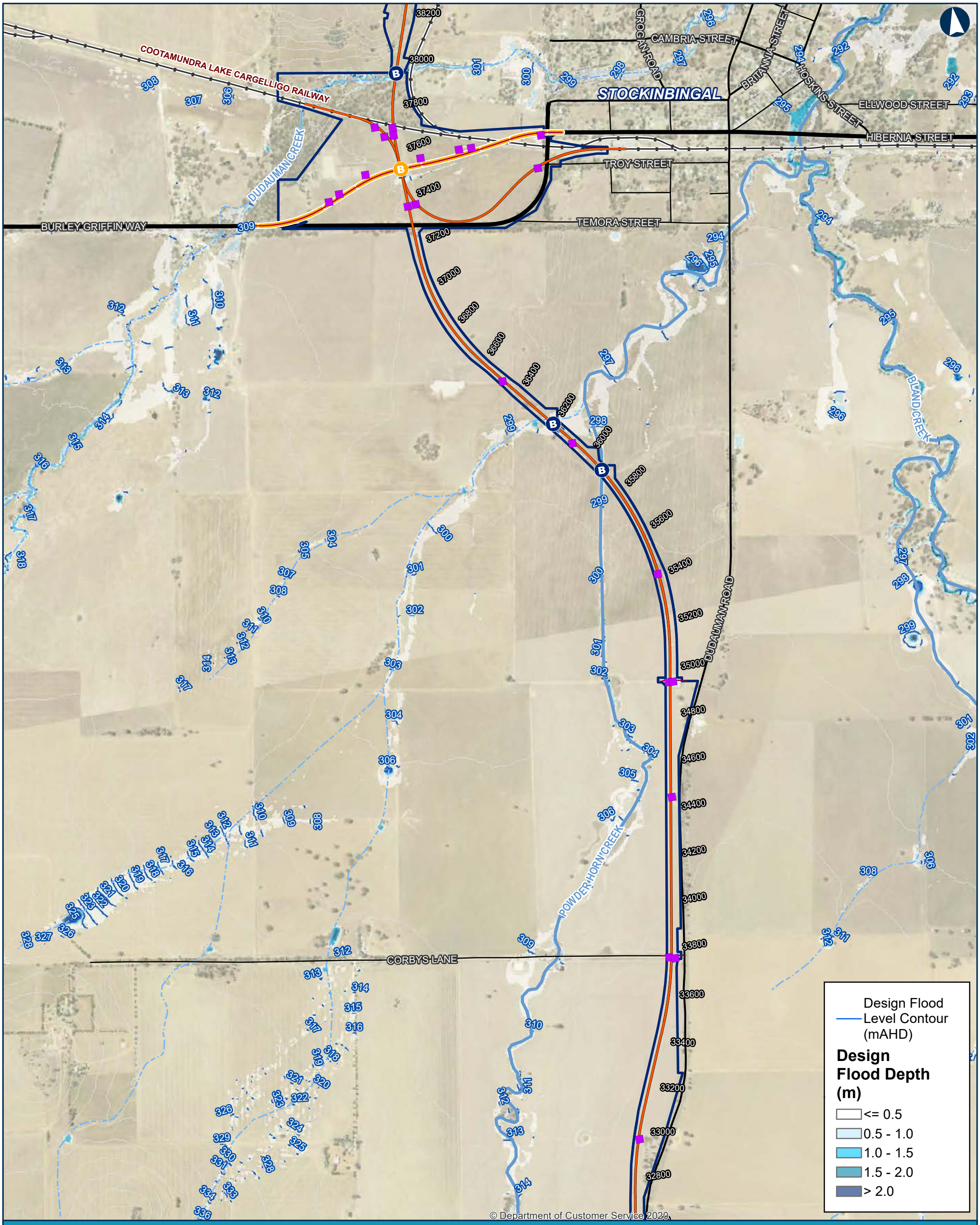

ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

Map 8 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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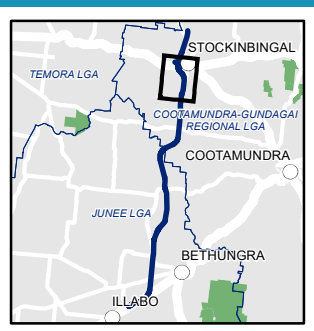

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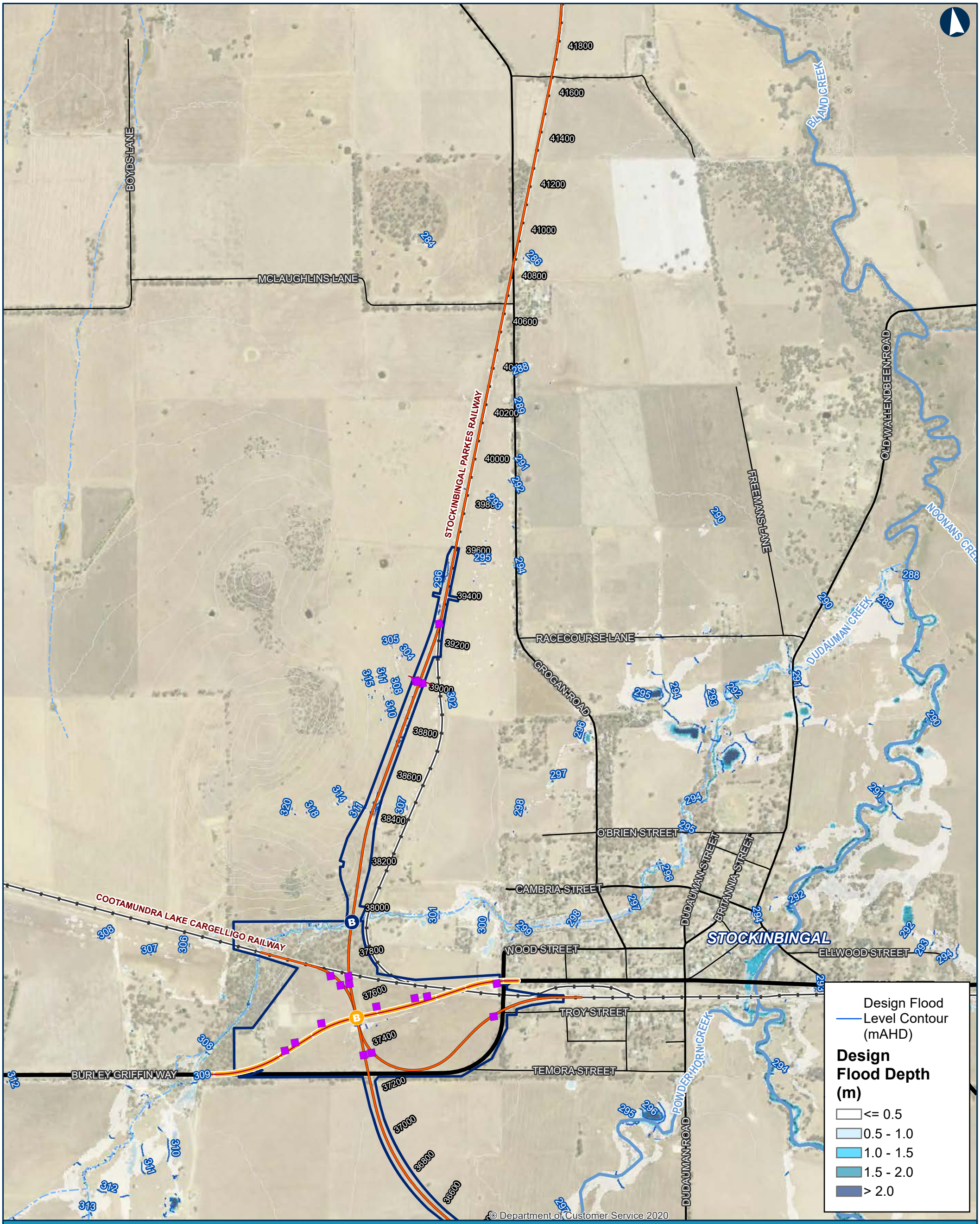

ILLABO TO STOCKINBINGAL 0.2EY Design Flood Depths and Levels

Map 9 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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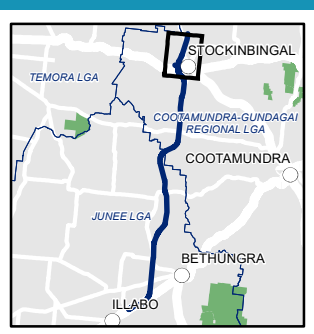

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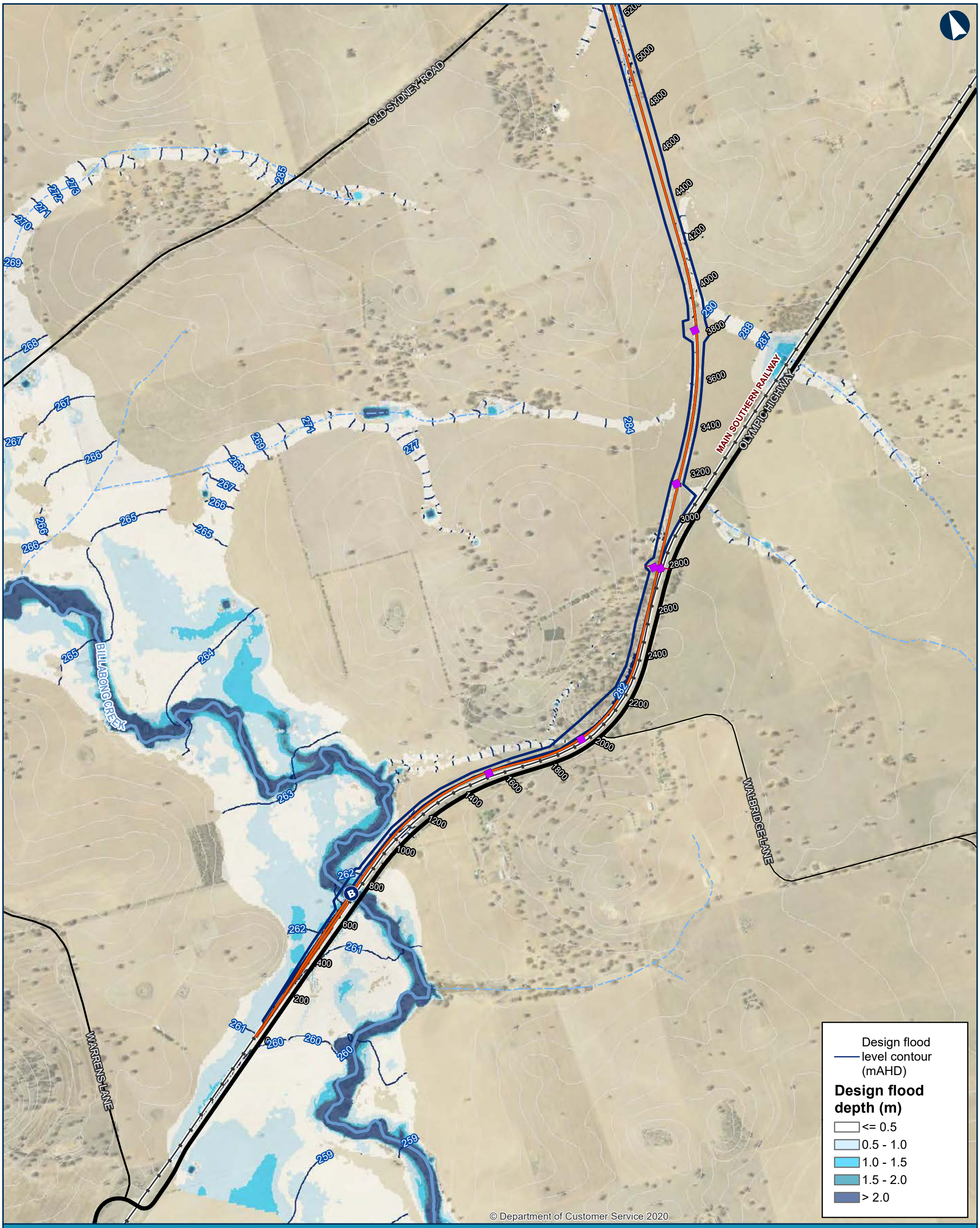

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ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

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
- 40950 Chainage (distance in metres from southern limit of the proposal)
- New track/track upgrade
- B Overbridge
- B Underbridge
- Culvert
- 5m Contours
- Existing Rail
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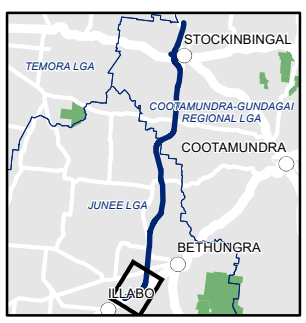

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EULOMO SETTLEMENT ROAD

ULANDRA CREEK

IRONBONG ROAD

OLD SYDNEY ROAD

9400 9200 9000 8800 8600 8400 8200 8000 7800 7600 7400 7200 7000 6800 6600 6400 6200 6000 5800 5600 5400 5200 5000 4800 4600 4400

B

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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

Map 2 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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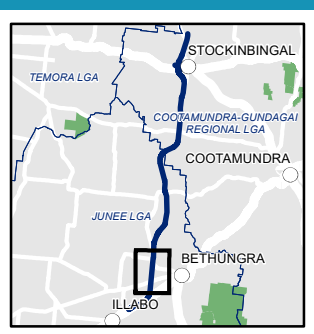

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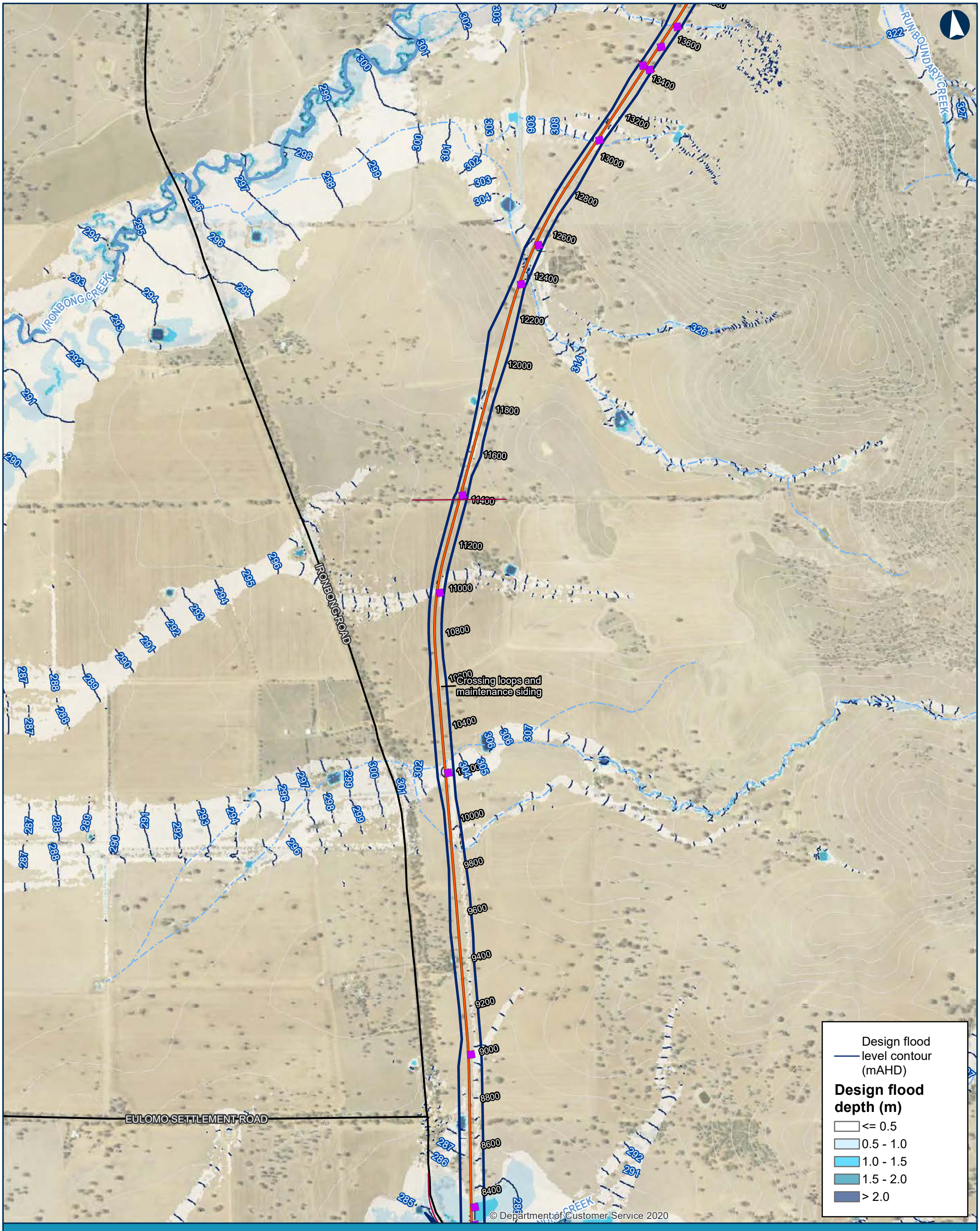

ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

Map 3 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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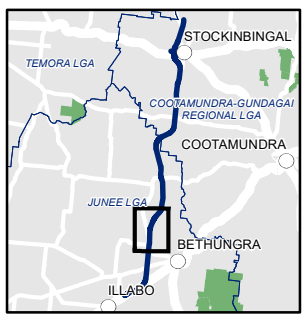

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DIRNASEER ROAD
IRONBONG ROAD
HICKS LANE
IRONBONG CREEK
RUNIBOUNDARY CREEK
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Design flood level contour (mAHD)

Design flood depth (m)

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ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

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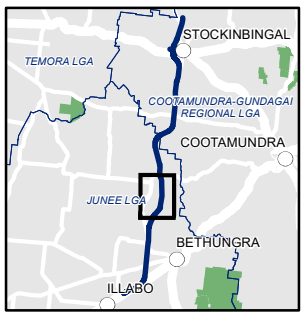

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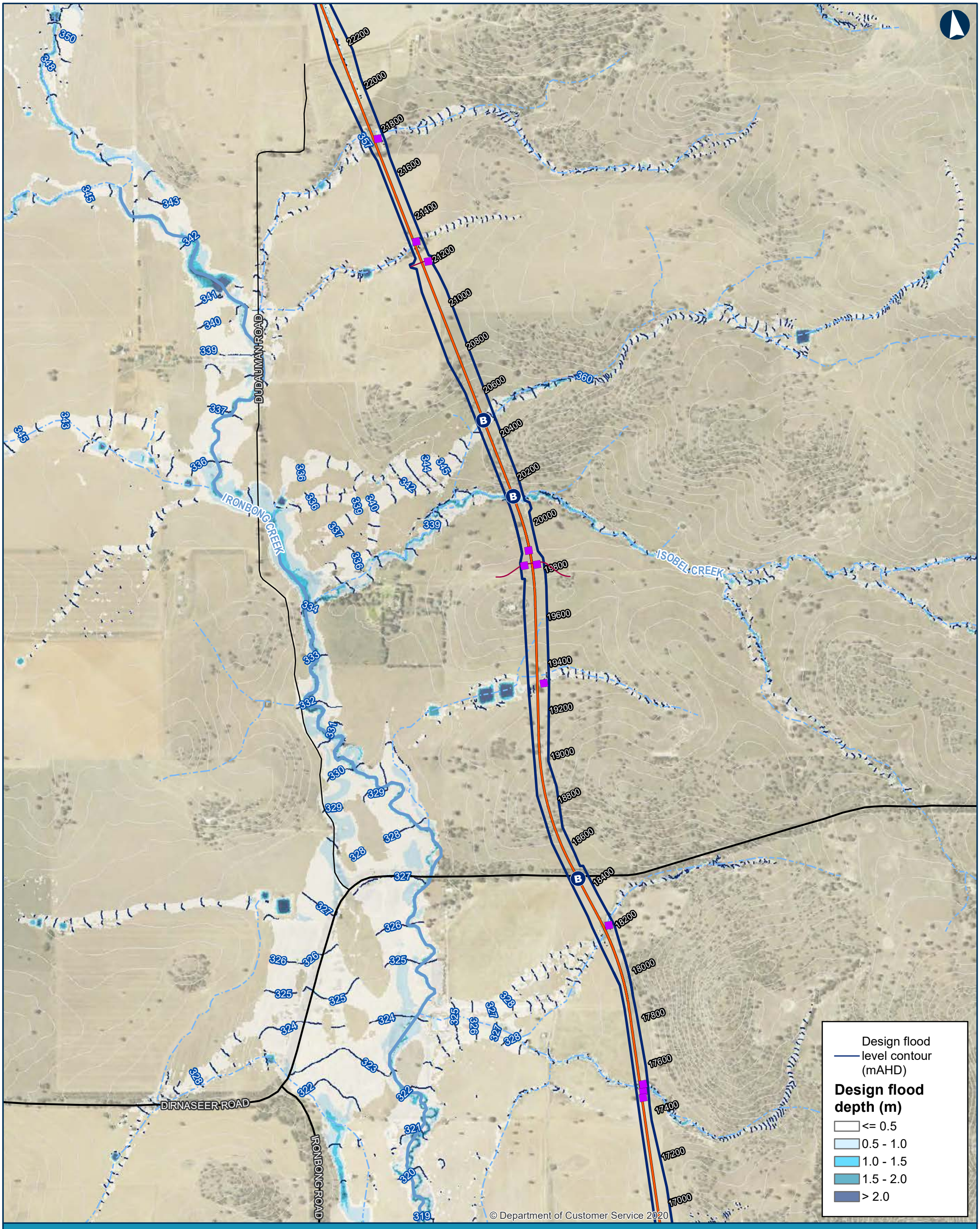

ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

Map 5 of 9

0 200 400 Metres

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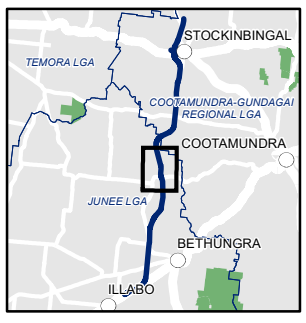

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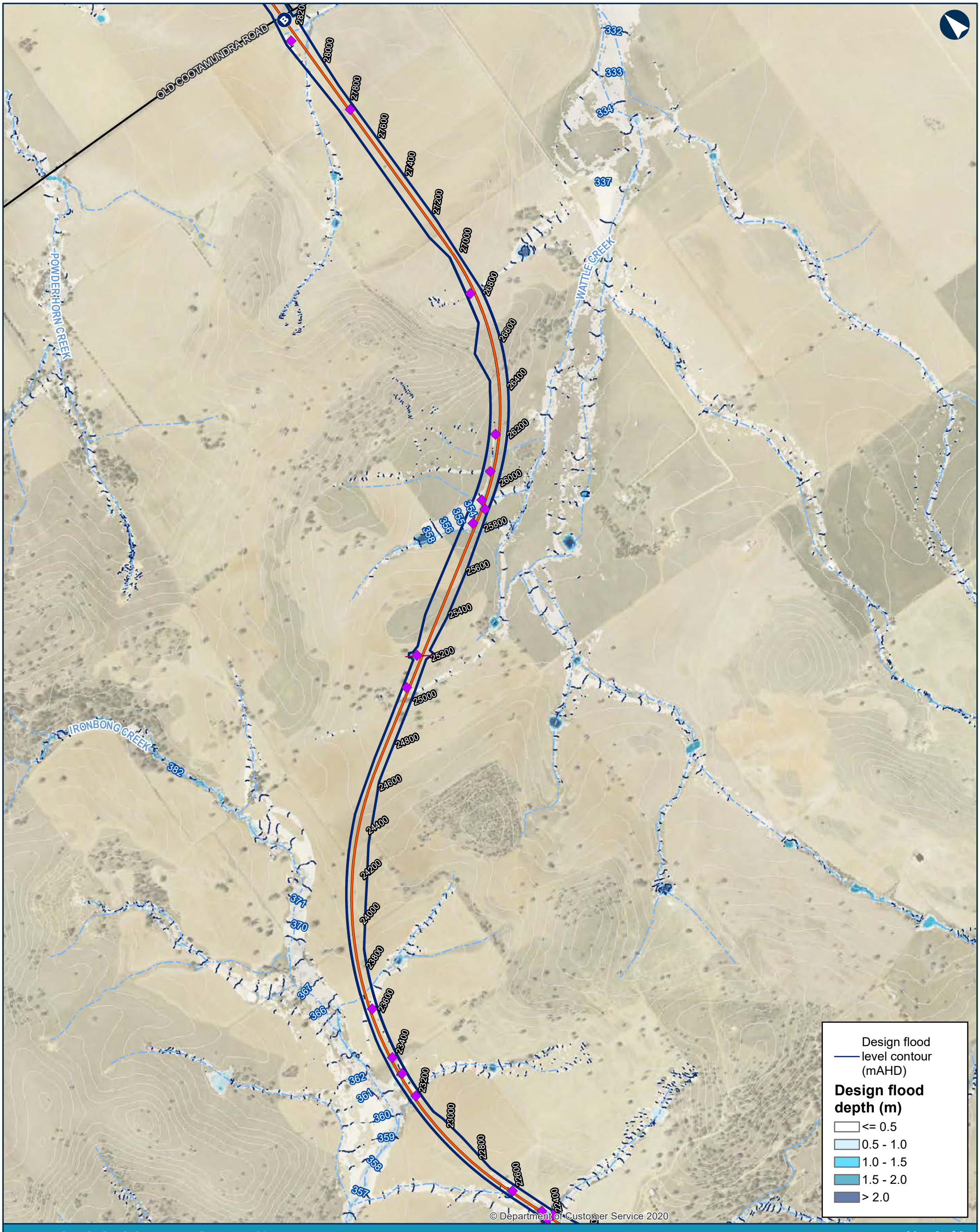

ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

Map 6 of 9

0 200 400 Metres

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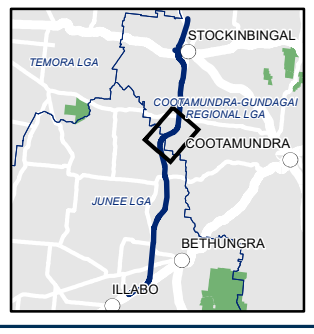

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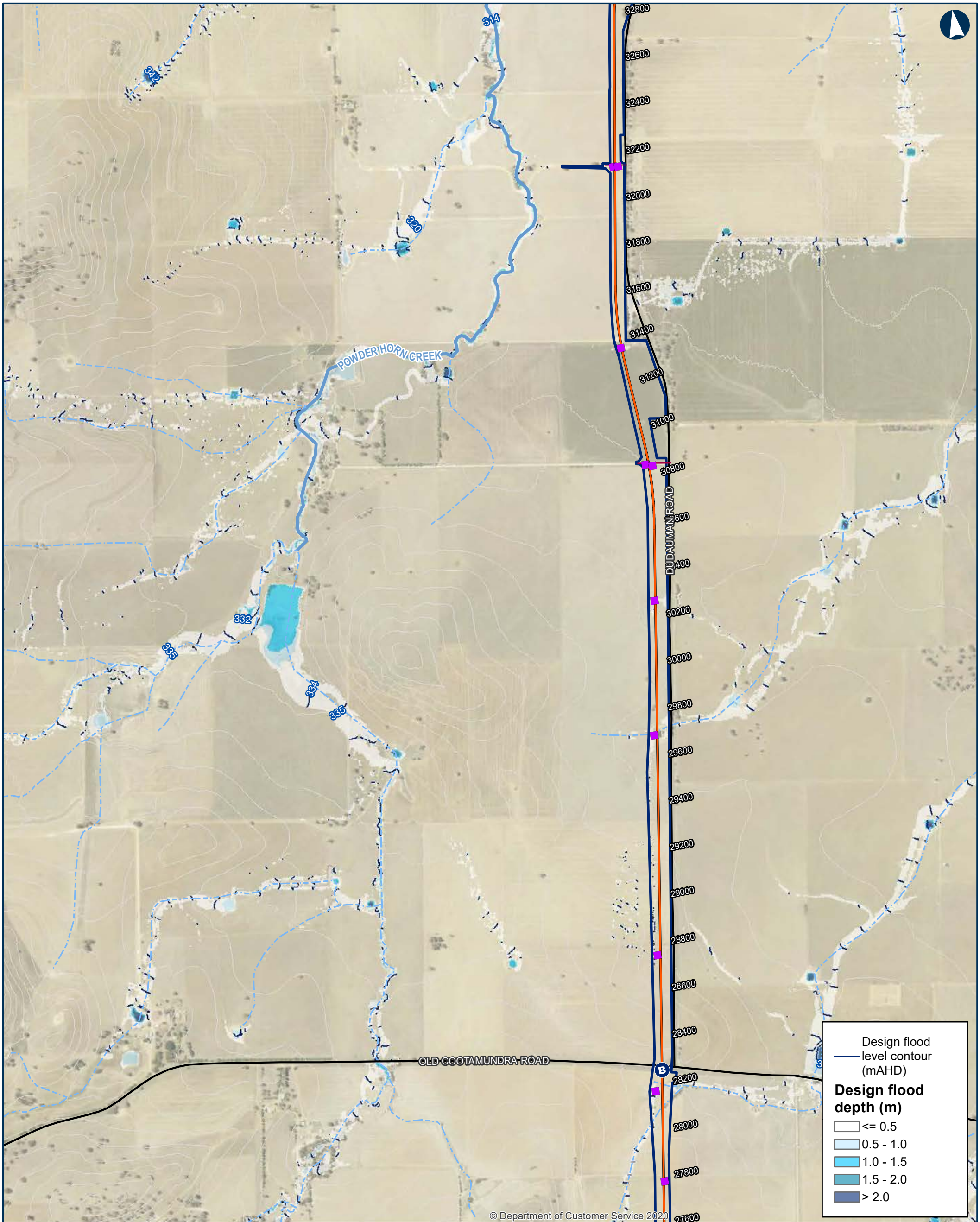

ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

Map 7 of 9

0 200 400 Metres

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- B Underbridge
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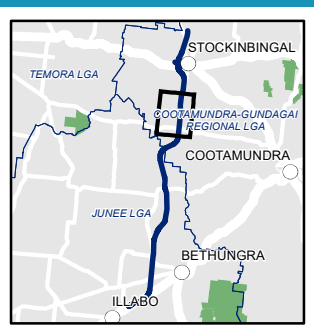

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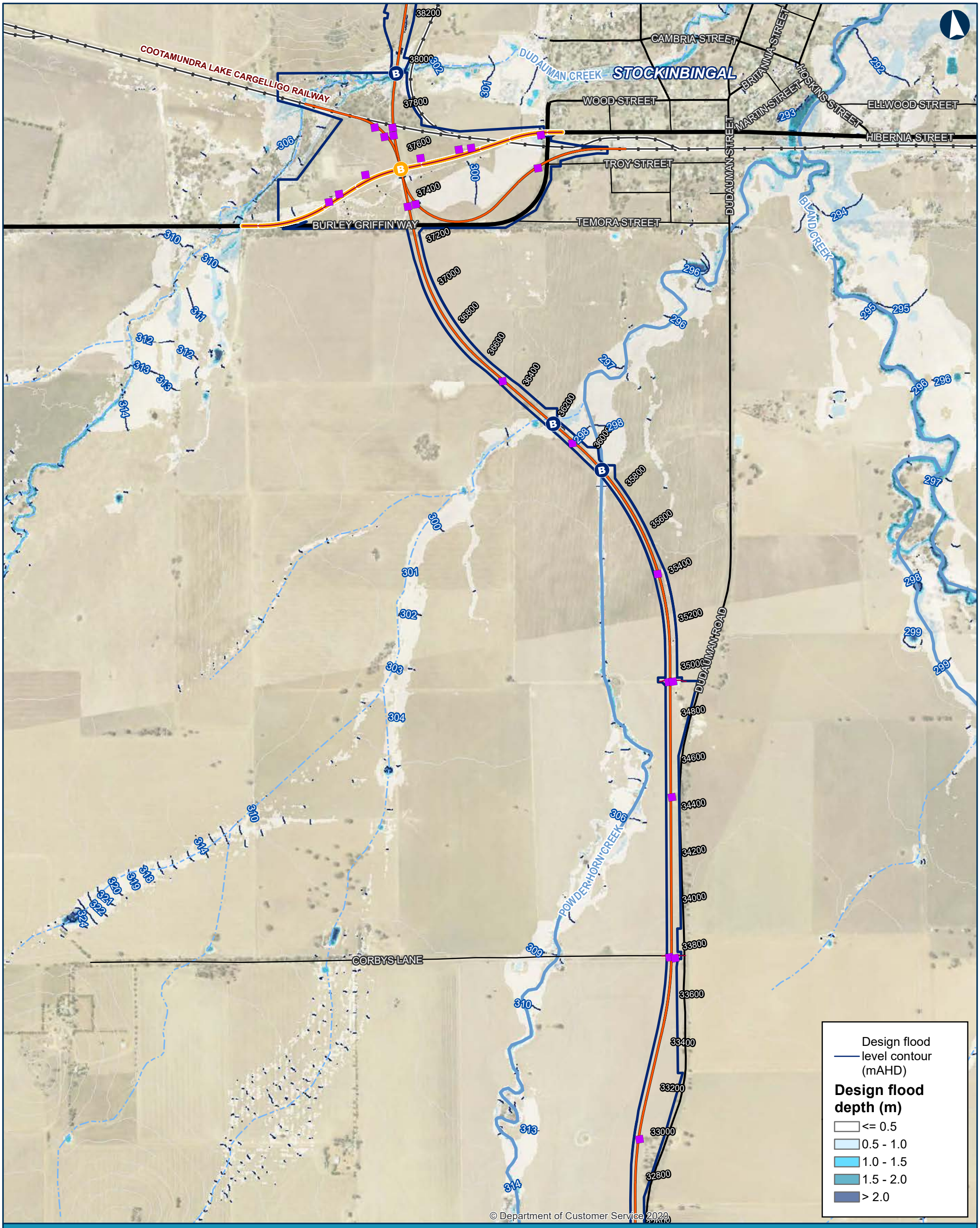

ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

Map 8 of 9

0 200 400 Metres

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- Underbridge
- Culvert
- 5m Contours
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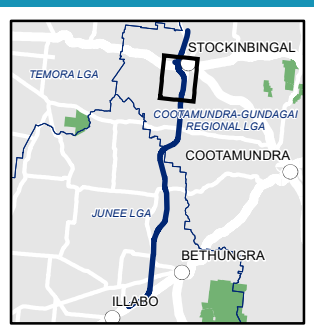

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ILLABO TO STOCKINBINGAL 10% AEP Design Flood Depths and Levels

Map 9 of 9

0 200 400 Metres

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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
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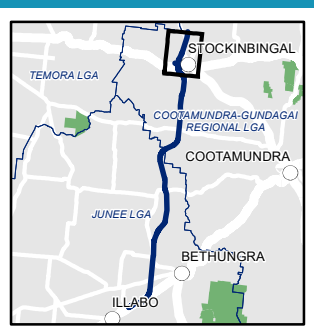

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ILLABO TO STOCKINBINGAL 5% AEP Design Flood Depths and Levels

Map 1 of 9

OLD SYDNEY ROAD
MAIN SOUTHERN RAILWAY
OLYMPIC HIGHWAY
BILLABONG CREEK
WALBRIDGE LANE
WARRENS LANE

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
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0 200 400 Metres

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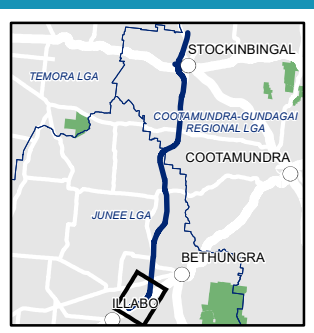

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EULOMO SETTLEMENT ROAD

IRONBONG ROAD

OLD SYDNEY ROAD

ULANDRA CREEK

9400 9200 9000 8800 8600 8400 8200 8000 7800 7600 7400 7200 7000 6800 6600 6400 6200 6000 5800 5600 5400 5200 5000 4800 4600 4400

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ILLABO TO STOCKINBINGAL 5% AEP Design Flood Depths and Levels

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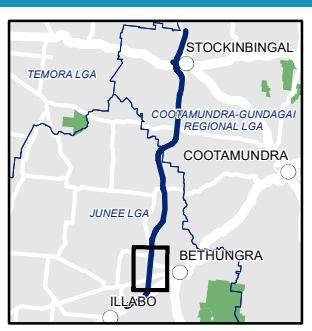

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ILLABO TO STOCKINBINGAL 5% AEP Design Flood Depths and Levels

Map 3 of 9

IRONBONG CREEK
IRONBONG ROAD
RUNBOUNDARY CREEK
EULOMO SETTLEMENT ROAD
Crossing loops and maintenance siding
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Design flood level contour (mAHD)

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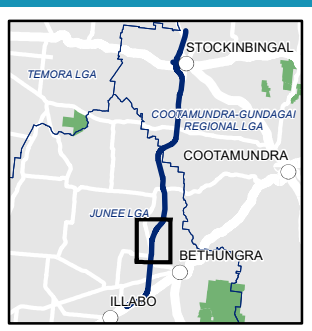

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DIRNASEER ROAD
IRONBONG ROAD
HICKS LANE
IRONBONG CREEK
RUN BOUNDARY CREEK

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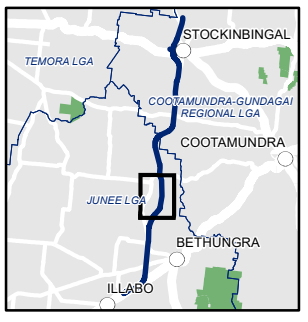

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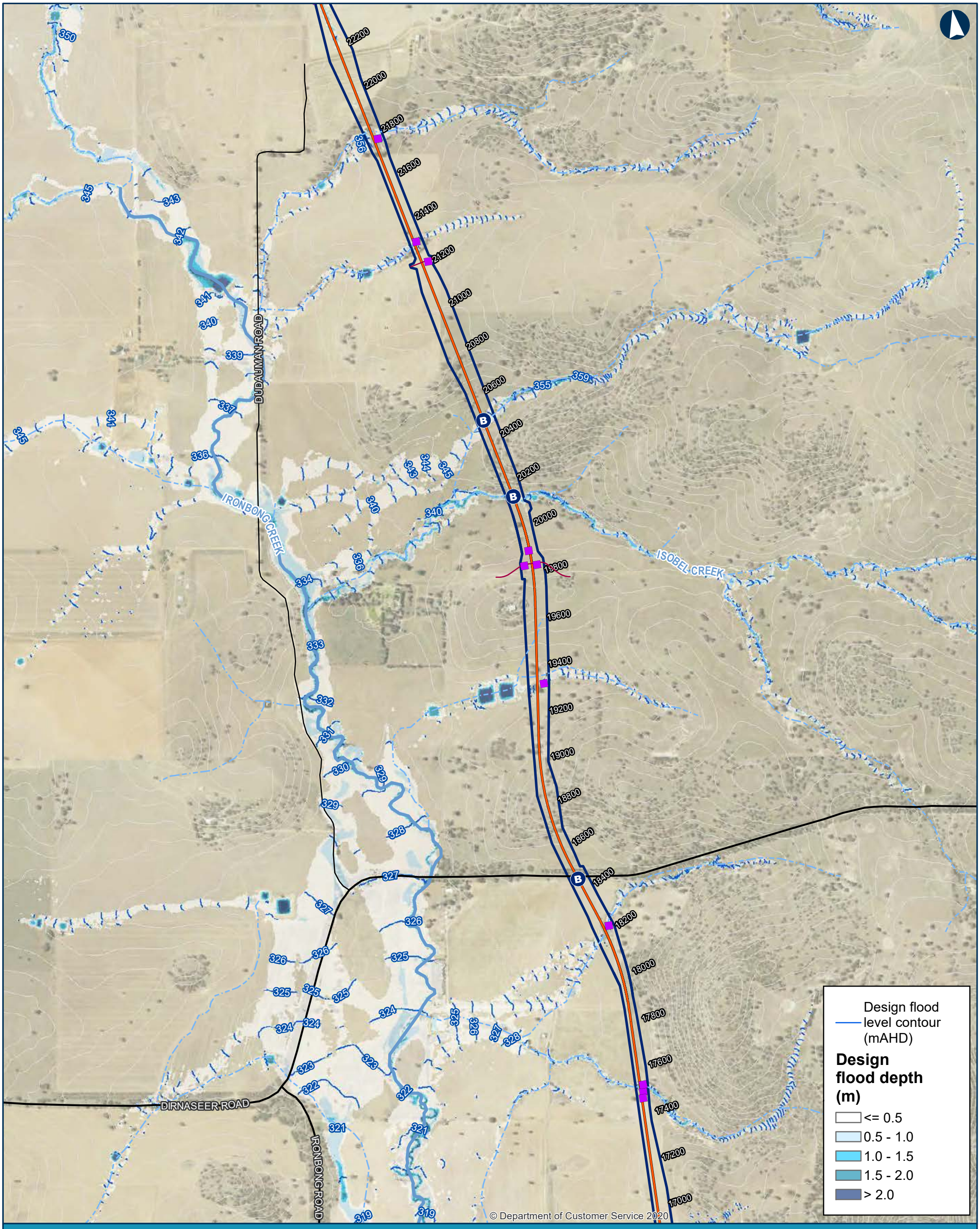

ILLABO TO STOCKINBINGAL 5% AEP Design Flood Depths and Levels

Map 5 of 9

0 200 400 Metres

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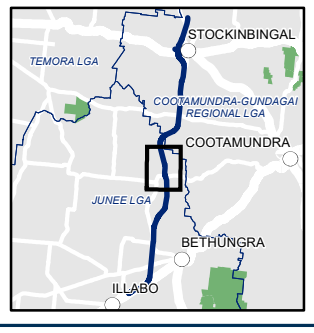

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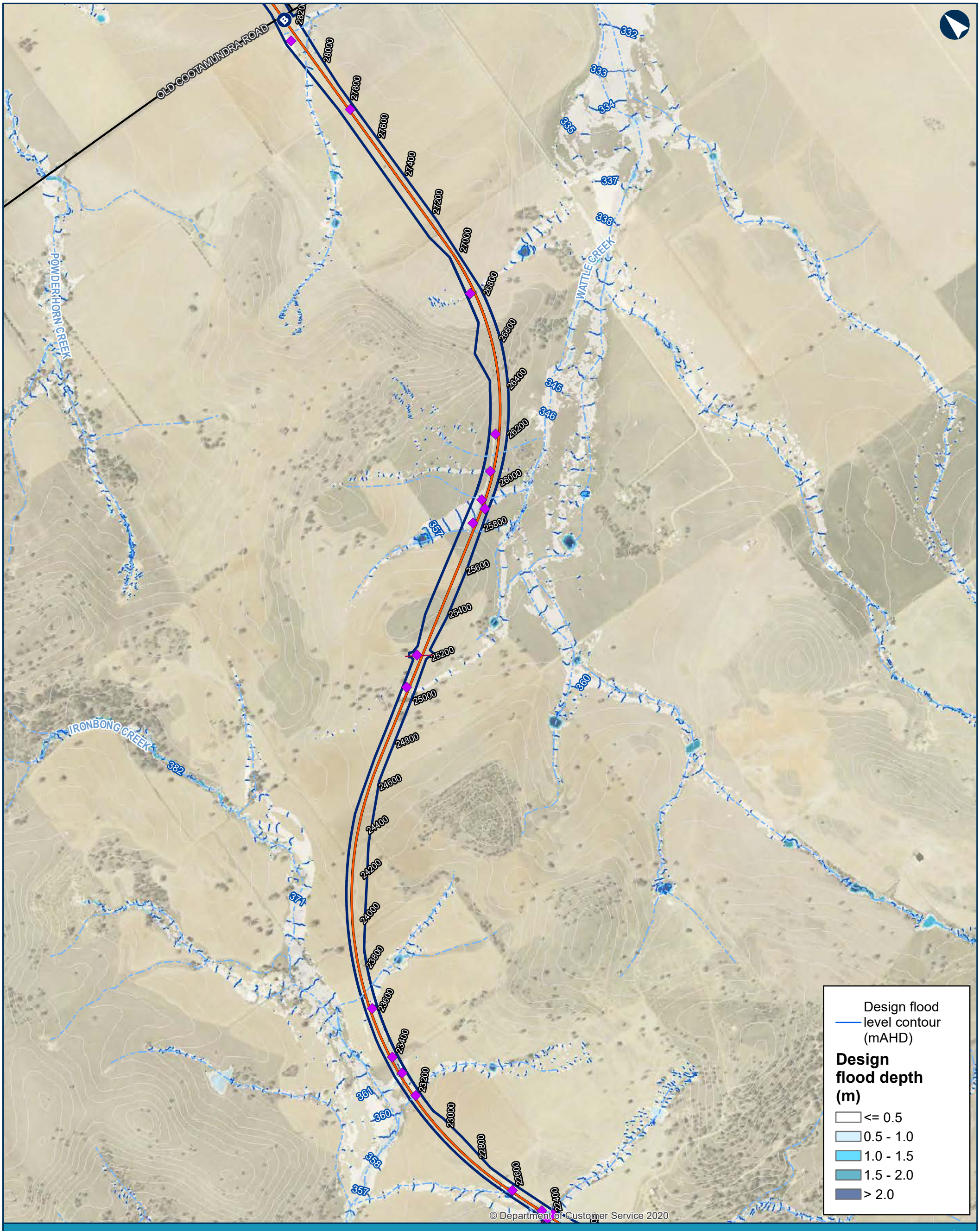

ILLABO TO STOCKINBINGAL 5% AEP Design Flood Depths and Levels

Map 6 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: IRDJV, ARTC, LPI

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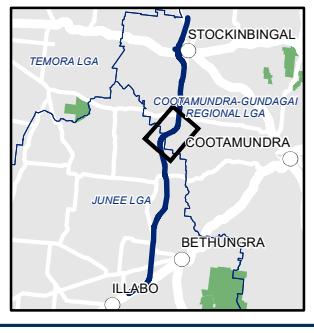

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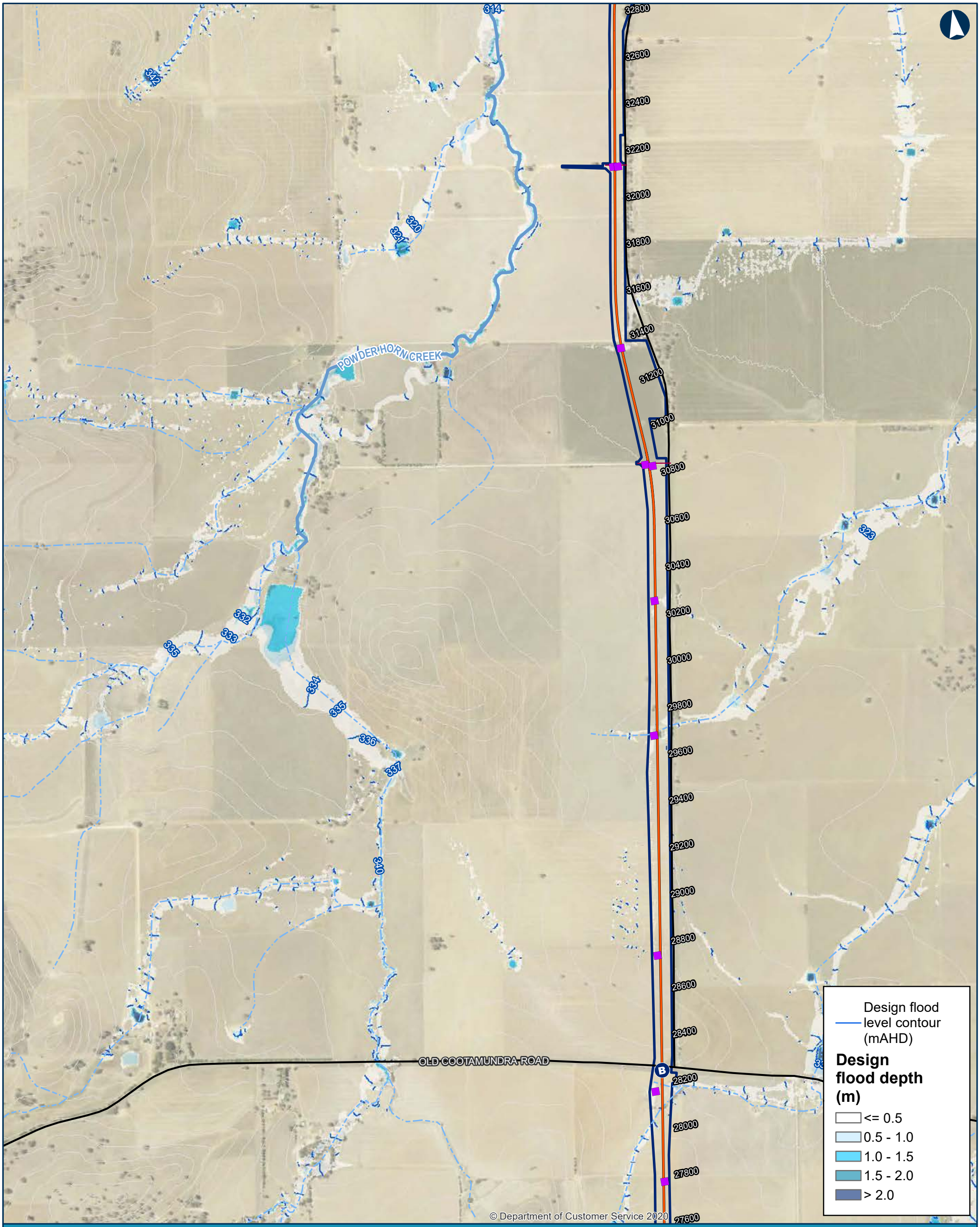

ILLABO TO STOCKINBINGAL 5% AEP Design Flood Depths and Levels

Map 7 of 9

0 200 400 Metres

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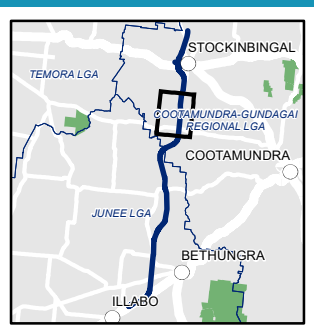

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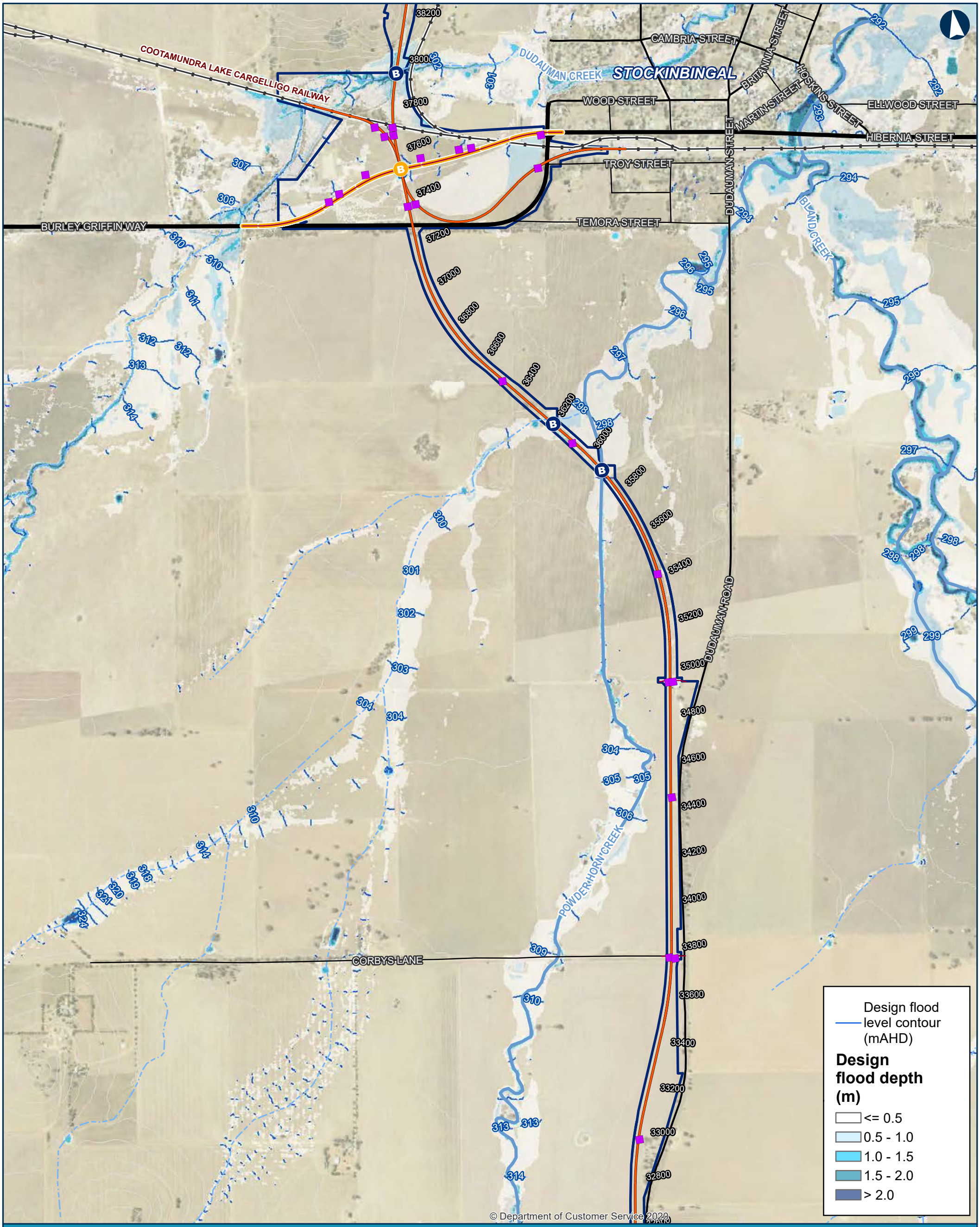

ILLABO TO STOCKINBINGAL 5% AEP Design Flood Depths and Levels

0 200 400 Metres

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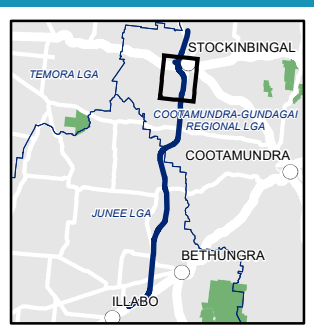

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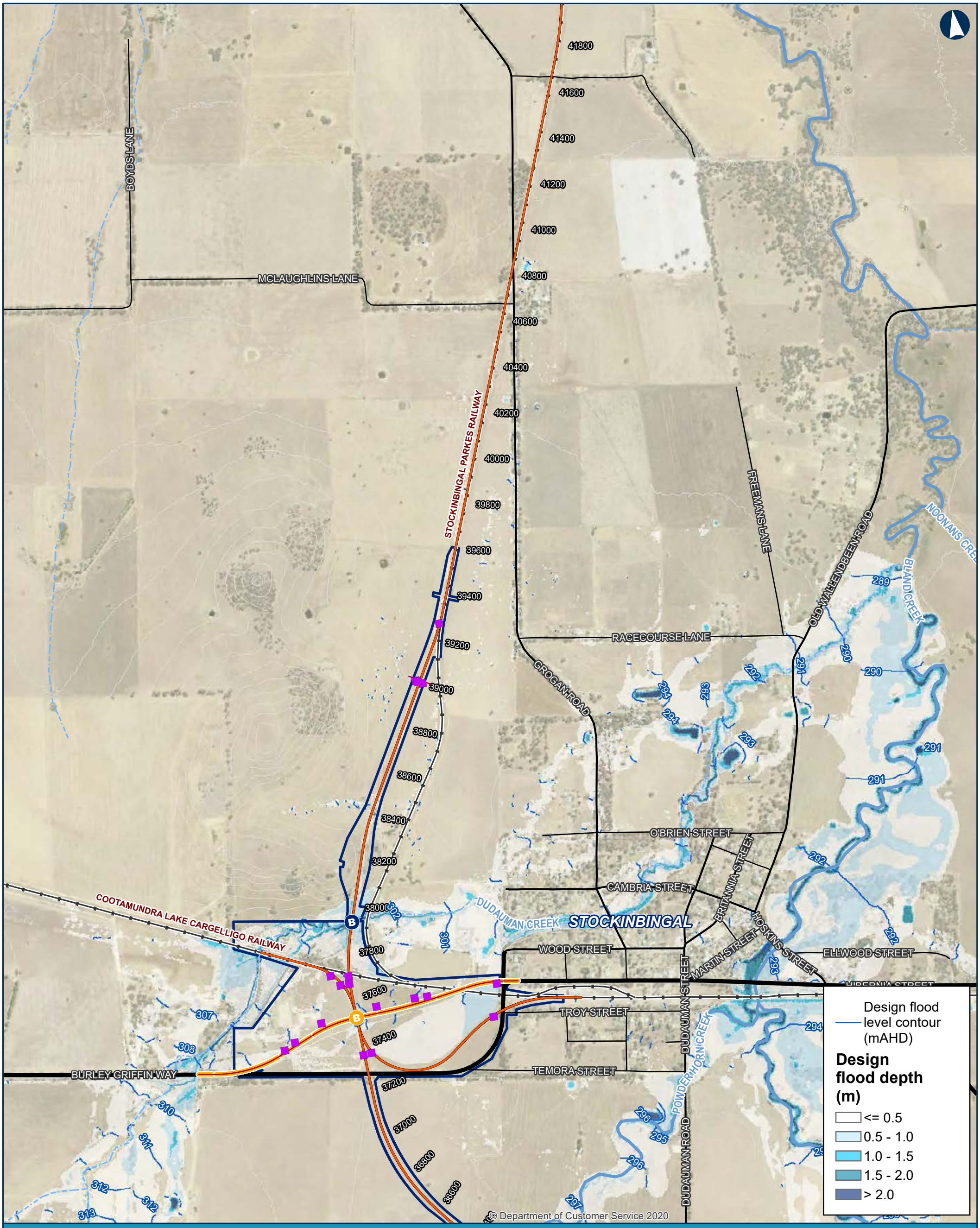

ILLABO TO STOCKINBINGAL 5% AEP Design Flood Depths and Levels

Map 9 of 9

0 200 400 Metres

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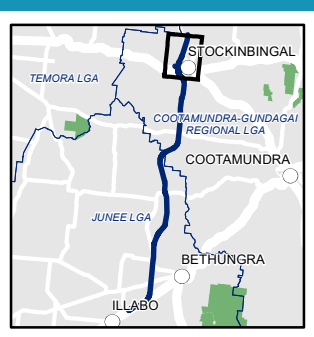

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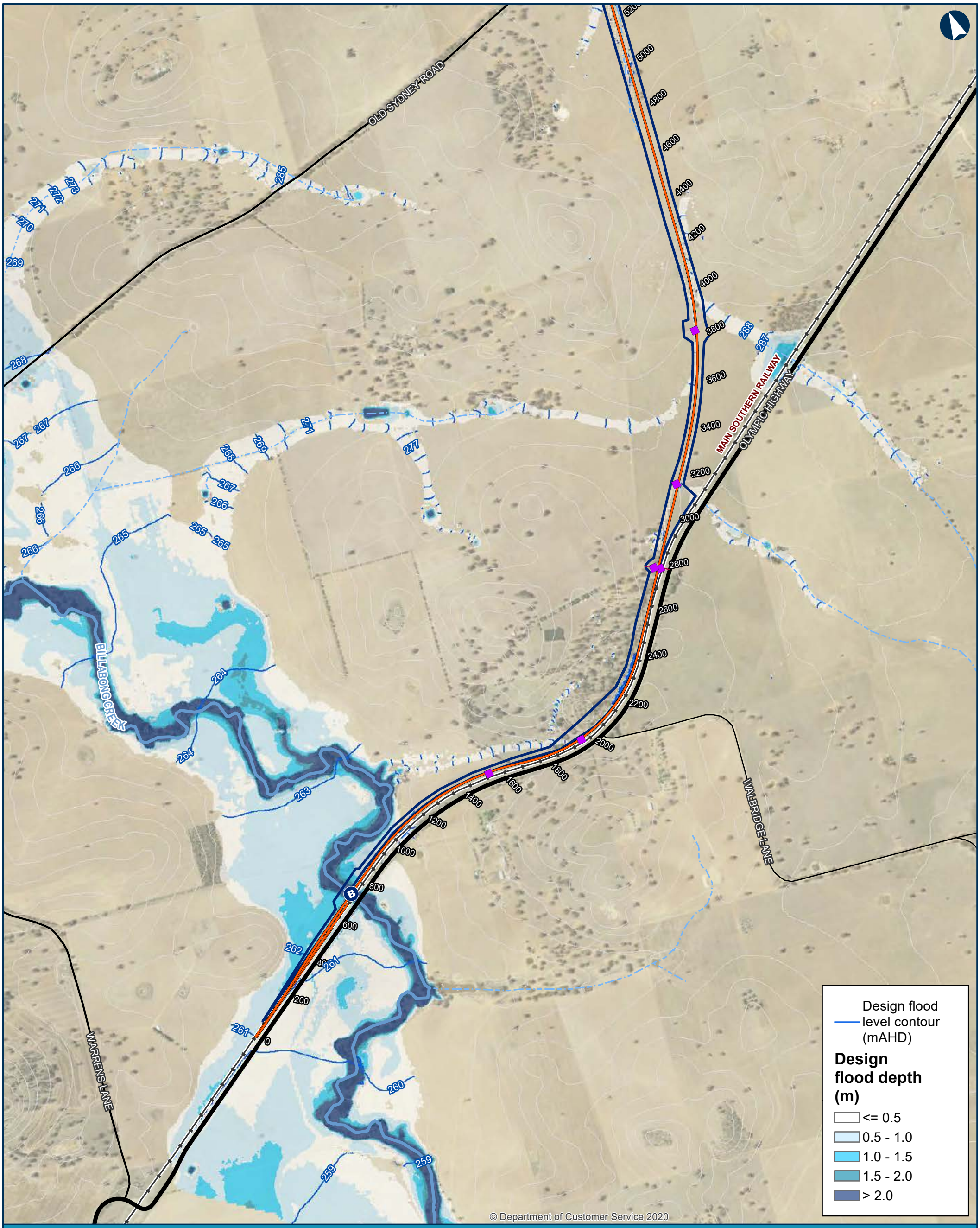
ILLABO TO STOCKINBINGAL 2% AEP Design Flood Depths and Levels

Map 1 of 9



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0 200 400 Metres

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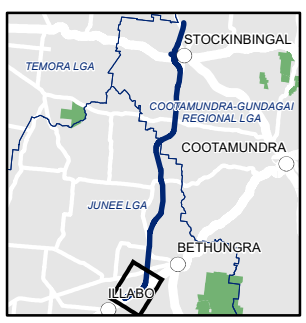

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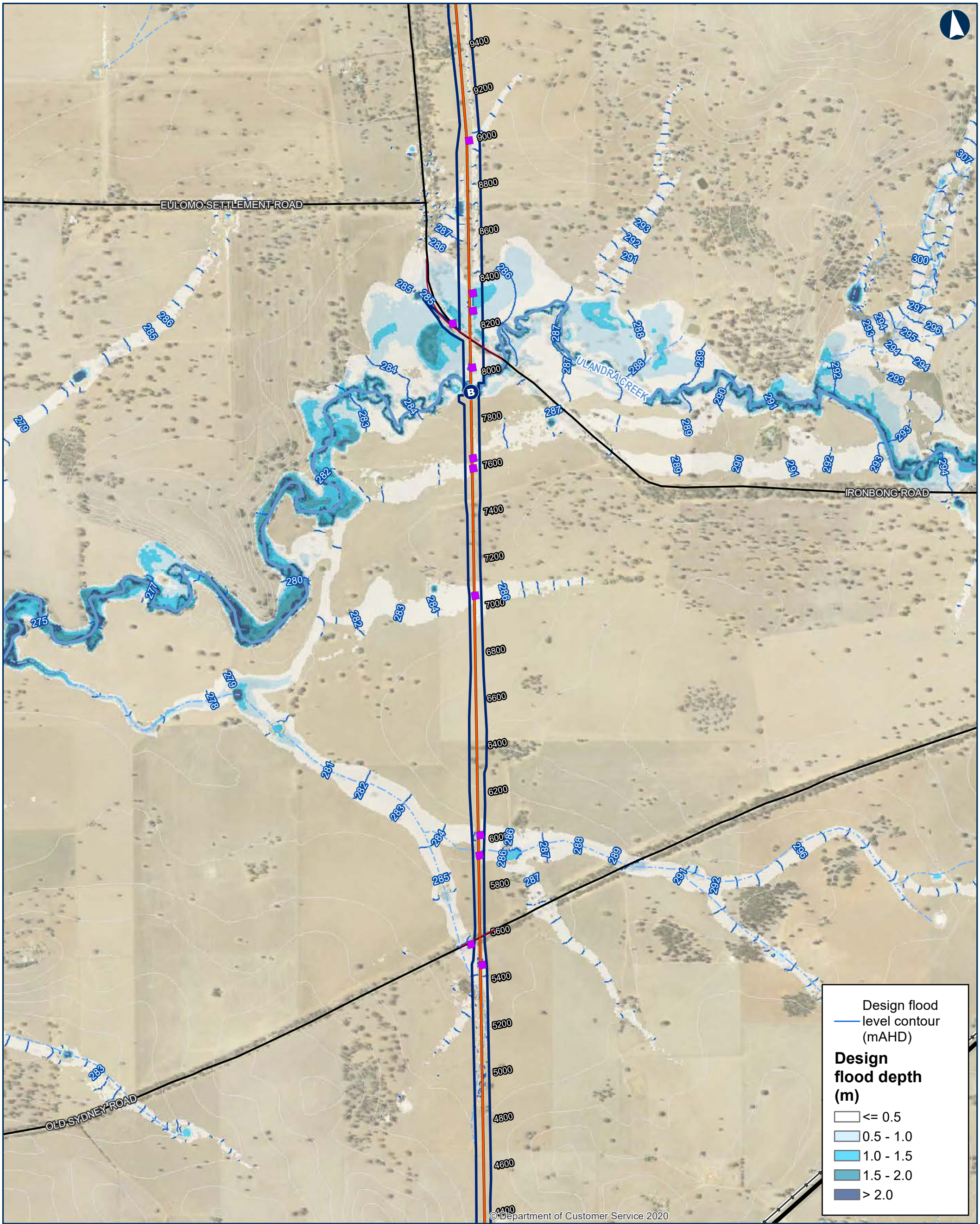

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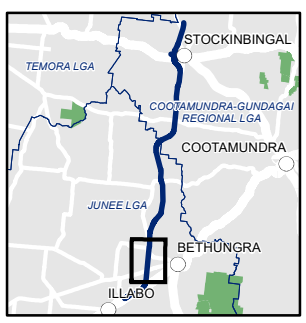

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IRONBONG CREEK
IRONBONG ROAD
EULOMO SETTLEMENT ROAD
RUNBOUNDARY CREEK
Crossing loops and maintenance siding
© Department of Customer Service 2020

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

ILLABO TO STOCKINBINGAL 2% AEP Design Flood Depths and Levels

0 200 400 Metres

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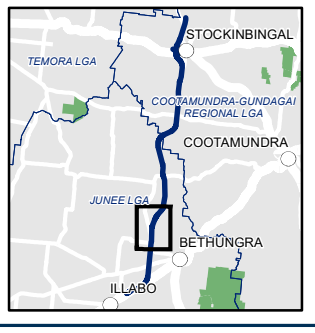

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DIRNASEER ROAD
IRONBONG ROAD
IRONBONG CREEK
RUN/BOUNDARY CREEK
HICKS LANE
18000
17800
17600
17400
17200
17000
16800
16600
16400
16200
16000
15800
15600
15400
15200
15000
14800
14600
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13800
13600
13400
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13000

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Design flood level contour (mAHD)

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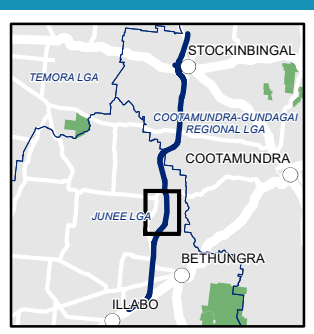

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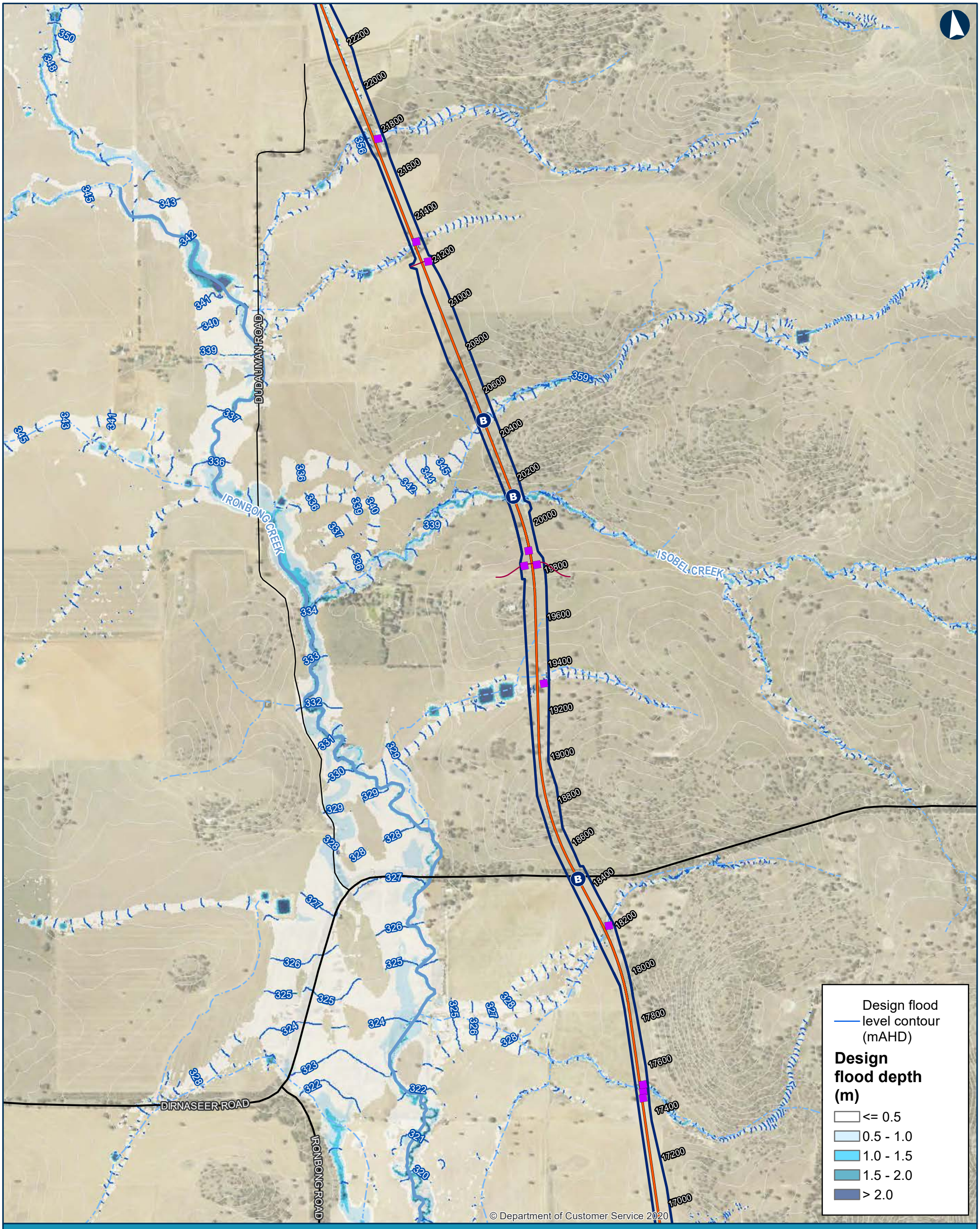

ILLABO TO STOCKINBINGAL 2% AEP Design Flood Depths and Levels

Map 5 of 9

0 200 400 Metres

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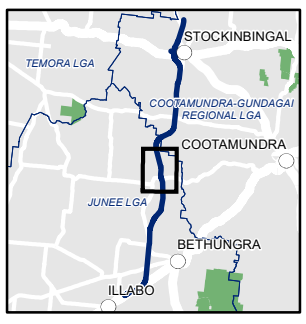

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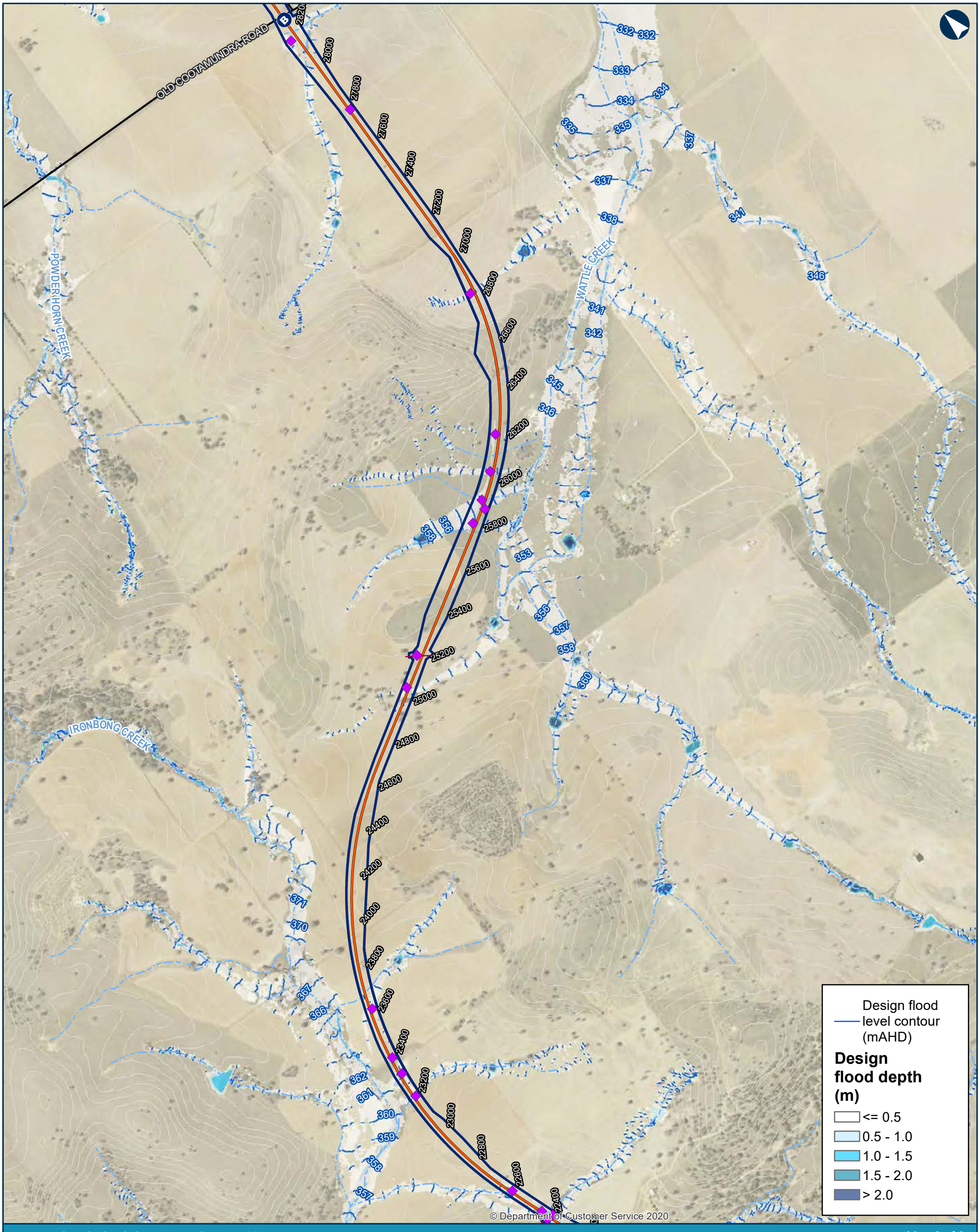

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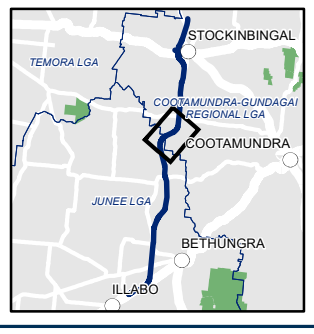

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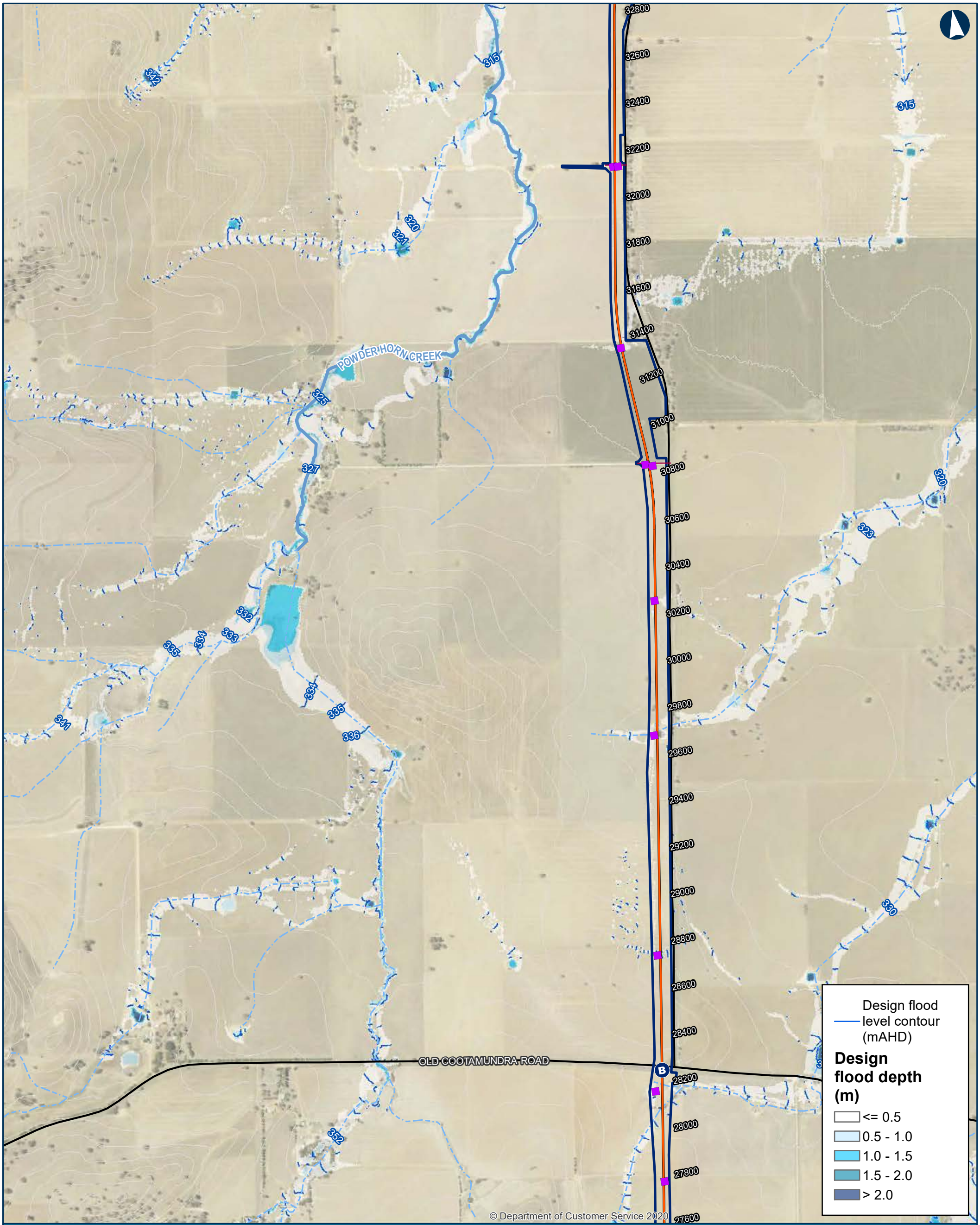

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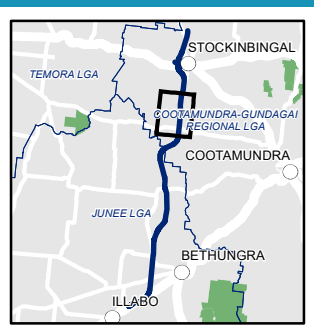

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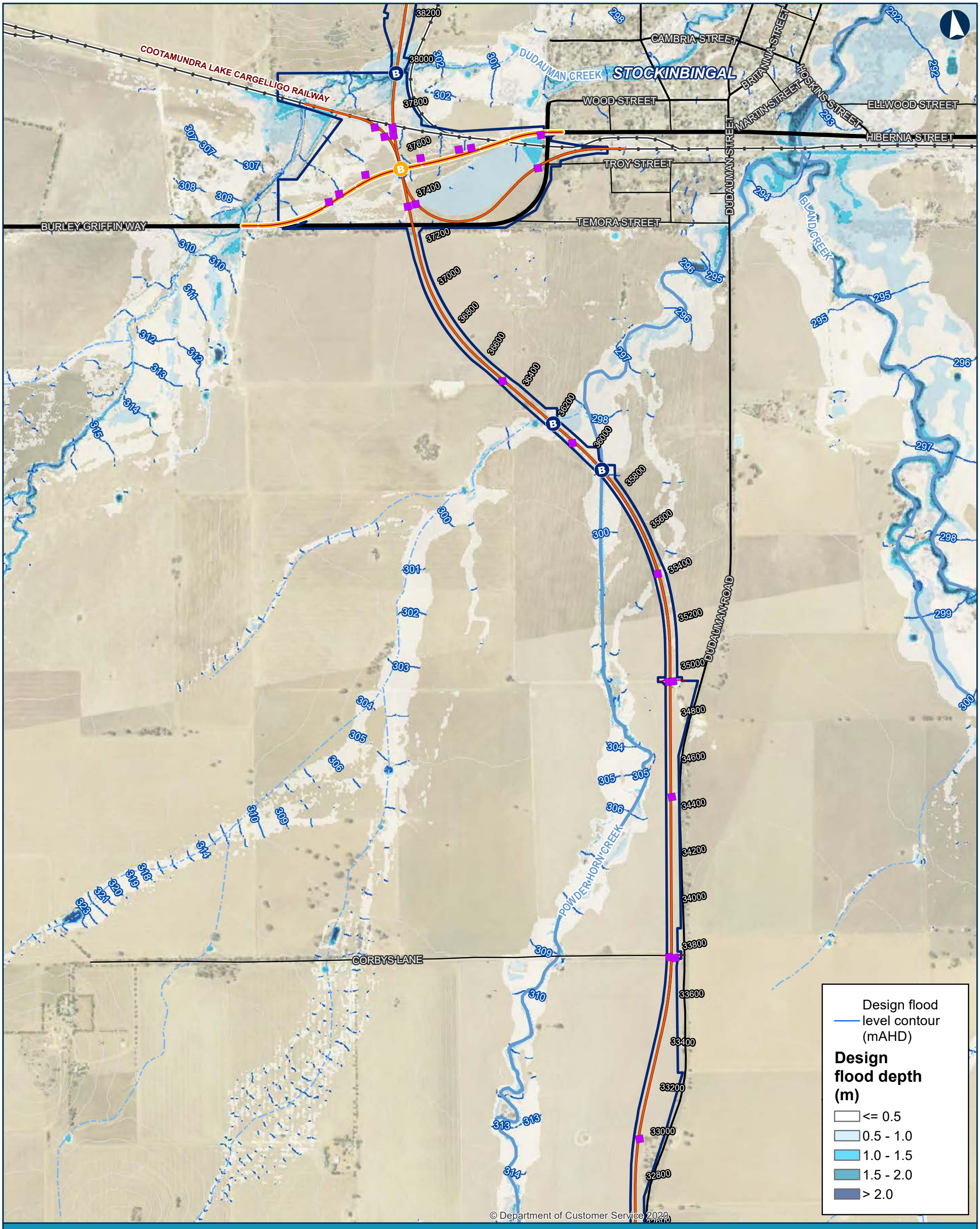

ILLABO TO STOCKINBINGAL 2% AEP Design Flood Depths and Levels

Map 8 of 9

0 200 400 Metres

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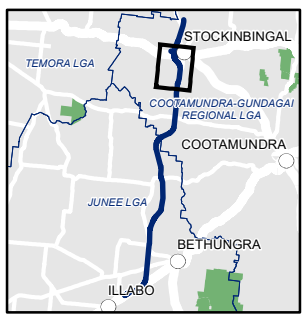
- Overbridge
- Underbridge
- Culvert
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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ILLABO TO STOCKINBINGAL 2% AEP Design Flood Depths and Levels

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL PARKES RAILWAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
NOONANS CREEK
BLANDI CREEK
RACECOURSE LANE
CROGAN ROAD
O'BRIEN STREET
CAMBRIA STREET
BRITANNIA STREET
HOSKINS STREET
ELLWOOD STREET
WOOD STREET
MARTIN STREET
DUDAUMAN STREET
DUDAUMAN ROAD
TROY STREET
TEMORA STREET
POWDERHORN CREEK
DUDAUMAN CREEK
STOCKINBINGAL
COOTAMUNDRA LAKE CARGELLIGO RAILWAY
BURLEY GRIFFIN WAY

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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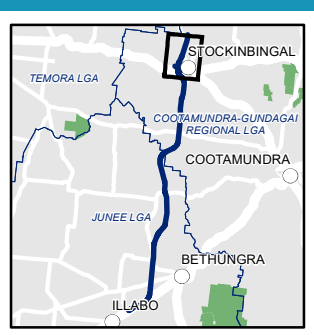
Date: 5/10/2023 Paper: A3
Author: IRDJV Scale: 1:15,000
Data Sources: IRDJV, ARTC, LPI

- Permanent acquisition boundary
- Chainage (distance in metres from southern limit of the proposal) (40950)
- New track/track upgrade
- Burley Griffin Way realignment
- Overbridge
- Underbridge
- Culvert
- 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 Design Flood Depths and Levels

Map 1 of 9

OLD SYDNEY ROAD
MAIN SOUTHERN RAILWAY
OLYMPIC HIGHWAY
WALBRIDGE LANE
BILLABONG CREEK
WARRENS LANE

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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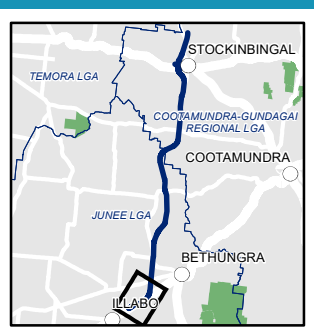
- B Underbridge
- Culvert
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0



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EULOMO SETTLEMENT ROAD

ULANDRA CREEK

IRONBONG ROAD

OLD SYDNEY ROAD

9400 9200 9000 8800 8600 8400 8200 8000 7800 7600 7400 7200 7000 6800 6600 6400 6200 6000 5800 5600 5400 5200 5000 4800 4600 4400

B

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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

ILLABO TO STOCKINBINGAL 1% AEP Design Flood Depths and Levels

0 200 400 Metres

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- New track/track upgrade
- Overbridge
- Underbridge
- Culvert
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
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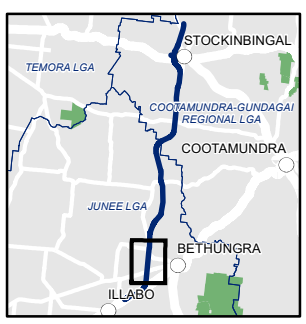

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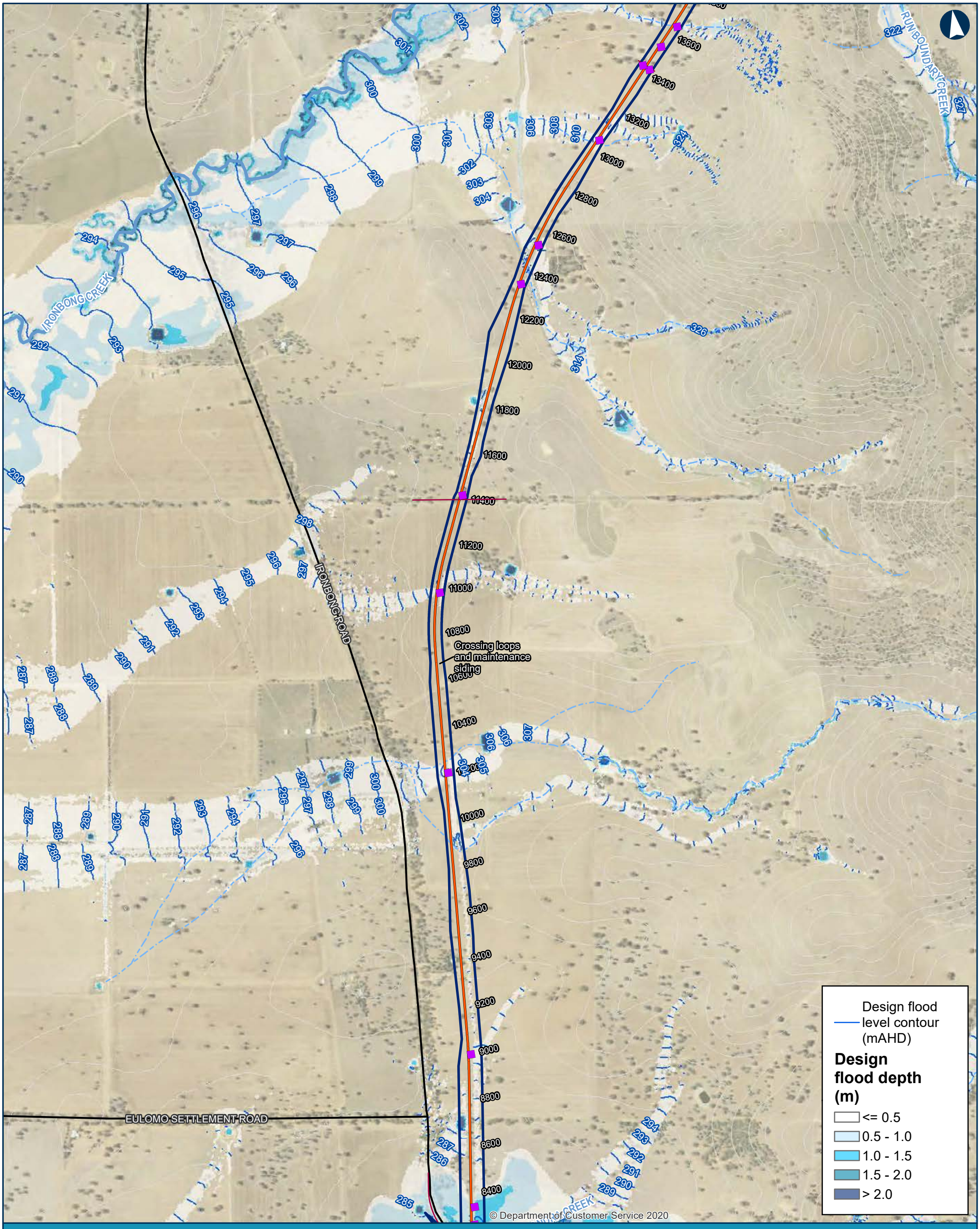

ILLABO TO STOCKINBINGAL 1% AEP Design Flood Depths and Levels

Map 3 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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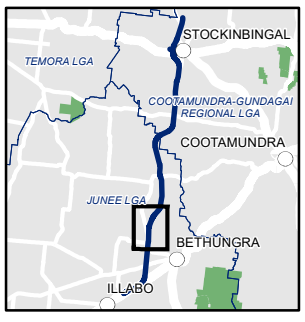

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DIRNASEER ROAD
IRONBONG ROAD
IRONBONG CREEK
RUN BOUNDARY CREEK
HICKS LANE

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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

ILLABO TO STOCKINBINGAL 1% AEP Design Flood Depths and Levels

0 200 400 Metres

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- B Underbridge
- Culvert
- 5m Contours
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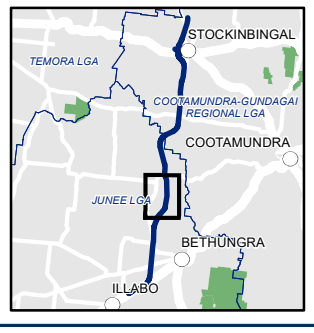

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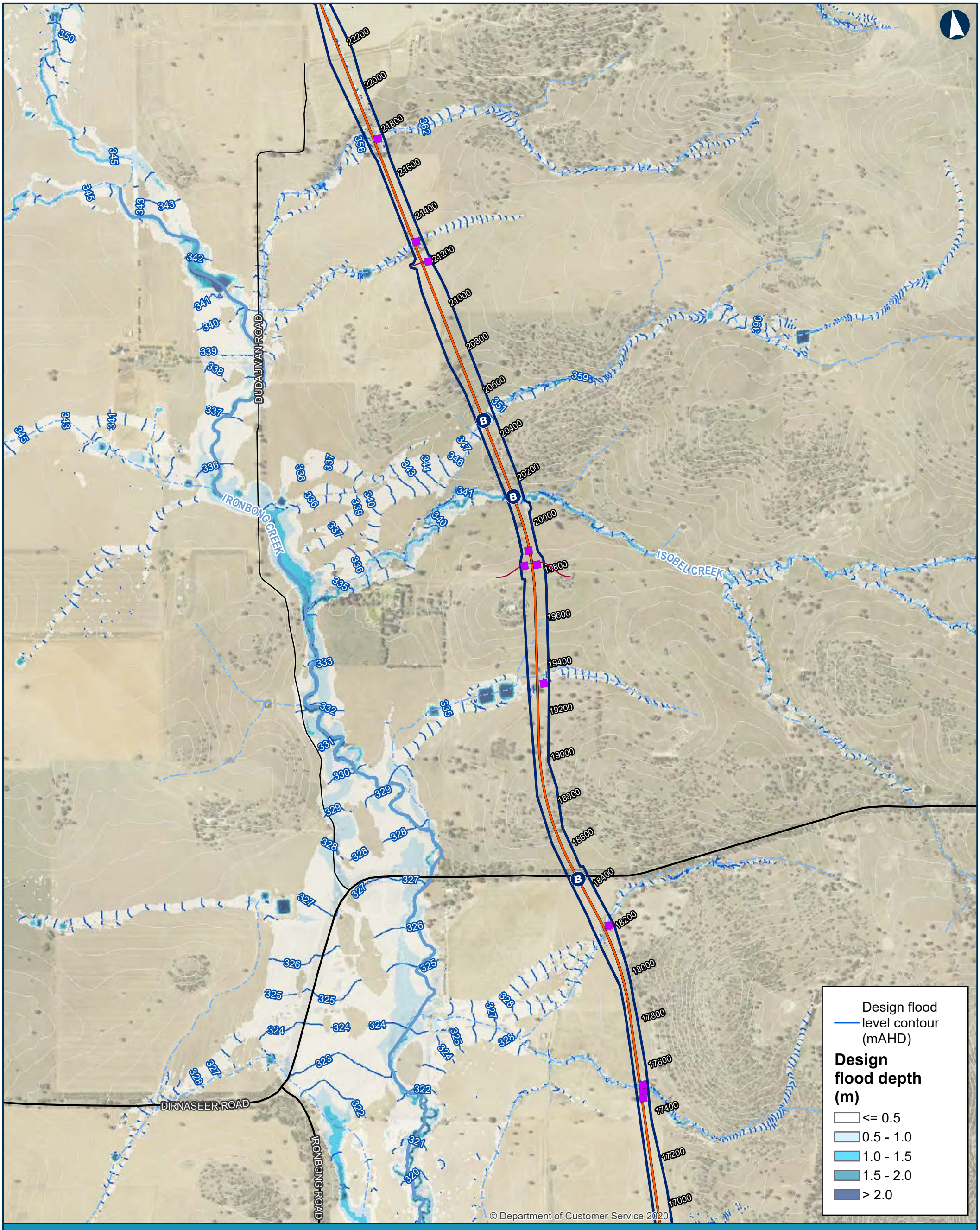

ILLABO TO STOCKINBINGAL 1% AEP Design Flood Depths and Levels

Map 5 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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- B Underbridge
- Culvert
- 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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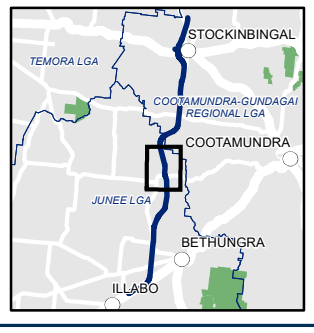

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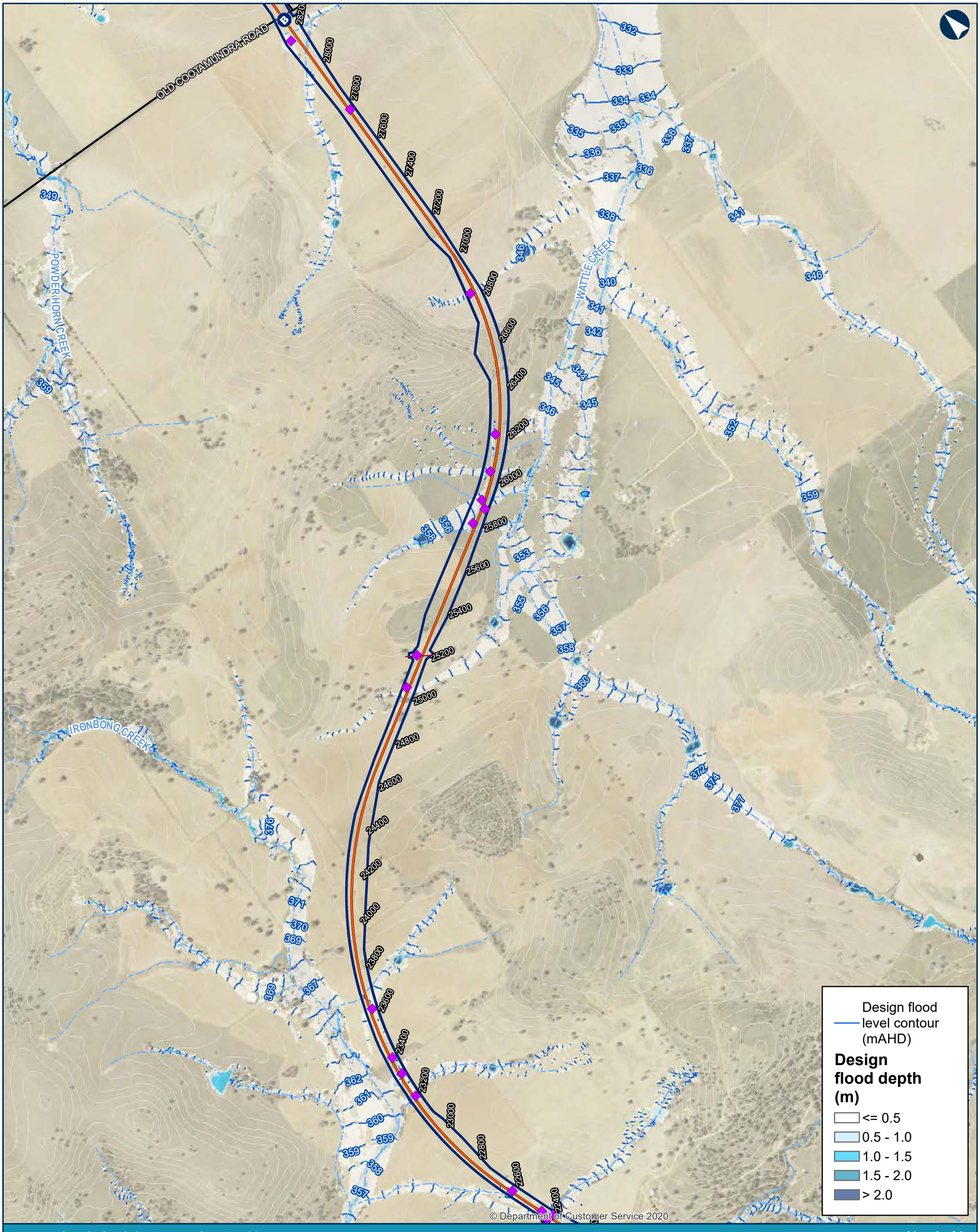

ILLABO TO STOCKINBINGAL 1% AEP Design Flood Depths and Levels

Map 6 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: IRDJV, ARTC, LPI

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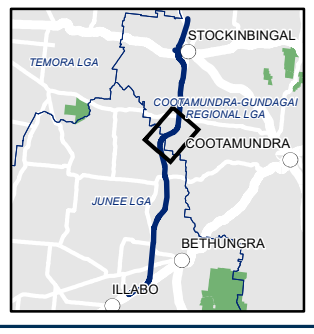
- Chainage (distance in metres from southern limit of the proposal) (40950)
- New track/track upgrade
- Overbridge (B)
- Underbridge (B)
- Culvert
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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POWDER HORN CREEK

OLD COOTAMUNDRA ROAD

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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ILLABO TO STOCKINBINGAL 1% AEP Design Flood Depths and Levels

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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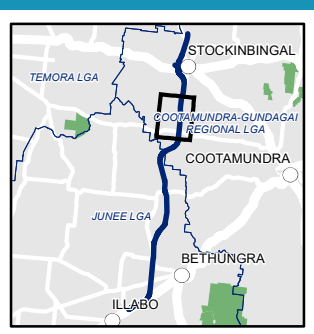
- Overbridge
- Underbridge
- Culvert
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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COOTAMUNDRA LAKE CARGELLIGO RAILWAY
DUDAUMAN CREEK
STOCKINBINGAL
CAMBRIA STREET
BRITANNIA STREET
HOSKINS STREET
MARTIN STREET
WOOD STREET
ELLWOOD STREET
HIBERNIA STREET
TROY STREET
DUDAUMAN STREET
BURLEY GRIFFIN WAY
TEMORA STREET
BLAND CREEK
DUDAUMAN ROAD
POWDERHORN CREEK
CORBYS LANE
38200
38000
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37600
37400
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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

ILLABO TO STOCKINBINGAL 1% AEP Design Flood Depths and Levels

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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- 5m Contours
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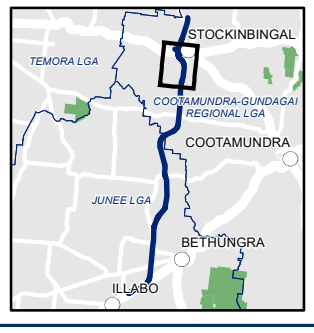

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ILLABO TO STOCKINBINGAL 1% AEP Design Flood Depths and Levels

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL PARKES RAILWAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
NOONANS CREEK
BLANDI CREEK
RACECOURSE LANE
CROGAN ROAD
O'BRIEN STREET
CAMBRIA STREET
BRITANNIA STREET
HOSKINS STREET
ELLWOOD STREET
WOOD STREET
MARTIN STREET
DUDAUMAN STREET
DUDAUMAN CREEK
STOCKINBINGAL
TROY STREET
TEMORA STREET
POWDERHORN CREEK
DUDAUMAN ROAD
BURLEY GRIFFIN WAY
COOTAMUNDRA LAKE CARGELLIGO RAILWAY

Design flood level contour (mAHD)

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- <= 0.5
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0 200 400 Metres

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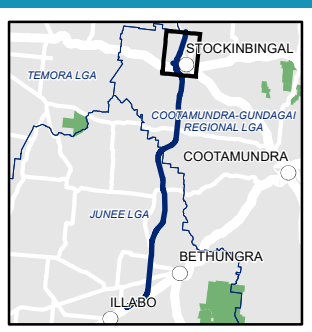

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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Design Flood Depths and Levels

OLD SYDNEY ROAD
MAIN SOUTHERN RAILWAY
OLYMPIC HIGHWAY
BILLABONG CREEK
WALBRIDGE LANE
WARRENS LANE

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

Permanent acquisition boundary
40950 Chainage (distance in metres from southern limit of the proposal)
New track/track upgrade
Overbridge
Underbridge
Culvert
5m Contours
Existing rail
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Major watercourse (Strahler SO 4-6)
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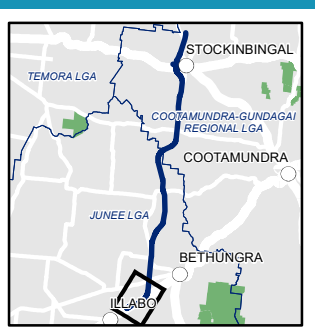
Arterial road



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EULOMO SETTLEMENT ROAD

ULANDRA CREEK

IRONBONG ROAD

OLD SYDNEY ROAD

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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

ILLABO TO STOCKINBINGAL 1% AEP Climate Change Design Flood Depths and Levels

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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- Culvert
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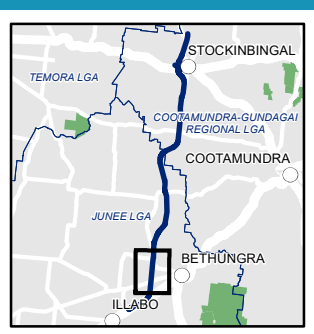

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IRONBONG CREEK
IRONBONG ROAD
EULOMO SETTLEMENT ROAD
RUNBOUNDARY CREEK
Crossing loops and maintenance siding
© Department of Customer Service 2020

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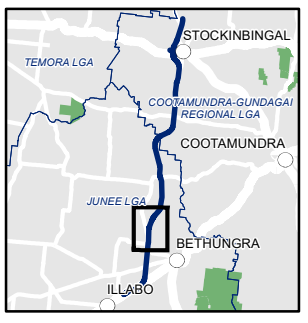

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DIRNASEER ROAD
IRONBONG ROAD
HICKS LANE
IRONBONG CREEK
RUN BOUNDARY CREEK
18000
17800
17600
17400
17200
17000
16800
16600
16400
16200
16000
15800
15600
15400
15200
15000
14800
14600
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14000
13800
13600
13400
13200
13000

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0 200 400 Metres

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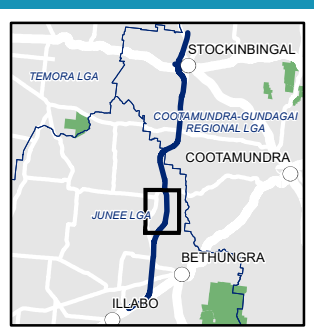

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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Design Flood Depths and Levels

DUBAUMAN ROAD
IRONBONG CREEK
ISOBEL CREEK
DIRNASEER ROAD
IRONBONG ROAD

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

Permanent acquisition boundary
Chainage (distance in metres from southern limit of the proposal)
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Overbridge
Underbridge
Culvert
5m Contours
Existing rail
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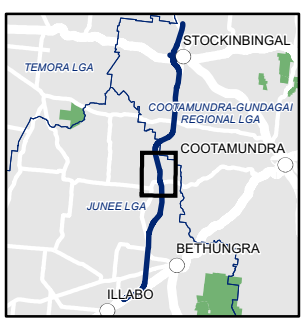

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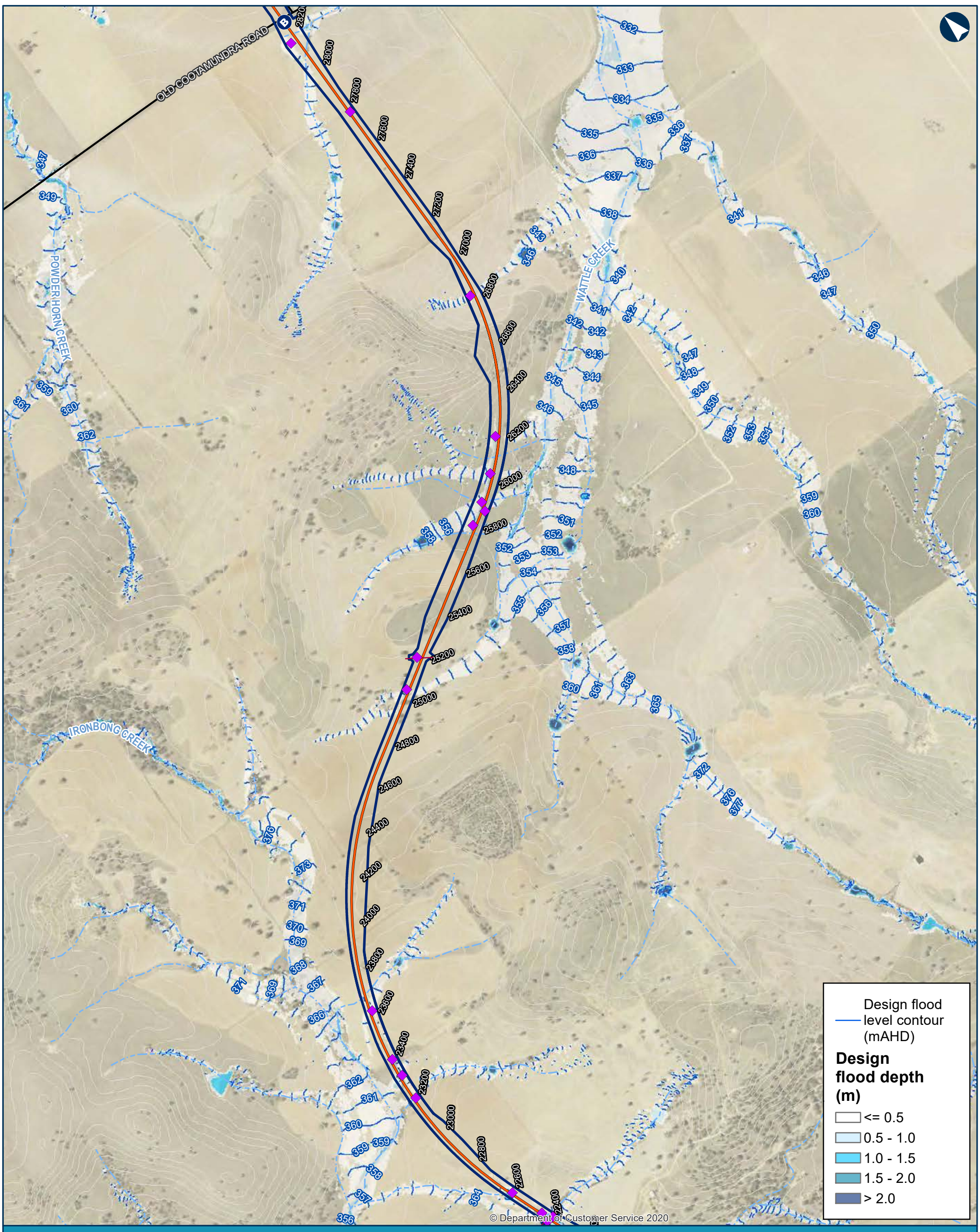

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0 200 400 Metres

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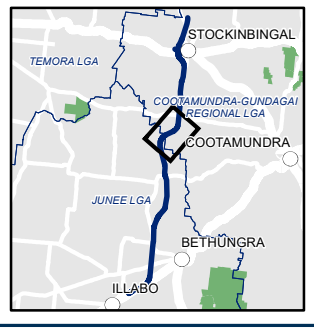

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POWDER HORN CREEK

OLD COOTAMUNDRA ROAD

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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Design Flood Depths and Levels

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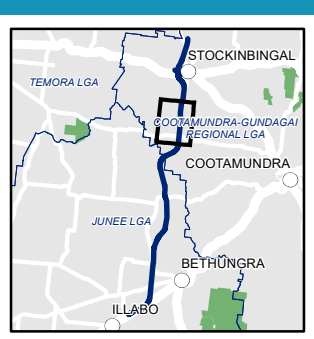

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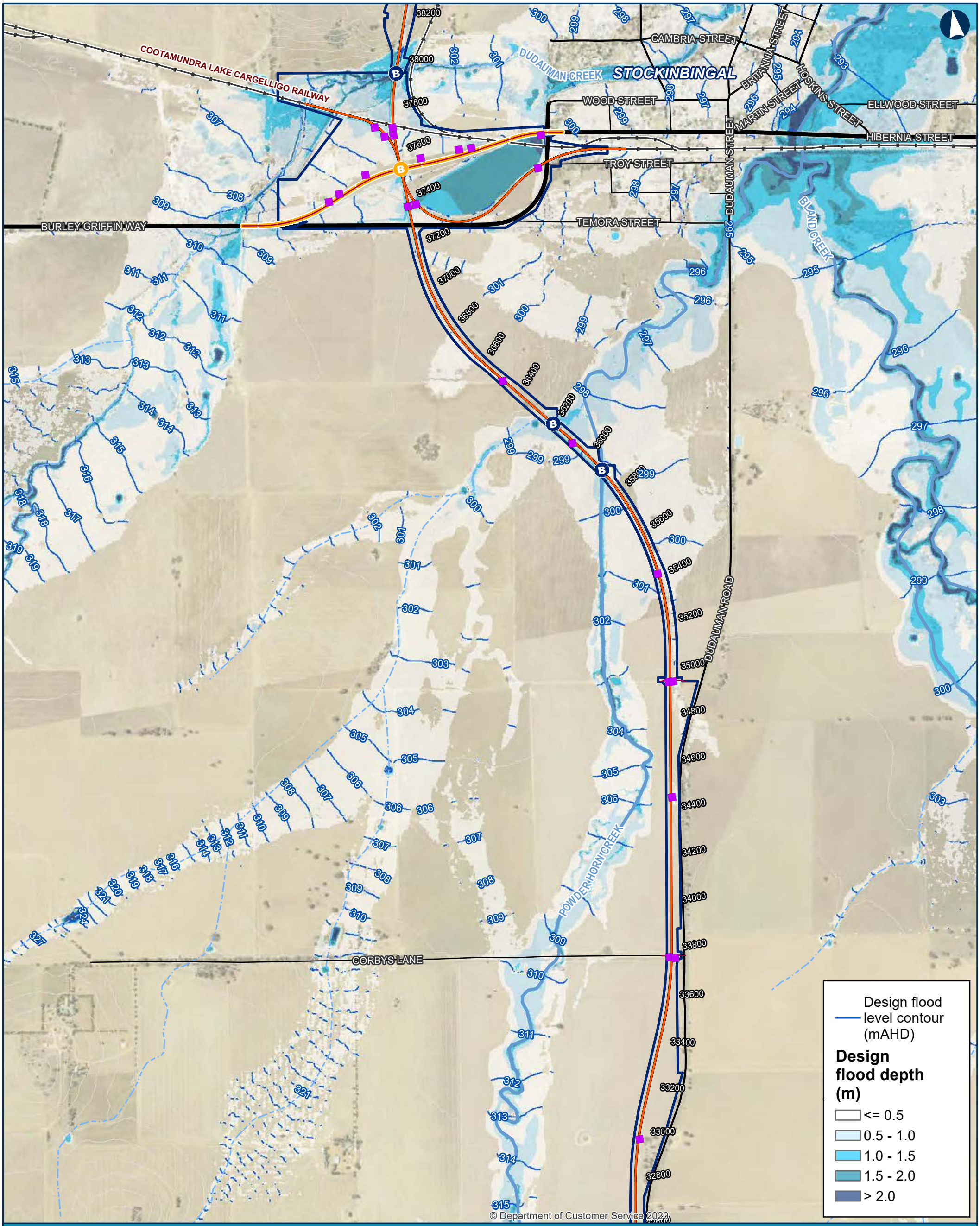

ILLABO TO STOCKINBINGAL 1% AEP Climate Change Design Flood Depths and Levels

Map 8 of 9

0 200 400 Metres

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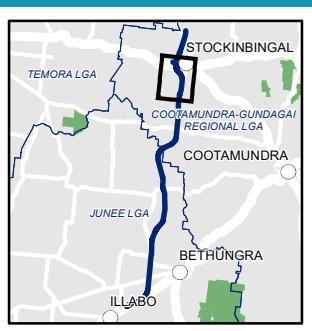

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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Design Flood Depths and Levels

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL PARKES RAILWAY
COOTAMUNDRA LAKE CARGELLIGO RAILWAY
BURLEY GRIFFIN WAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
RACECOURSE LANE
CROGAN ROAD
O'BRIEN STREET
CAMBRIA STREET
WOOD STREET
TROY STREET
TEMORA STREET
DUDAUMAN CREEK
STOCKINBINGAL
BRITANNIA STREET
MARTIN STREET
HOSKINS STREET
ELLWOOD STREET
DUDAUMAN STREET
DUDAUMAN ROAD
POWDERHORN CREEK
BLAND CREEK
NOONANS CREEK

41800 41600 41400 41200 41000 40800 40600 40400 40200 40000 39800 39600 39400 39200 39000 38800 38600 38400 38200 38000 37800 37600 37400 37200 37000 36800 36600

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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

0 200 400 Metres

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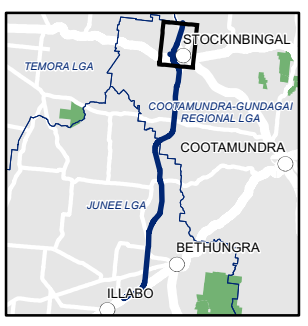

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ILLABO TO STOCKINBINGAL 0.05% AEP Design Flood Depths and Levels

Map 1 of 9

OLD SYDNEY ROAD
MAIN SOUTHERN RAILWAY
OLYMPIC HIGHWAY
BILLABONG CREEK
WALBRIDGE LANE
WARRENS LANE

Design flood level contour (mAHD)

Design flood depth (m)

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- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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0 200 400 Metres

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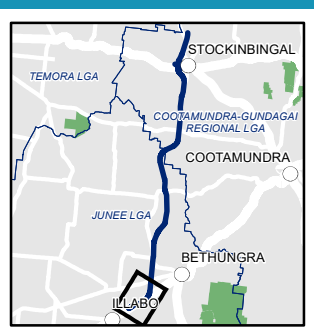

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EULOMO SETTLEMENT ROAD

ULANDRA CREEK

IRONBONG ROAD

OLD SYDNEY ROAD

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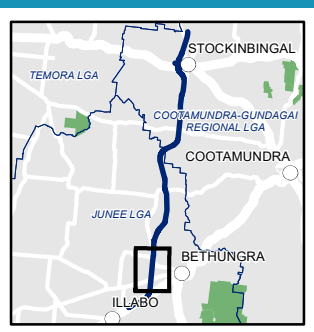

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ILLABO TO STOCKINBINGAL 0.05% AEP Design Flood Depths and Levels

IRONBONG CREEK
IRONBONG ROAD
RUNBOUNDARY CREEK
EULOMO SETTLEMENT ROAD
Crossing loops and maintenance siding
13600
13400
13200
13000
12800
12600
12400
12200
12000
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400

Design flood level contour (mAHD)

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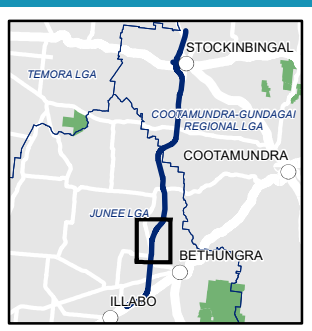

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DIRNASEER ROAD
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HICKS LANE
18000
17800
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14000
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13400
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13000
B

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ILLABO TO STOCKINBINGAL 0.05% AEP Design Flood Depths and Levels

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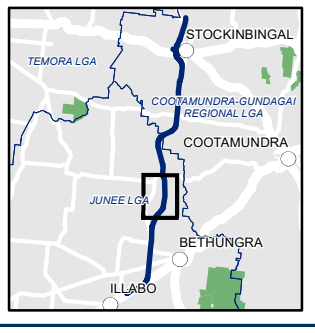
- Arterial road



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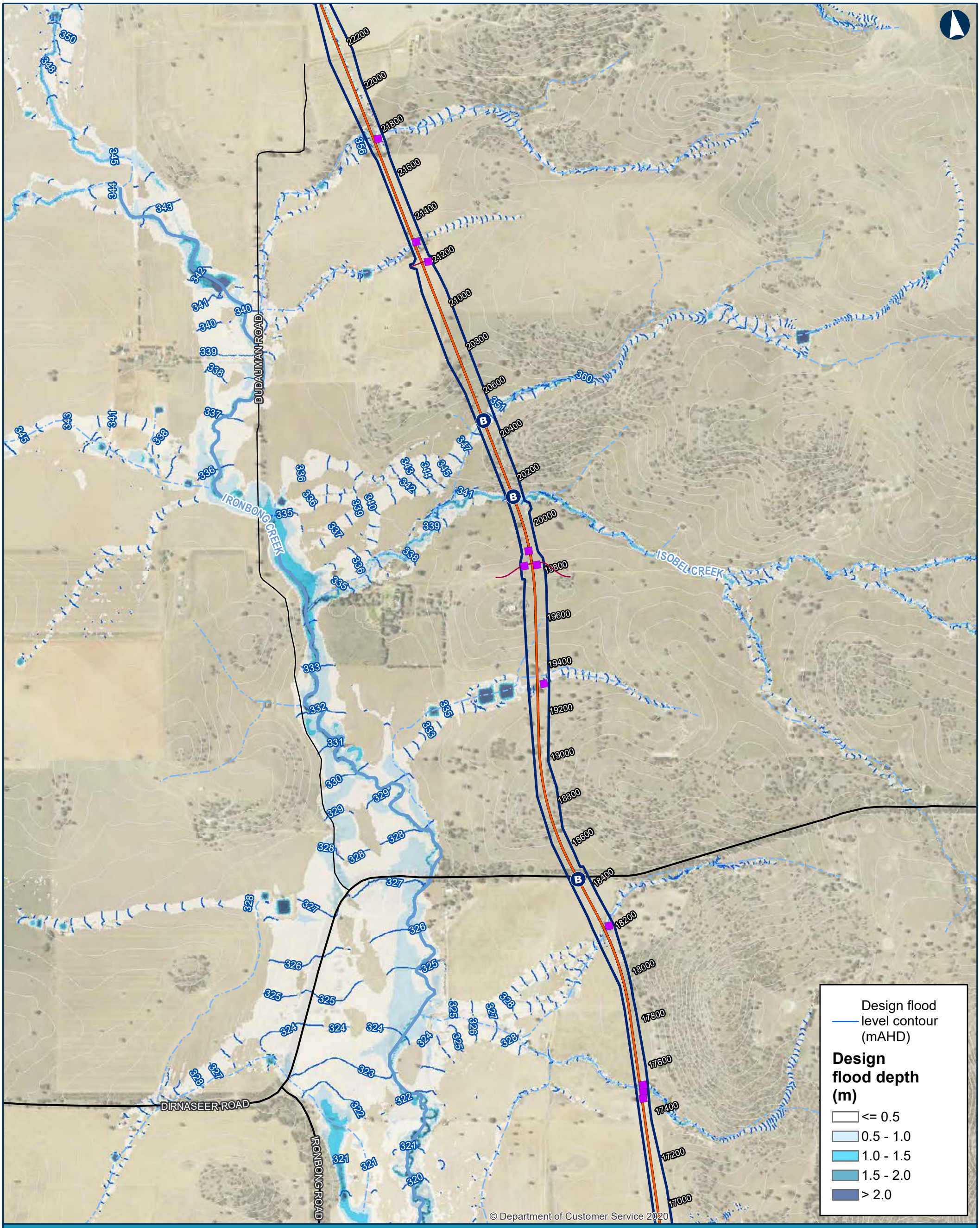

ILLABO TO STOCKINBINGAL 0.05% AEP Design Flood Depths and Levels

Map 5 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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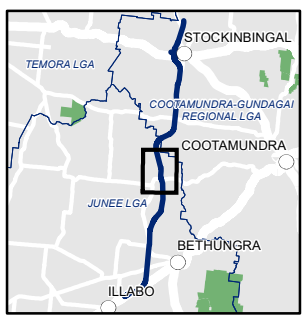

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OLD COOTAMUNDRA ROAD

POWDER HORN CREEK

WATTLE CREEK

IRONBONG CREEK

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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ILLABO TO STOCKINBINGAL 0.05% AEP Design Flood Depths and Levels

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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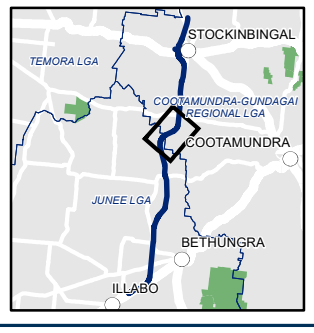

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POWDER HORN CREEK

OLD COOTAMUNDRA ROAD

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Design flood level contour (mAHD)

Design flood depth (m)

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- 0.5 - 1.0
- 1.0 - 1.5
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ILLABO TO STOCKINBINGAL 0.05% AEP Design Flood Depths and Levels

0 200 400 Metres

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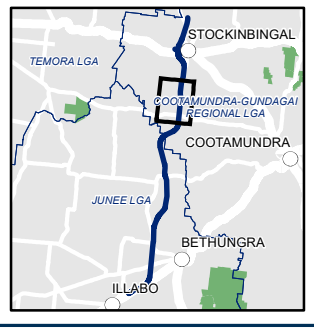

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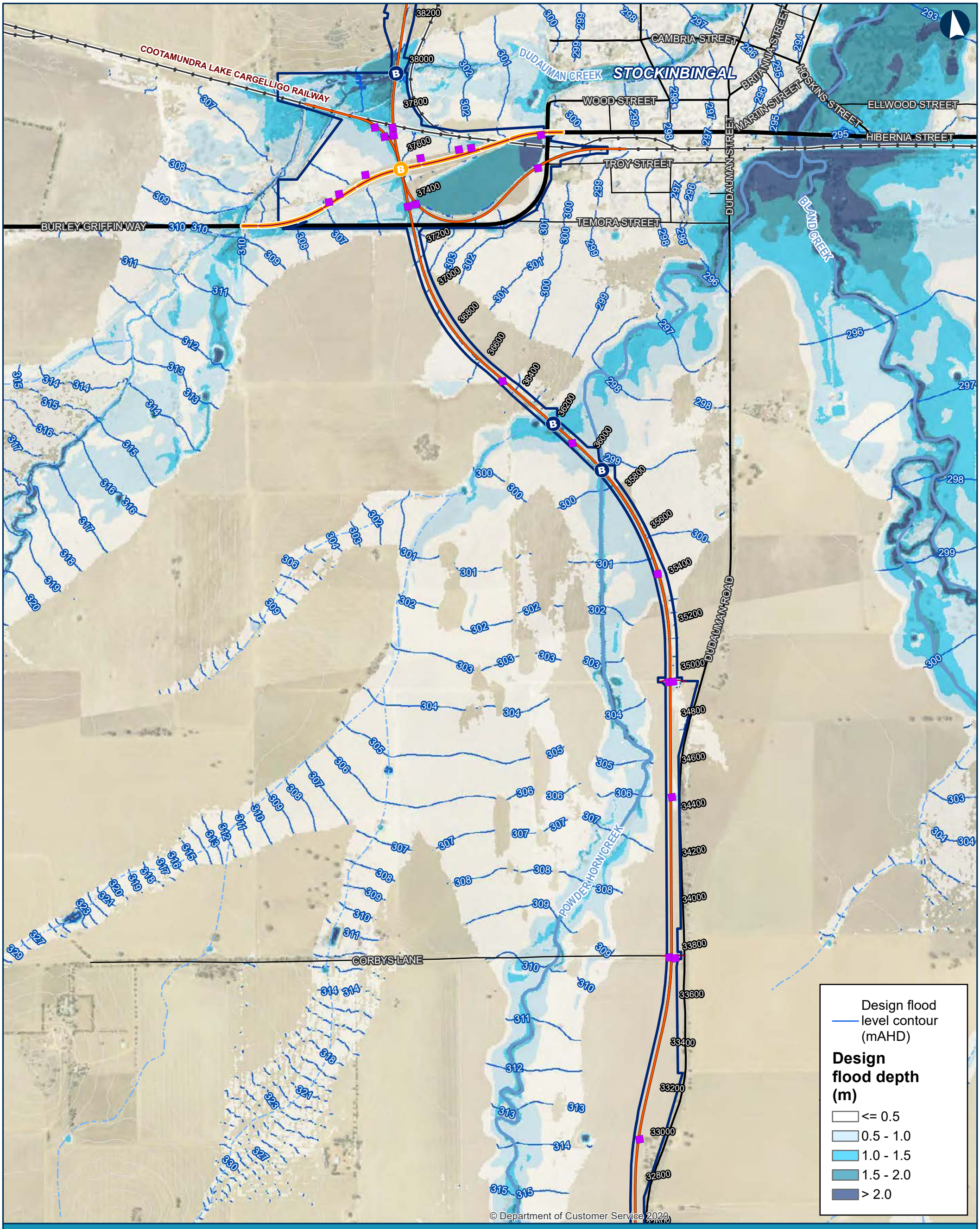

ILLABO TO STOCKINBINGAL 0.05% AEP Design Flood Depths and Levels

Map 8 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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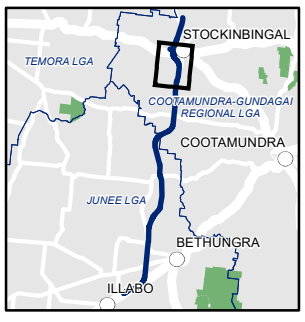

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ILLABO TO STOCKINBINGAL 0.05% AEP Design Flood Depths and Levels

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL PARKES RAILWAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
NOONANS CREEK
BLAND CREEK
RACECOURSE LANE
GROGAN ROAD
O'BRIEN STREET
BRITANNIA STREET
CAMBRIA STREET
HOSKINS STREET
DUDAUMAN CREEK
STOCKINBINGAL
WOOD STREET
MARTIN STREET
ELLWOOD STREET
COOTAMUNDRA LAKE CARGELLIGO RAILWAY
TROY STREET
DUDAUMAN ROAD
POWDERHORN CREEK
TEMORA STREET
BURLEY GRIFFIN WAY

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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0 200 400 Metres

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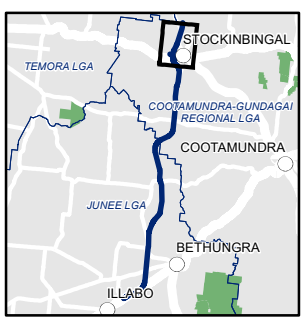

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OLD SYDNEY ROAD
MAIN SOUTHERN RAILWAY
OLYMPIC HIGHWAY
BILLABONG CREEK
WALBRIDGE LANE
WARRENS LANE
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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
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- > 2.0

ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Flood Depths and Levels

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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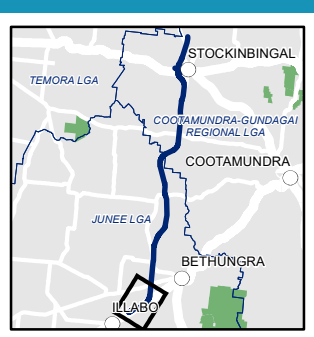

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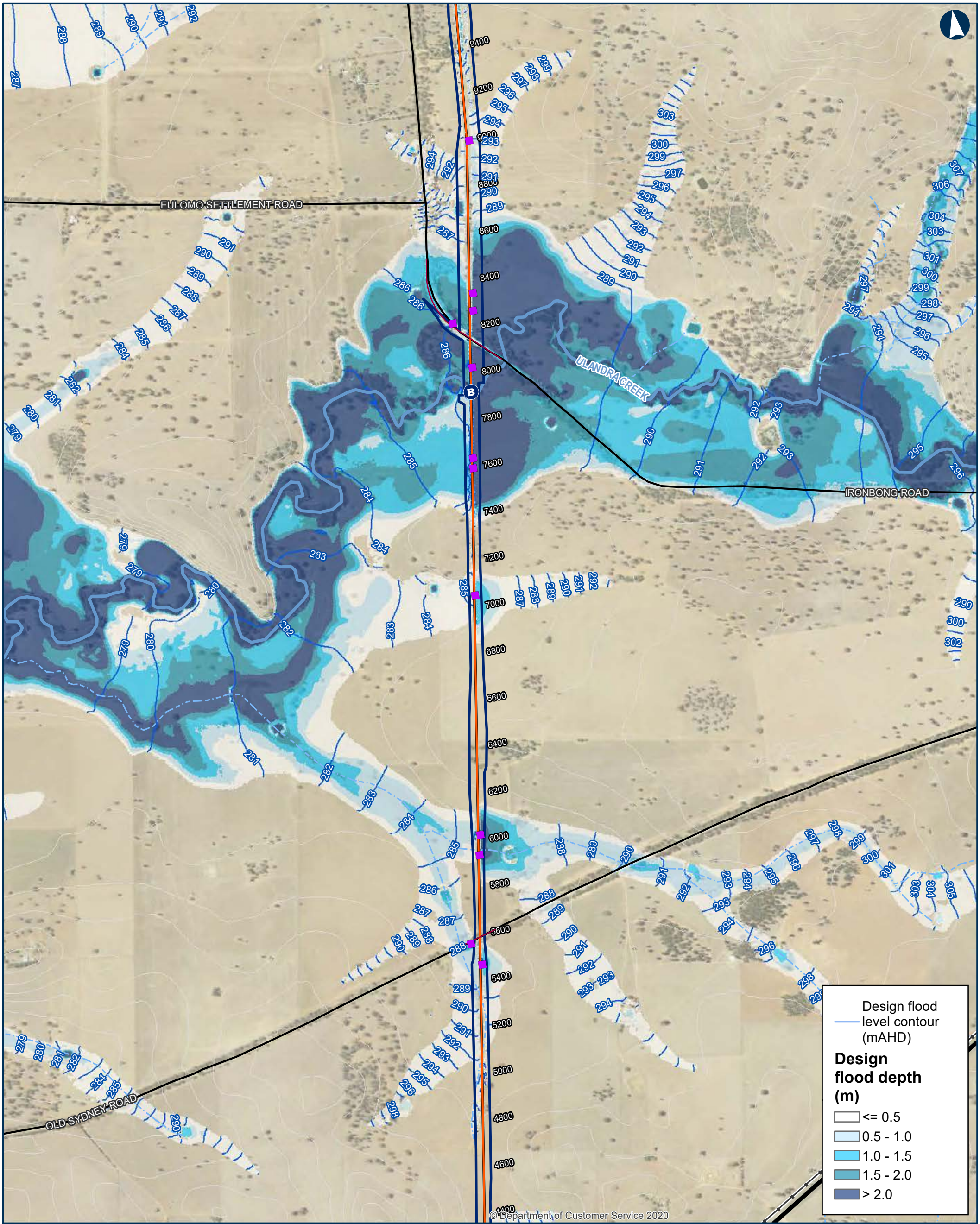

ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Flood Depths and Levels

Map 2 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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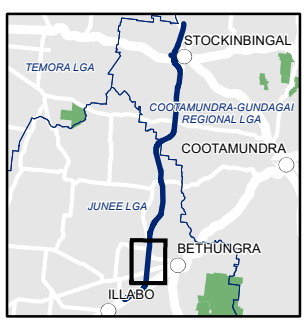

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IRONBONG CREEK

RUNBOUNDARY CREEK

IRONBONG ROAD

Crossing loops and maintenance siding

EULOMO SETTLEMENT ROAD

© Department of Customer Service 2020

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
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- > 2.0

ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Flood Depths and Levels

0 200 400 Metres

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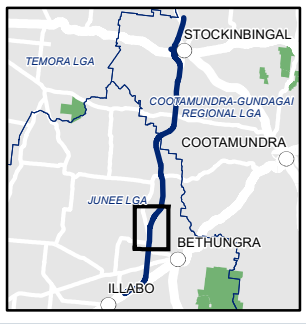

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DIRNASEER ROAD

IRONBONG ROAD

IRONBONG CREEK

RUN BOUNDARY CREEK

HICKS LANE

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Flood Depths and Levels

0 200 400 Metres

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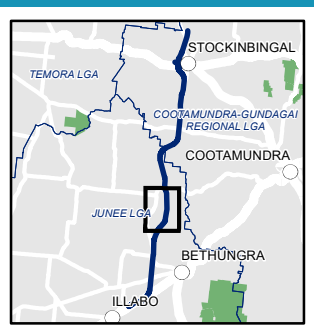

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DUDAUMAN ROAD
IRONBONG CREEK
ISOBEL CREEK
DIRNASEER ROAD
IRONBONG ROAD
22200
22000
21800
21600
21400
21200
21000
20800
20600
20400
20200
20000
19800
19600
19400
19200
19000
18800
18600
18400
18200
18000
17800
17600
17400
17200
17000

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
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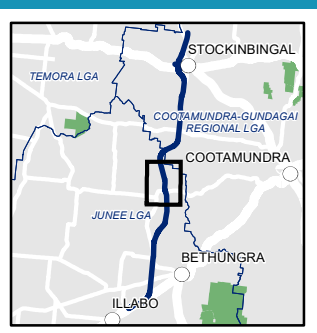

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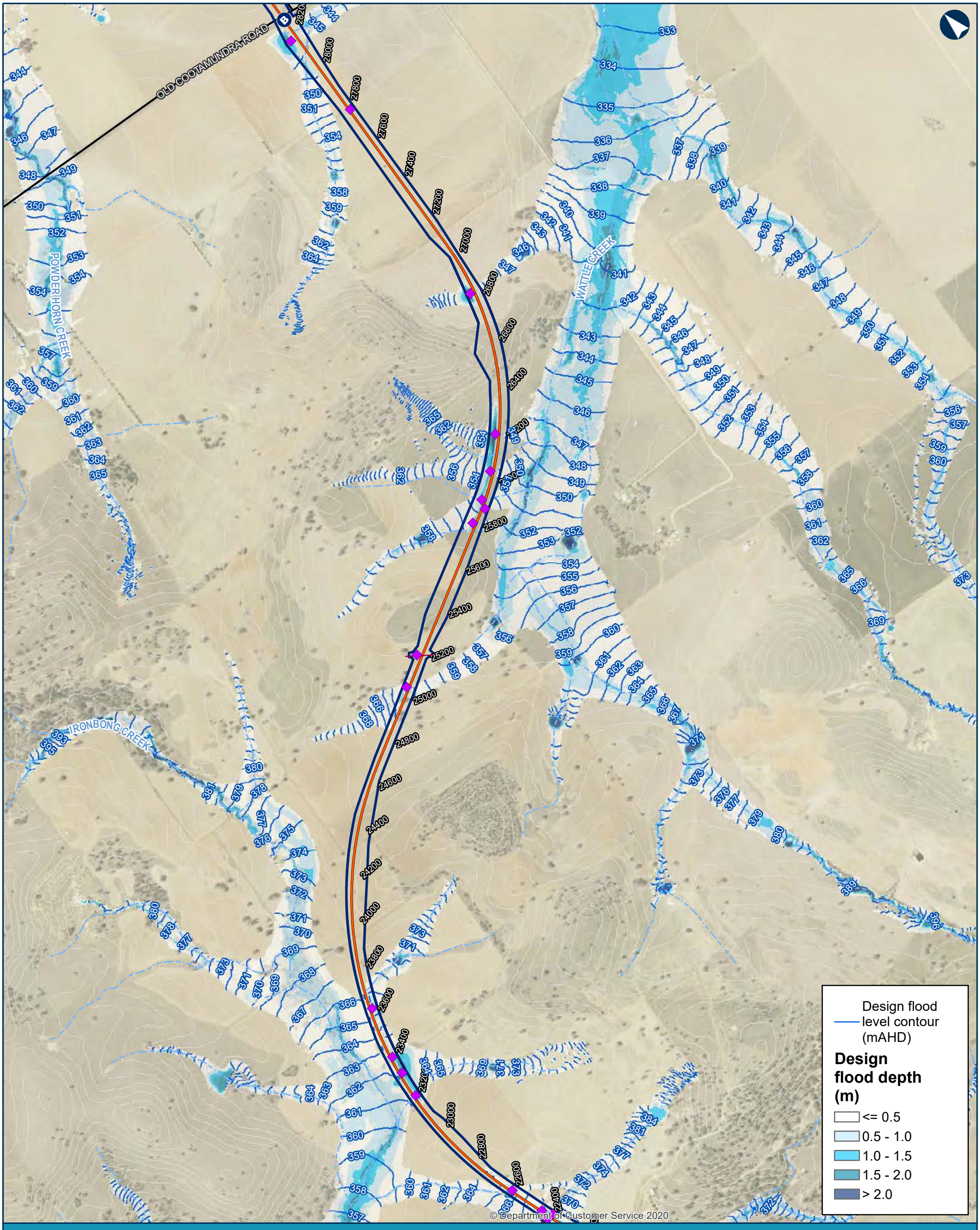

ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Flood Depths and Levels

Map 6 of 9

0 200 400 Metres

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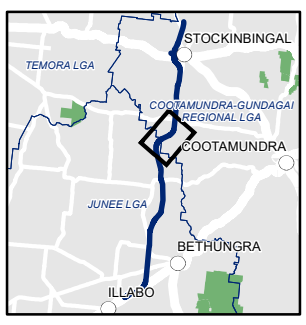

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POWDER HORN CREEK

OLD COOTAMUNDRA ROAD

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Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Flood Depths and Levels

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
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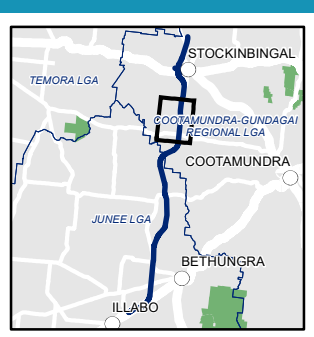
- New track/track upgrade
- Overbridge
- Underbridge
- Culvert
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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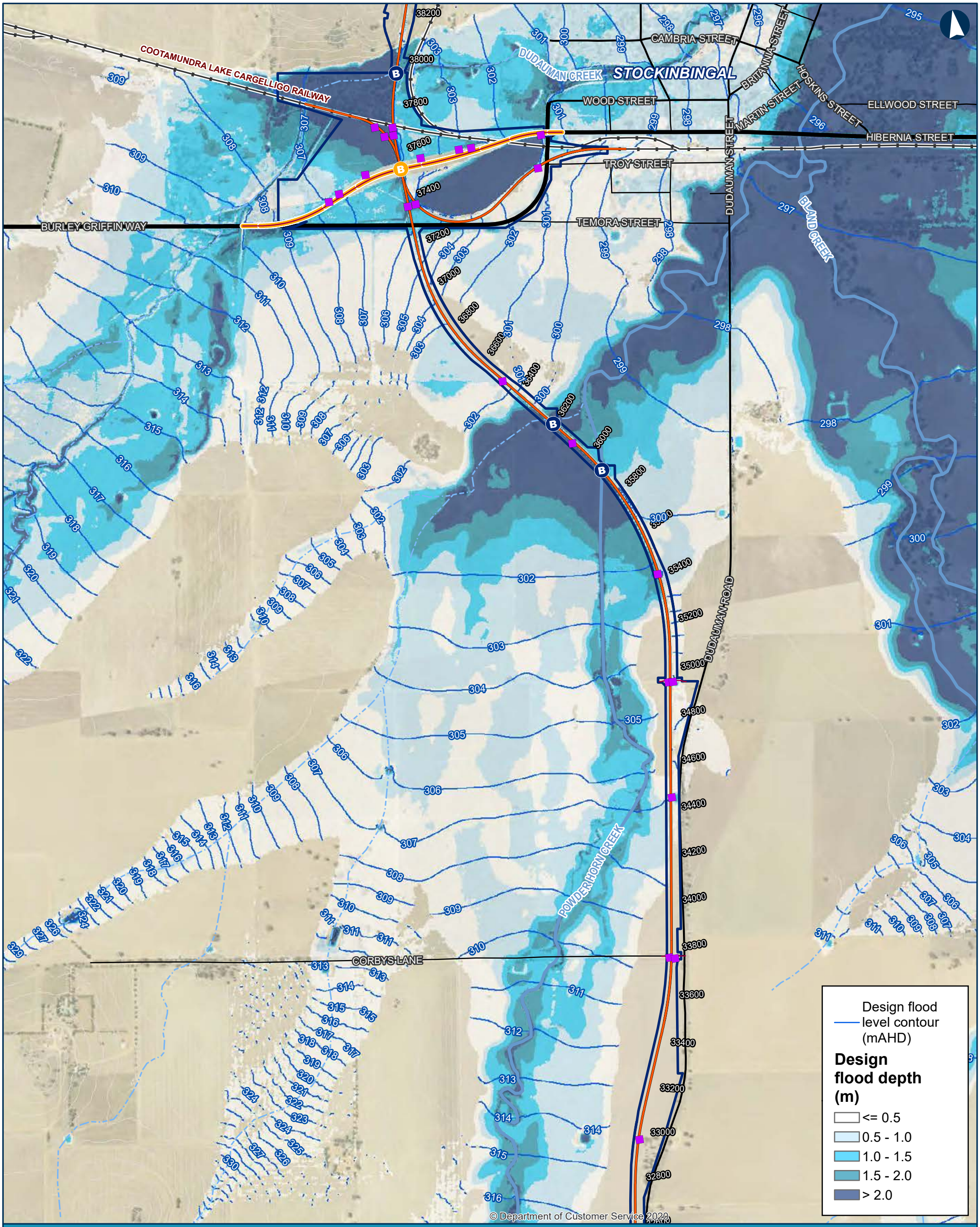

ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Flood Depths and Levels

Map 8 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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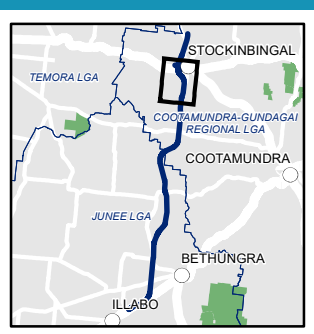
- New track/track upgrade
- Burley Griffin Way realignment
- Overbridge
- Underbridge
- Culvert
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Flood Depths and Levels

Map 9 of 9

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL PARKES RAILWAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
BLAND CREEK
NOONANS CREEK
RACECOURSE LANE
GROGAN ROAD
O'BRIEN STREET
CAMBRIA STREET
COOTAMUNDRA LAKE CARGELLIGO RAILWAY
DUDAUMAN CREEK
STOCKINBINGAL
WOOD STREET
MARTIN STREET
HOSKINS STREET
ELLWOOD STREET
TROY STREET
DUDAUMAN STREET
POWDERHORN CREEK
TEMORA STREET
BURLEY GRIFFIN WAY
DUDAUMAN ROAD

Design flood level contour (mAHD)

Design flood depth (m)

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

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0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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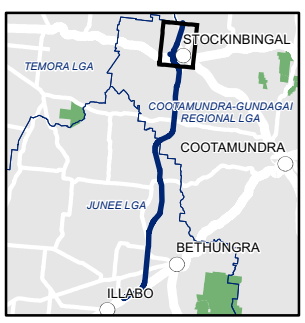
- Arterial road



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OLD SYDNEY ROAD

BYILLABONG CREEK

WARRENS LANE

WALBRIDGE LANE

MAIN SOUTHERN RAILWAY

OLYMPIC HIGHWAY

5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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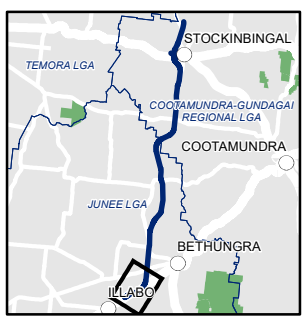

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EULOMO SETTLEMENT ROAD

IRONBONG ROAD

OLD SYDNEY ROAD

ULANDRA CREEK

9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

0 200 400 Metres

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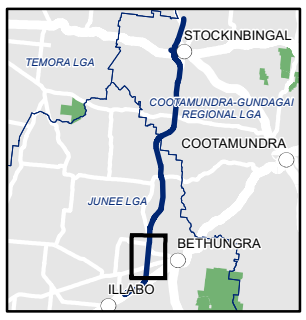

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IRONBONG CREEK
RUNBOUNDARY CREEK
IRONBONG ROAD
EULOMO SETTLEMENT ROAD
13600
13400
13200
13000
12800
12600
12400
12200
12000
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
Crossing loops and maintenance siding
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Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

0 200 400 Metres

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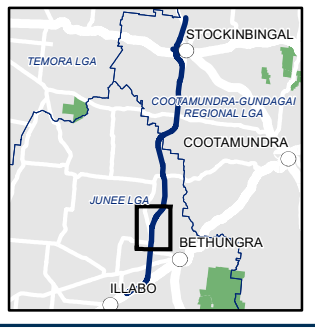
- Sub-arterial road
- Arterial road



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DIRNASEER ROAD
IRONBONG ROAD
IRONBONG CREEK
HICKS LANE
RUN BOUNDARY CREEK
18000
17800
17600
17400
17200
17000
16800
16600
16400
16200
16000
15800
15600
15400
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
13200
13000
B

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

0 200 400 Metres

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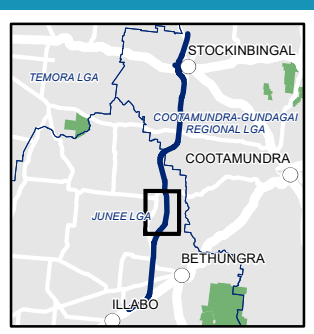
- Sub-arterial road
- Arterial road



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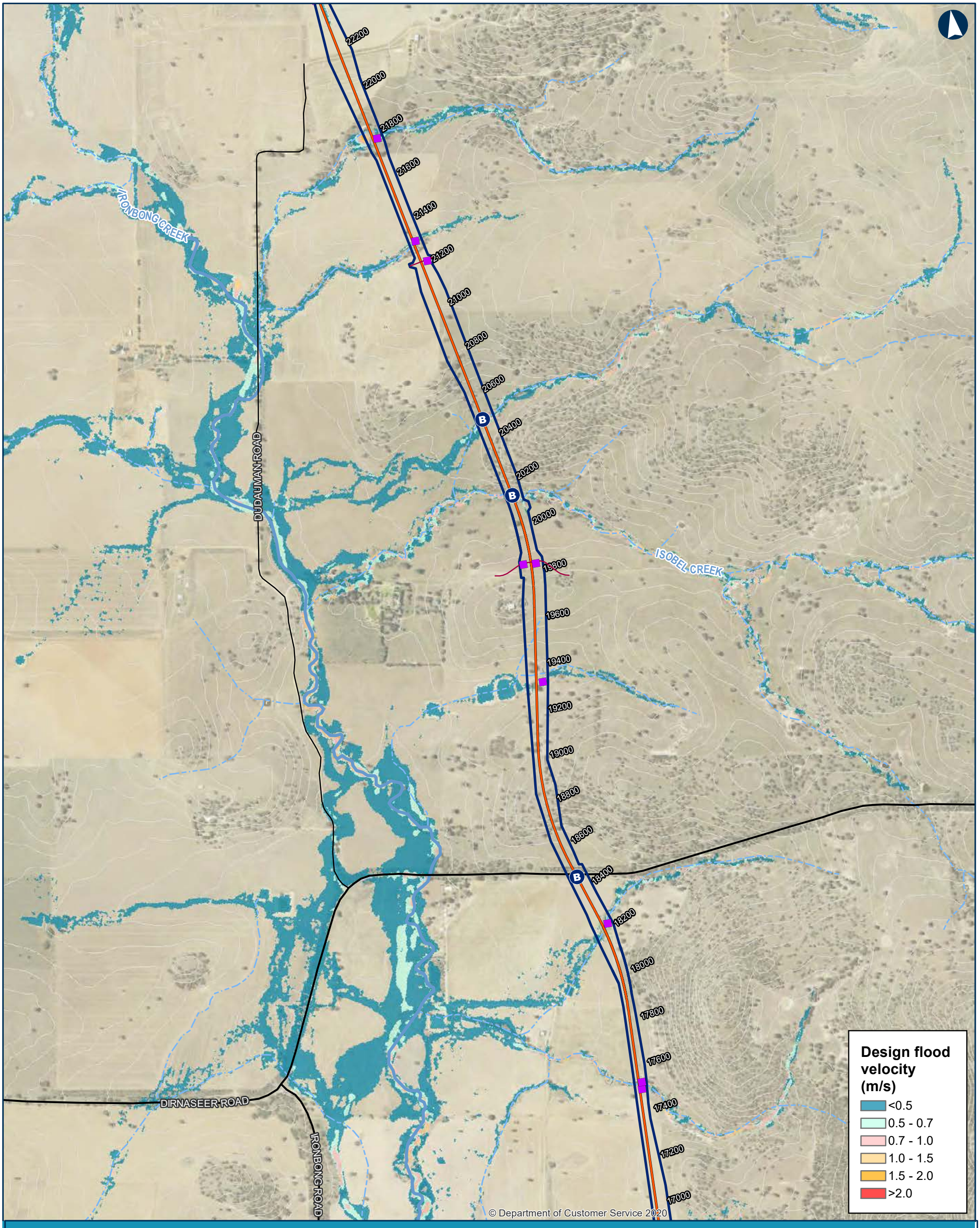

ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

0 200 400 Metres

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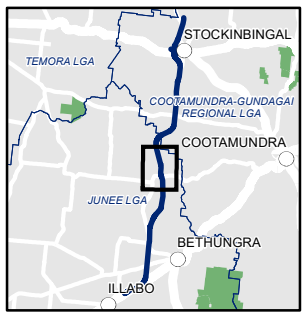

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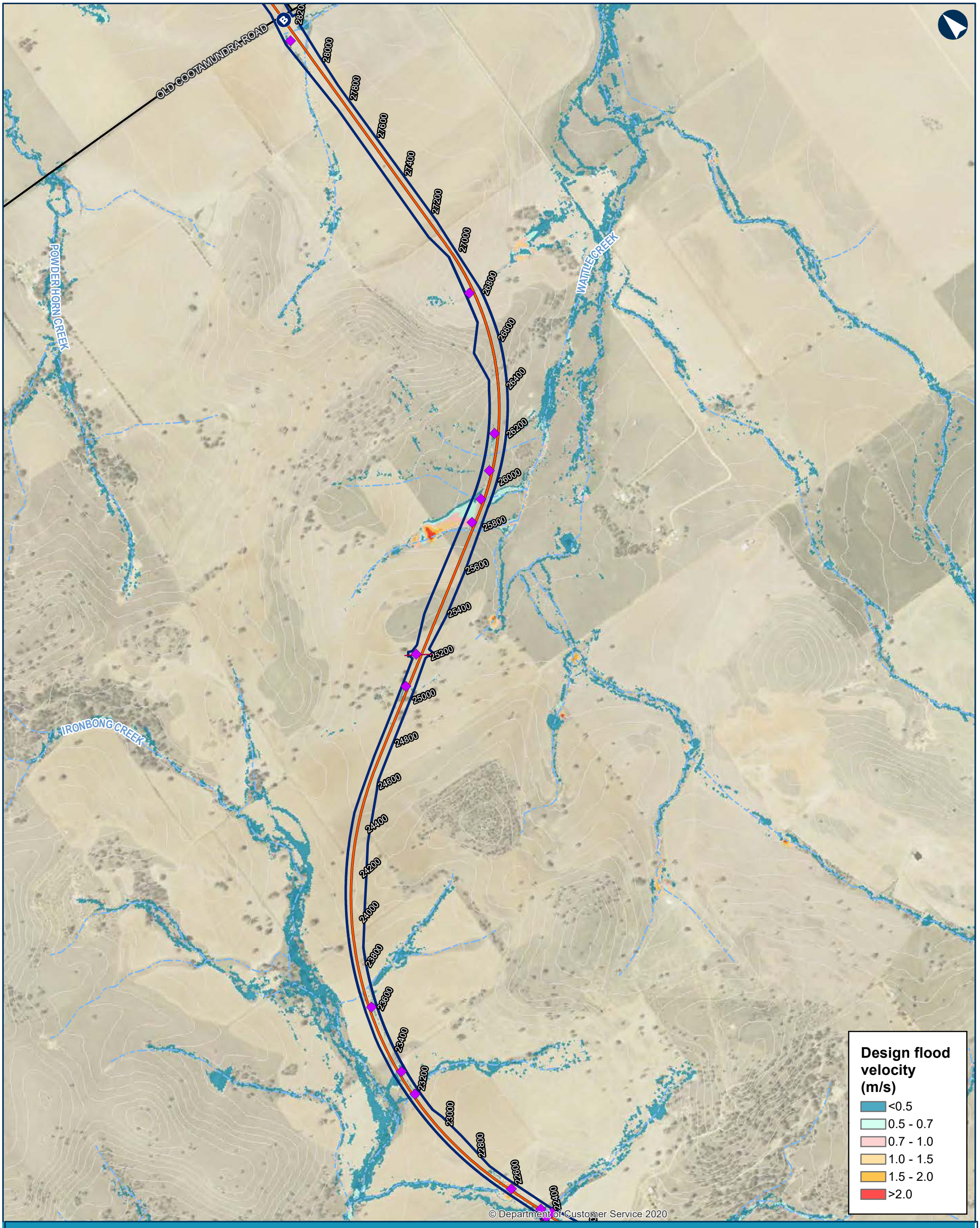

ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

Map 6 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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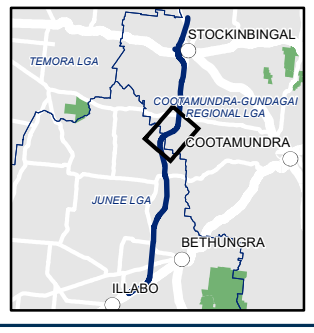

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POWDER HORN CREEK

OLD COOTAMUNDRA ROAD

32800
32600
32400
32200
32000
31800
31600
31400
31200
31000
30800
30600
30400
30200
30000
29800
29600
29400
29200
29000
28800
28600
28400
28200
28000
27800
27600

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

0 200 400 Metres

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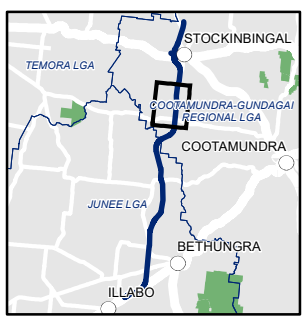

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COOTAMUNDRA LAKE CARGELLIGO RAILWAY
DUDAUMAN CREEK
GROGAN ROAD
CAMBRIA STREET
BRITANNIA STREET
HOSKINS STREET
WOOD STREET
MARTIN STREET
ELLWOOD STREET
HIBERNIA STREET
TROY STREET
DUDAUMAN STREET
BLAND CREEK
BURLEY GRIFFIN WAY
TEMORA STREET
38200
38000
37800
37600
37400
37200
37000
36800
36600
36400
36200
36000
35800
35600
35400
35200
35000
34800
34600
34400
34200
34000
33800
33600
33400
33200
33000
32800
DUDAUMAN ROAD
POWDERHORN CREEK
CORBYS LANE

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

0 200 400 Metres

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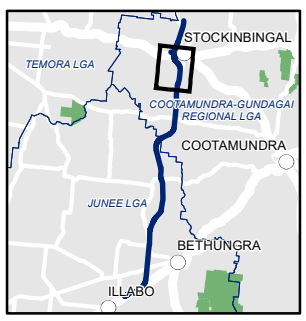

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ILLABO TO STOCKINBINGAL 0.2EY Flood Design Velocity

Map 9 of 9

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL PARKES RAILWAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
NOONANS CREEK
BLAND CREEK
RACECOURSE LANE
CROGAN ROAD
O'BRIEN STREET
CAMBRIA STREET
BRITANNIA STREET
HOSKINS STREET
ELLWOOD STREET
WOOD STREET
MARTIN STREET
HIBERNIA STREET
DUDAUMAN STREET
DUDAUMAN CREEK
TROY STREET
TEMORA STREET
POWDERHORN CREEK
DUDAUMAN ROAD
COOTAMUNDRA LAKE CARGELLIGO RAILWAY
BURLEY GRIFFIN WAY

41800 41600 41400 41200 41000 40800 40600 40400 40200 40000 39800 39600 39400 39200 39000 38800 38600 38400 38200 38000 37800 37600 37400 37200 37000 36800 36600

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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- Culvert
- 5m Contours
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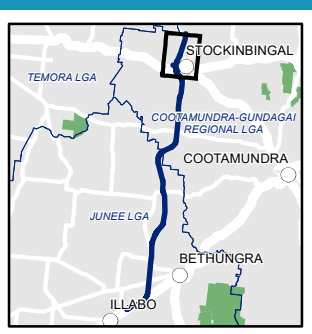
- Sub-arterial road
- Arterial road



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OLD SYDNEY ROAD

BILLABONG CREEK

WARRENS LANE

WALBRIDGE LANE

MAIN SOUTHERN RAILWAY

OLYMPIC HIGHWAY

5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

0 200 400 Metres

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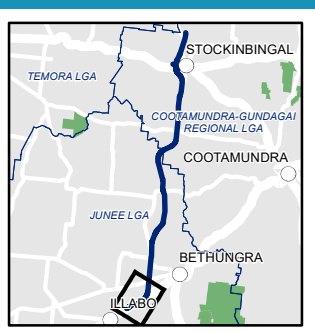

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EULOMO SETTLEMENT ROAD

ULANDRA CREEK

IRONBONG ROAD

OLD SYDNEY ROAD

9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

Map 2 of 9

0 200 400 Metres

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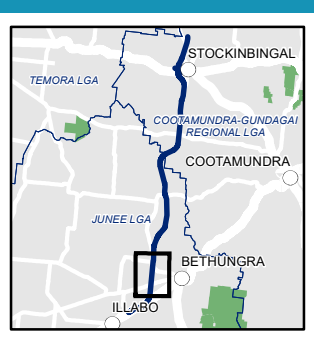

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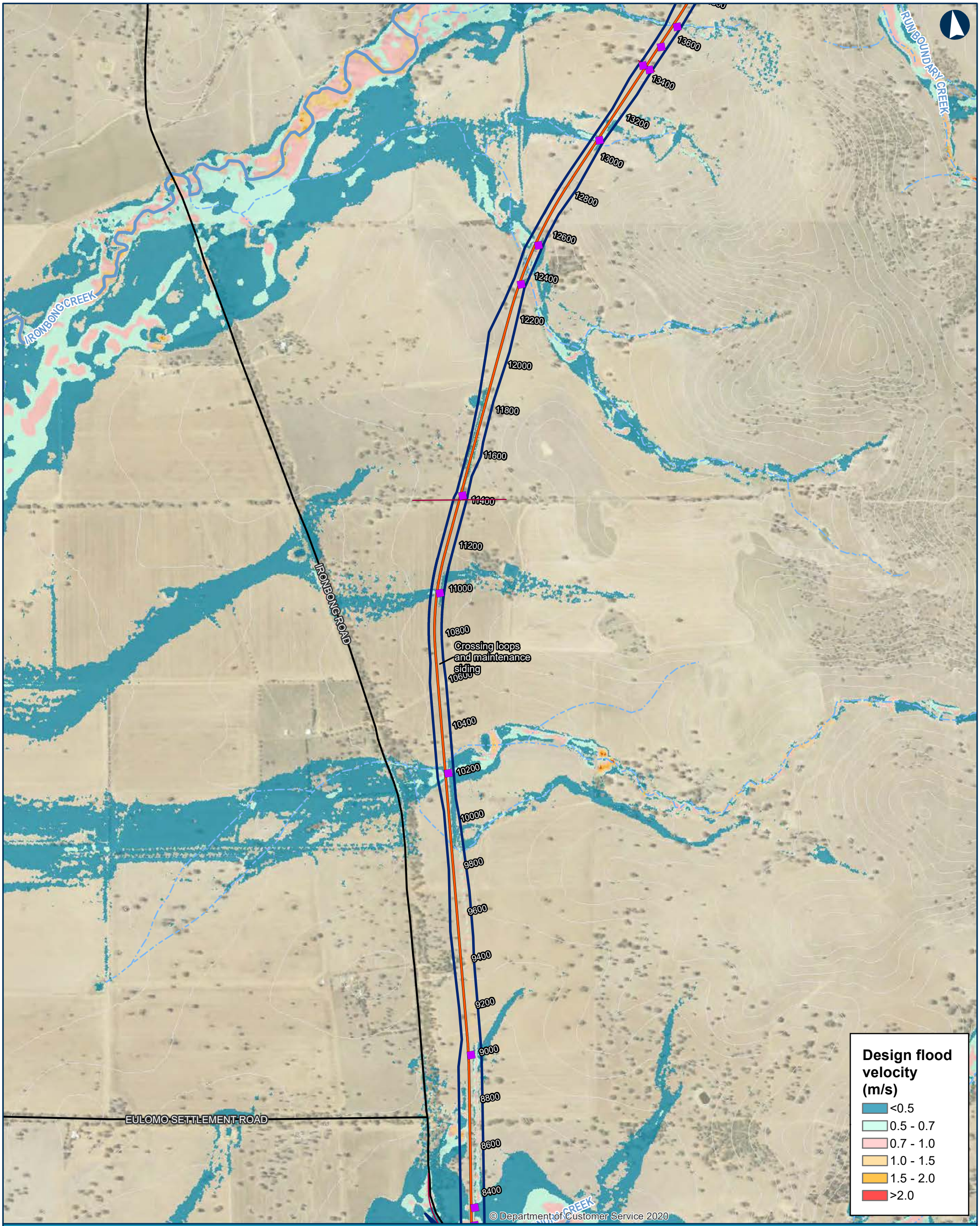

ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

Map 3 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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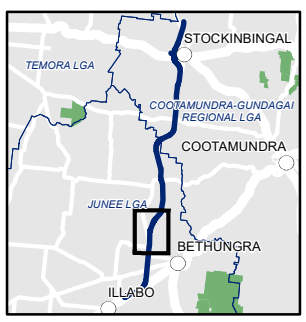

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DIRNASEER ROAD
IRONBONG CREEK
IRONBONG ROAD
HICKS LANE
RUN BOUNDARY CREEK
18000
17800
17600
17400
17200
17000
16800
16600
16400
16200
16000
15800
15600
15400
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
13200
13000

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

0 200 400 Metres

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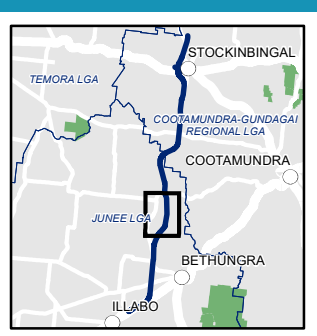

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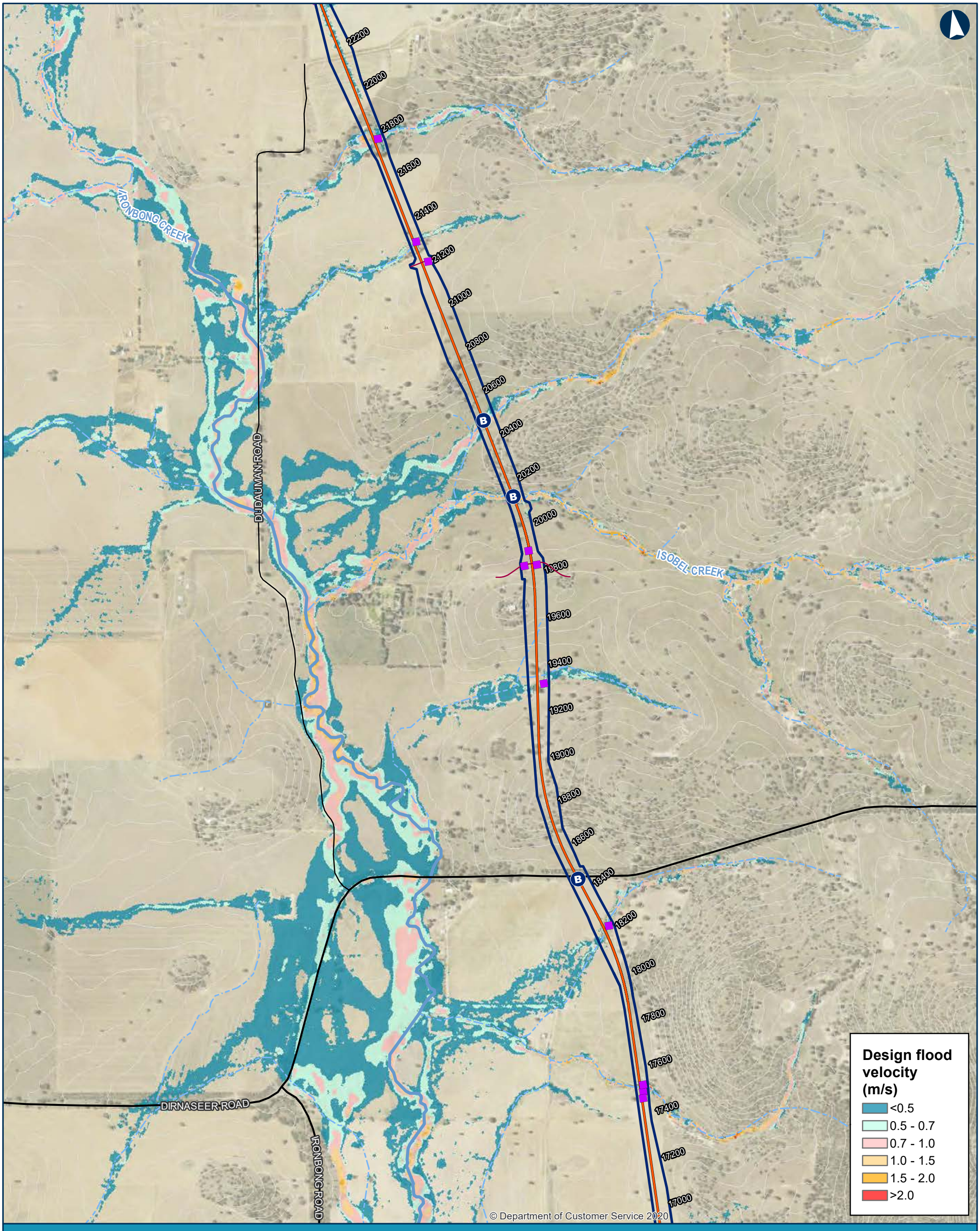

ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

Map 5 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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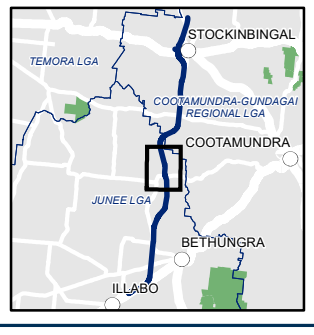

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OLD COOTAMUNDRA ROAD

POWDER HORN CREEK

WATTLE CREEK

IRONBONG CREEK

28200
28000
27800
27600
27400
27200
27000
26800
26600
26400
26200
26000
25800
25600
25400
25200
25000
24800
24600
24400
24200
24000
23800
23600
23400
23200
23000
22800
22600
22400

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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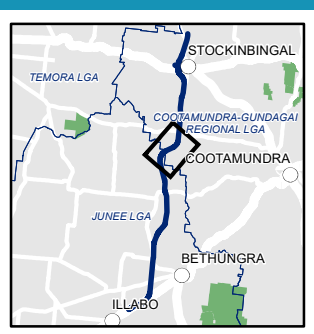

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POWDER HORN CREEK

OLD COOTAMUNDRA ROAD

32800
32600
32400
32200
32000
31800
31600
31400
31200
31000
30800
30600
30400
30200
30000
29800
29600
29400
29200
29000
28800
28600
28400
28200
28000
27800
27600

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

0 200 400 Metres

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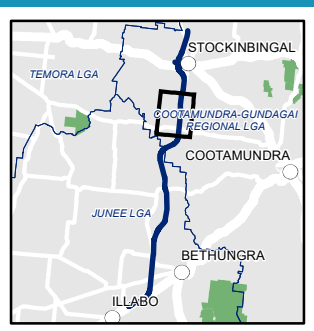

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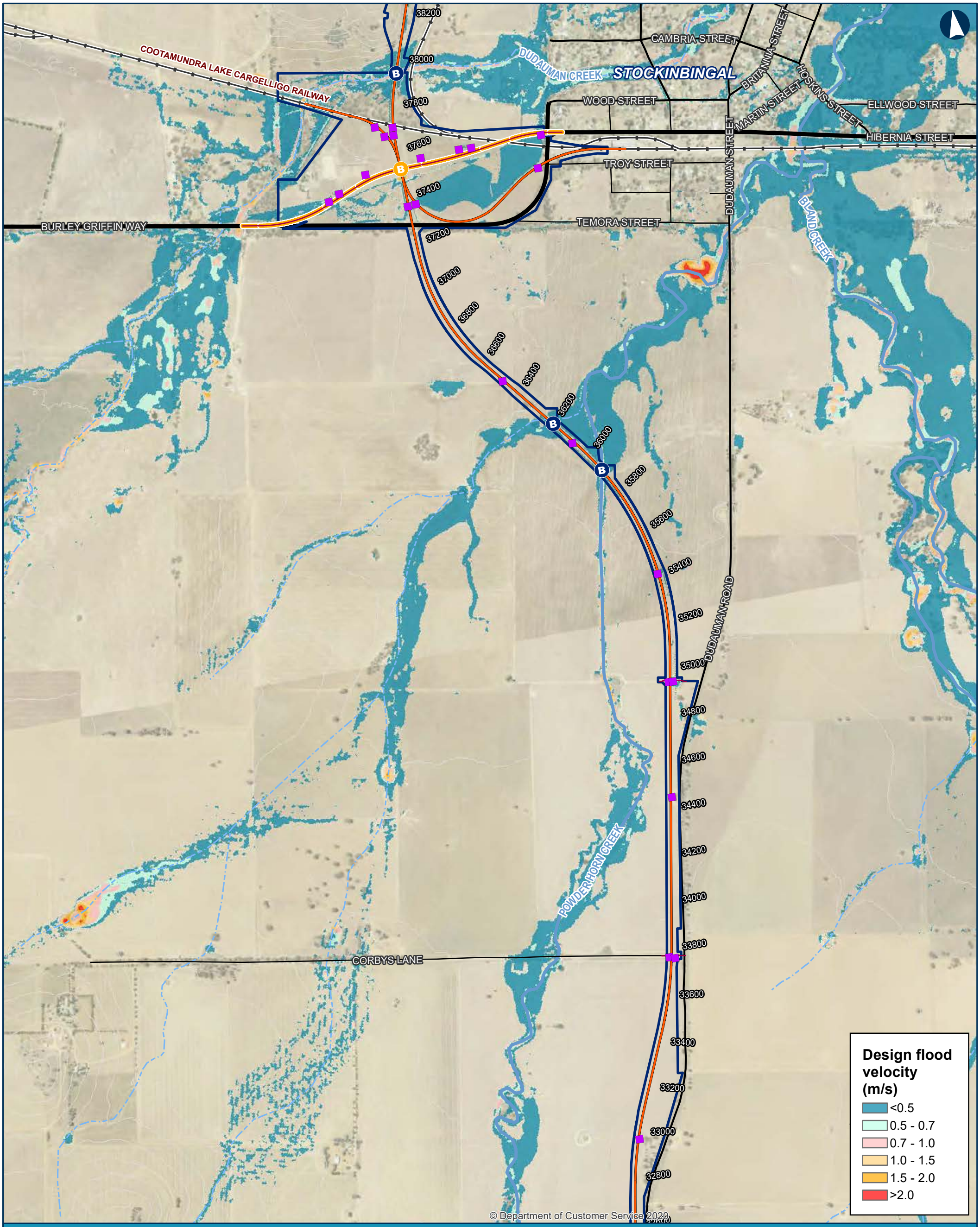

ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

Map 8 of 9

0 200 400 Metres

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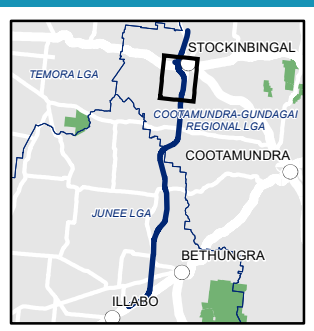

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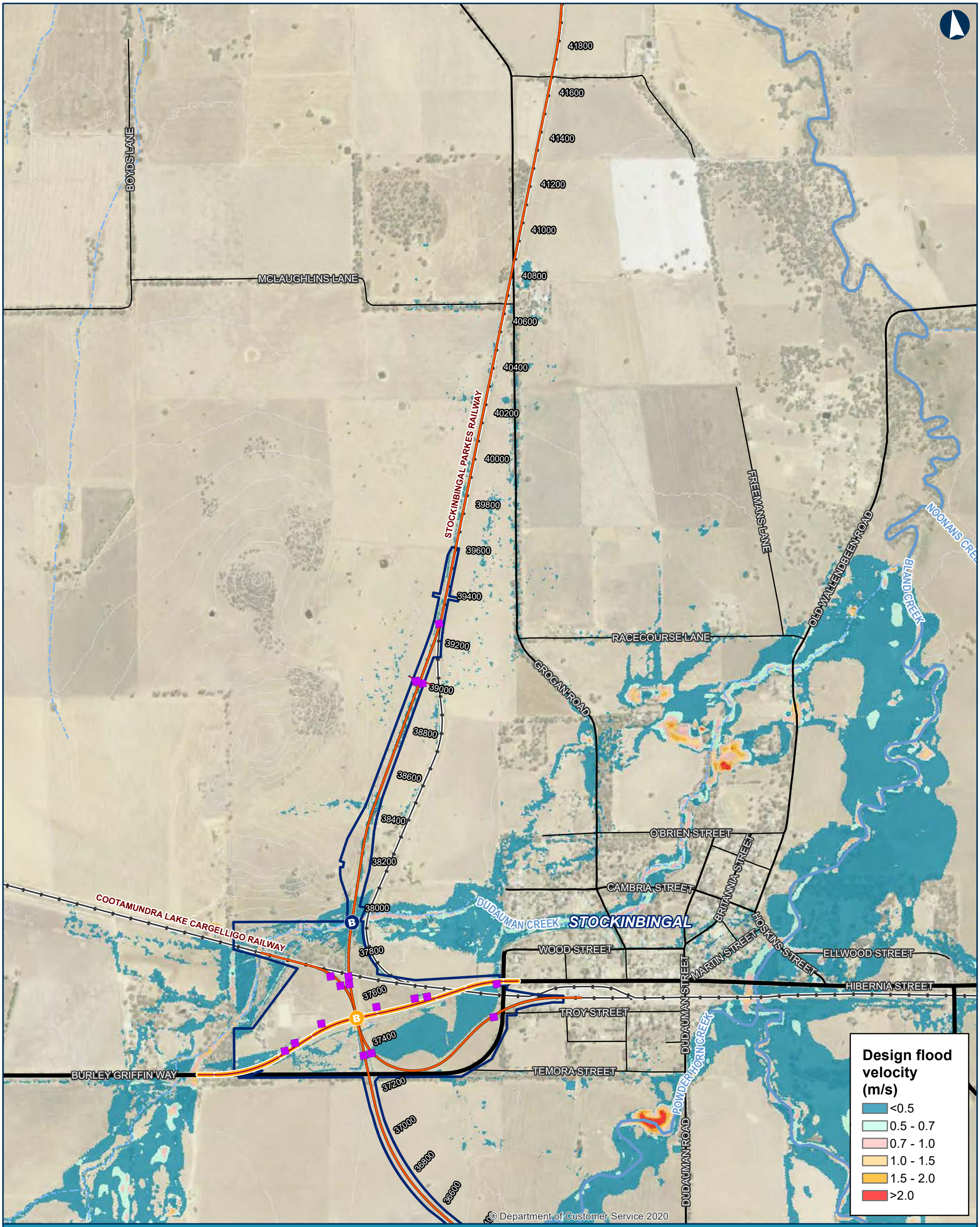

ILLABO TO STOCKINBINGAL 10% AEP Flood Design Velocity

Map 9 of 9

0 200 400 Metres

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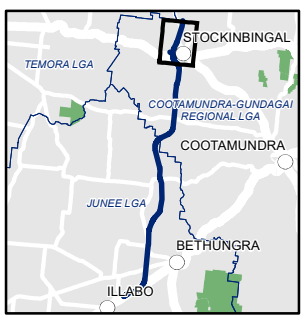

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ILLABO TO STOCKINBINGAL 5% AEP Flood Design Velocity

Map 1 of 9

OLD SYDNEY ROAD
BYLLABONG CREEK
WARRENS LANE
WALBRIDGE LANE
MAIN SOUTHERN RAILWAY
OLYMPIC HIGHWAY

5200 5000 4800 4600 4400 4200 4000 3800 3600 3400 3200 3000 2800 2600 2400 2200 2000 1800 1600 1400 1200 1000 800 600 400 200 0

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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0 200 400 Metres

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- Local road
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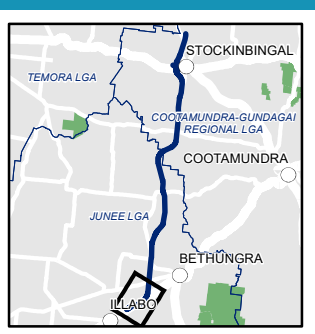
- Arterial road



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EULOMO SETTLEMENT ROAD

IRONBONG ROAD

OLD SYDNEY ROAD

ULANDRA CREEK

9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

B

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Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

ILLABO TO STOCKINBINGAL 5% AEP Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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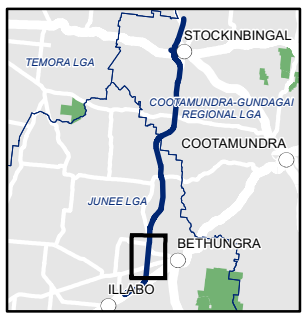

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IRONBONG CREEK

RUNBOUNDARY CREEK

IRONBONG ROAD

EULOMO SETTLEMENT ROAD

13600
13400
13200
13000
12800
12600
12400
12200
12000
11800
11600
11400
11200
11000
10800
Crossing loops and maintenance siding
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 5% AEP Flood Design Velocity

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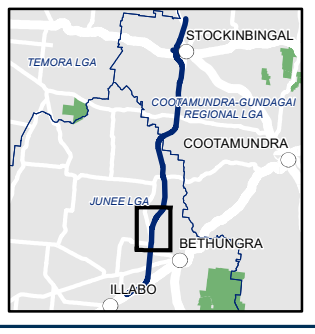

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DIRNASEER ROAD
IRONBONG CREEK
IRONBONG ROAD
HICKS LANE
RUN BOUNDARY CREEK
18000
17800
17600
17400
17200
17000
16800
16600
16400
16200
16000
15800
15600
15400
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
13200
13000

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 5% AEP Flood Design Velocity

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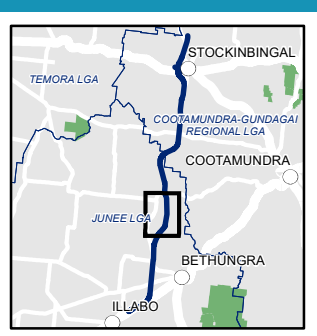

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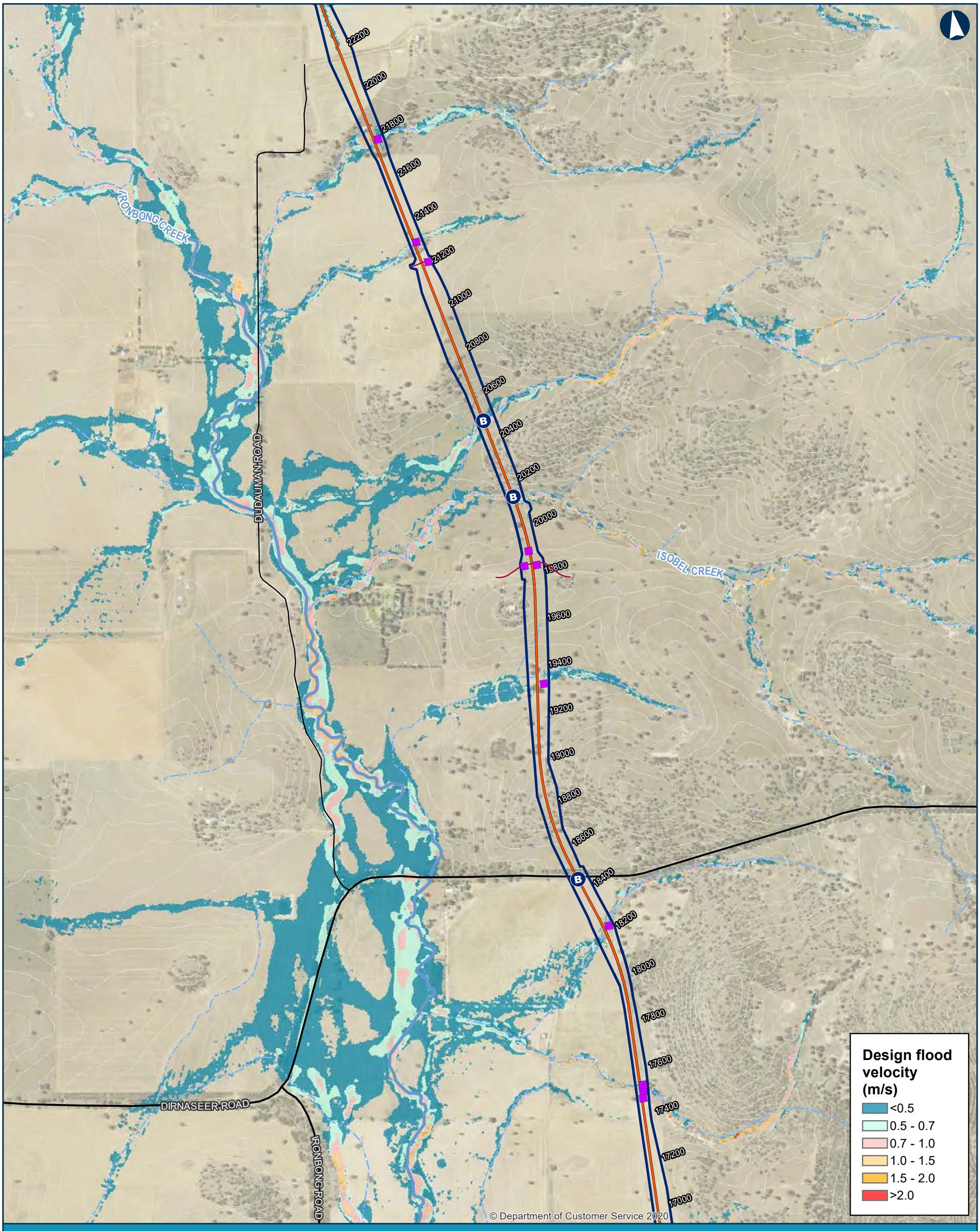

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0 200 400 Metres

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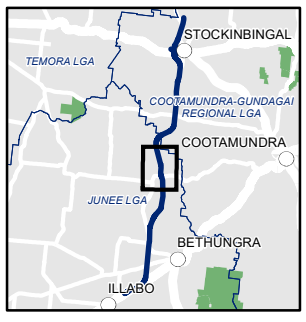

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OLD COOTAMUNDRA ROAD

POWDER HORN CREEK

WATTLE CREEK

IRONBONG CREEK

28200
28000
27800
27600
27400
27200
27000
26800
26600
26400
26200
26000
25800
25600
25400
25200
25000
24800
24600
24400
24200
24000
23800
23600
23400
23200
23000
22800
22600
22400

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 5% AEP Flood Design Velocity

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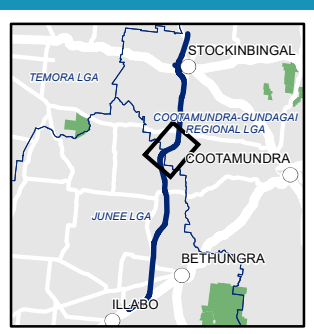

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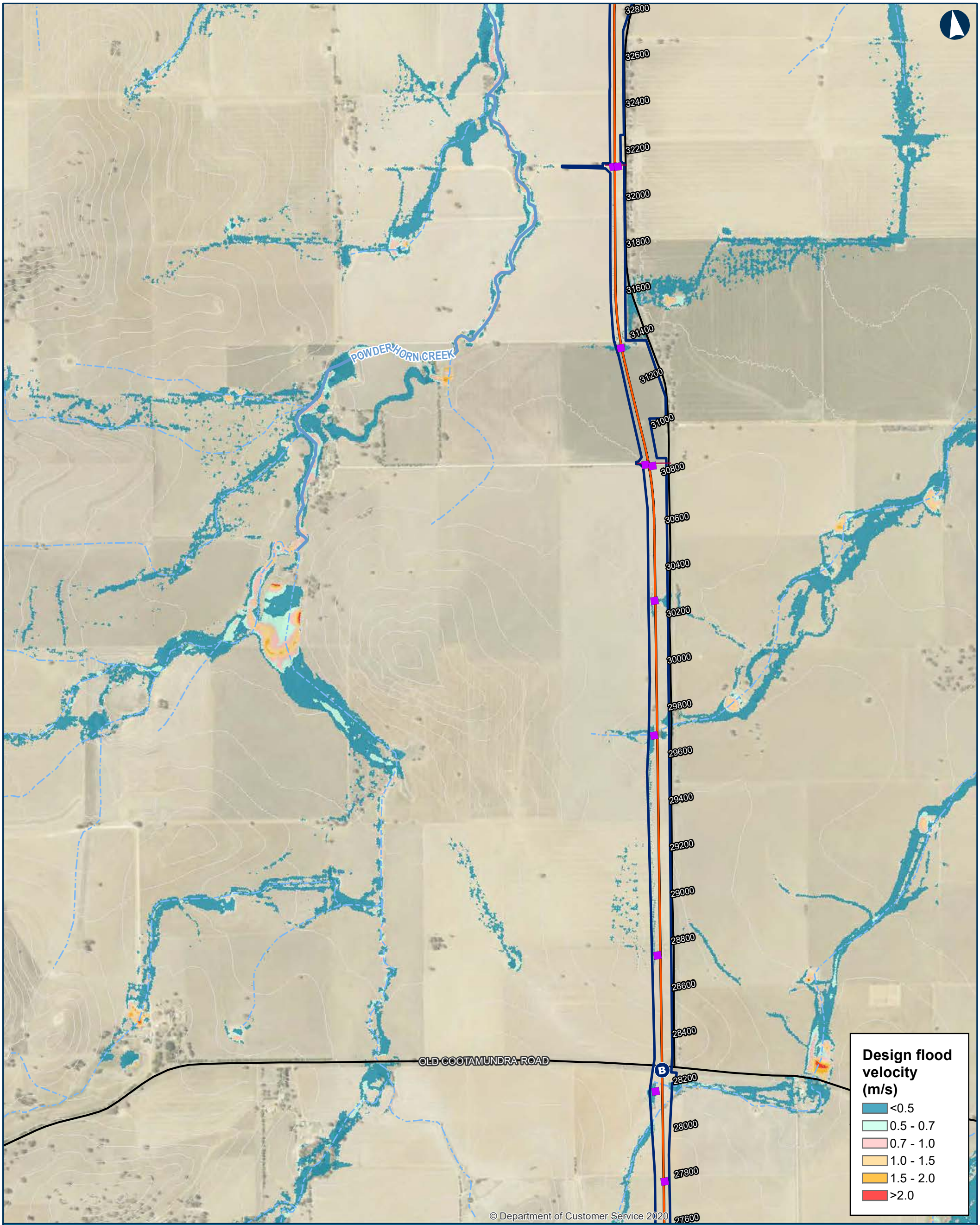

ILLABO TO STOCKINBINGAL 5% AEP Flood Design Velocity

0 200 400 Metres

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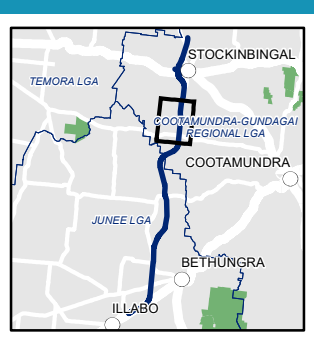

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COOTAMUNDRA LAKE CARGELLIGO RAILWAY
DUDAUMAN CREEK
STOCKINBINGAL
CAMBRIA STREET
BRITANNIA STREET
HOSKINS STREET
MARTIN STREET
WOOD STREET
ELLWOOD STREET
HIBERNIA STREET
TROY STREET
DUDAUMAN STREET
BLAND CREEK
BURLEY GRIFFIN WAY
TEMORA STREET
DUDAUMAN ROAD
POWDERHORN CREEK
CORBYS LANE
38200
38000
37800
37600
37400
37200
37000
36800
36600
36400
36200
36000
35800
35600
35400
35200
35000
34800
34600
34400
34200
34000
33800
33600
33400
33200
33000
32800

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 5% AEP Flood Design Velocity

0 200 400 Metres

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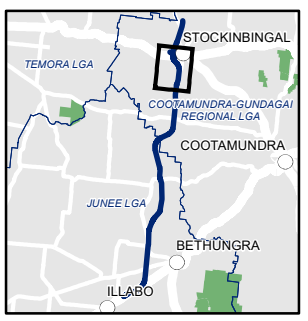

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ILLABO TO STOCKINBINGAL 5% AEP Flood Design Velocity

Map 9 of 9

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL PARKES RAILWAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
NOONANS CREEK
BLANDI CREEK
RACECOURSE LANE
GROGAN ROAD
O'BRIEN STREET
BRITANNIA STREET
CAMBRIA STREET
HOSKINS STREET
DUDAUMAN CREEK
STOCKINBINGAL
WOOD STREET
MARTIN STREET
ELLWOOD STREET
HIBERNIA STREET
TROY STREET
DUDAUMAN ROAD
DUDAUMAN CREEK
POWDERHORN CREEK
TEMORA STREET
BURLEY GRIFFIN WAY
COOTAMUNDRA LAKE CARGELLIGO RAILWAY

41800 41600 41400 41200 41000 40800 40600 40400 40200 40000 39800 39600 39400 39200 39000 38800 38600 38400 38200 38000 37800 37600 37400 37200 37000 36800 36600

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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0 200 400 Metres

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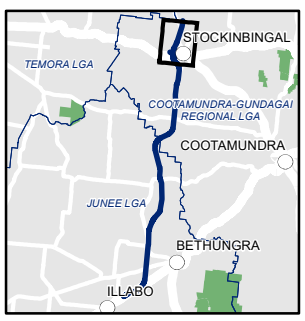

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OLD SYDNEY ROAD

BILLABONG CREEK

WARRENS LANE

WALBRIDGE LANE

MAIN SOUTHERN RAILWAY

OLYMPIC HIGHWAY

5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 2% AEP Flood Design Velocity

0 200 400 Metres

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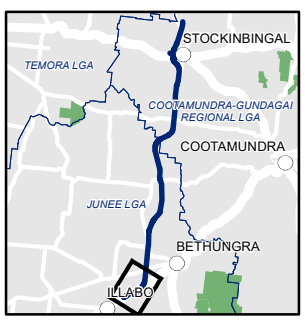

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EULOMO SETTLEMENT ROAD

IRONBONG ROAD

OLD SYDNEY ROAD

ULANDRA CREEK

9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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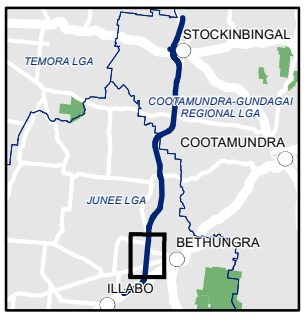

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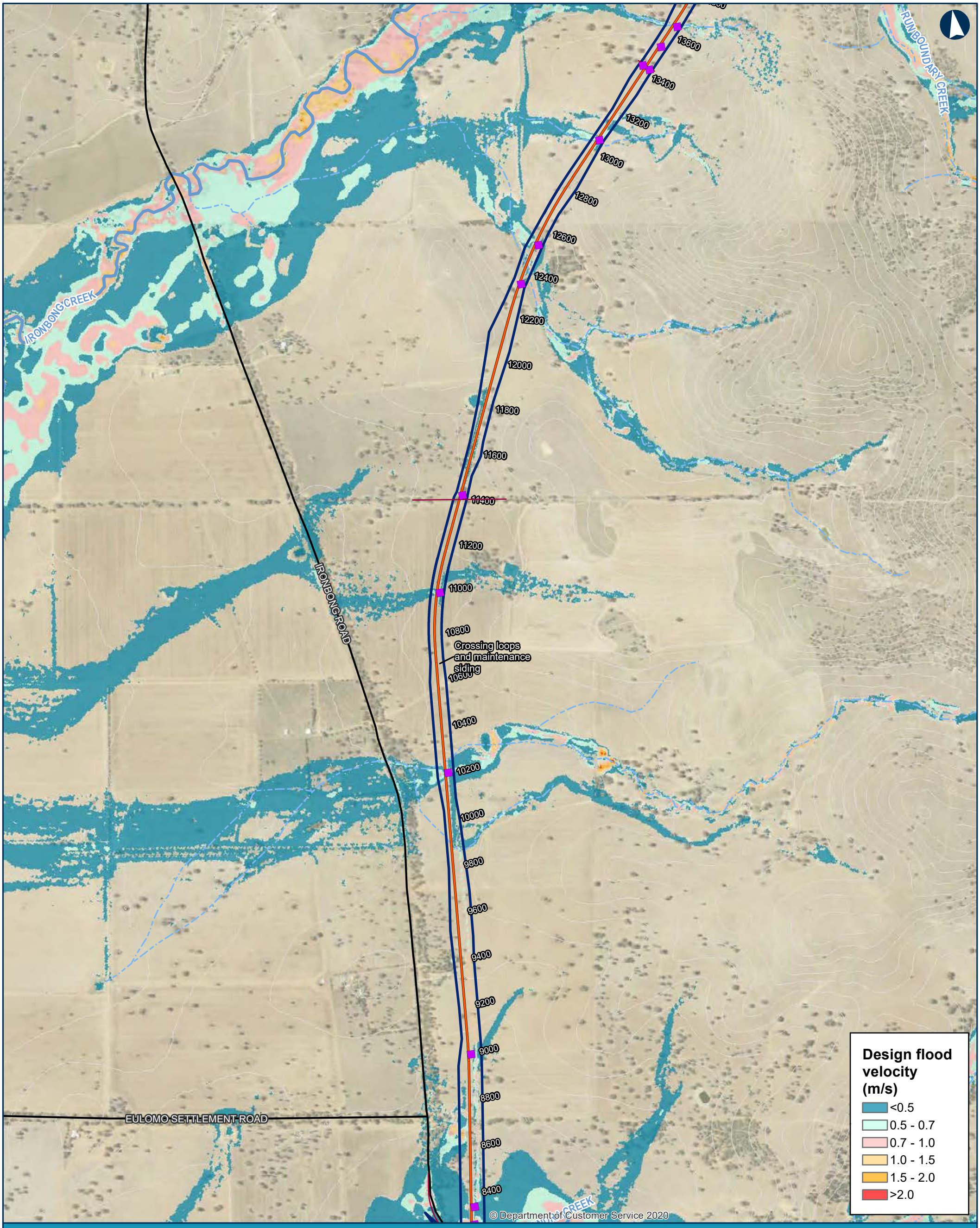

ILLABO TO STOCKINBINGAL 2% AEP Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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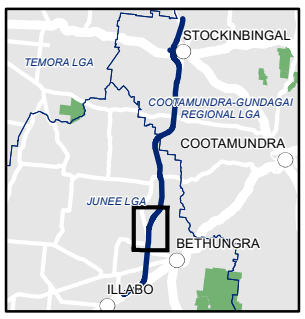

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DIRNASEER ROAD
IRONBONG ROAD
HICKS LANE
IRONBONG CREEK
RUN BOUNDARY CREEK
18000
17800
17600
17400
17200
17000
16800
16600
16400
16200
16000
15800
15600
15400
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
13200
13000

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 2% AEP Flood Design Velocity

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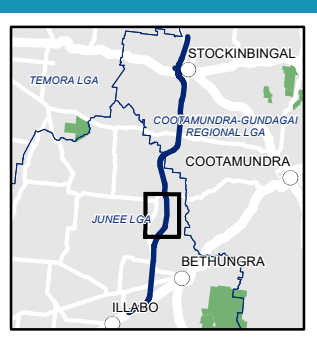

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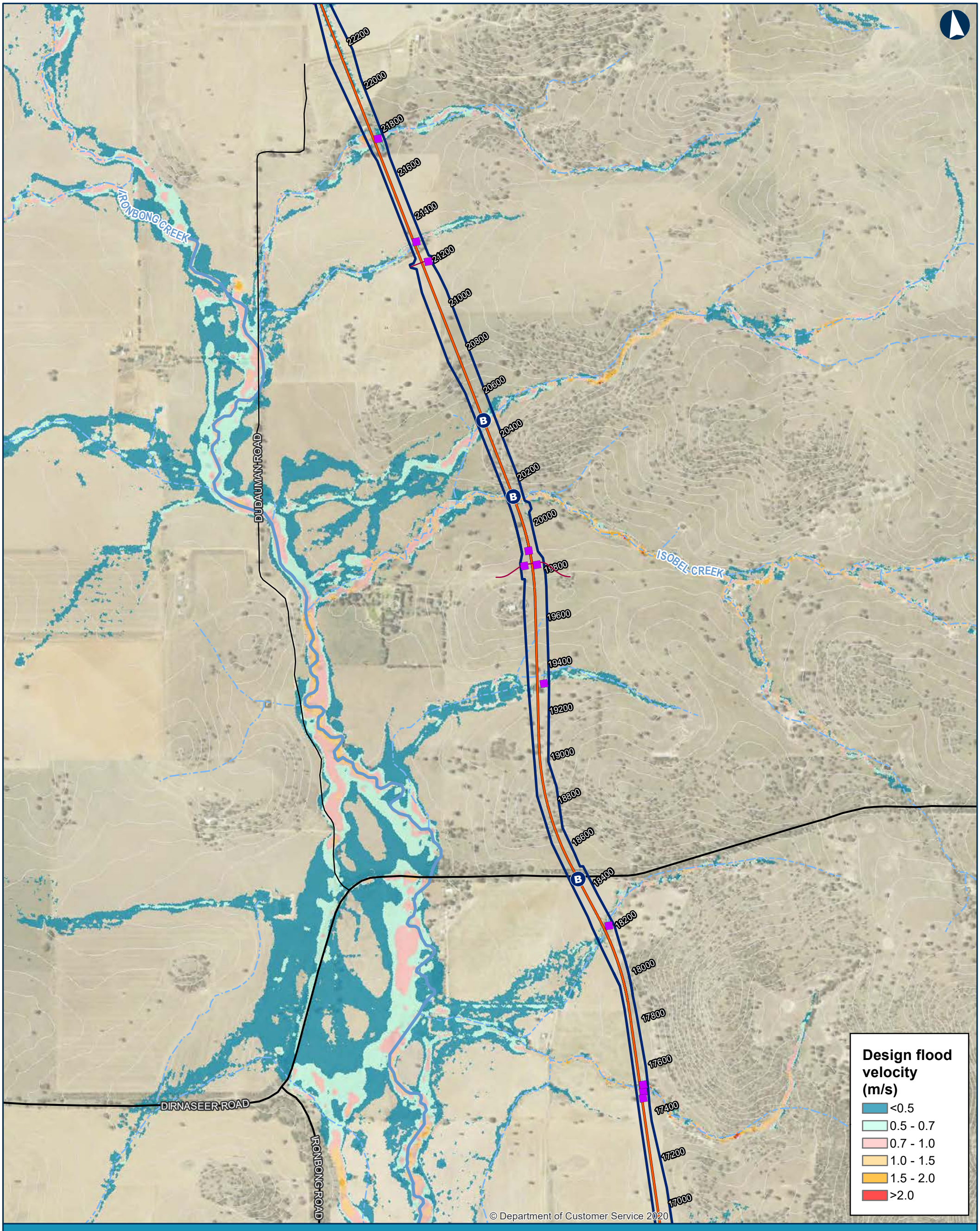

ILLABO TO STOCKINBINGAL 2% AEP Flood Design Velocity

Map 5 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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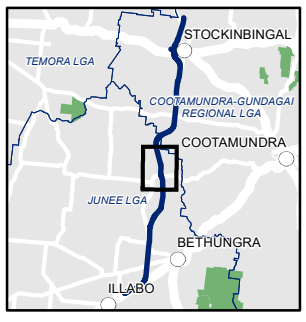

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OLD COOTAMUNDRA ROAD

POWDER HORN CREEK

WATTLE CREEK

IRONBONG CREEK

28200
28000
27800
27600
27400
27200
27000
26800
26600
26400
26200
26000
25800
25600
25400
25200
25000
24800
24600
24400
24200
24000
23800
23600
23400
23200
23000
22800
22600
22400

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 2% AEP Flood Design Velocity

0 200 400 Metres

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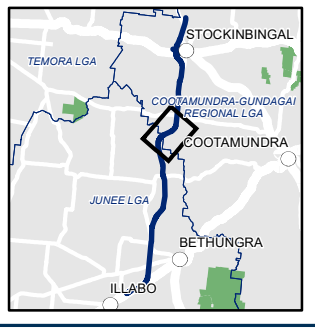

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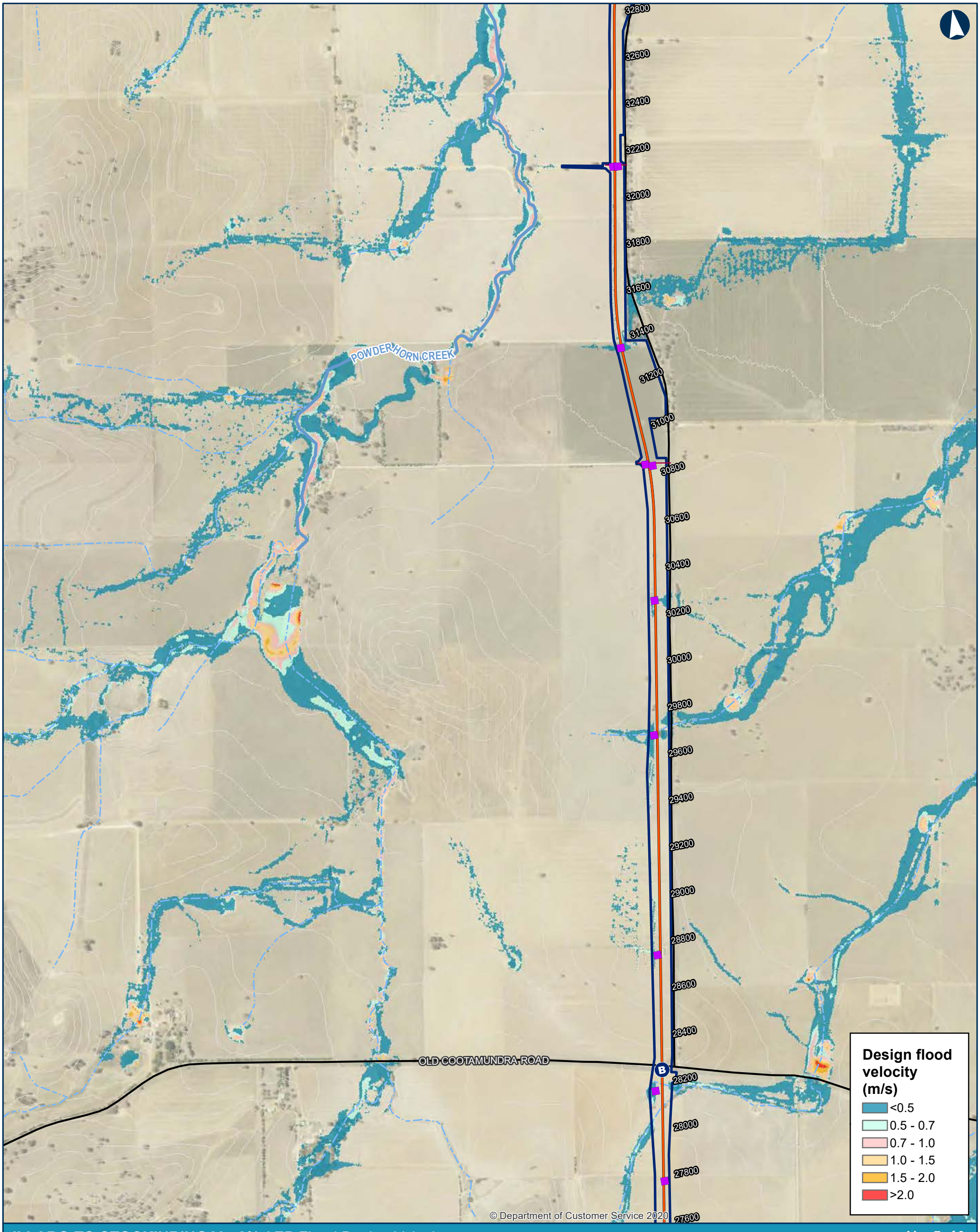

ILLABO TO STOCKINBINGAL 2% AEP Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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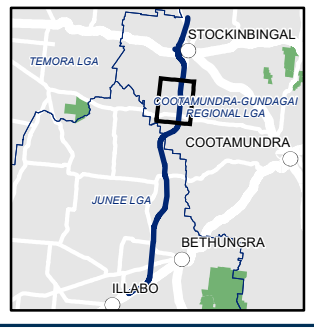

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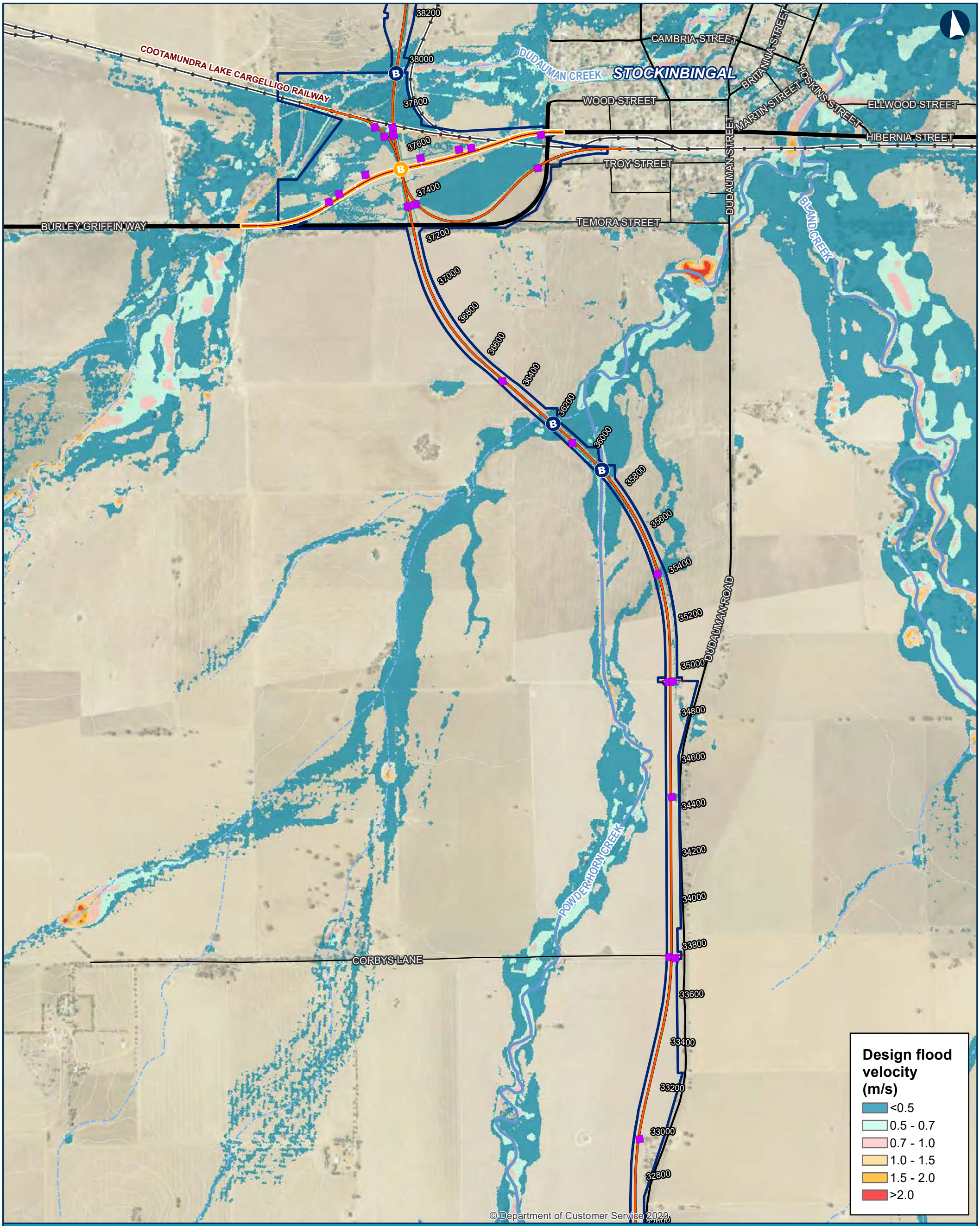

ILLABO TO STOCKINBINGAL 2% AEP Flood Design Velocity

0 200 400 Metres

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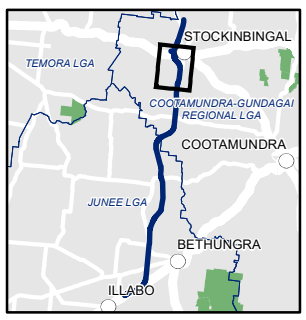

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ILLABO TO STOCKINBINGAL 2% AEP Flood Design Velocity

Map 9 of 9

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL PARKES RAILWAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
NOONANS CREEK
BLAND CREEK
RACECOURSE LANE
GROGAN ROAD
O'BRIEN STREET
BRITANNIA STREET
CAMBRIA STREET
HOSKINS STREET
MARTIN STREET
WOOD STREET
ELLWOOD STREET
HIBERNIA STREET
TROY STREET
DUDAUMAN CREEK
DUDAUMAN ROAD
POWDERHORN CREEK
TEMORA STREET
BURLEY GRIFFIN WAY
COOTAMUNDRA LAKE CARGELLIGO RAILWAY
STOCKINBINGAL
41800
41600
41400
41200
41000
40800
40600
40400
40200
40000
39800
39600
39400
39200
39000
38800
38600
38400
38200
38000
37800
37600
37400
37200
37000
36800
36600

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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0 200 400 Metres

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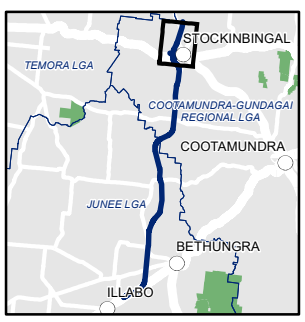

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OLD SYDNEY ROAD

BYLLABONG CREEK

MAIN SOUTHERN RAILWAY

OLYMPIC HIGHWAY

WALBRIDGE LANE

WARRENS LANE

5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 1% AEP Flood Design Velocity

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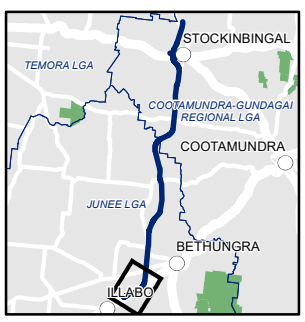

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EULOMO SETTLEMENT ROAD

ULANDRA CREEK

IRONBONG ROAD

OLD SYDNEY ROAD

9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
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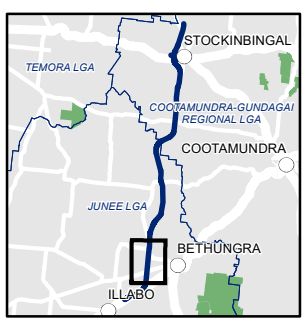

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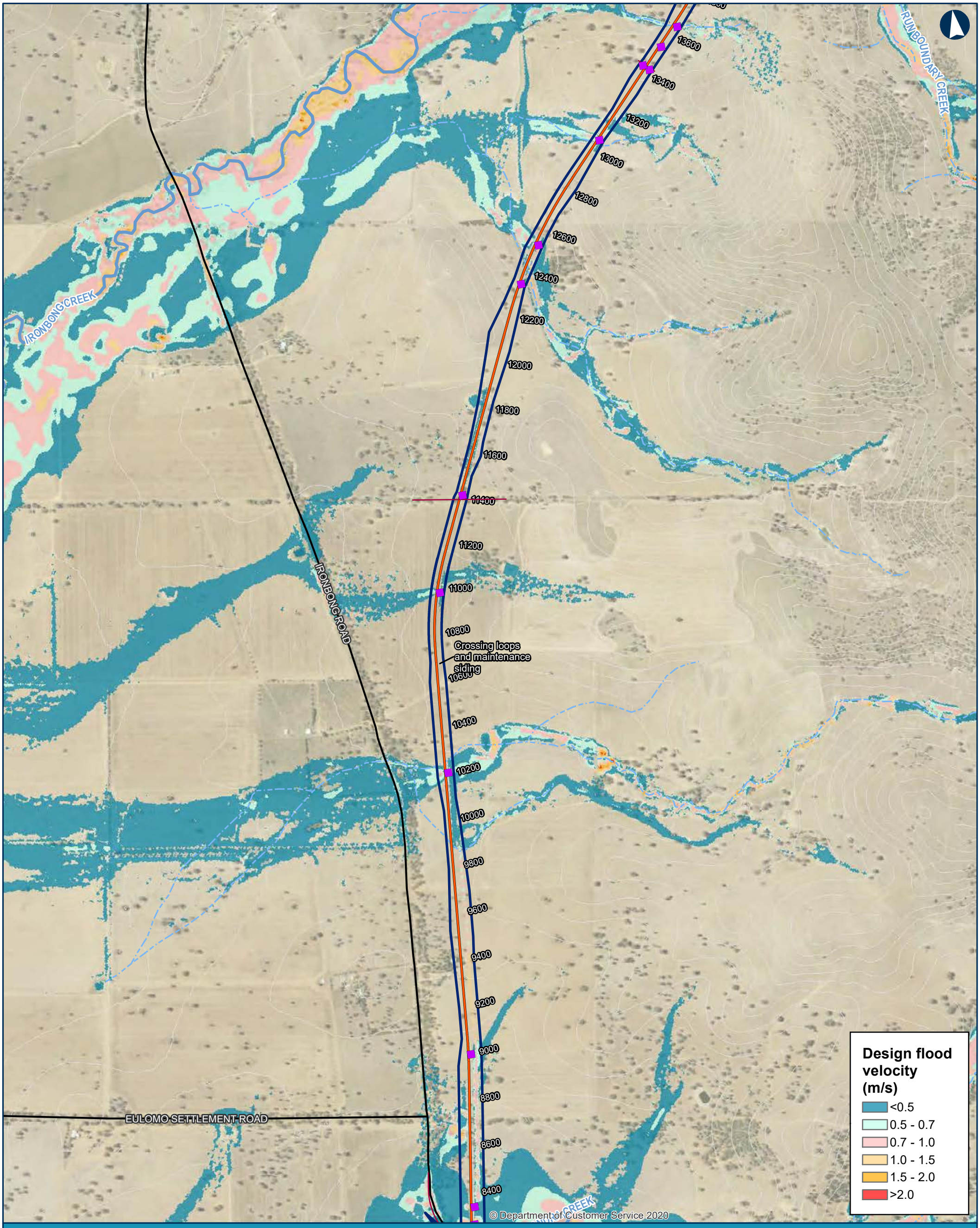

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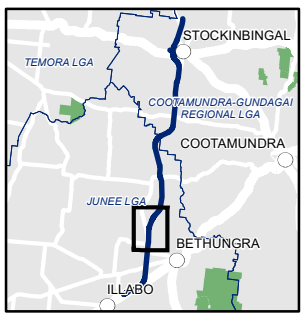

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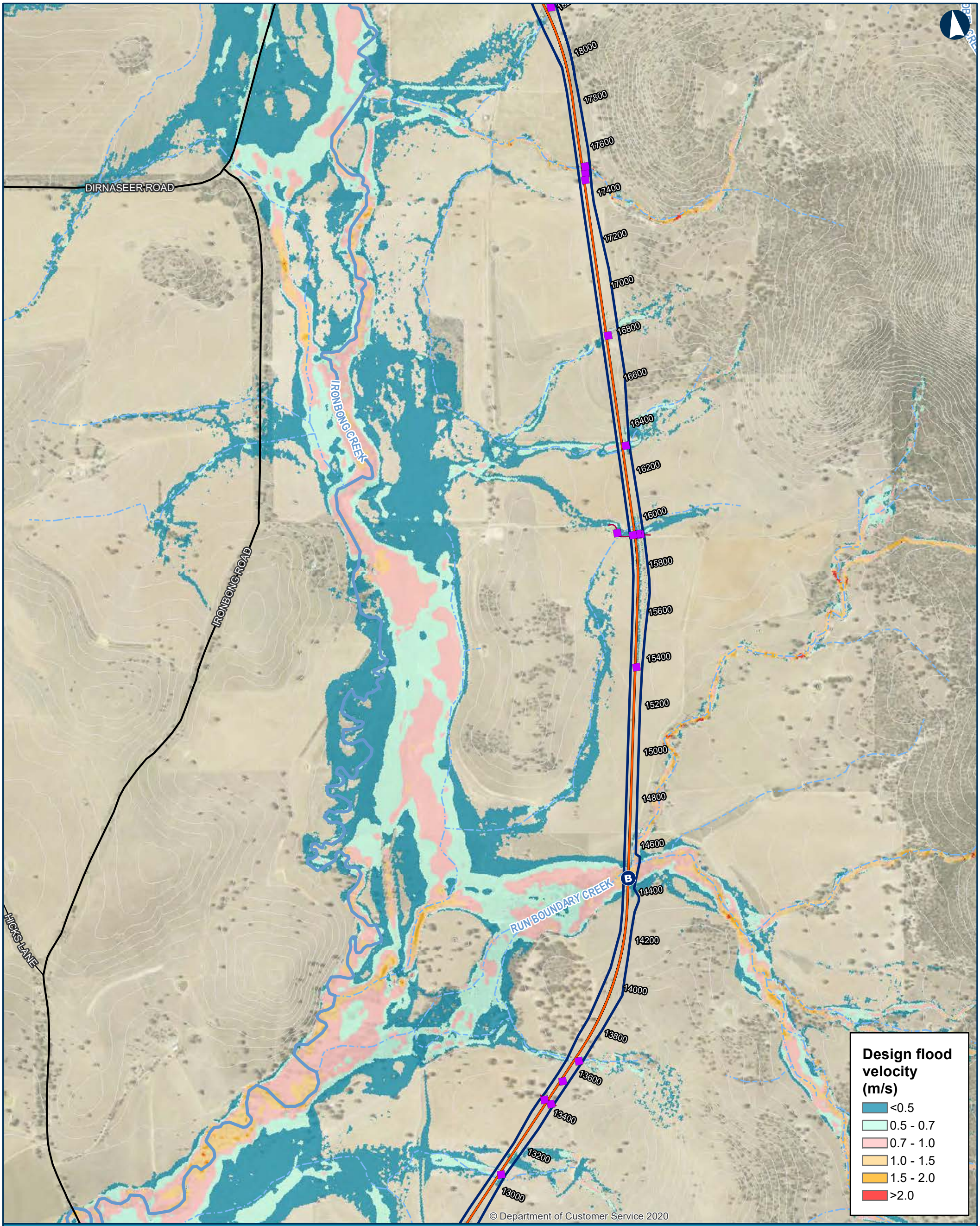

ILLABO TO STOCKINBINGAL 1% AEP Flood Design Velocity

Map 4 of 9

0 200 400 Metres

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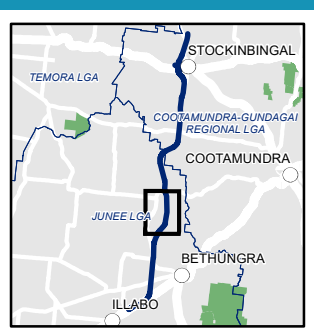

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IRONBONG CREEK
DUBAUMAN ROAD
ISOBEL CREEK
DIRNASEER ROAD
IRONBONG ROAD
22200
22000
21800
21600
21400
21200
21000
20800
20600
20400
20200
20000
19800
19600
19400
19200
19000
18800
18600
18400
18200
18000
17800
17600
17400
17200
17000

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 1% AEP Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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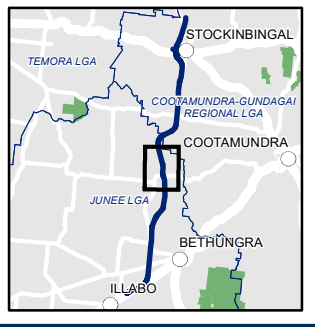

INLAND RAIL ARTC

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OLD COOTAMUNDRA ROAD

POWDER HORN CREEK

WATTLE CREEK

IRONBONG CREEK

28200
28000
27800
27600
27400
27200
27000
26800
26600
26400
26200
26000
25800
25600
25400
25200
25000
24800
24600
24400
24200
24000
23800
23600
23400
23200
23000
22800
22600
22400

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 1% AEP Flood Design Velocity

0 200 400 Metres

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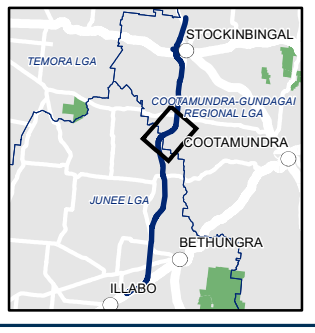

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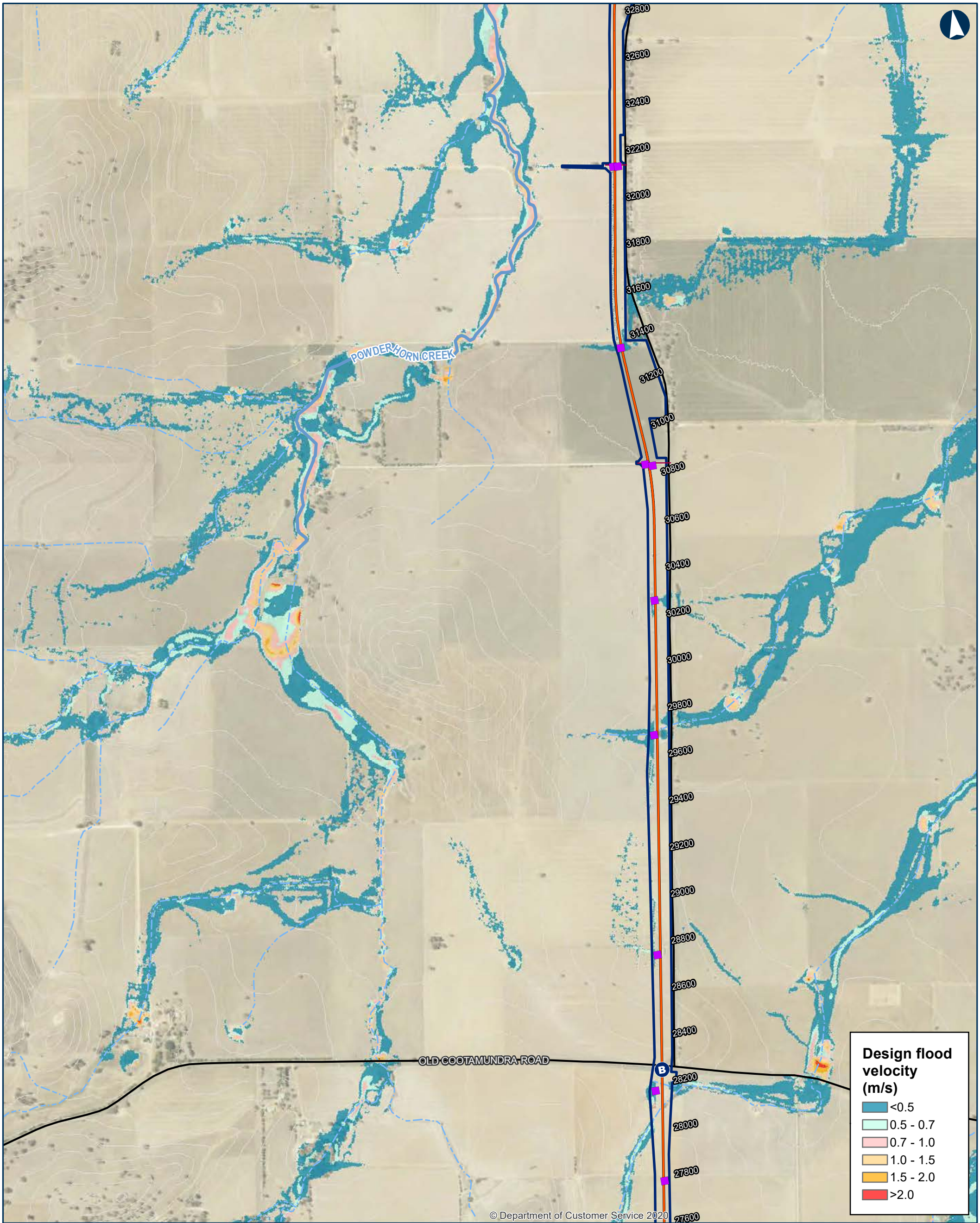

ILLABO TO STOCKINBINGAL 1% AEP Flood Design Velocity

0 200 400 Metres

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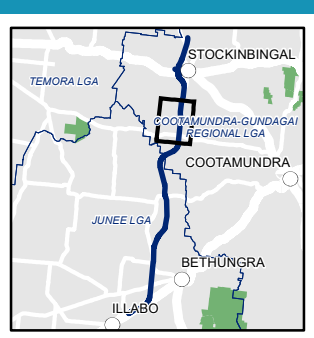

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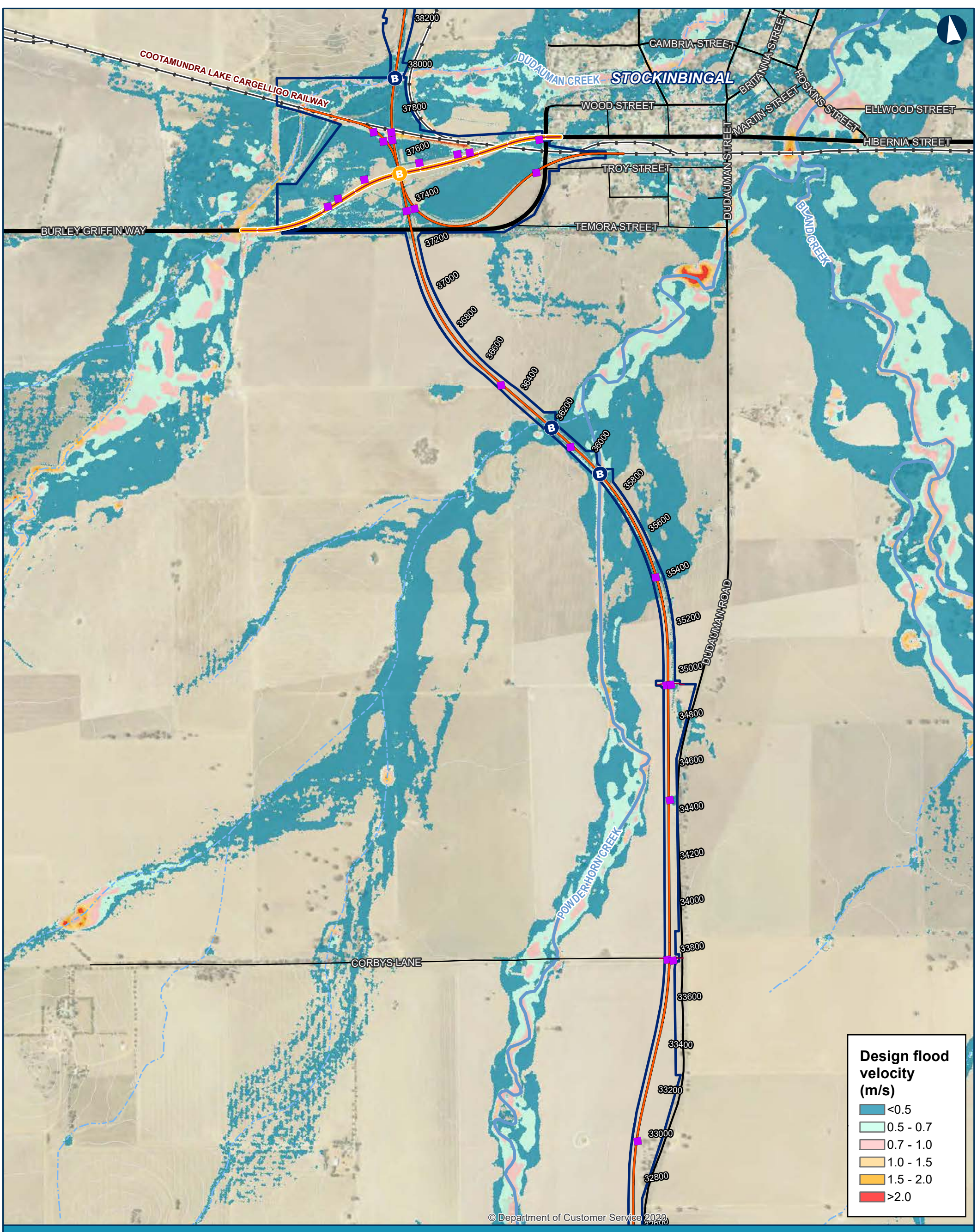

ILLABO TO STOCKINBINGAL 1% AEP Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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- Overbridge
- Underbridge
- Culvert
- 5m Contours
- Existing rail
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- Major watercourse (Strahler SO 4-6)
- Local road
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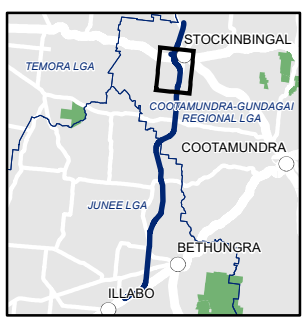
- Arterial road



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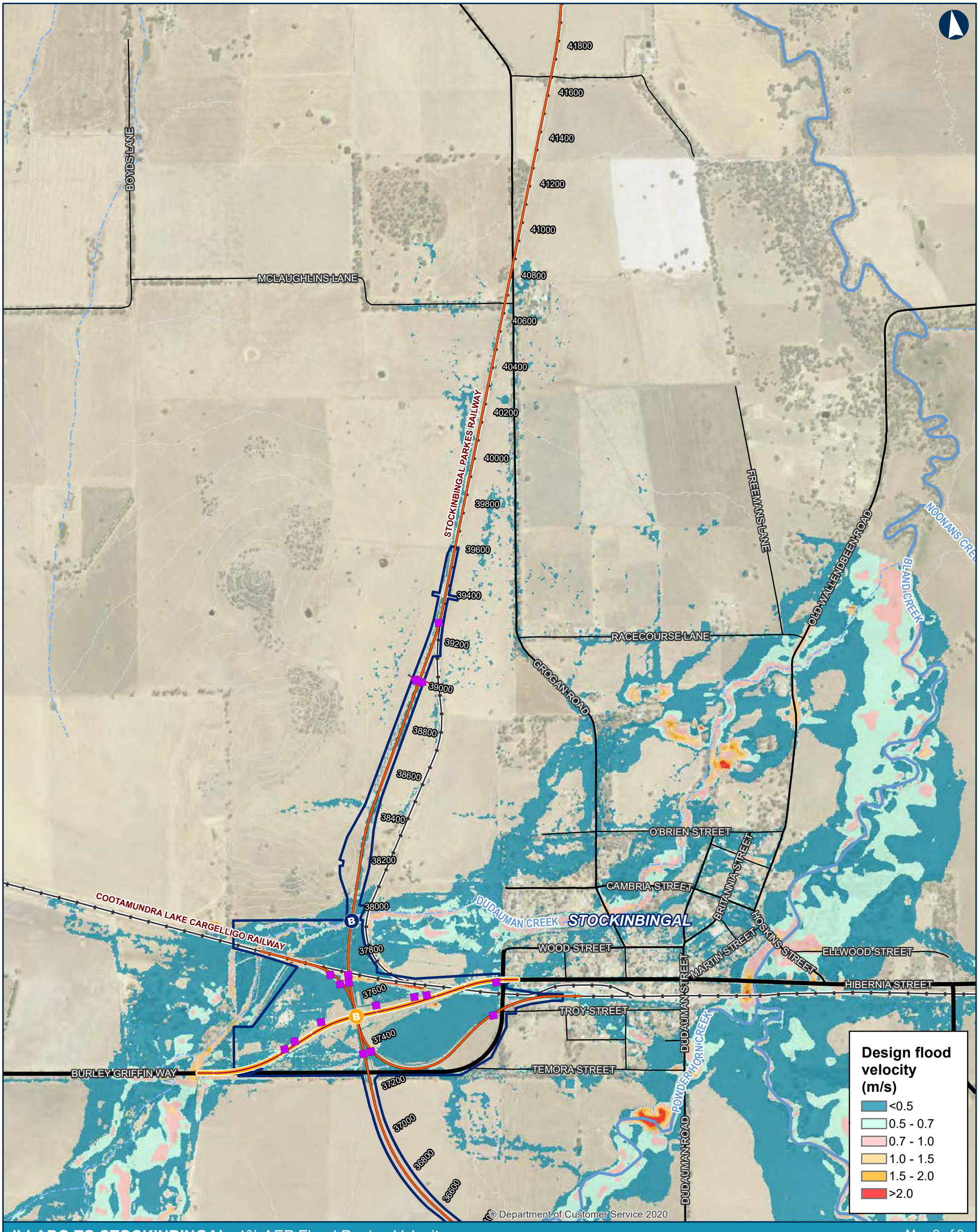

ILLABO TO STOCKINBINGAL 1% AEP Flood Design Velocity

Map 9 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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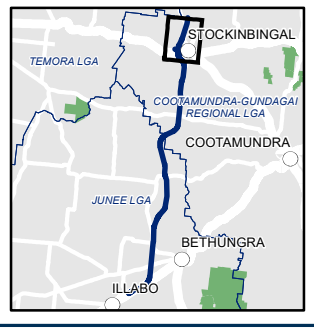

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OLD SYDNEY ROAD
BILLABONG CREEK
WARRENS LANE
WALBRIDGE LANE
MAIN SOUTHERN RAILWAY
OLYMPIC HIGHWAY
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
B

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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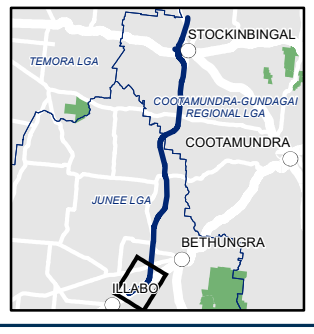

INLAND RAIL ARTC

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EULOMO SETTLEMENT ROAD

ULANDRA CREEK

IRONBONG ROAD

OLD SYDNEY ROAD

9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

0 200 400 Metres

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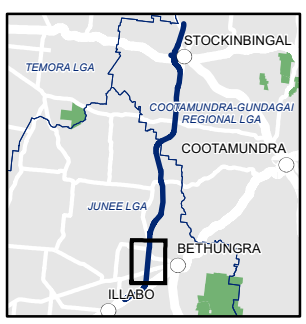

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IRONBONG CREEK

RUNBOUNDARY CREEK

IRONBONG ROAD

EULOMO SETTLEMENT ROAD

13600
13400
13200
13000
12800
12600
12400
12200
12000
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400

Crossing loops and maintenance siding

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

0 200 400 Metres

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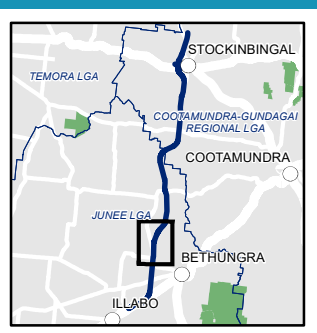

INLAND RAIL

ARTC

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DIRNASEER ROAD
IRONBONG CREEK
IRONBONG ROAD
HICKS LANE
RUN BOUNDARY CREEK
B
18000
17800
17600
17400
17200
17000
16800
16600
16400
16200
16000
15800
15600
15400
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
13200
13000

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

0 200 400 Metres

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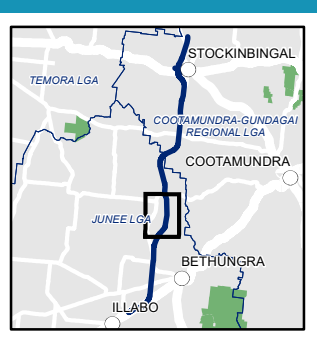

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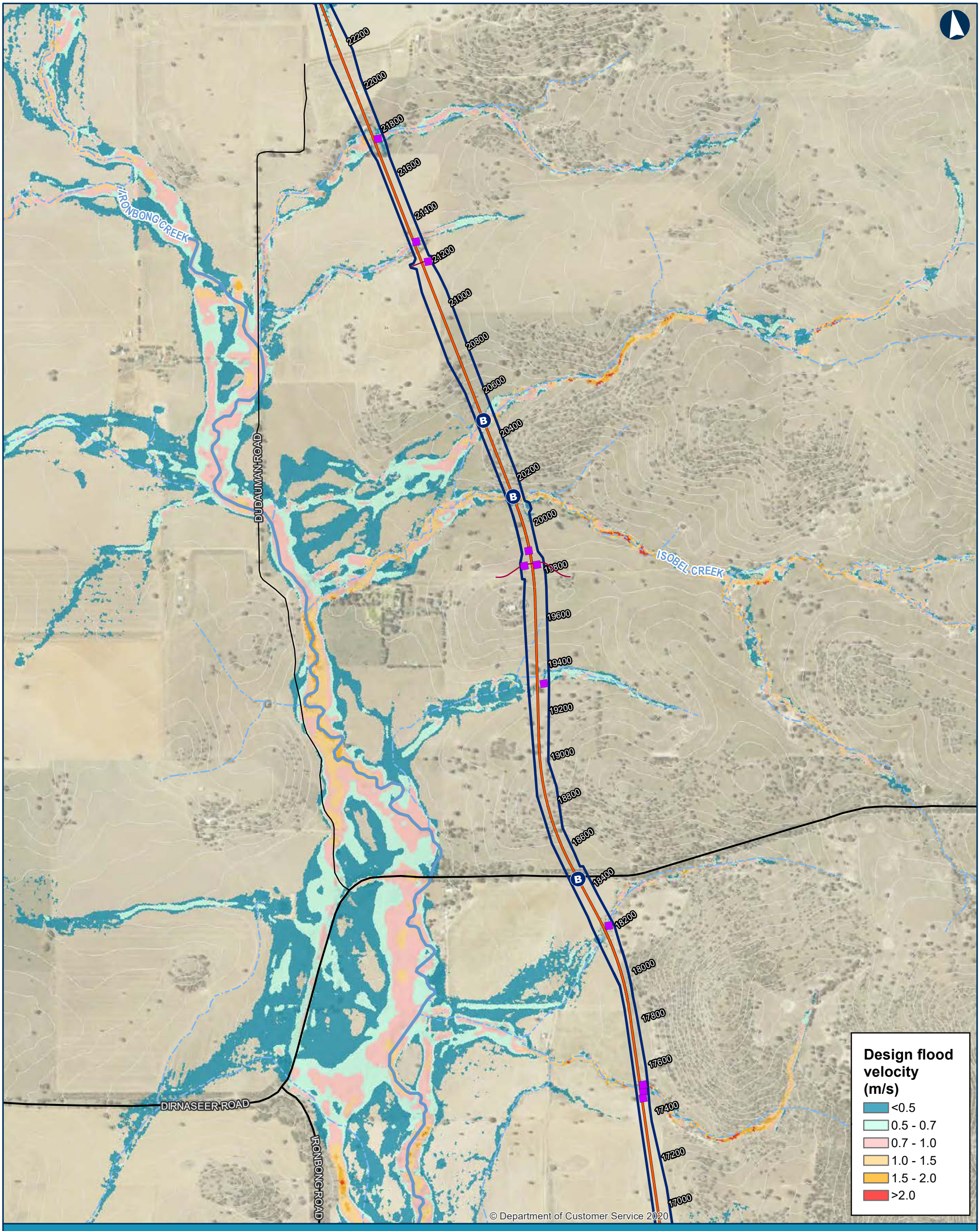

ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

Map 5 of 9

0 200 400 Metres

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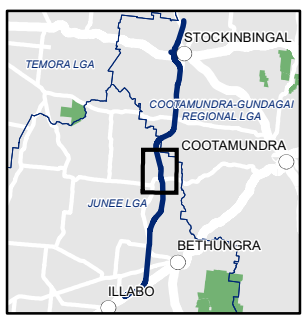

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OLD COOTAMUNDRA ROAD

POWDERHORN CREEK

IRONBONG CREEK

Wattle Creek

28200
28000
27800
27600
27400
27200
27000
26800
26600
26400
26200
26000
25800
25600
25400
25200
25000
24800
24600
24400
24200
24000
23800
23600
23400
23200
23000
22800
22600
22400

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Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

0 200 400 Metres

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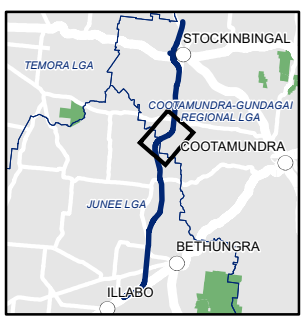

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POWDER HORN CREEK

OLD COOTAMUNDRA ROAD

32800
32600
32400
32200
32000
31800
31600
31400
31200
31000
30800
30600
30400
30200
30000
29800
29600
29400
29200
29000
28800
28600
28400
28200
28000
27800
27600

B

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Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

0 200 400 Metres

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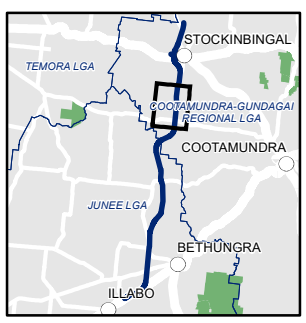
- Local road
- Sub-arterial road
- Arterial road



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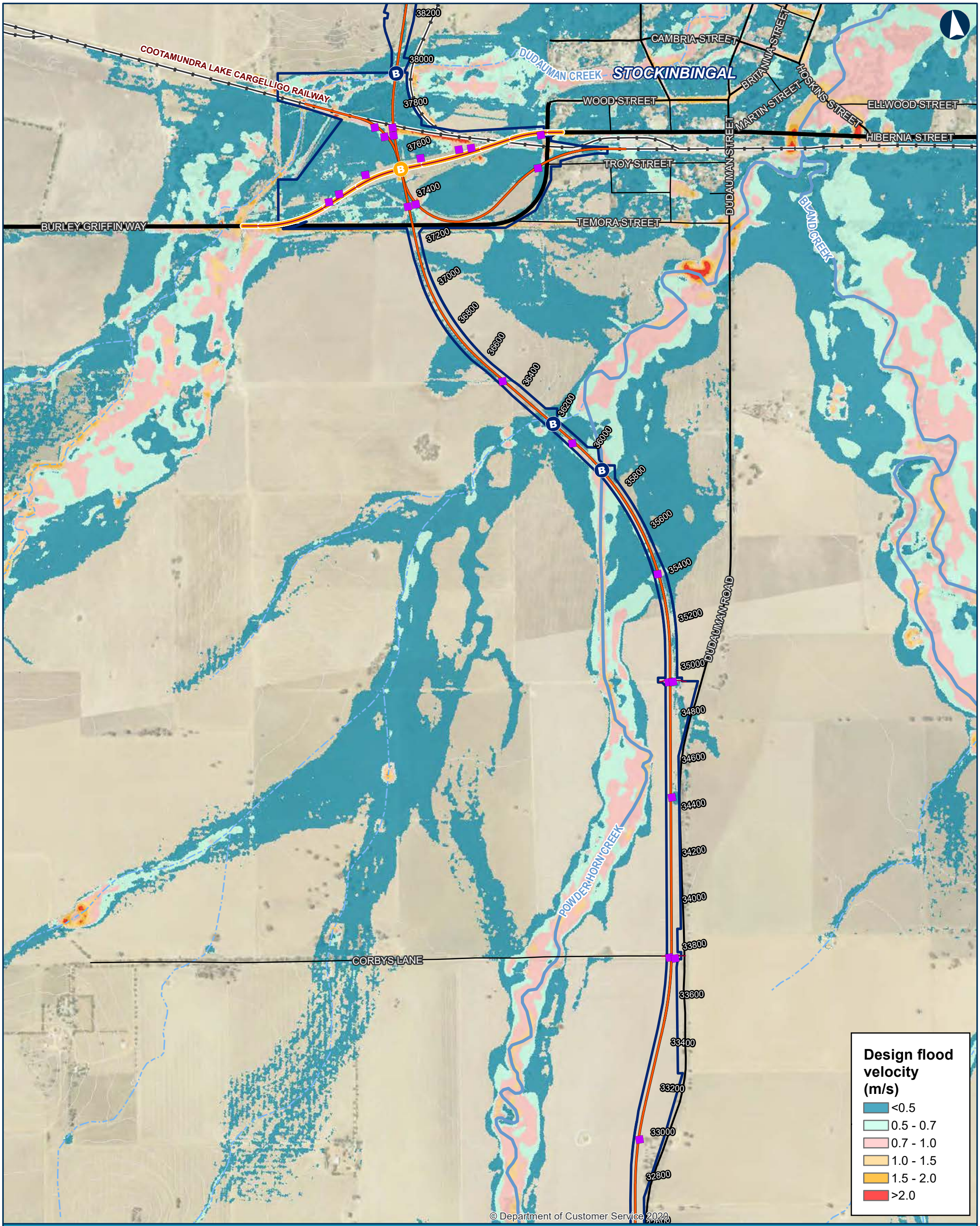

ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

Map 8 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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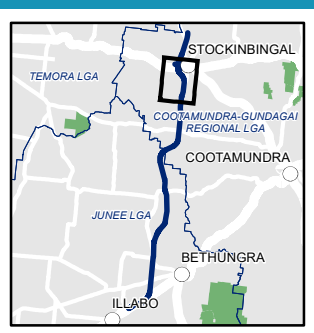

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ILLABO TO STOCKINBINGAL 1% AEP Climate Change Flood Design Velocity

BOYDS LANE
MCLAUGHLINS LANE
STOCKINBINGAL-PARKES RAILWAY
FREEMANS LANE
OLD WALLENDBEEN ROAD
NOONANS CREEK
BLAND CREEK
RACECOURSE LANE
GROGAN ROAD
O'BRIEN STREET
CAMBRIA STREET
BRITANNIA STREET
HOSKINS STREET
ELLWOOD STREET
HIBERNIA STREET
WOOD STREET
MARTIN STREET
DUDAUMAN STREET
TROY STREET
TEMORA STREET
DUDAUMAN ROAD
POWDERHORN CREEK
DUDAUMAN CREEK
STOCKINBINGAL
COOTAMUNDRA LAKE CARGELLIGO RAILWAY
BURLEY GRIFFIN WAY

41800 41600 41400 41200 41000 40800 40600 40400 40200 40000 39800 39600 39400 39200 39000 38800 38600 38400 38200 38000 37800 37600 37400 37200 37000 36800 36600

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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0 200 400 Metres

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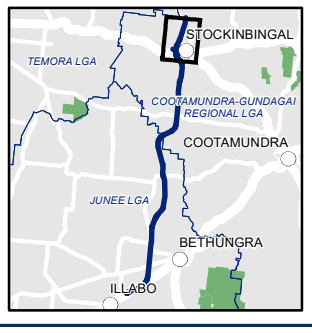

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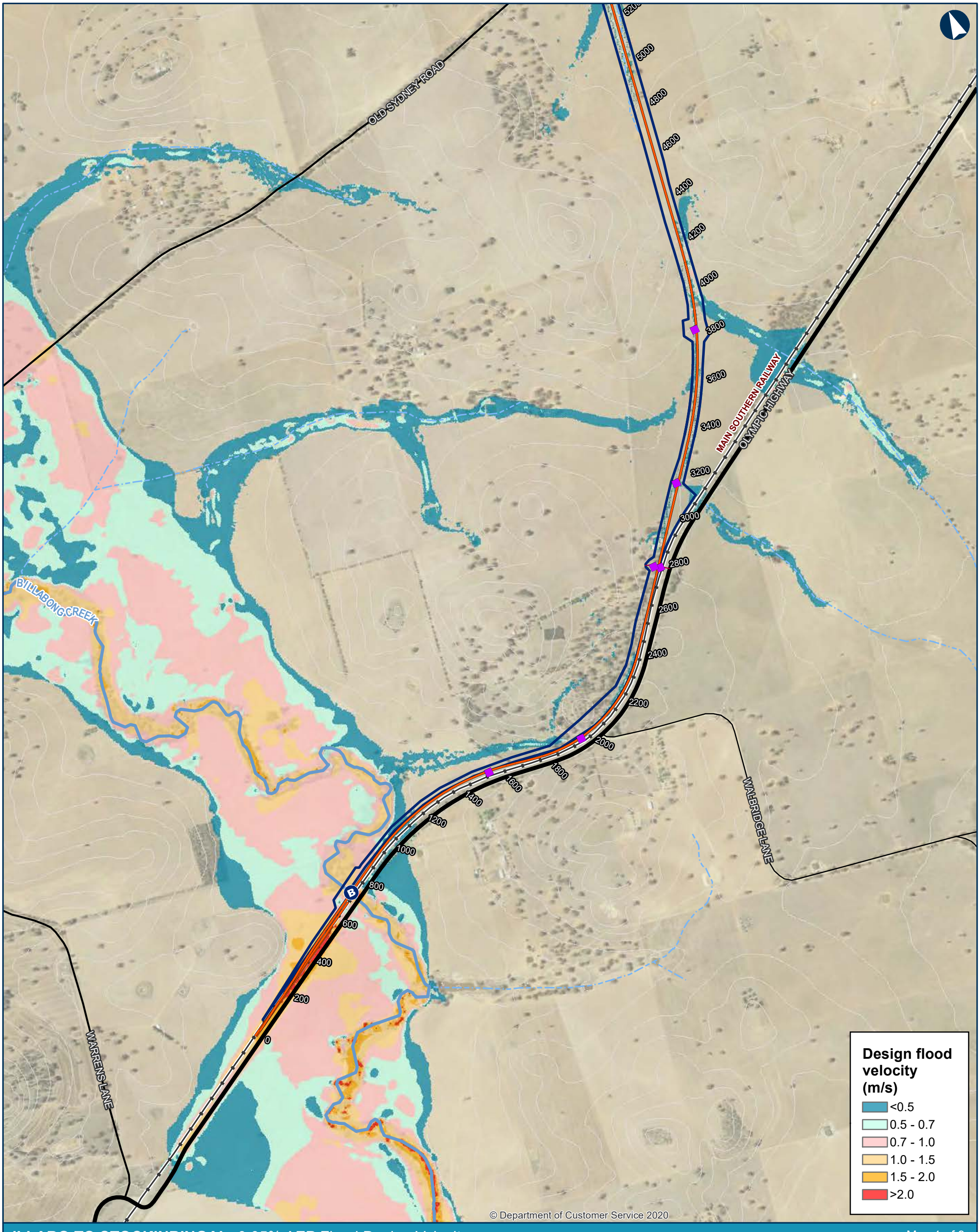

ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

Map 1 of 9

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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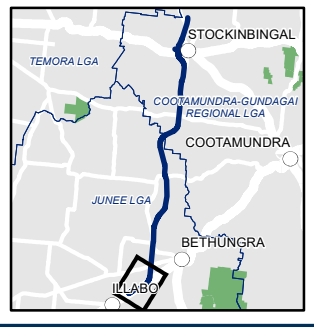

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EULOMO SETTLEMENT ROAD

OLD SYDNEY ROAD

IRONBONG ROAD

ULANDRA CREEK

9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

B

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Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

0 200 400 Metres

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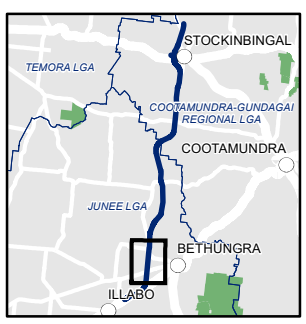

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IRONBONG CREEK

RUNBOUNDARY CREEK

IRONBONG ROAD

EULOMO SETTLEMENT ROAD

13600
13400
13200
13000
12800
12600
12400
12200
12000
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400

Crossing loops and maintenance siding

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

0 200 400 Metres

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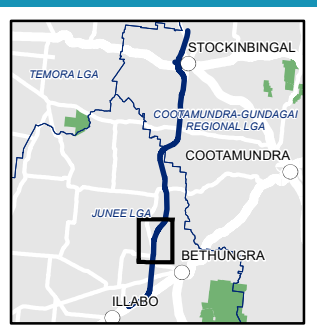

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DIRNASEER ROAD
IRONBONG CREEK
IRONBONG ROAD
HICKS LANE
RUN BOUNDARY CREEK
18000
17800
17600
17400
17200
17000
16800
16600
16400
16200
16000
15800
15600
15400
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
13200
13000

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- >2.0

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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

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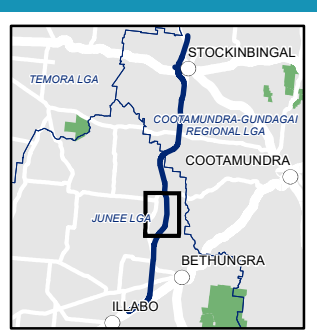

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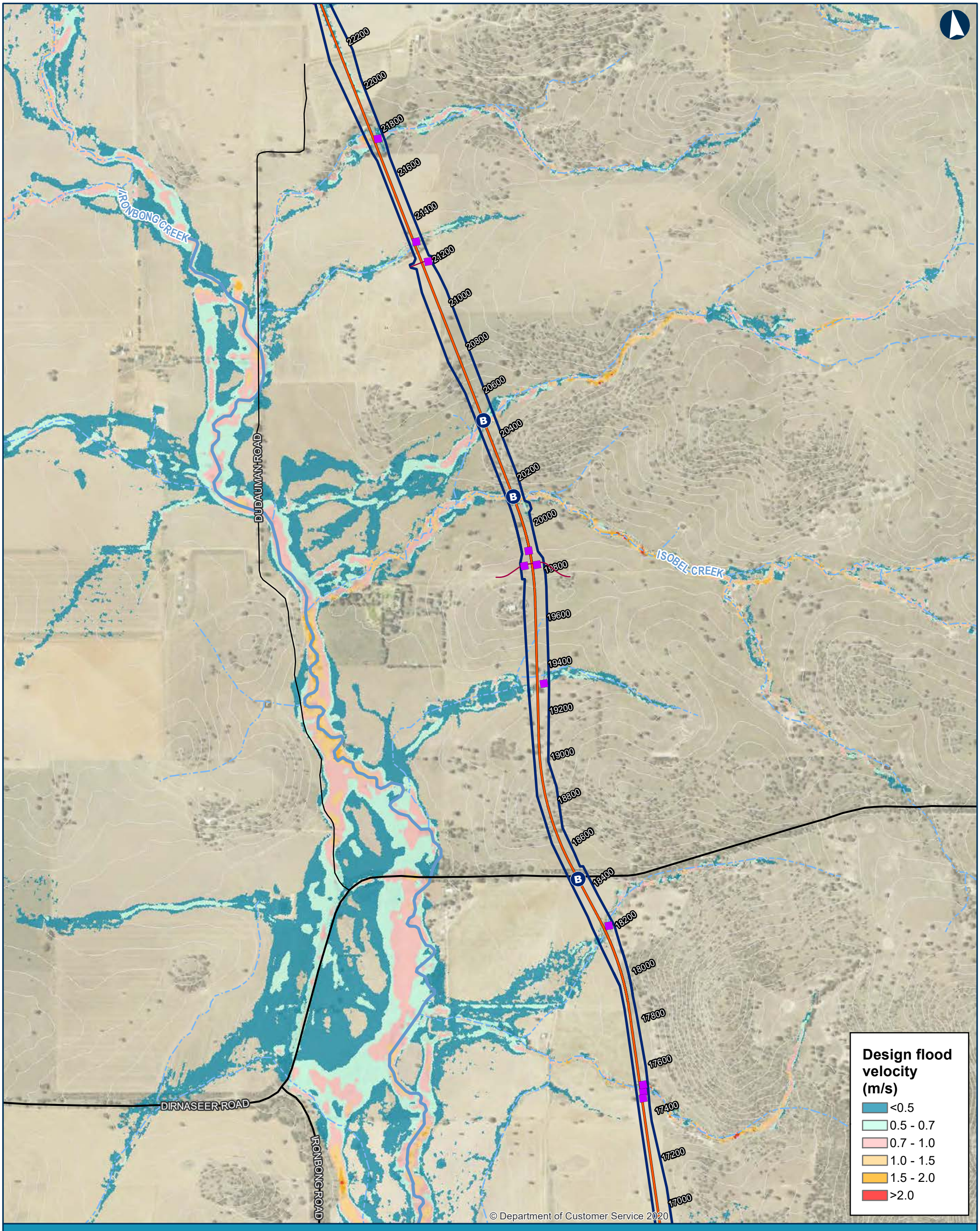

ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

Map 5 of 9

0 200 400 Metres

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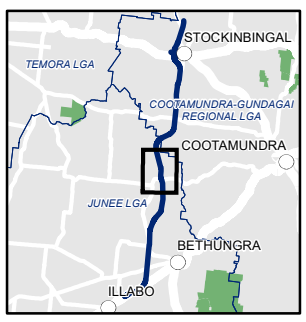

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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

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- Underbridge (B)
- Culvert
- 5m Contours
- Existing rail
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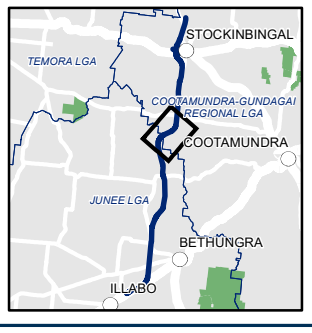

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POWDER HORN CREEK

OLD COOTAMUNDRA ROAD

32800
32600
32400
32200
32000
31800
31600
31400
31200
31000
30800
30600
30400
30200
30000
29800
29600
29400
29200
29000
28800
28600
28400
28200
28000
27800
27600

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
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ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

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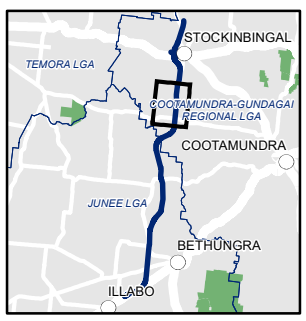

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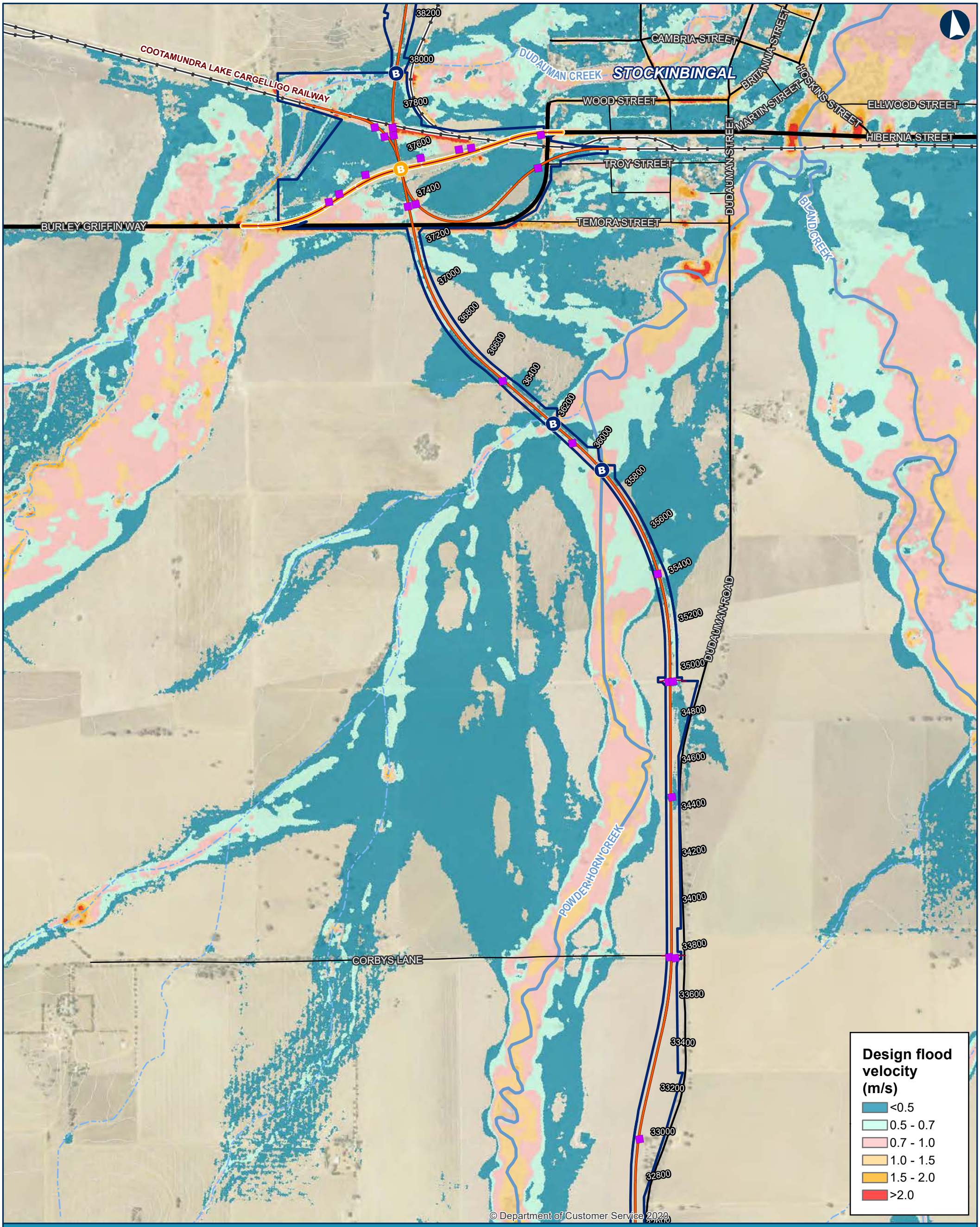

ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

Map 8 of 9

0 200 400 Metres

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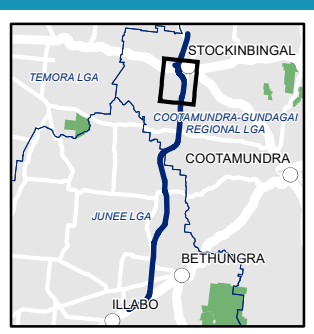

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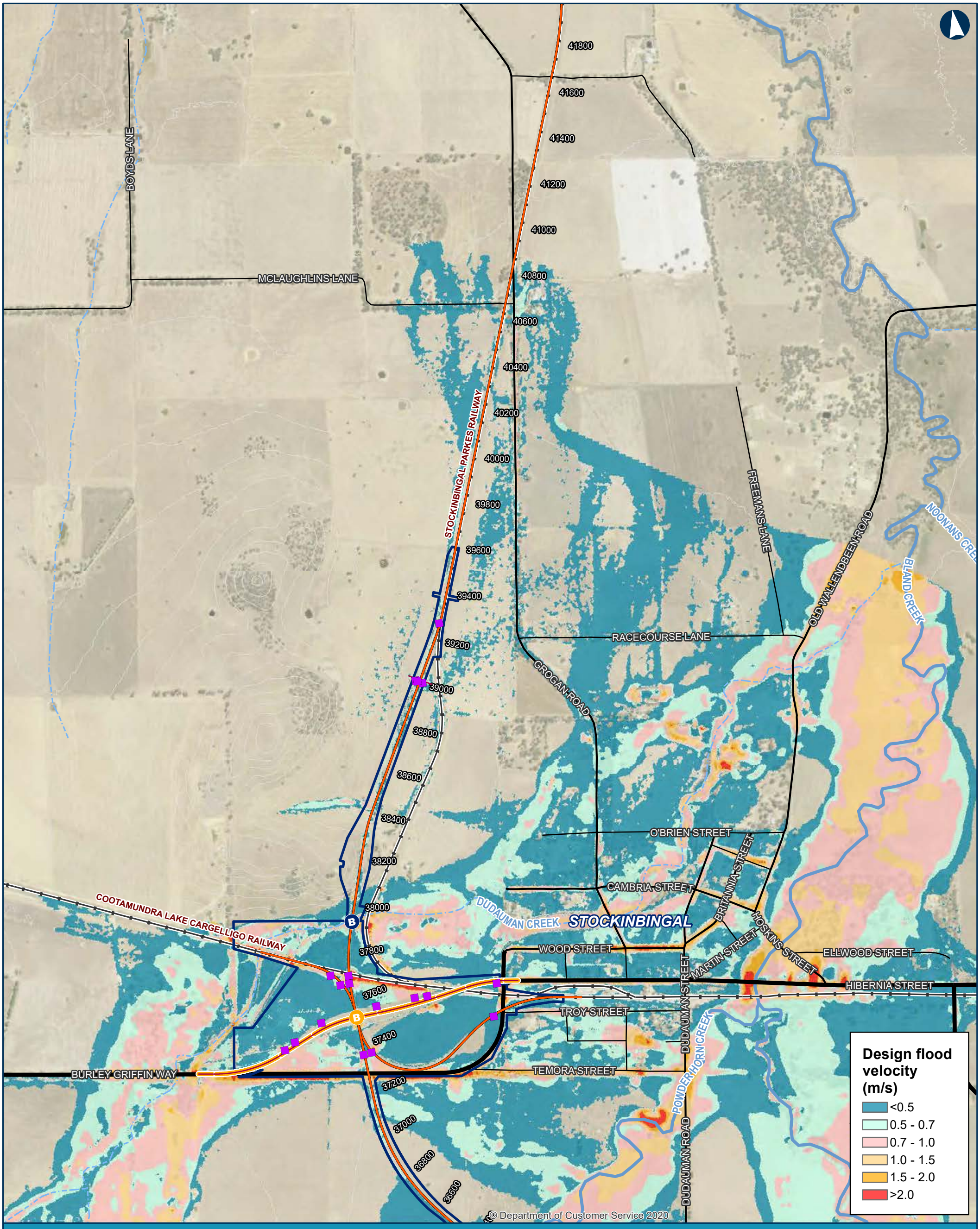

ILLABO TO STOCKINBINGAL 0.05% AEP Flood Design Velocity

Map 9 of 9

0 200 400 Metres

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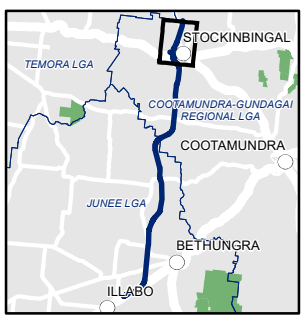
- 40950 Chainage (distance in metres from southern limit of the proposal)
- New track/track upgrade
- Burley Griffin Way realignment
- B Overbridge
- B Underbridge
- Culvert
- 5m Contours
- Existing rail
- Minor watercourse (Strahler SO 1-3)
- Major watercourse (Strahler SO 4-6)
- Local road
- Sub-arterial road
- Arterial road



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OLD SYDNEY ROAD
BYLLABONG CREEK
WARRENS LANE
WALBRIDGE LANE
MAIN SOUTHERN RAILWAY
OLYMPIC HIGHWAY
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
B

Design flood velocity (m/s)
- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2
- >2.0

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ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Velocity

0 200 400 Metres

Coordinate System: GDA 1994 MGA Zone 55

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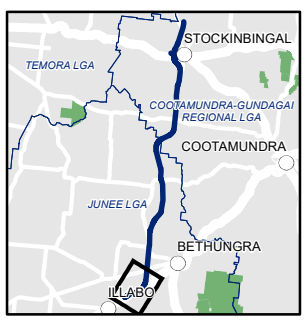

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EULOMO SETTLEMENT ROAD

IRONBONG ROAD

OLD SYDNEY ROAD

ULANDRA CREEK

9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

B

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2
- >2.0

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0 200 400 Metres

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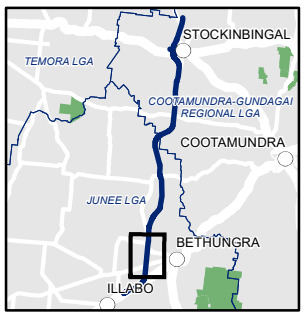

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IRONBONG CREEK

RUN BOUNDARY CREEK

IRONBONG ROAD

EULOMO SETTLEMENT ROAD

13600
13400
13200
13000
12800
12600
12400
12200
12000
11800
11600
11400
11200
11000
10800
Crossing loops and maintenance siding
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2
- >2.0

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ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Velocity

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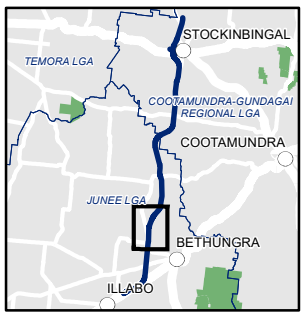

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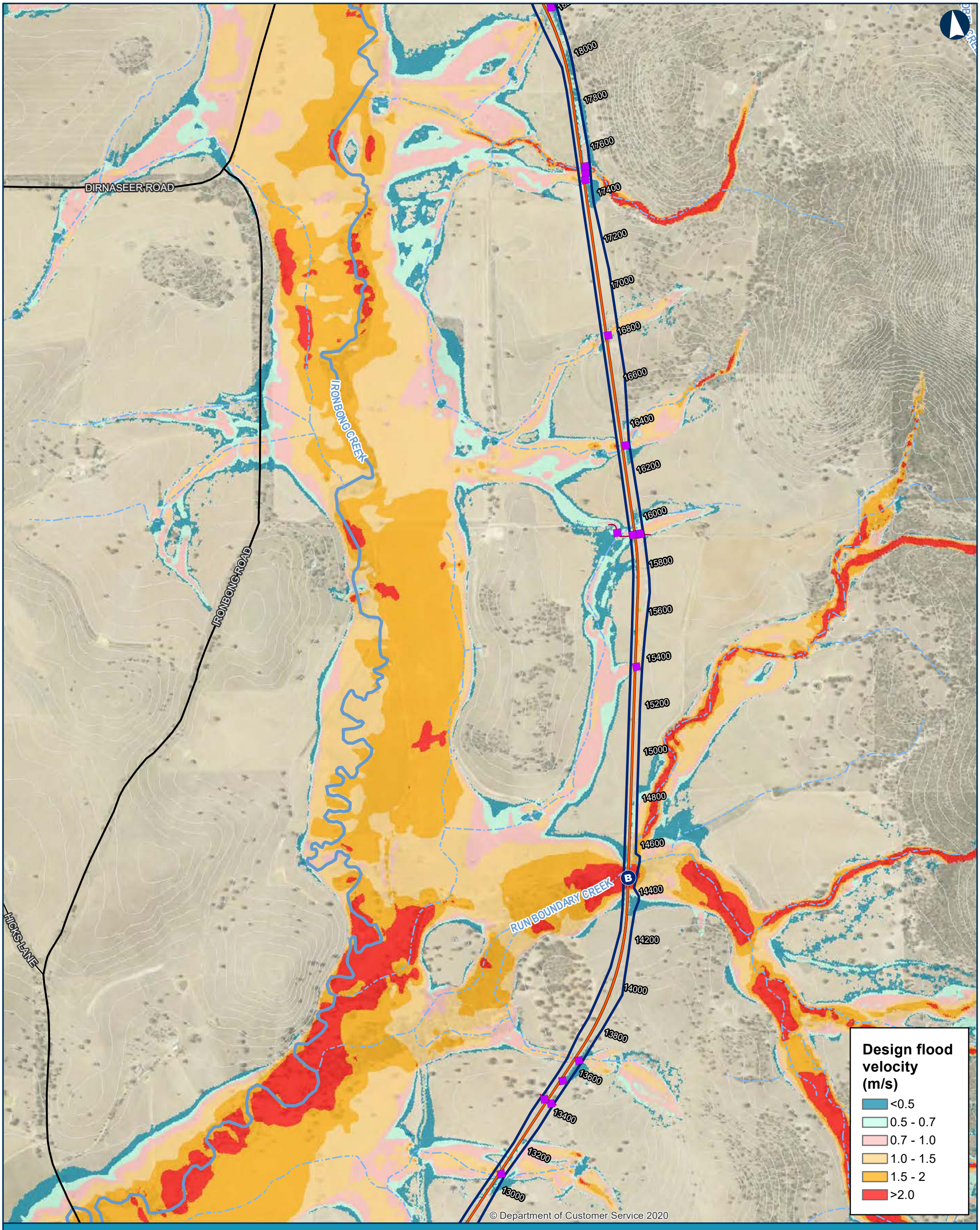

ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Velocity

Map 4 of 9

0 200 400 Metres

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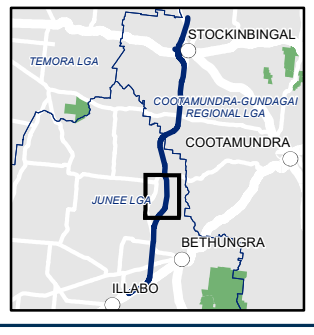

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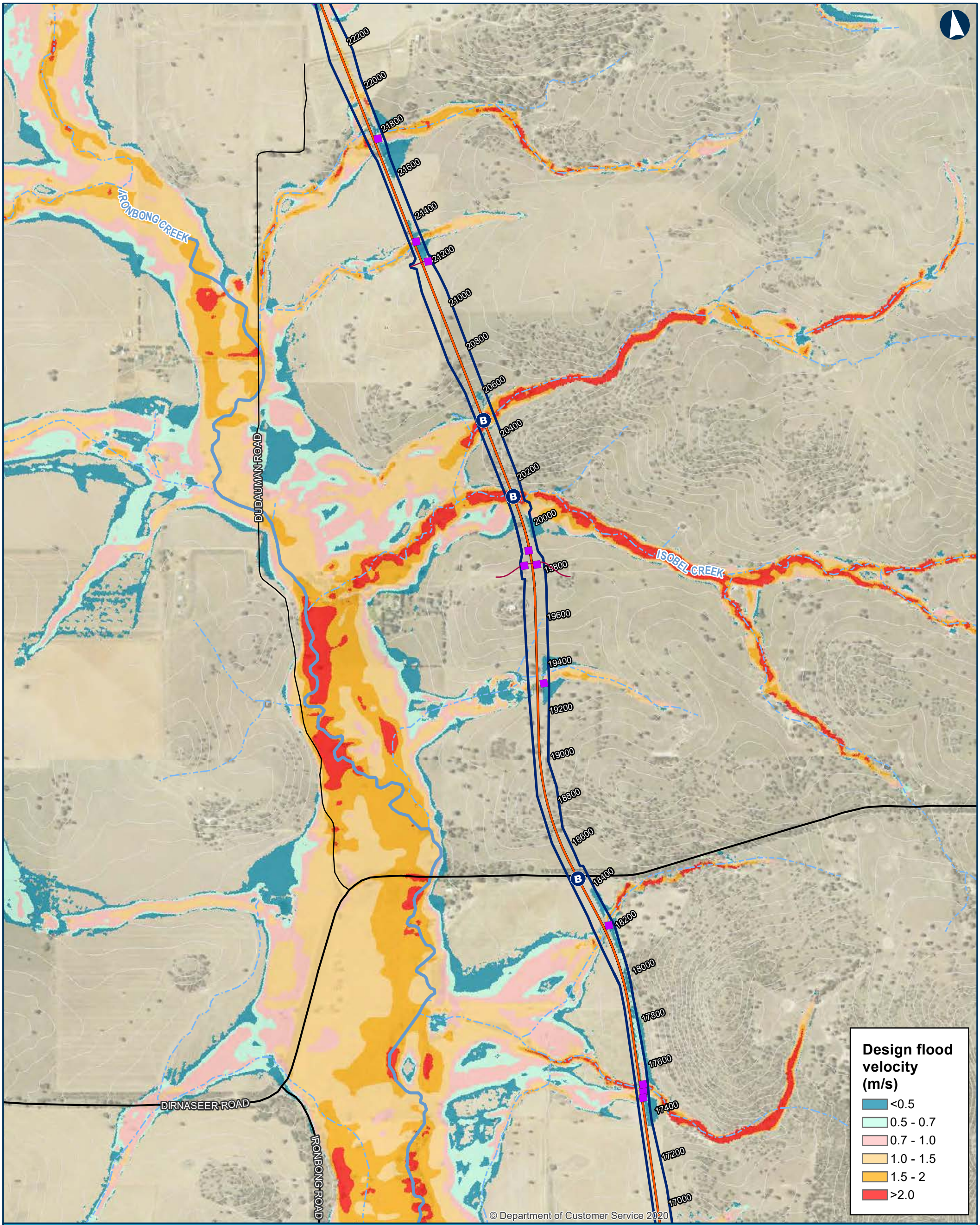

ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Velocity

0 200 400 Metres

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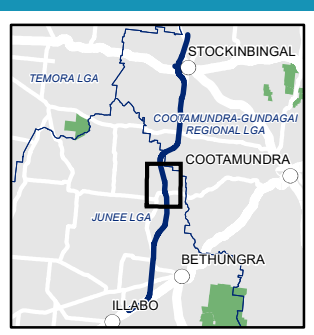

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OLD COOTAMUNDRA ROAD

POWDER HORN CREEK

WATTLE CREEK

IRONBONG CREEK

28200 28000 27800 27600 27400 27200 27000 26800 26600 26400 26200 26000 25800 25600 25400 25200 25000 24800 24600 24400 24200 24000 23800 23600 23400 23200 23000 22800 22600 22400

Design flood velocity (m/s)

- <0.5
- 0.5 - 0.7
- 0.7 - 1.0
- 1.0 - 1.5
- 1.5 - 2
- >2.0

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ILLABO TO STOCKINBINGAL Probable Maximum Flood Design Velocity

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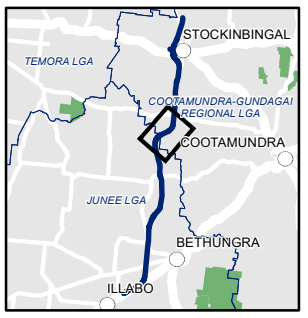

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