

Appendix B

Existing Conditions Flood Maps

B1 - Existing Flood Depth 39% AEP

B2 – Existing Flood Depth 10% AEP

B3 – Existing Flood Depth 1% AEP

B4 – Existing Flood Velocity 39% AEP

B5 – Existing Flood Velocity 10% AEP

B6 – Existing Flood Velocity 1% AEP

B7 – Existing Flood Duration 39% AEP

B8 – Existing Flood Duration 10% AEP

B9 – Existing Flood Duration 1% AEP





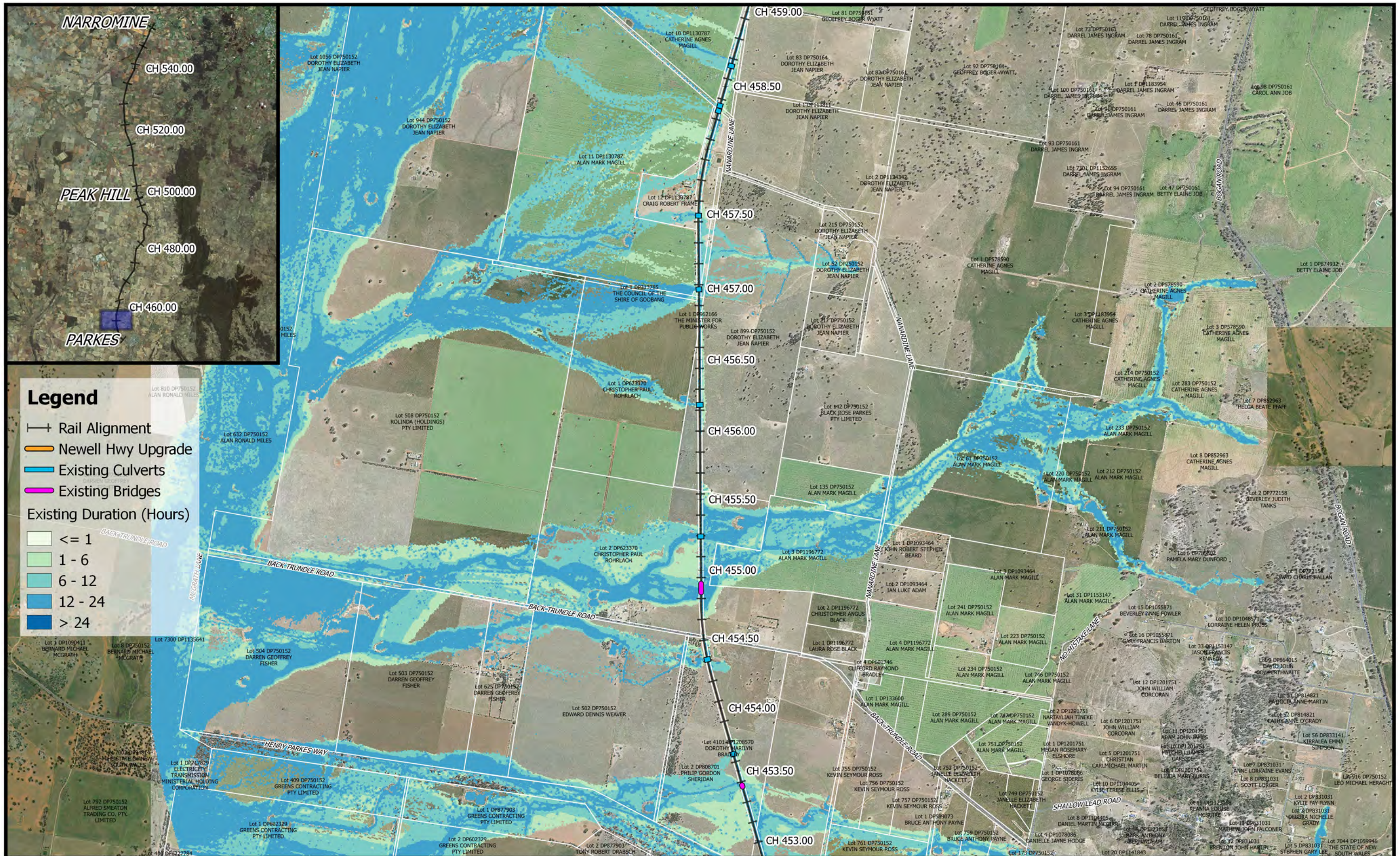
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Date: 18/10/2018 Rev: B Prepared By: YeohM	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX1D1 1% AEP Existing Flood Duration - CH 450.00
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Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- ≤ 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24



0 250 500 750 1000 m

1:25,000

Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



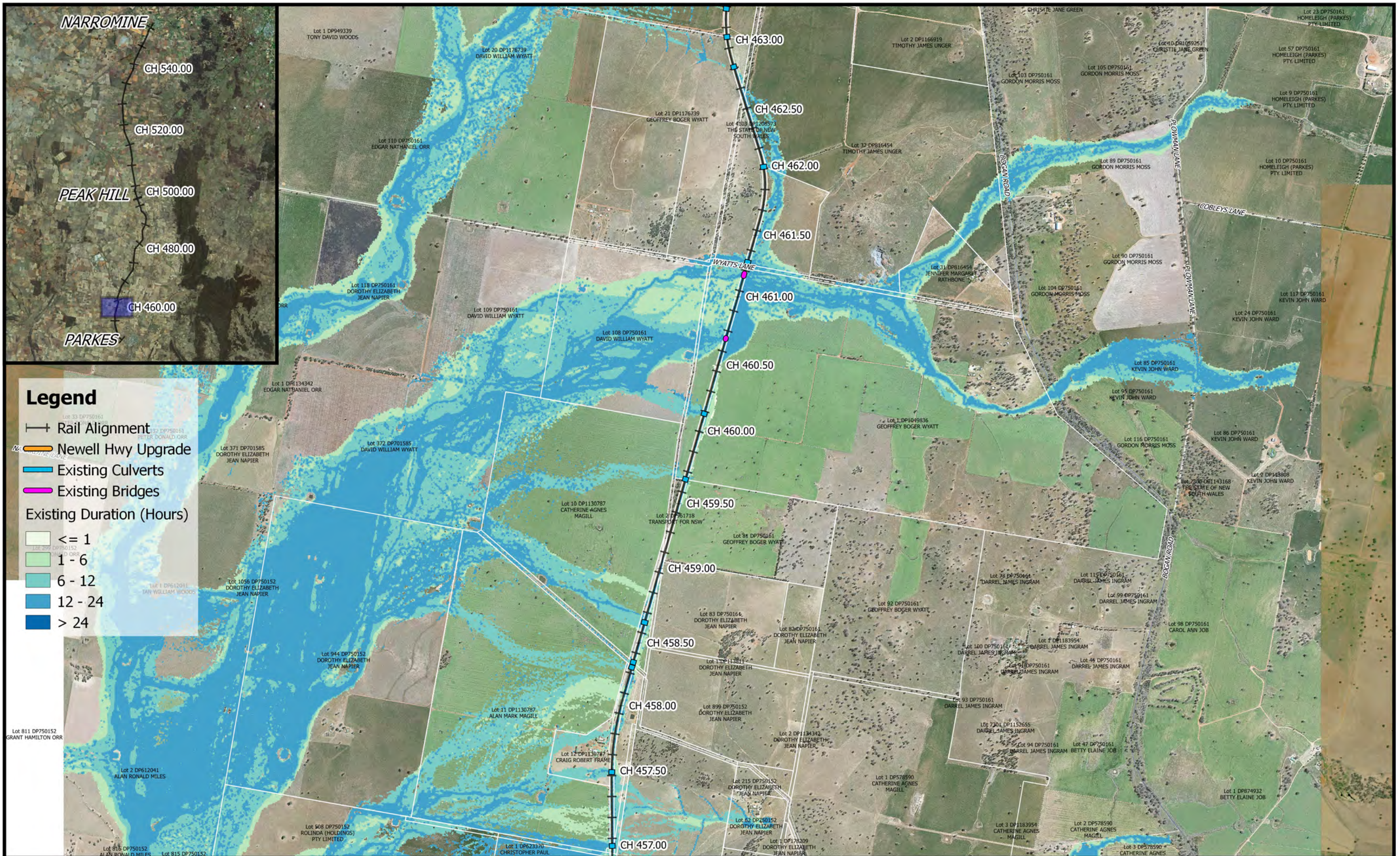
Date: 18/10/2018

Rev: B

Prepared By: YeohM

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D2
1% AEP Existing Flood Duration - CH 455.00



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
- Existing Duration (Hours)
- <= 1
 - 1 - 6
 - 6 - 12
 - 12 - 24
 - > 24

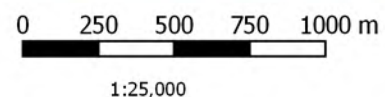
Date: 12/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D3
1% AEP Existing Flood Duration - CH 460.00



Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3





Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
- Existing Duration (Hours)
- <= 1
 - 1 - 6
 - 6 - 12
 - 12 - 24
 - > 24

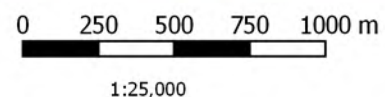
Date: 12/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D4
1% AEP Existing Flood Duration - CH 465.00



Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3





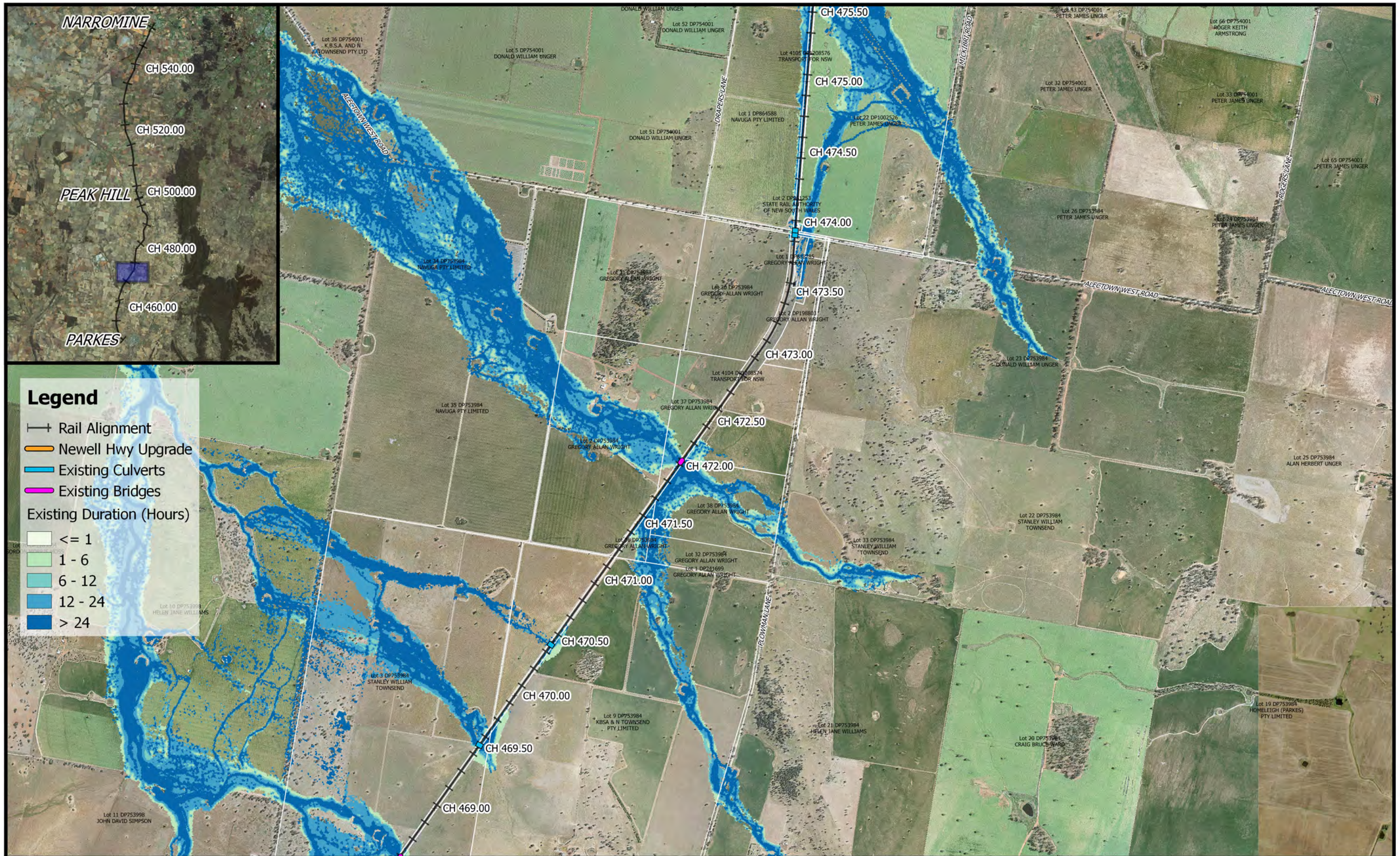
Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 12/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX1D5 1% AEP Existing Flood Duration - CH 470.00</p>
	Rev: A			
	Prepared By: WhiteleyD			



	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Date: 12/7/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX1D6 1% AEP Existing Flood Duration - CH 472.00
			Rev: A	
			Prepared By: WhiteleyD	



Legend

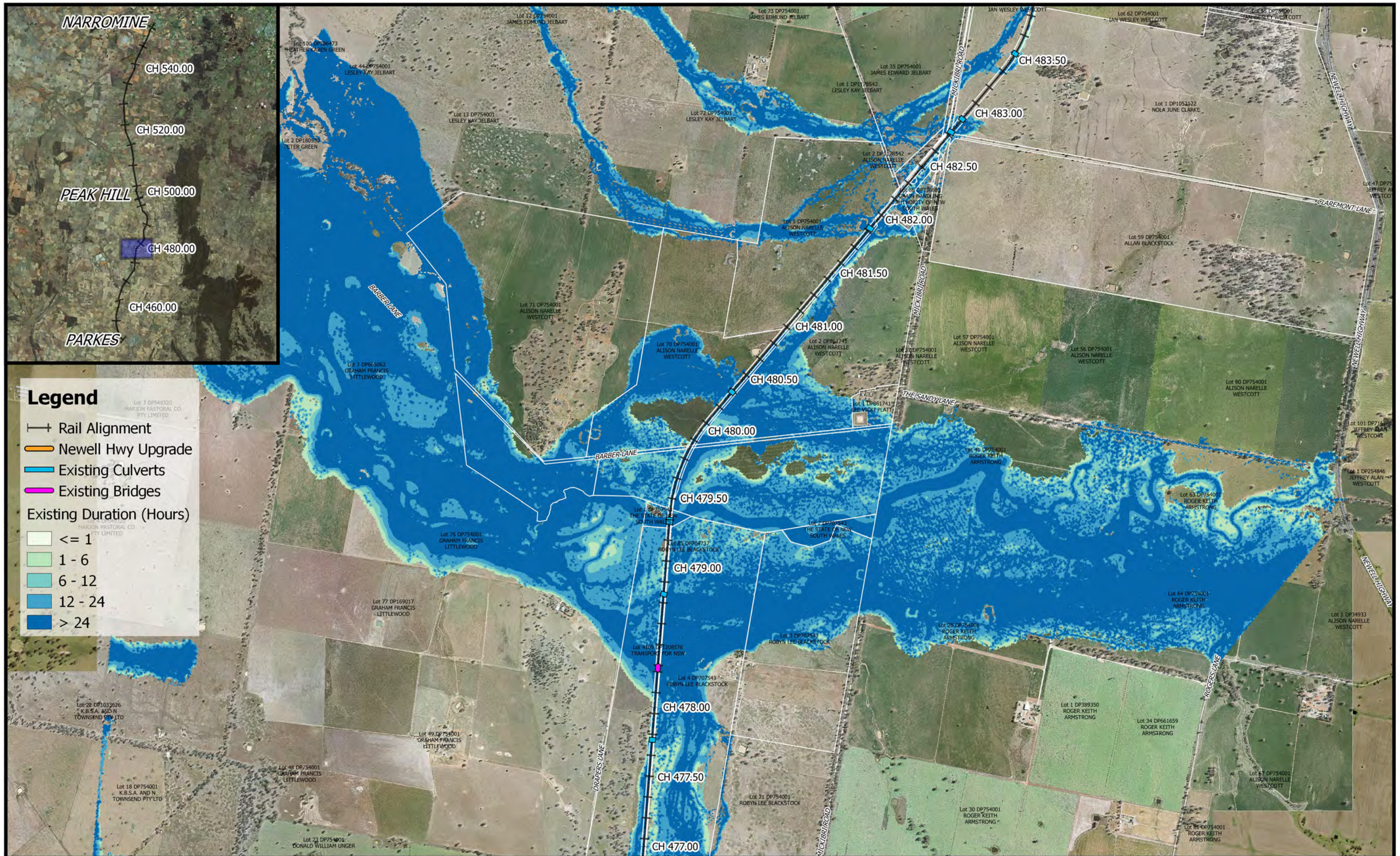
- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- ≤ 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 12/7/2018	<p style="text-align: center;">Parkes to Narromine</p> <p style="text-align: center;">DD100% - Cross Drainage Flood Impact Assessment Results</p> <p style="text-align: center;">Figure EX1D7</p> <p style="text-align: center;"><i>1% AEP Existing Flood Duration - CH 475.00</i></p>
	Rev: A			
	Prepared By: WhiteleyD			

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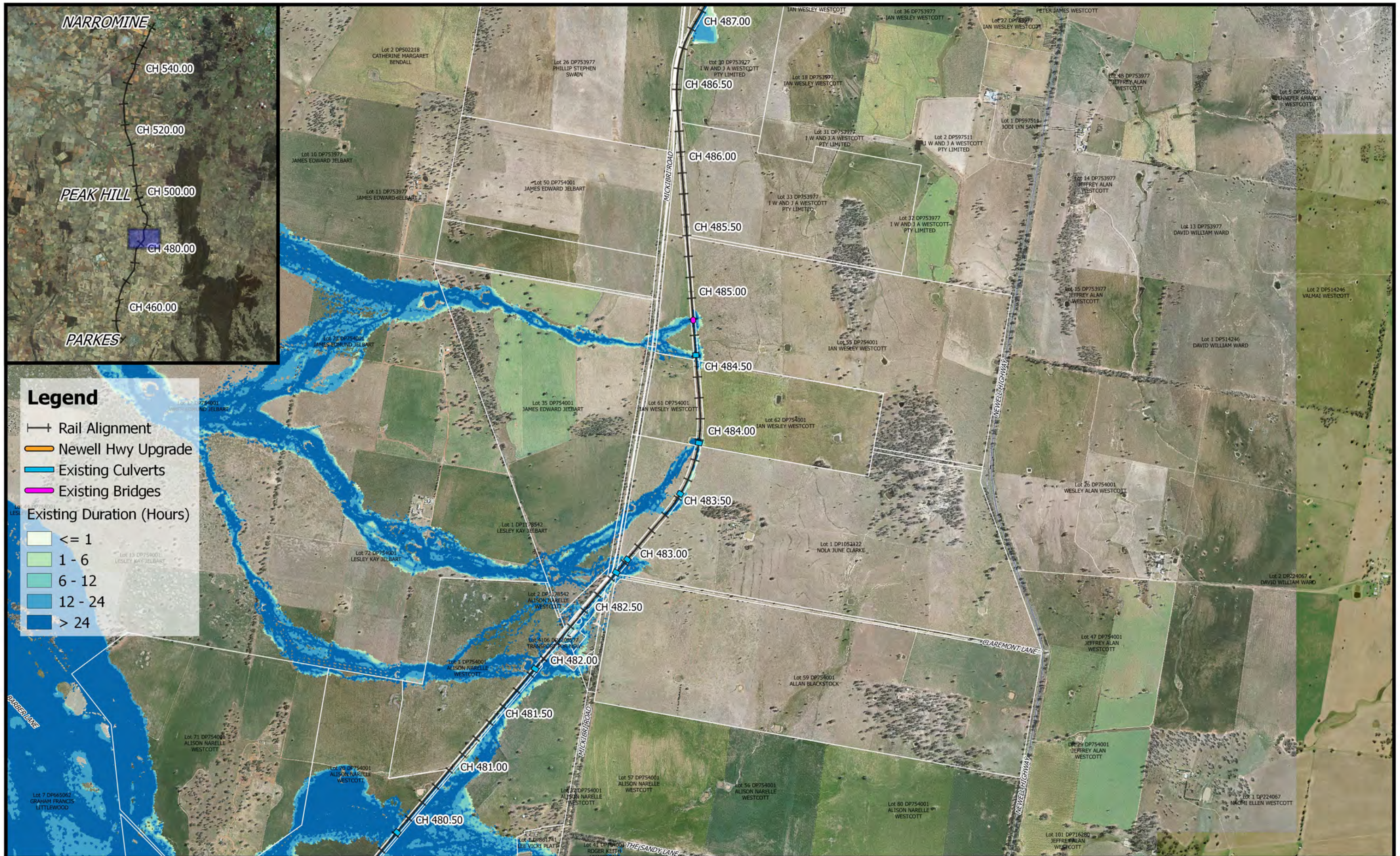
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

	<= 1
	1 - 6
	6 - 12
	12 - 24
	> 24

	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Date: 12/7/2018 Rev: A Prepared By: WhiteleyD	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX1D8 <i>1% AEP Existing Flood Duration - CH 480.00</i>
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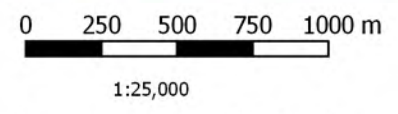


Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- ≤ 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24



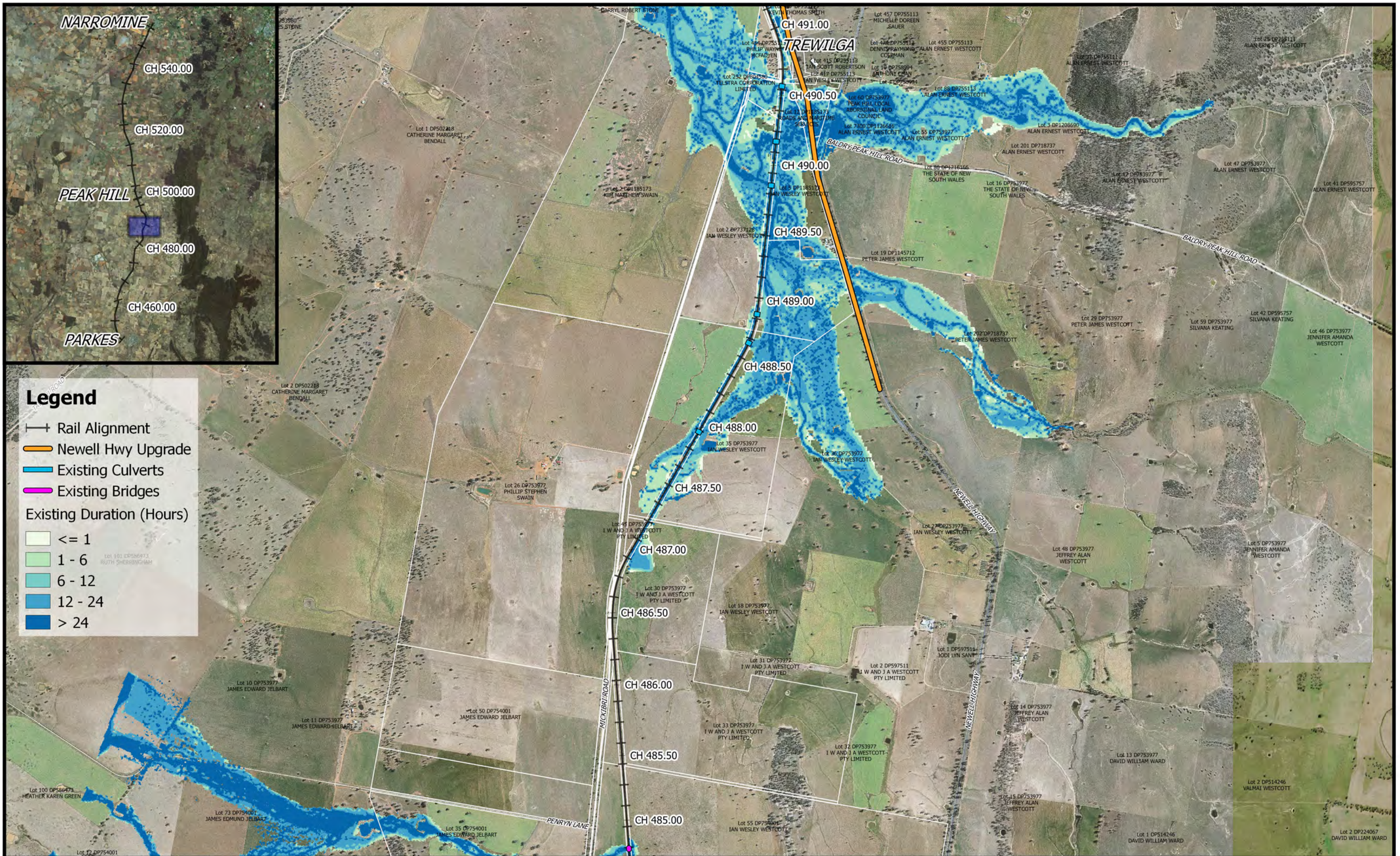
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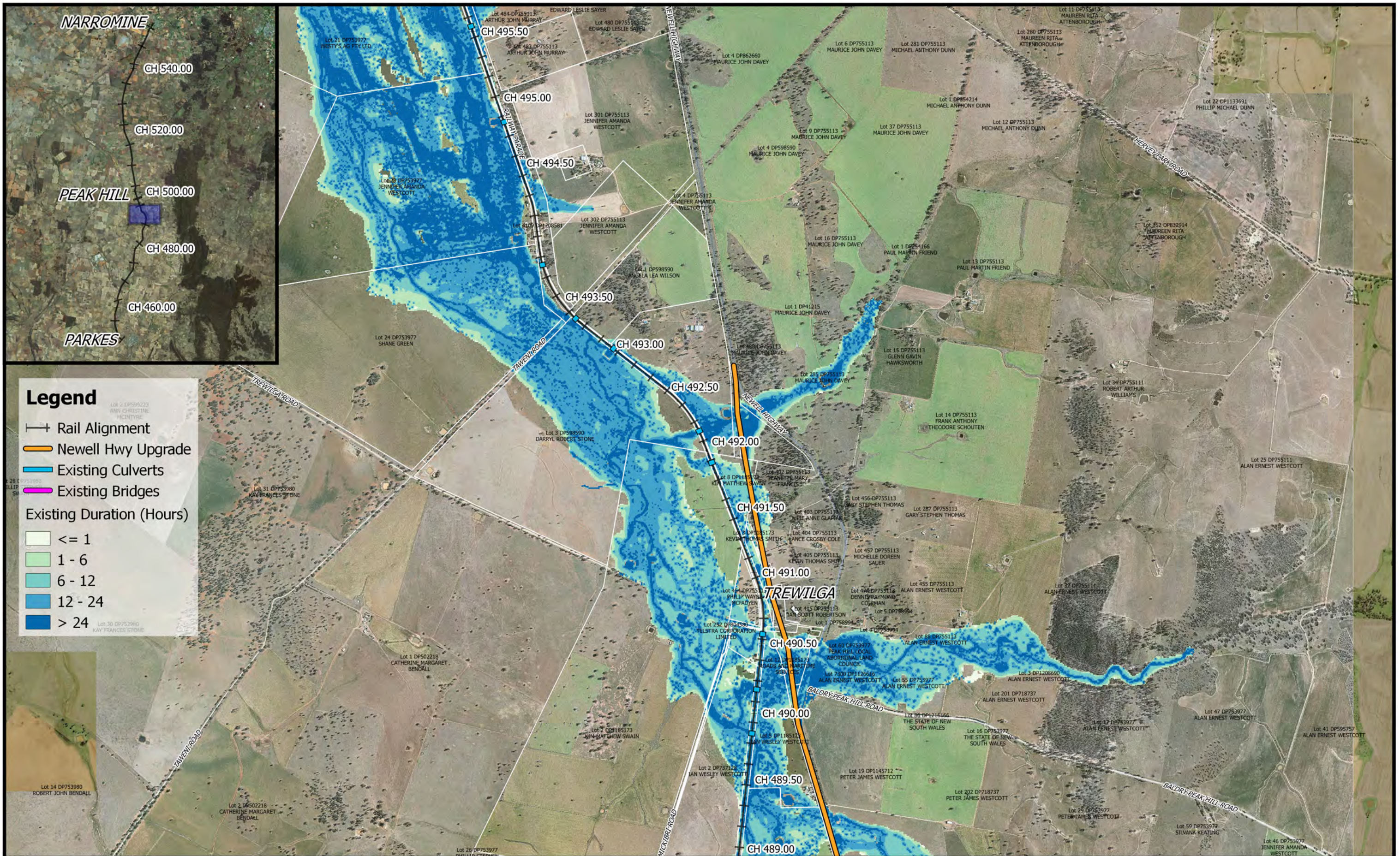
Date: 12/7/2018
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Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D9
1% AEP Existing Flood Duration - CH 485.00



	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 12/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX1D10 1% AEP Existing Flood Duration - CH 490.00</p>
			Rev: A	
			Prepared By: WhiteleyD	



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

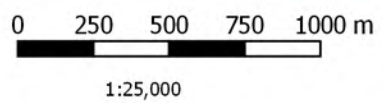
Date: 12/7/2018

Rev: A

Prepared By: WhiteleyD

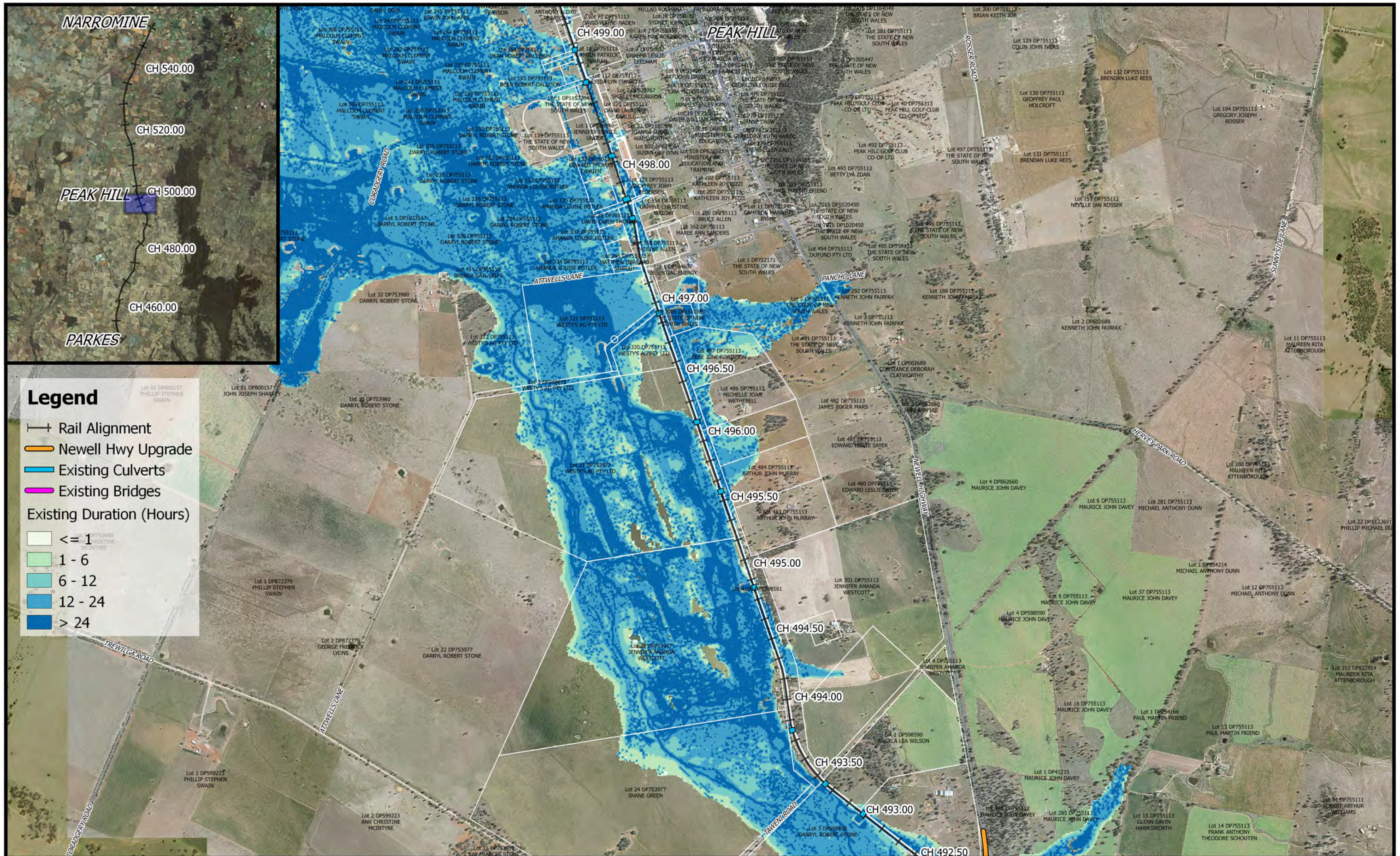
Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D11
1% AEP Existing Flood Duration - CH 492.00



Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



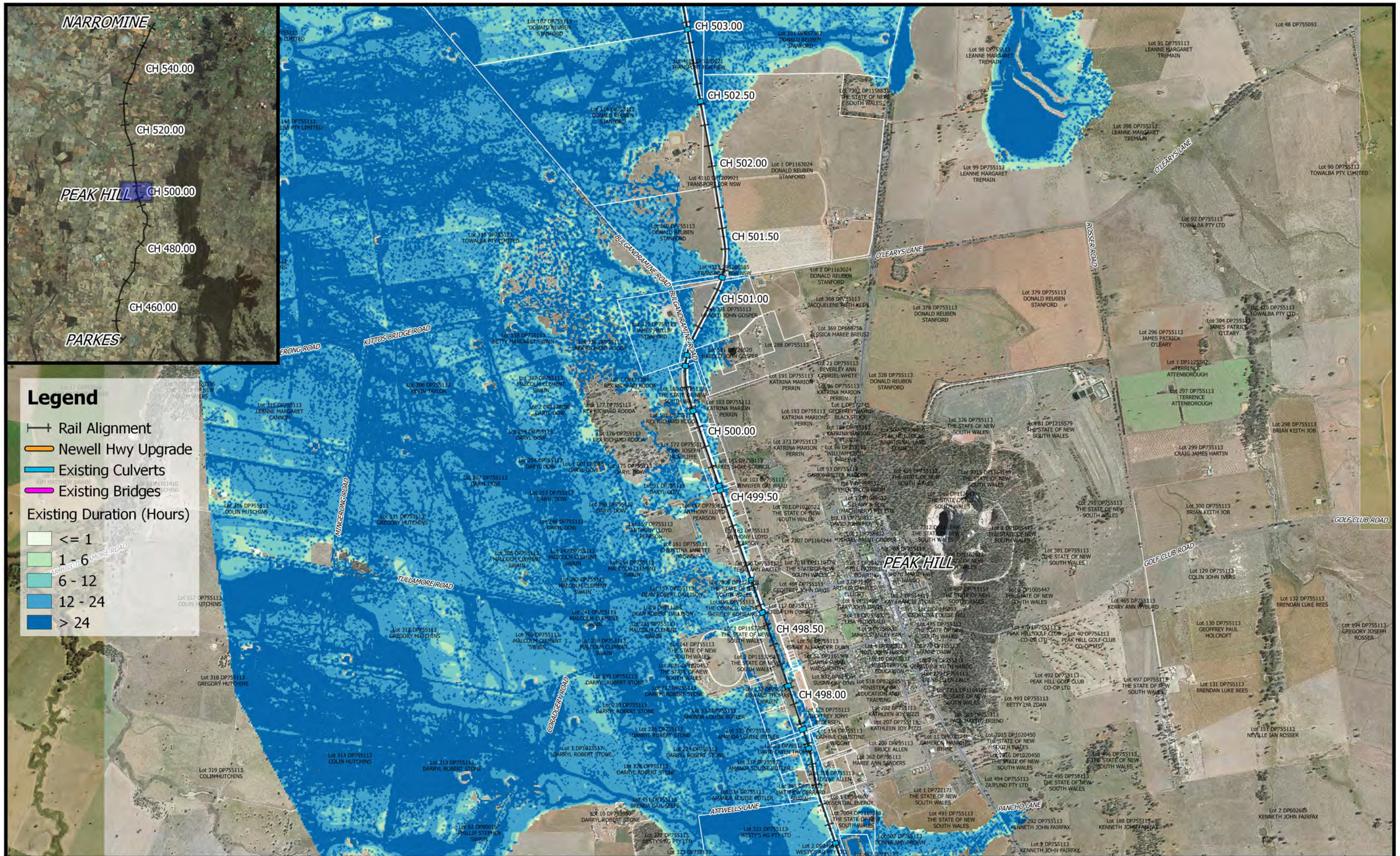


Legend

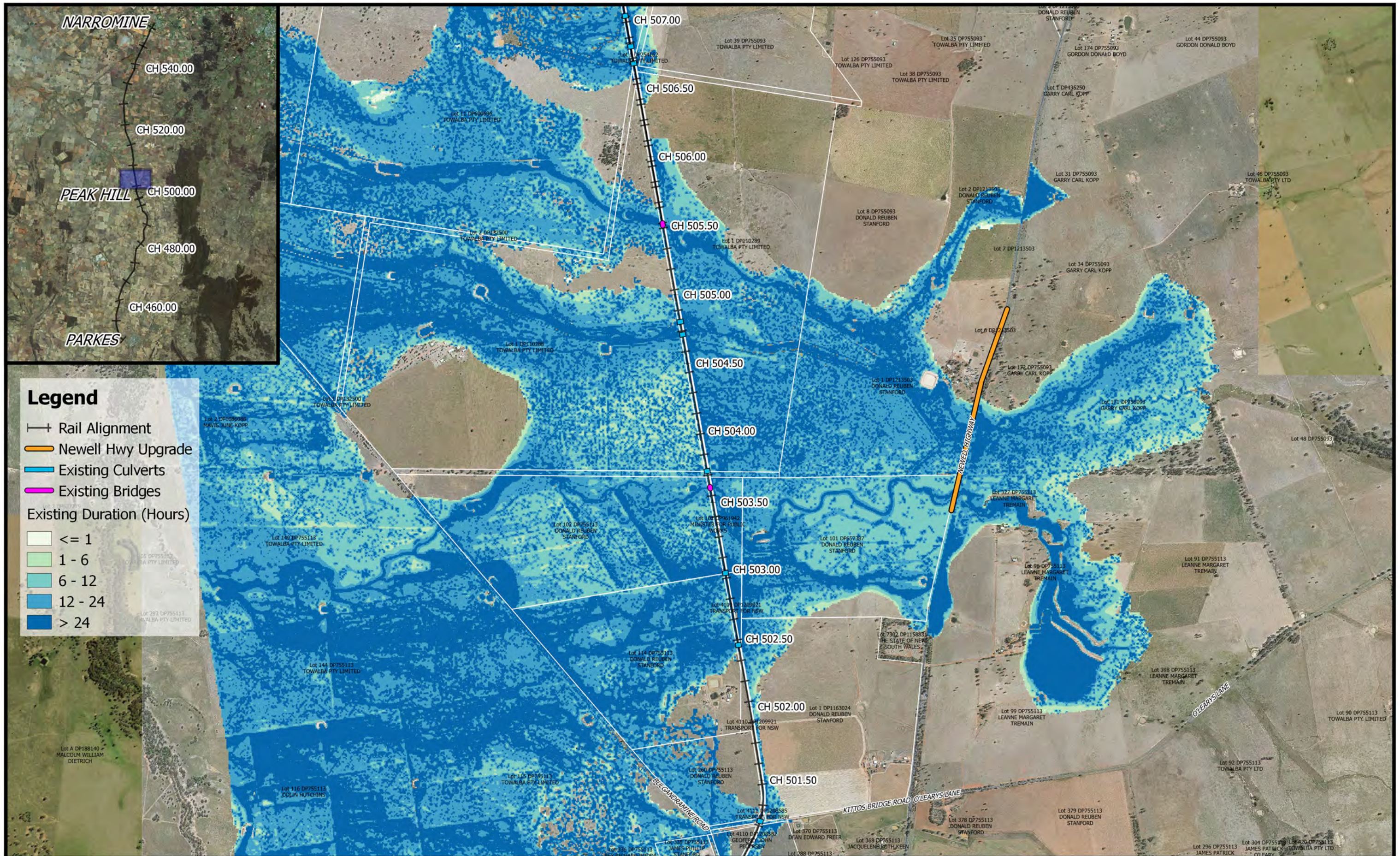
- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 12/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX1D12 1% AEP Existing Flood Duration - CH 495.00</p>
	Rev: A			
	Prepared By: WhiteleyD			



	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 12/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX1D13 1% AEP Existing Flood Duration - CH 500.00</p>
	Rev: A			
	Prepared By: WhiteleyD			



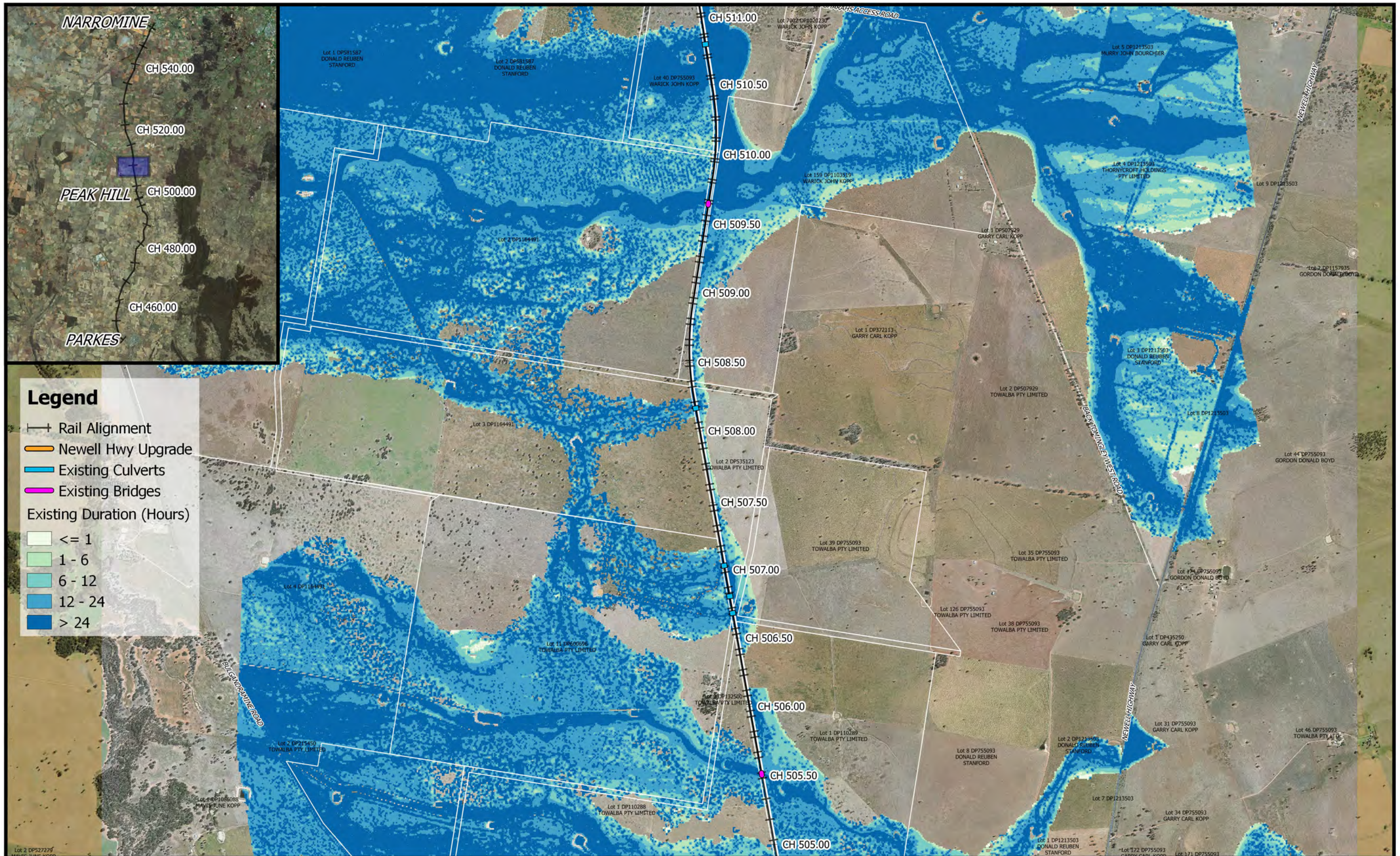
Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 12/7/2018	<p style="text-align: right;">Parkes to Narromine</p> <p style="text-align: right;">DD100% - Cross Drainage Flood Impact Assessment Results</p> <p style="text-align: right;">Figure EX1D14</p> <p style="text-align: right;"><i>1% AEP Existing Flood Duration - CH 505.00</i></p>
	Rev: A			
	Prepared By: WhiteleyD			



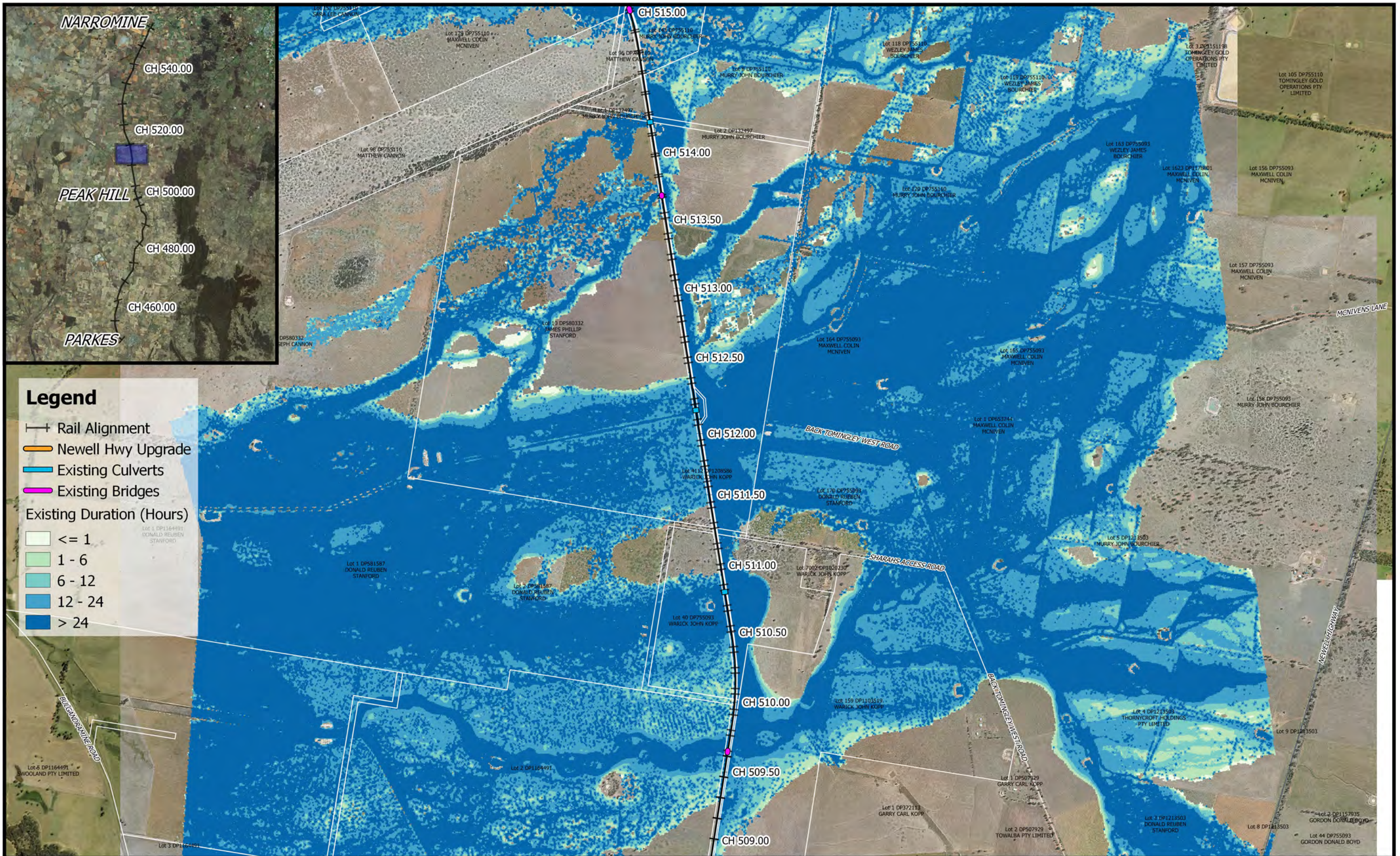
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	<p>1:25,000</p>		Date: 12/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX1D15 <i>1% AEP Existing Flood Duration - CH 510.00</i></p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			

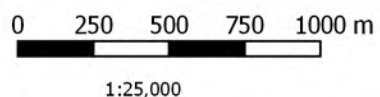


Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24



Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



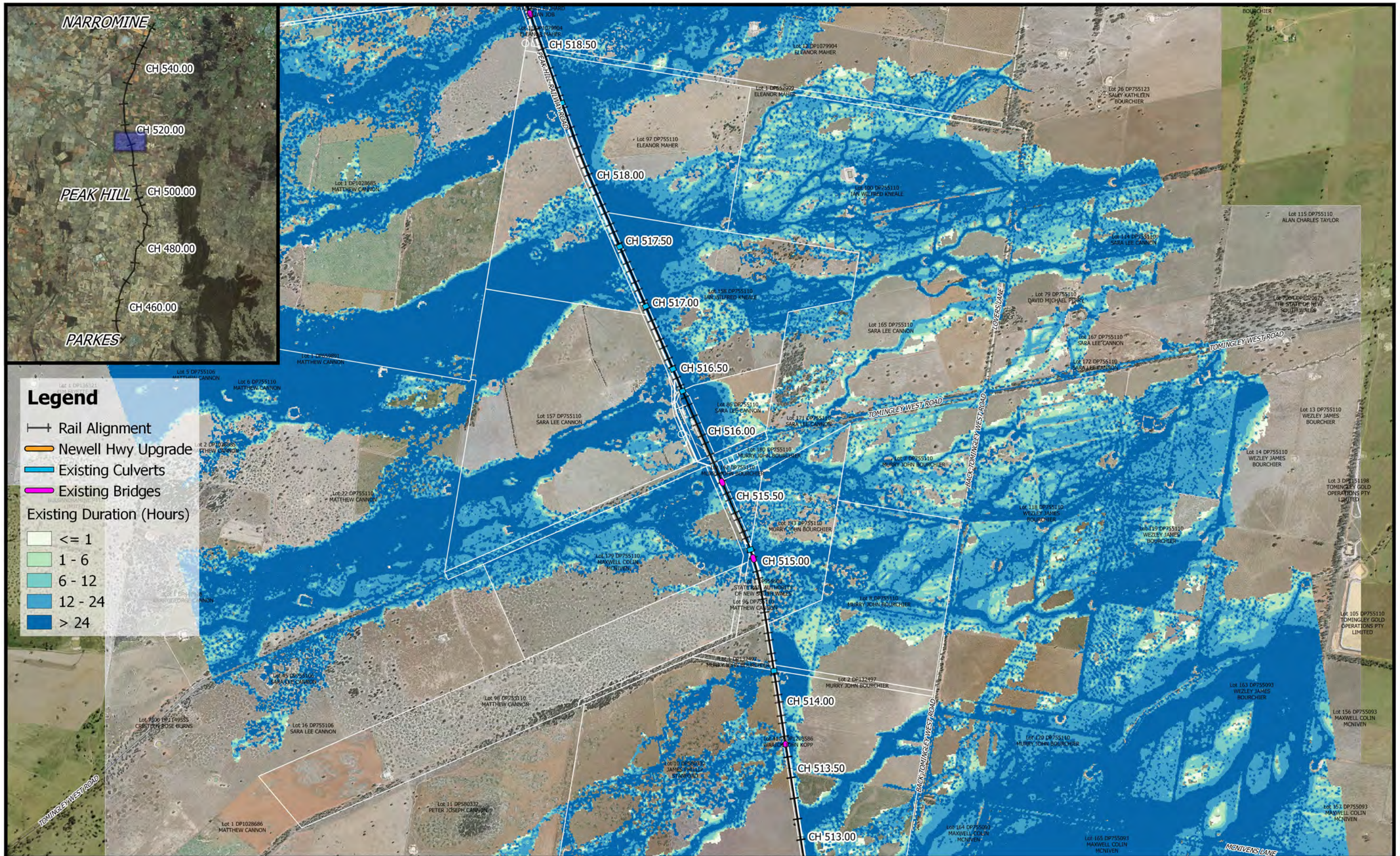
Date: 12/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D16
1% AEP Existing Flood Duration - CH 512.00



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24



0 250 500 750 1000 m

1:25,000

Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



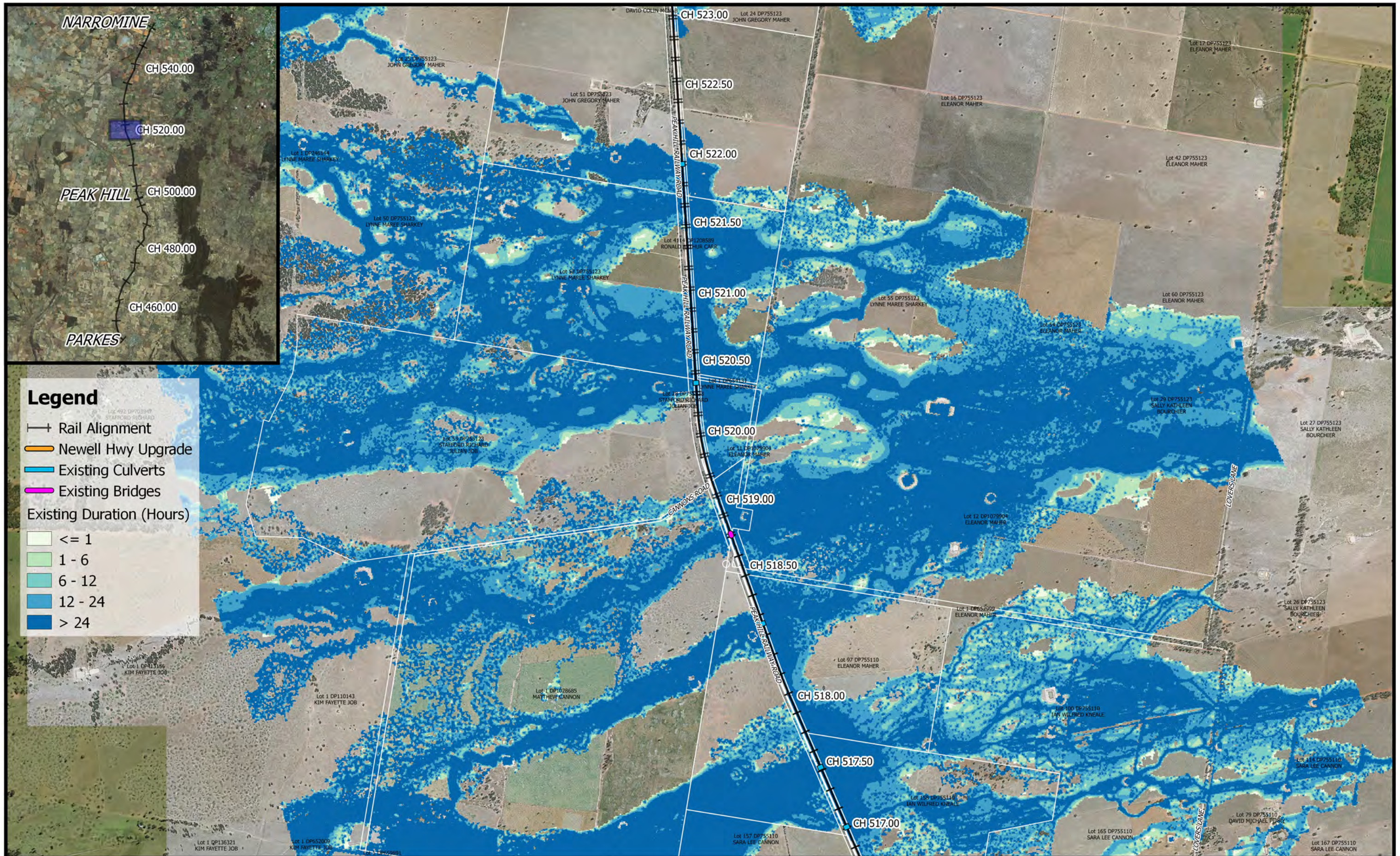
Date: 12/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D17
1% AEP Existing Flood Duration - CH 515.00



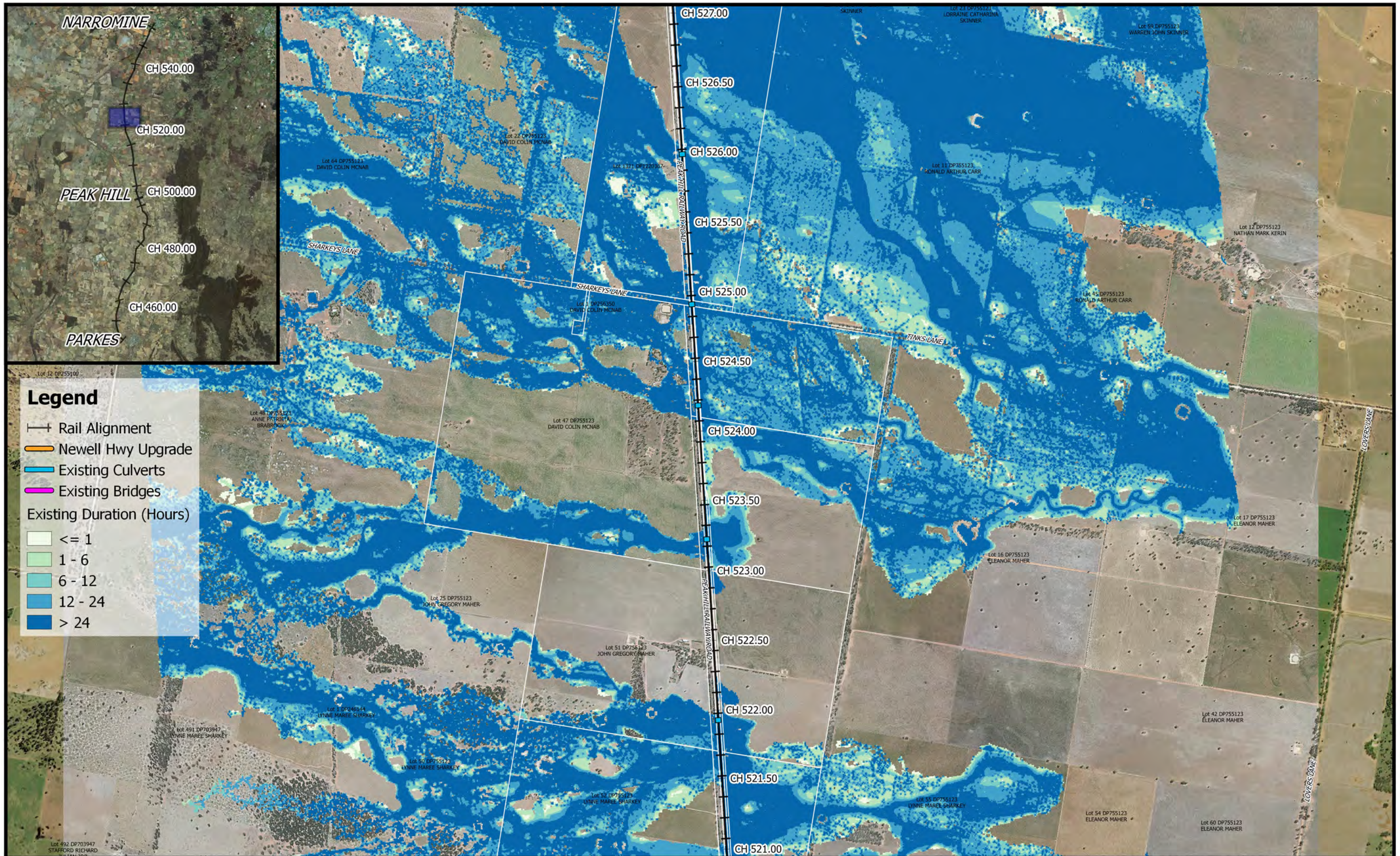
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>	<p>M M MOTT MACDONALD</p>	Date: 12/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX1D18 1% AEP Existing Flood Duration - CH 520.00</p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			



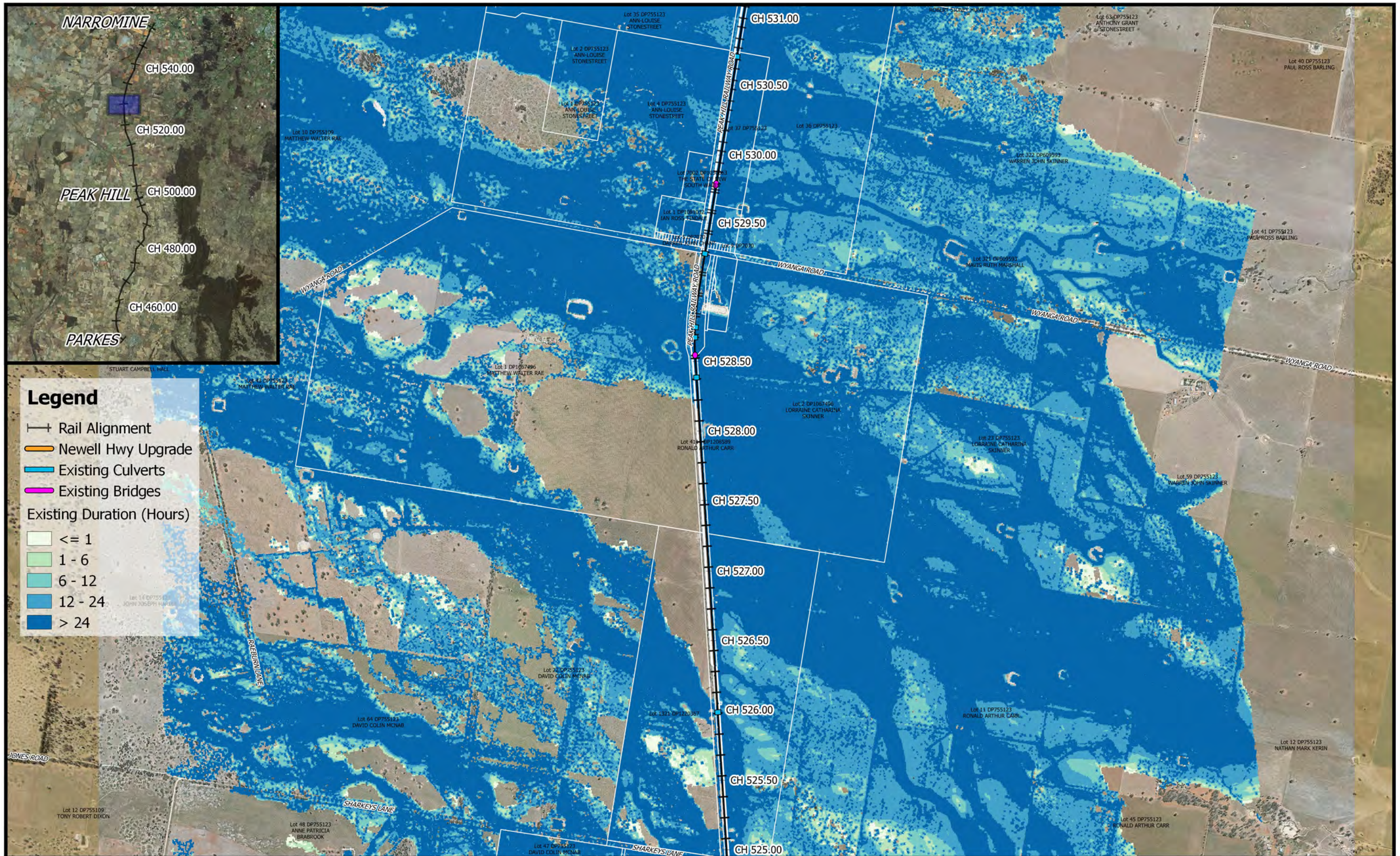
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	 1:25,000		Date: 12/7/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX1D19 <i>1% AEP Existing Flood Duration - CH 525.00</i>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			



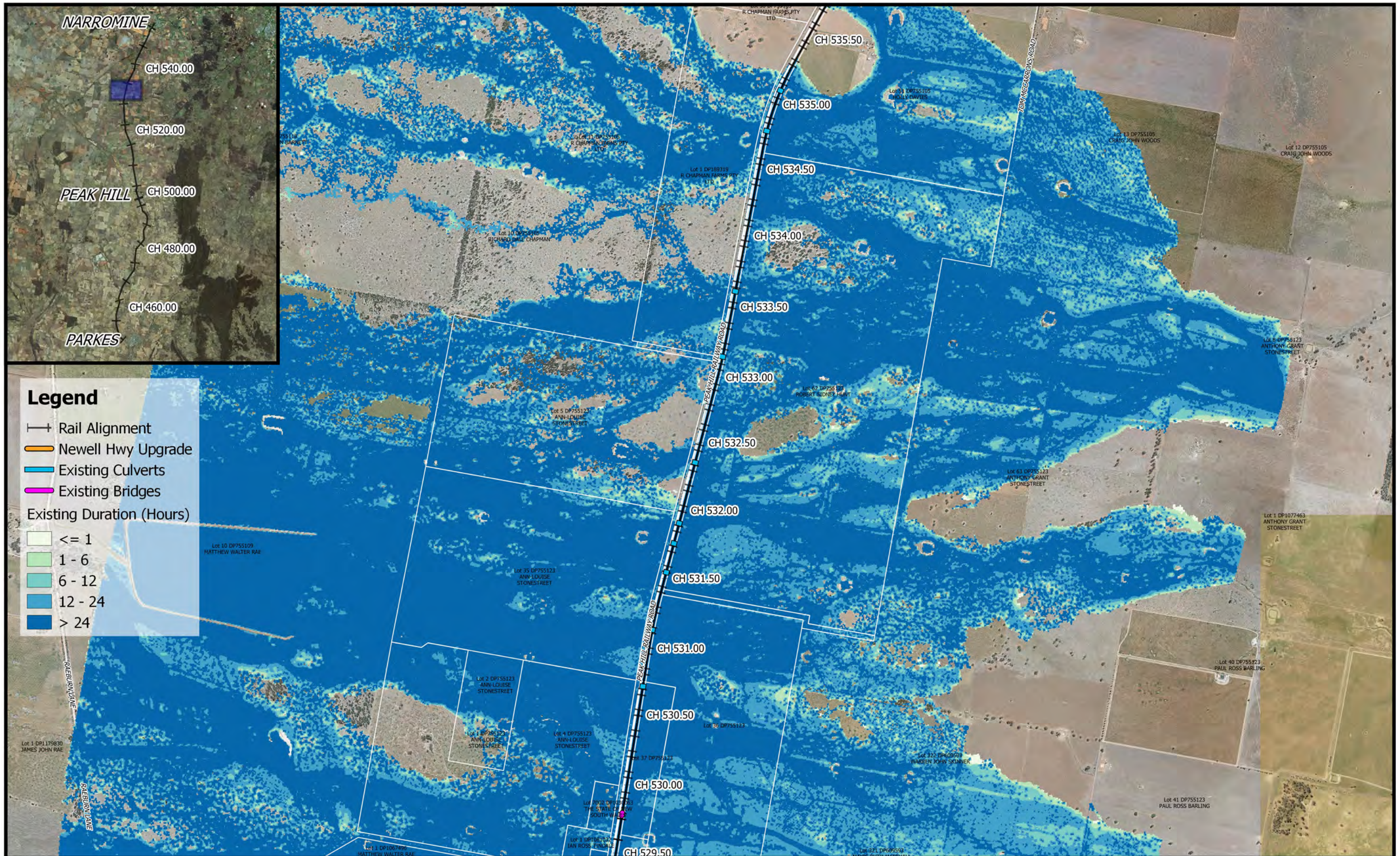
Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

Lightest Green	<= 1
Light Green	1 - 6
Medium Green	6 - 12
Dark Green	12 - 24
Blue	> 24

	 1:25,000		Date: 12/7/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX1D20 <i>1% AEP Existing Flood Duration - CH 530.00</i>	
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A		
			Prepared By: WhiteleyD		



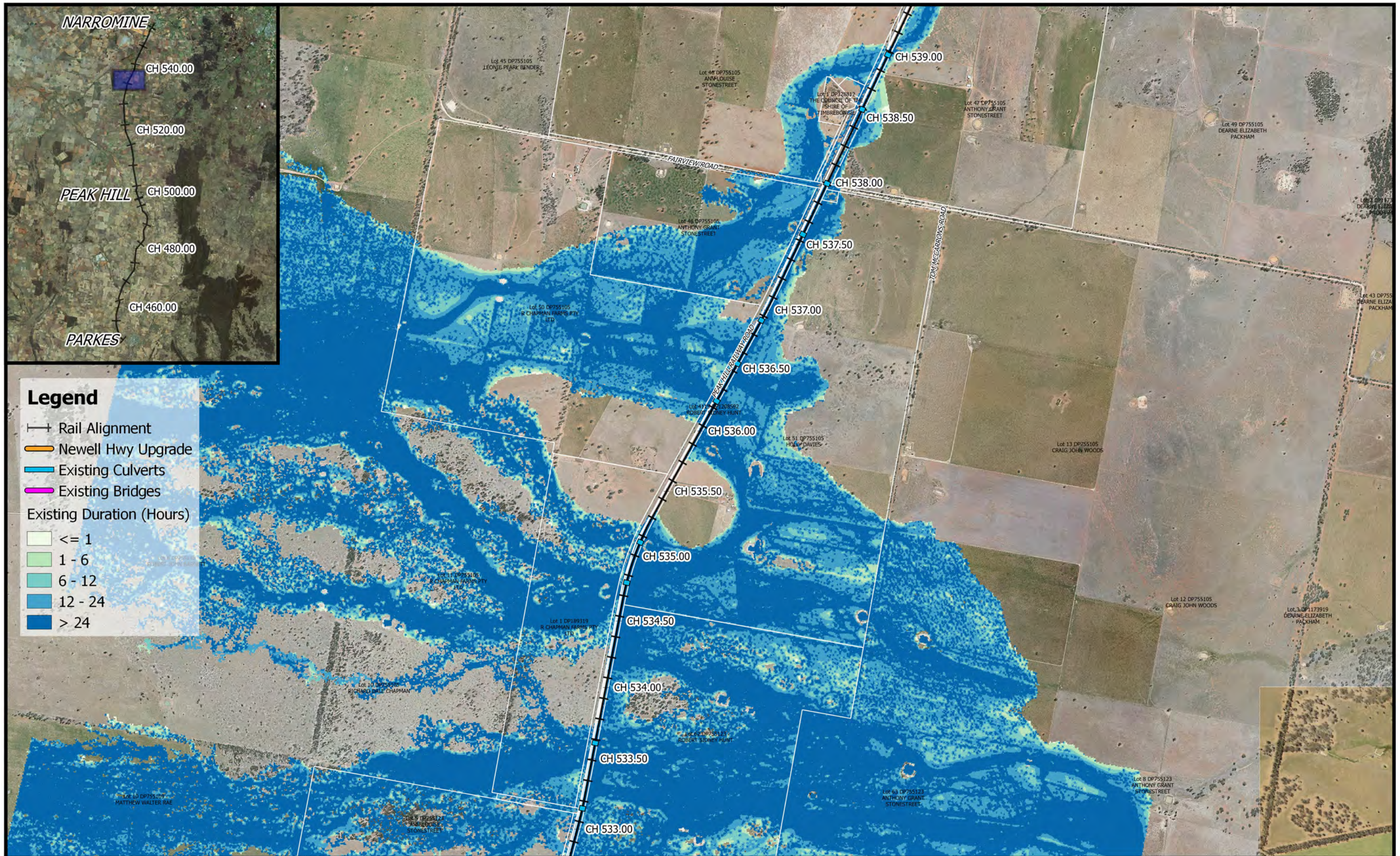
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

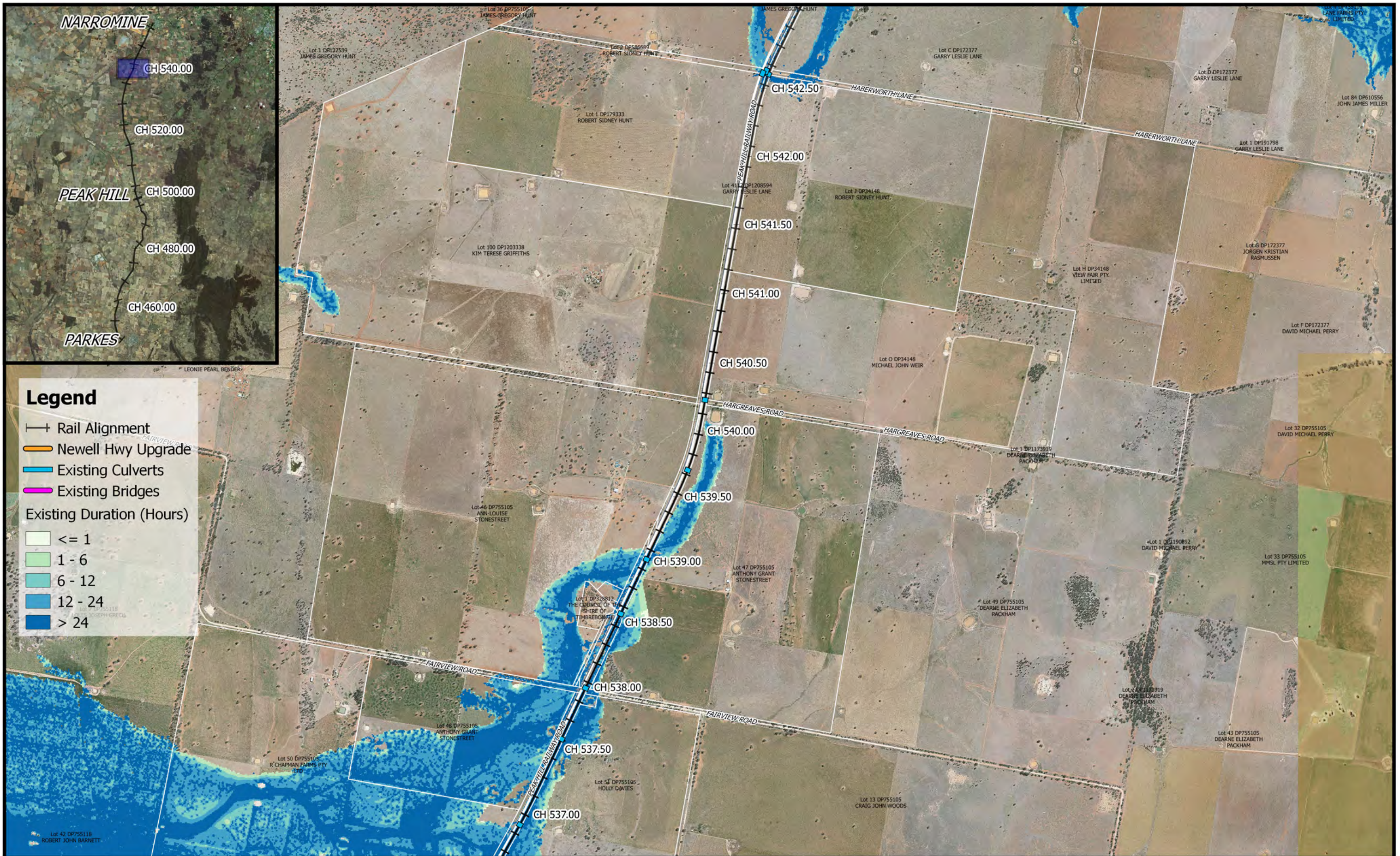
	 1:25,000		Date: 12/7/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX1D21 <i>1% AEP Existing Flood Duration - CH 533.00</i>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Duration (Hours)
- ≤ 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

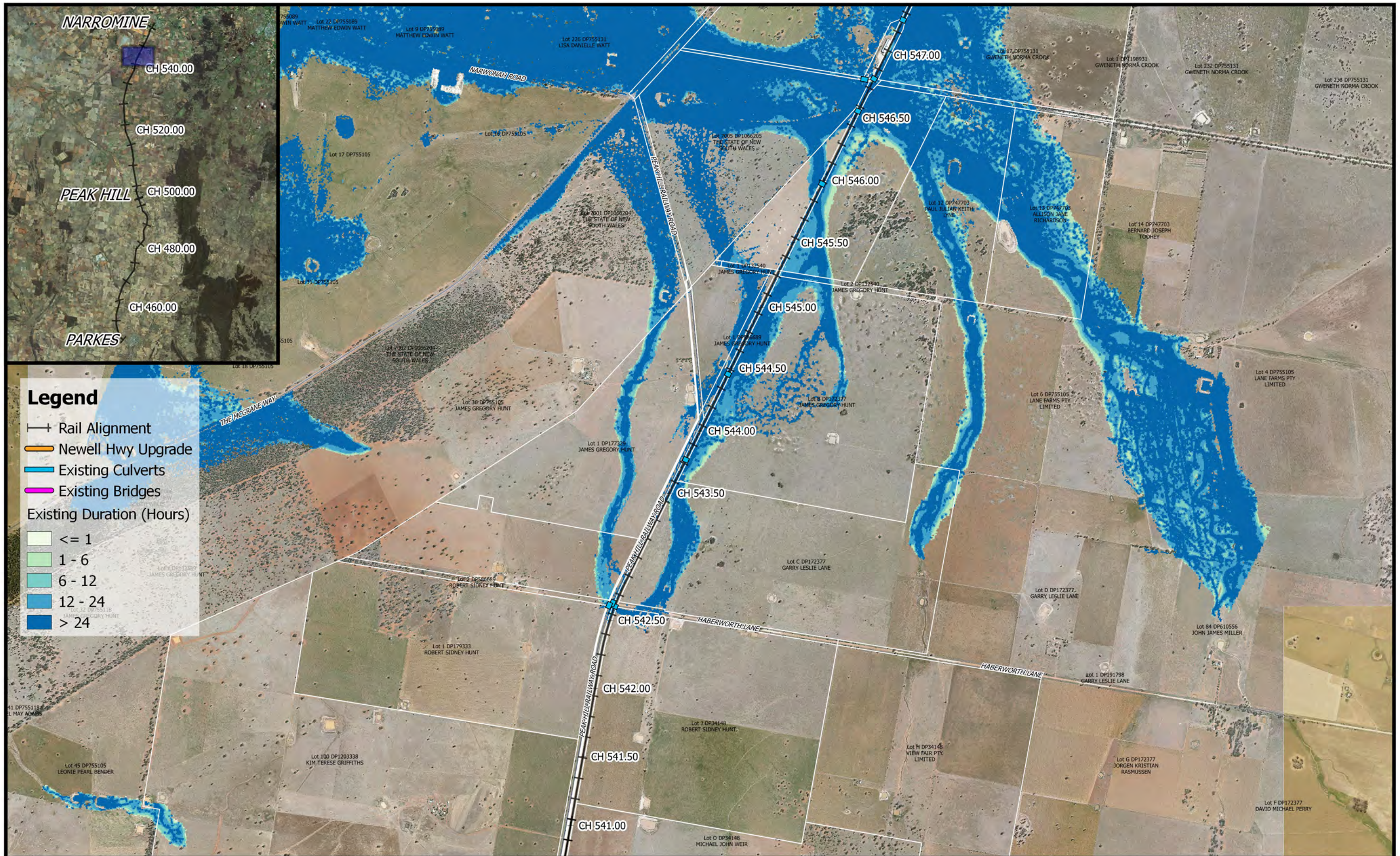
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	<p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Rev: A	
	Prepared By: WhiteleyD			



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Duration (Hours)
- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	 1:25,000		Date: 12/7/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX1D23 <i>1% AEP Existing Flood Duration - CH 540.00</i>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			

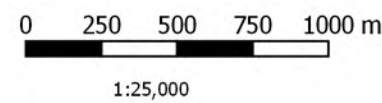


Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24



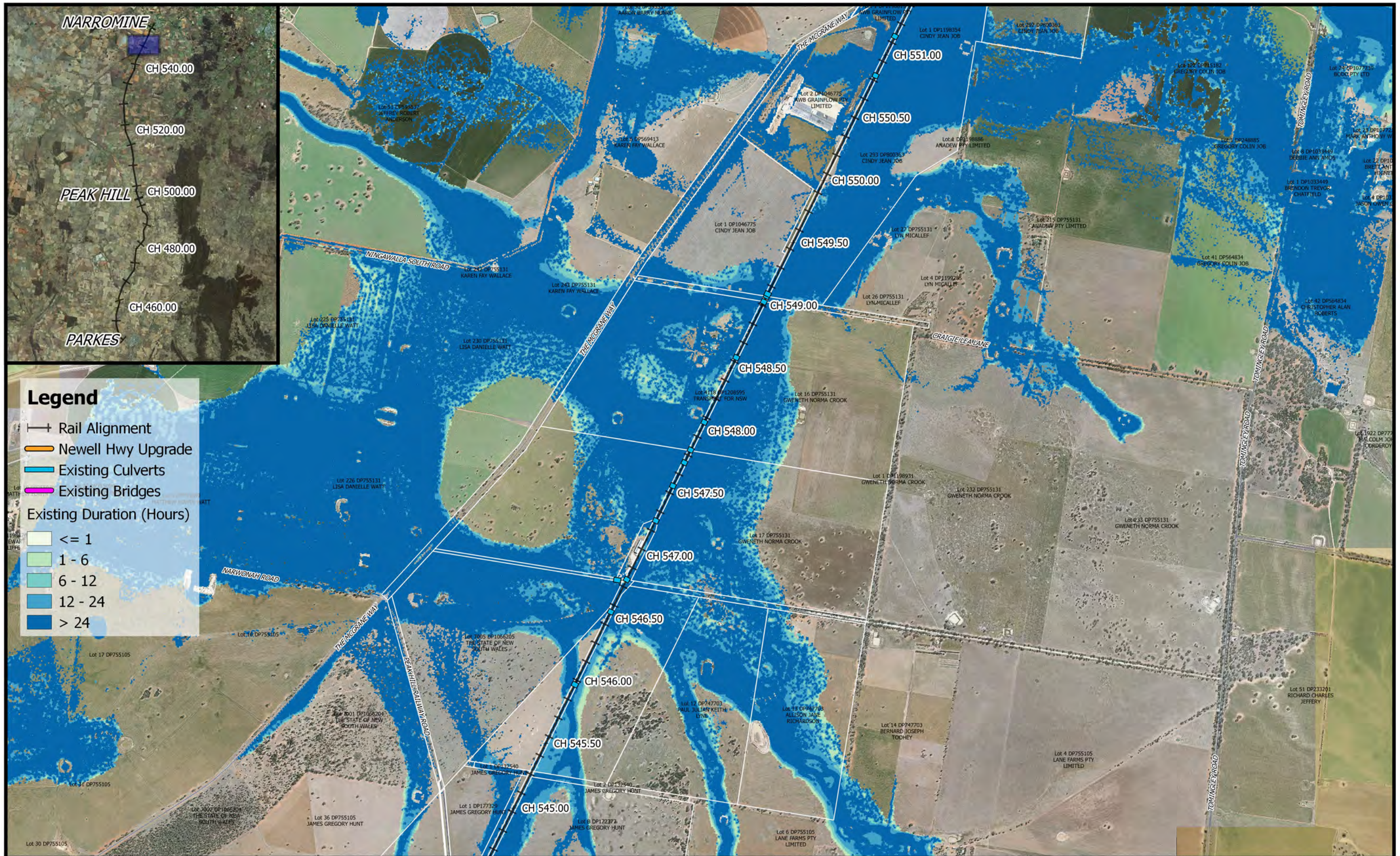
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Scale ratio correct when printed at A3



Date: 12/7/2018
Rev: A
Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D24
1% AEP Existing Flood Duration - CH 545.00



Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

- ≤ 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24



0 250 500 750 1000 m

1:25,000

Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



Date: 12/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX1D25
1% AEP Existing Flood Duration - CH 550.00