

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

Date: 18/10/2018

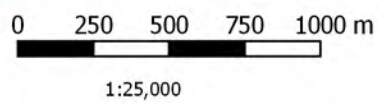
Rev: B

Prepared By: YeohM

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

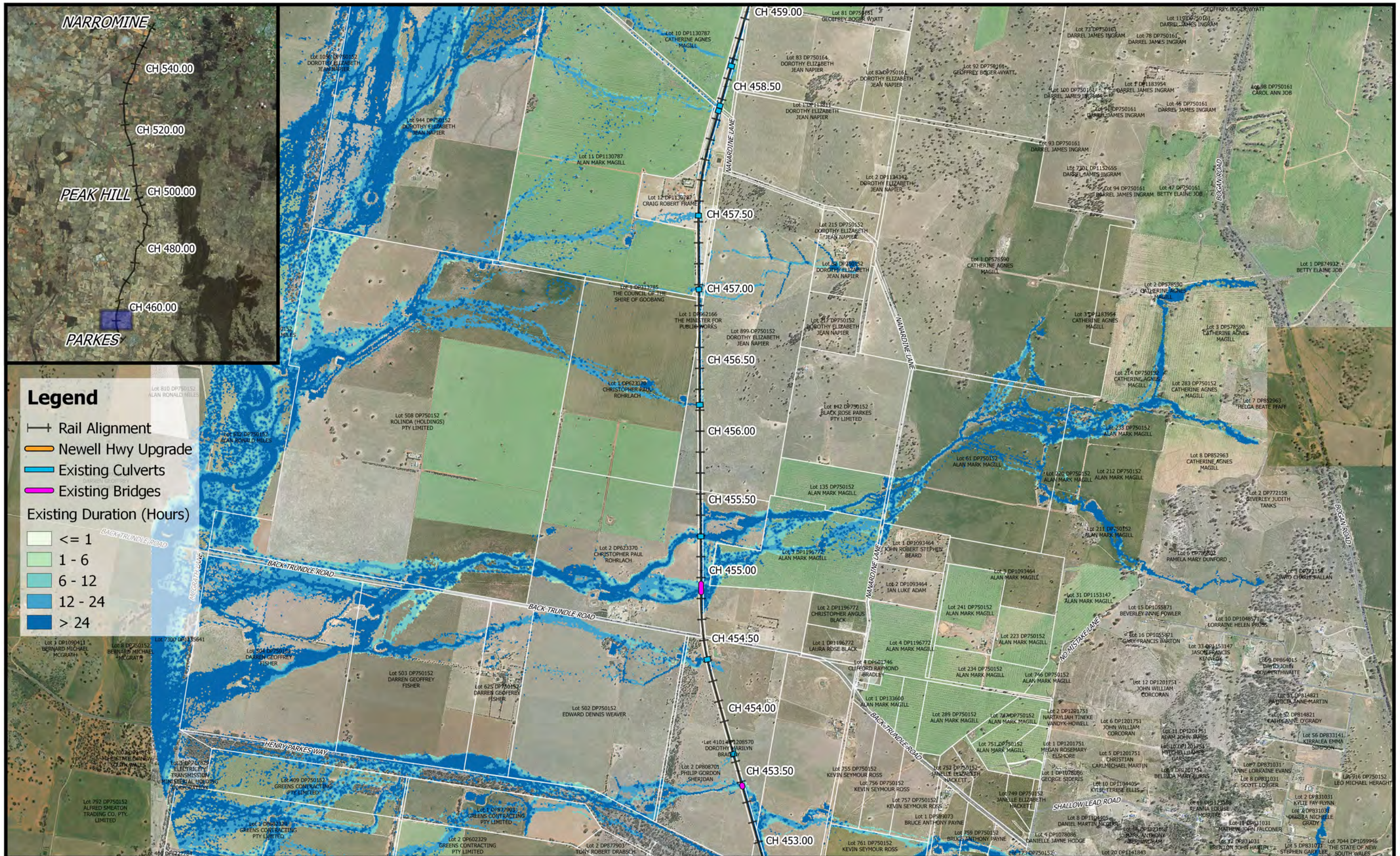
Figure EX39D1

39% AEP Existing Flood Duration - CH 450.00

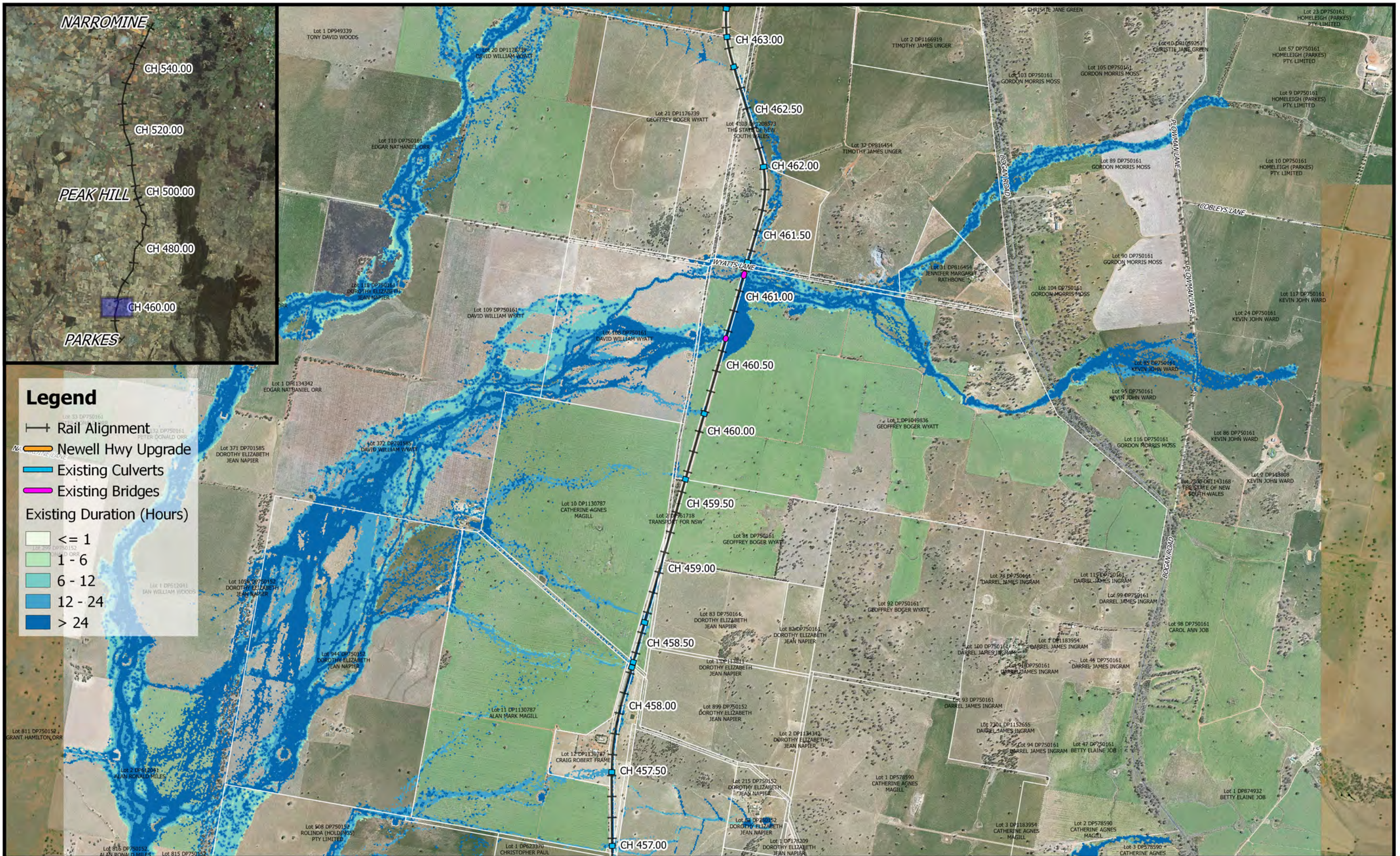


Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3

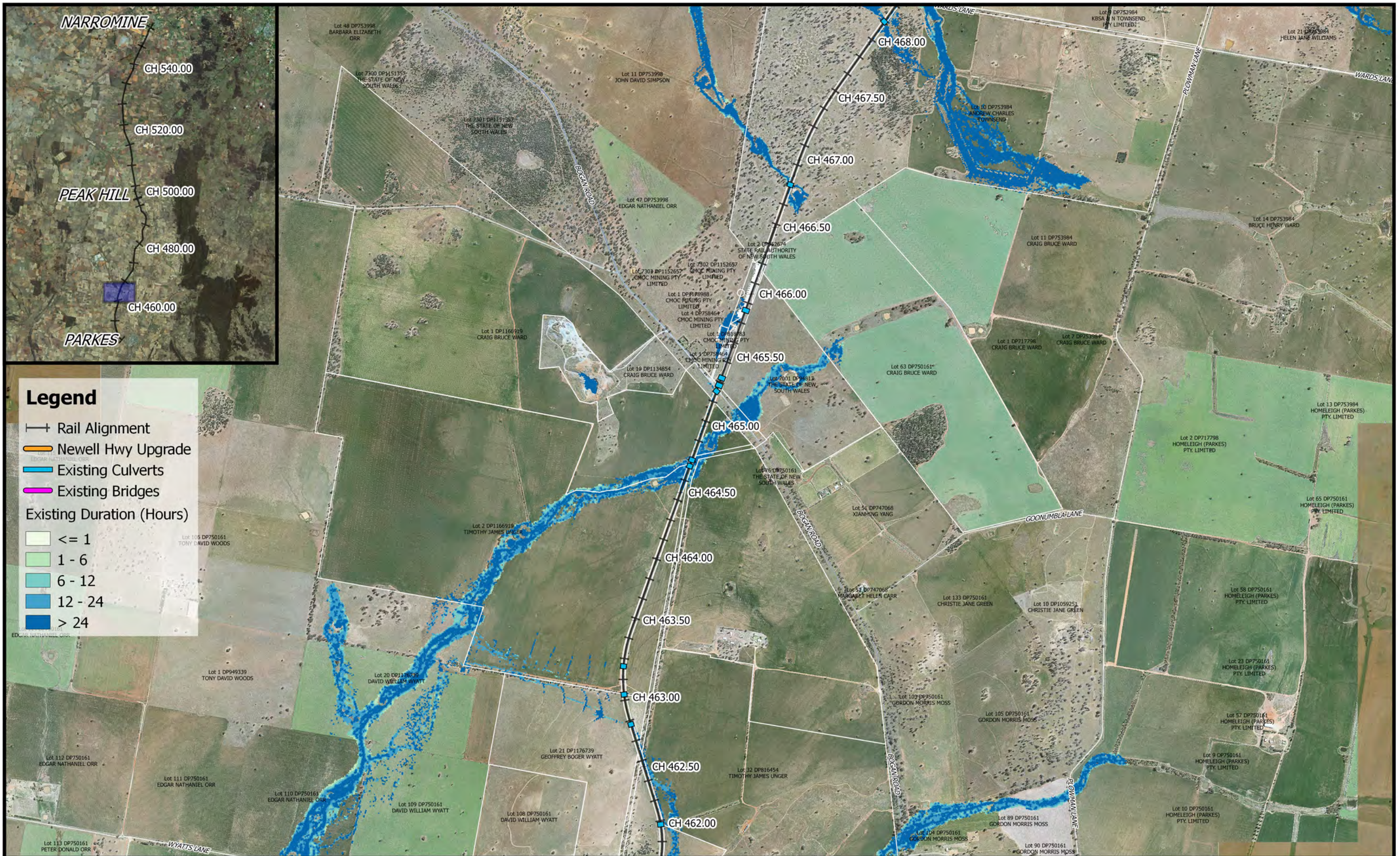




	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 18/10/2018	<p align="center">Parkes to Narromine</p> <p align="center">DD100% - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure EX39D2</p> <p align="right"><i>39% AEP Existing Flood Duration - CH 455.00</i></p>
			Rev: B	
			Prepared By: YeohM	



	 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 EX39D3 39% AEP Existing Flood Duration - CH 460.00
			Rev: A	
			Prepared By: WhiteleyD	



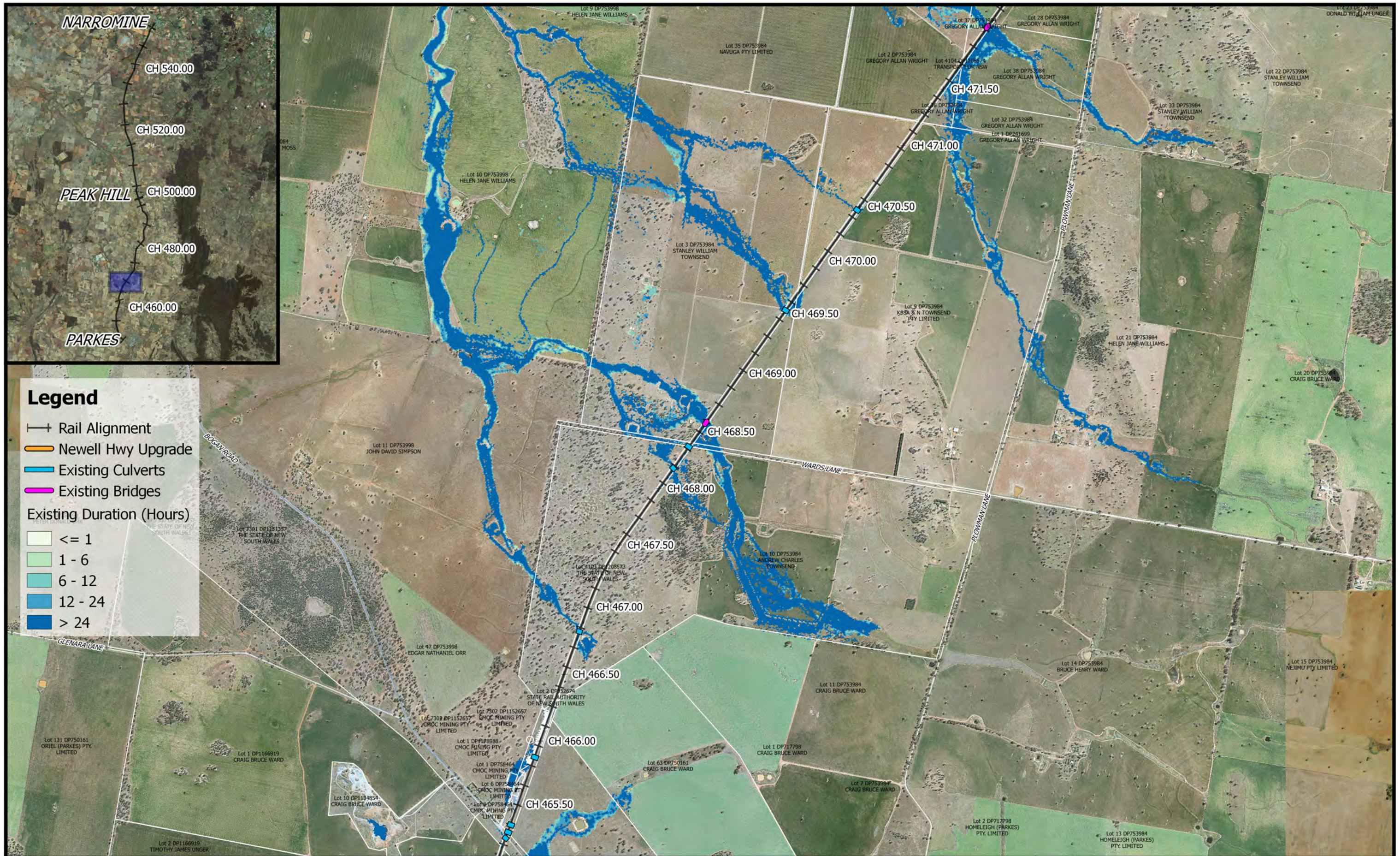
Legend

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

Existing Duration (Hours)

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

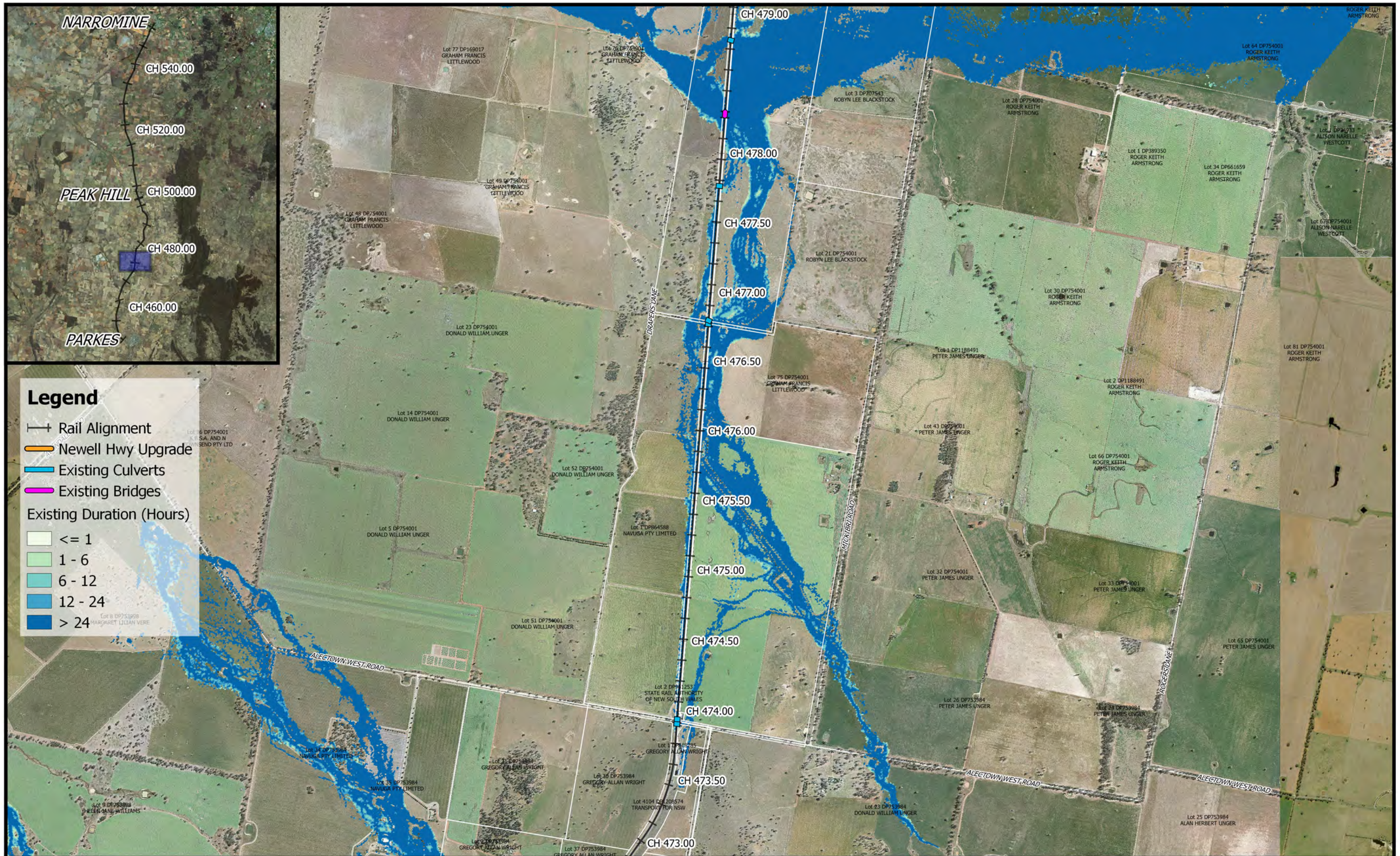
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	Rev: B			
	Prepared By: YeohM			



	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 18/10/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results
	Rev: B		Figure EX39D5 <i>39% AEP Existing Flood Duration - CH 470.00</i>	
	Prepared By: YeohM			



	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Date: 18/10/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX39D6 39% AEP Existing Flood Duration - CH 472.00
			Rev: B	
			Prepared By: YeohM	



Legend

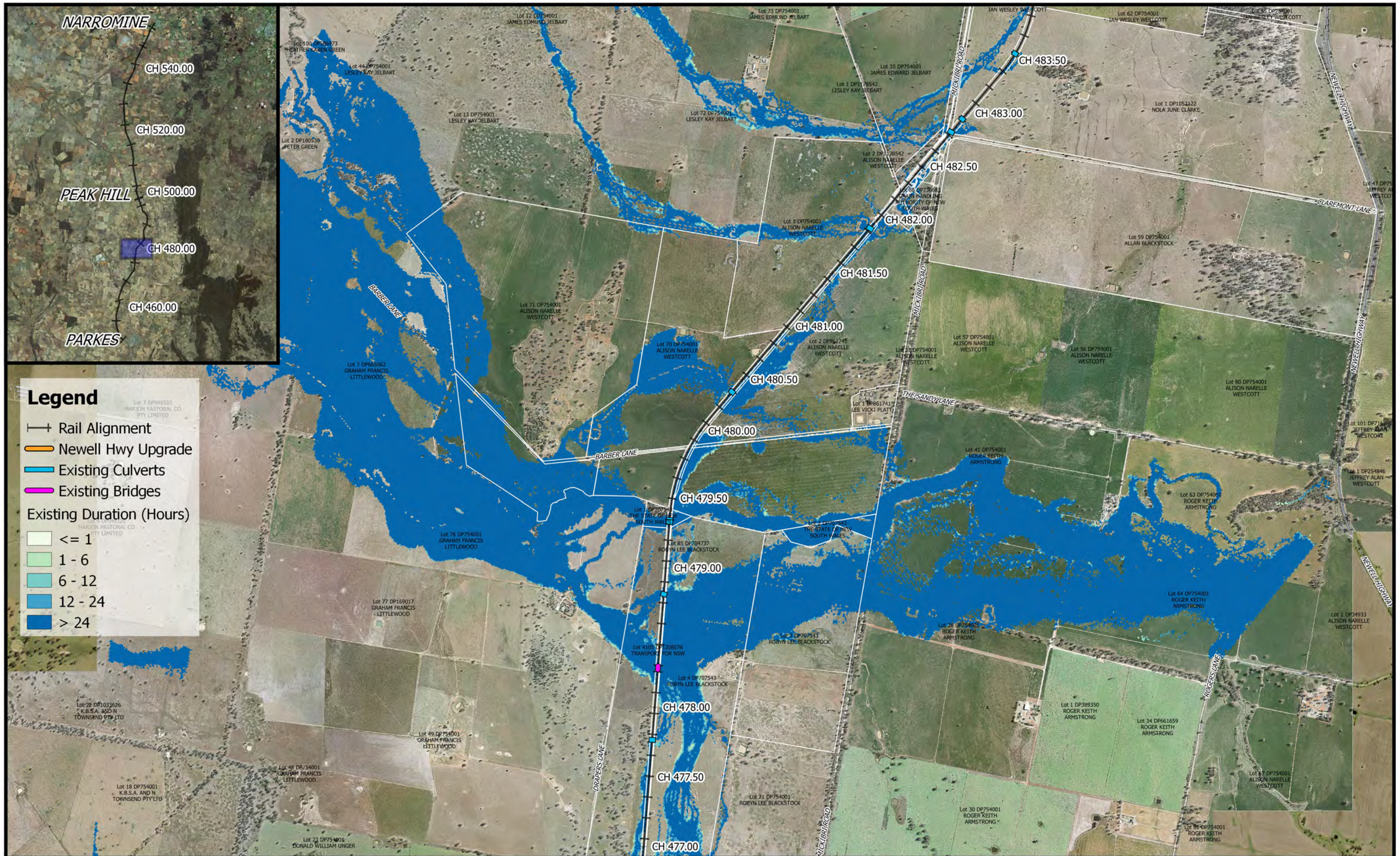
- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

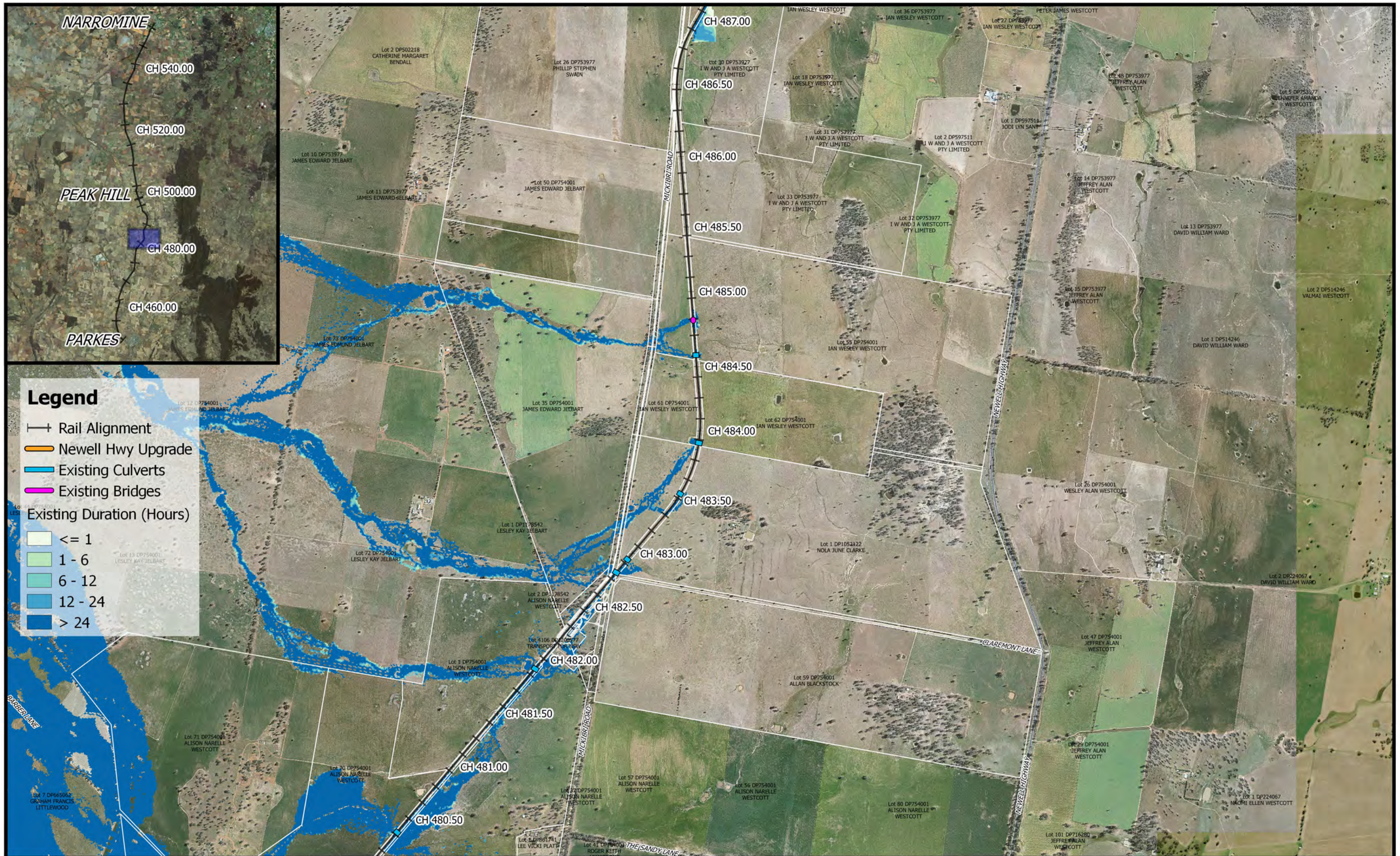
- <= 1
- 1 - 6
- 6 - 12
- 12 - 24
- > 24

	 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 EX39D7 <i>39% AEP Existing Flood Duration - CH 475.00</i>
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			Rev: B	
			Prepared By: YeohM	

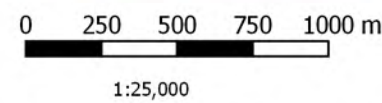


Legend

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

Existing Duration (Hours)

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



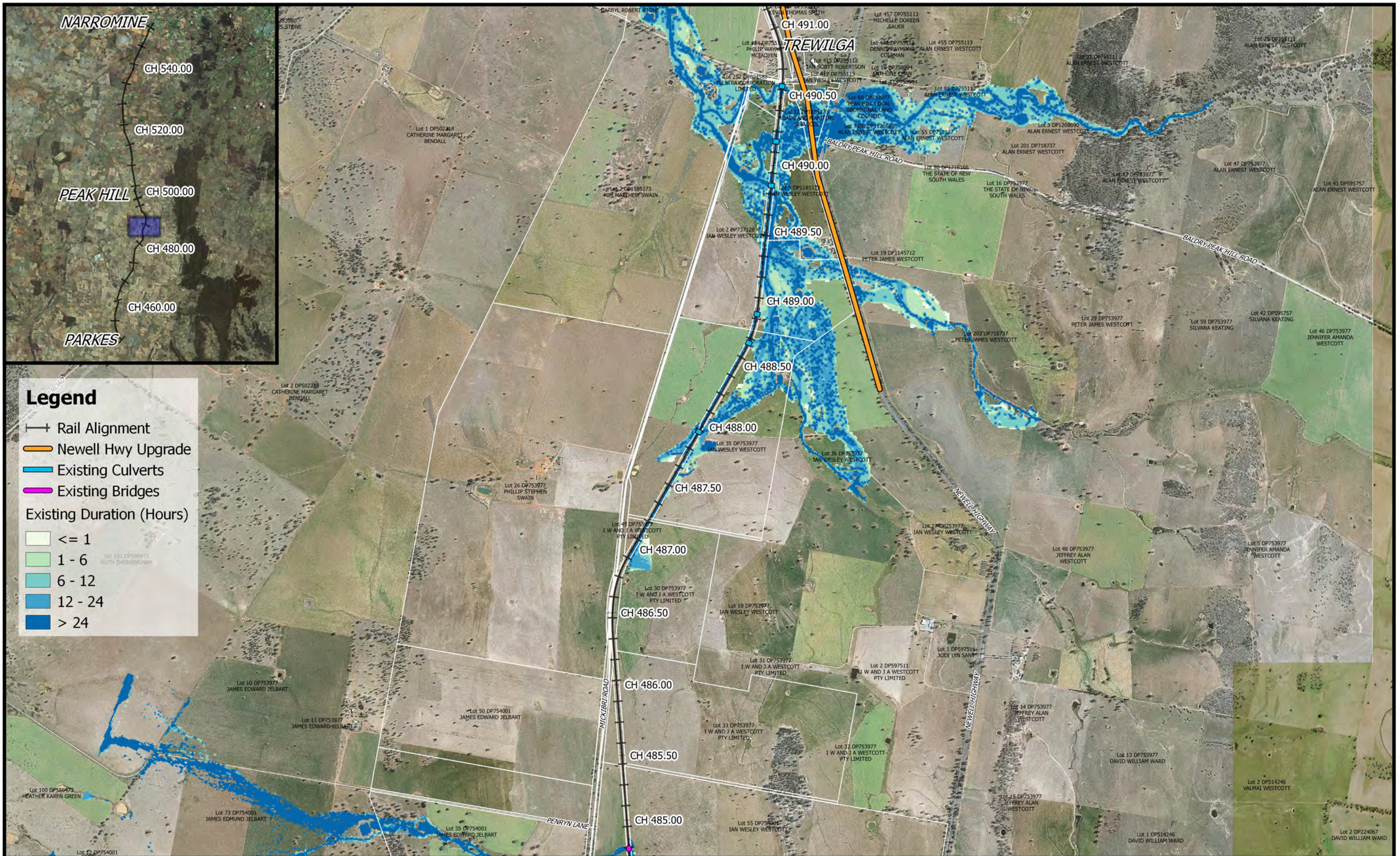
Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



Date: 18/10/2018
Rev: B
Prepared By: YeohM

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

Figure EX39D9
39% AEP Existing Flood Duration - CH 485.00



Legend

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

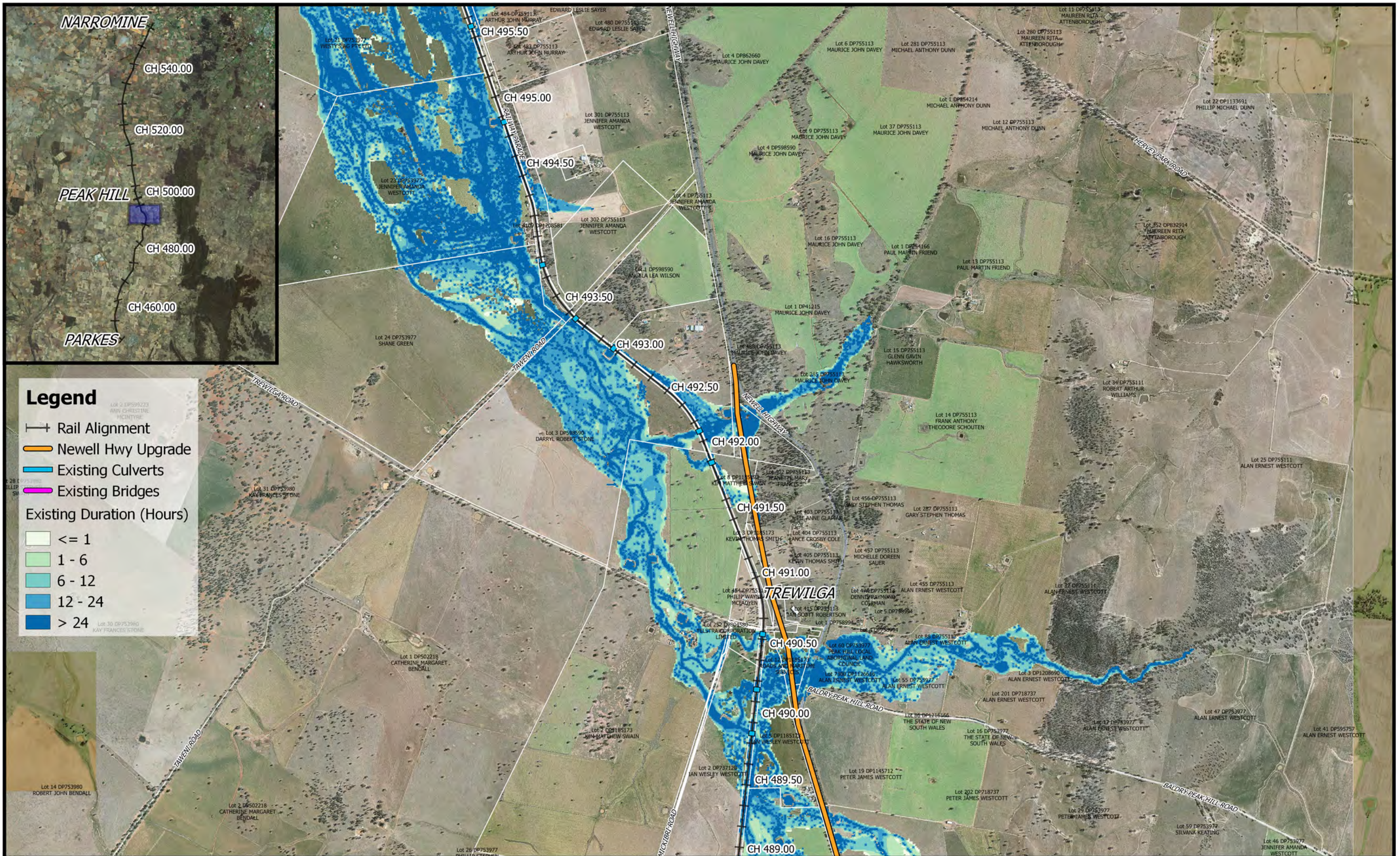
Date: 18/10/2018

Rev: B

Prepared By: YeohM

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

Figure EX39D10
39% AEP Existing Flood Duration - CH 490.00



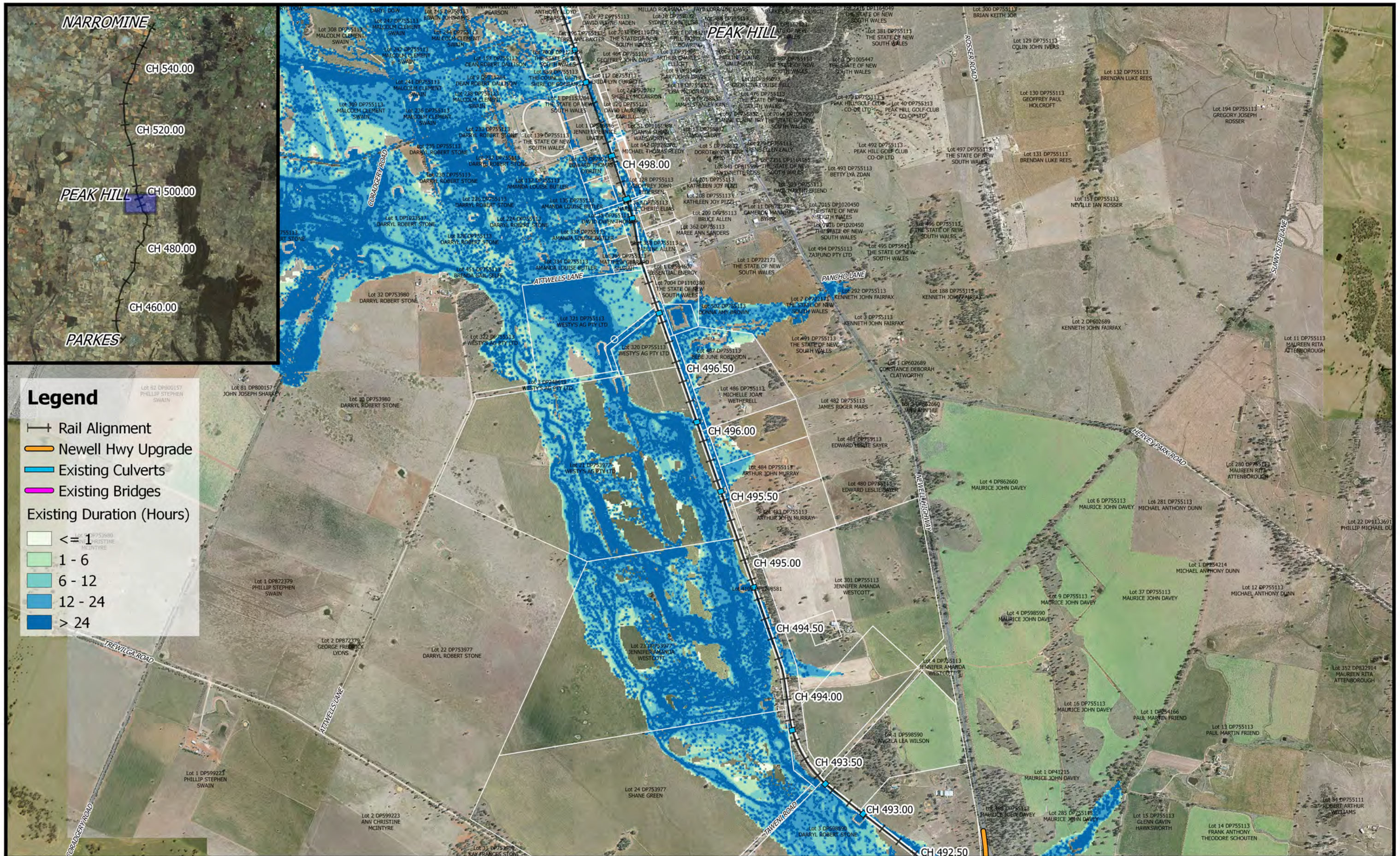
Legend

- 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>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 12/7/2018	<p>Parkes to Narromine</p> <p>DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39D11</p> <p><i>39% AEP Existing Flood Duration - CH 492.00</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

Date: 12/7/2018

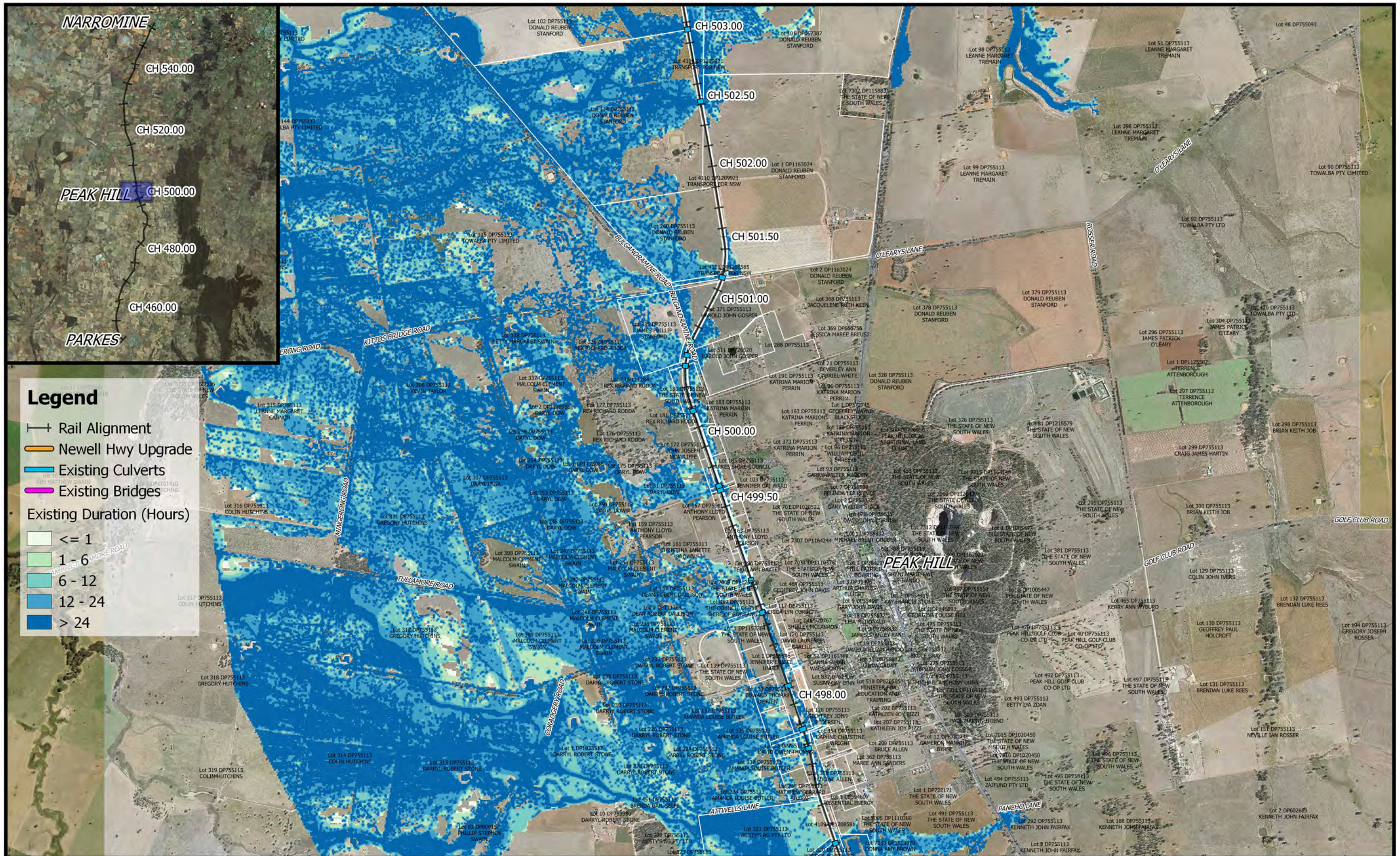
Rev: A

Prepared By: WhiteleyD

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

Figure EX39D12

39% AEP Existing Flood Duration - CH 495.00



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

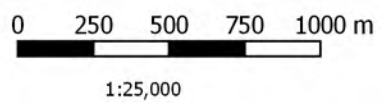
Prepared By: WhiteleyD



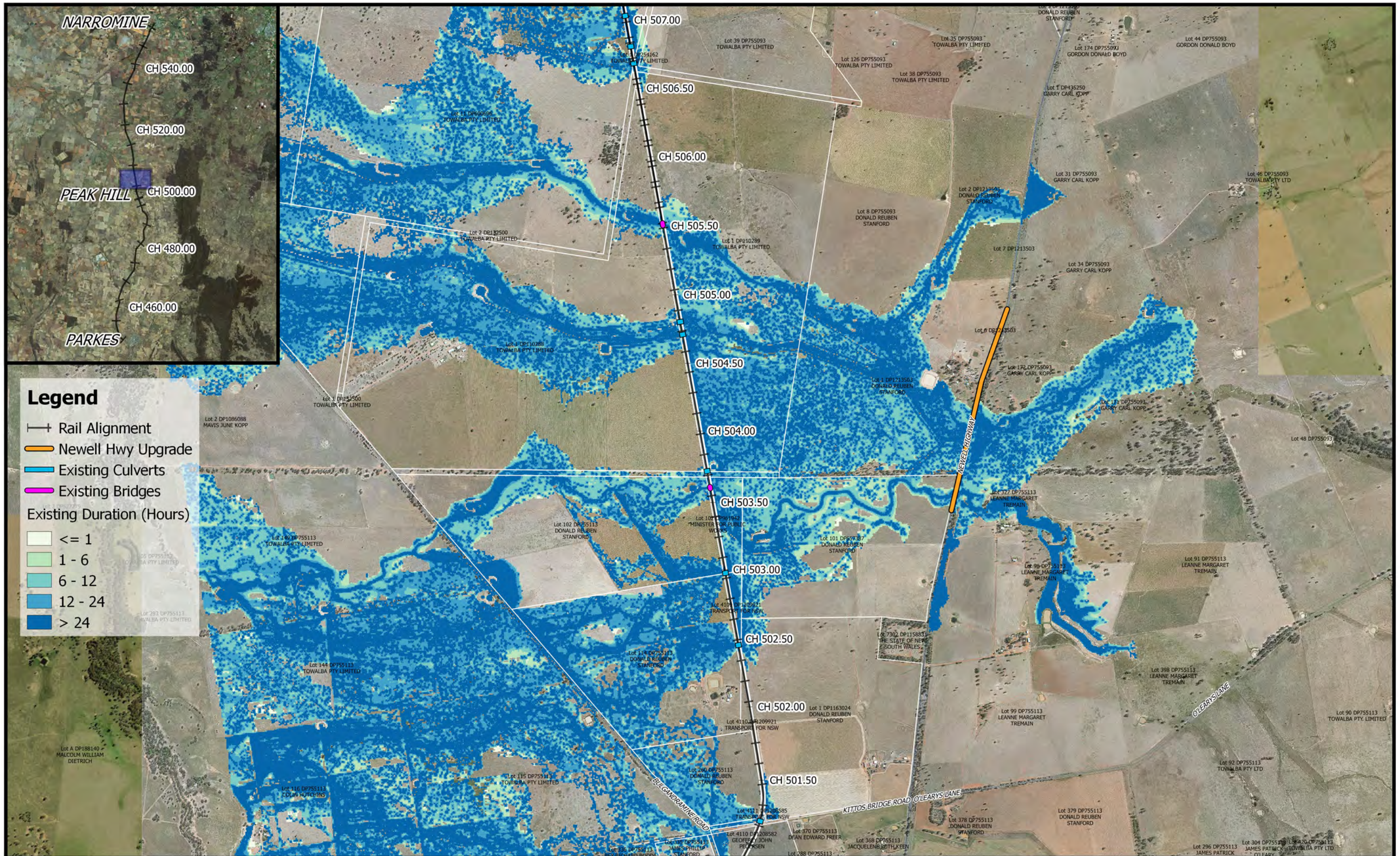
Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX39D13

39% AEP Existing Flood Duration - CH 500.00



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



0 250 500 750 1000 m

1:25,000

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



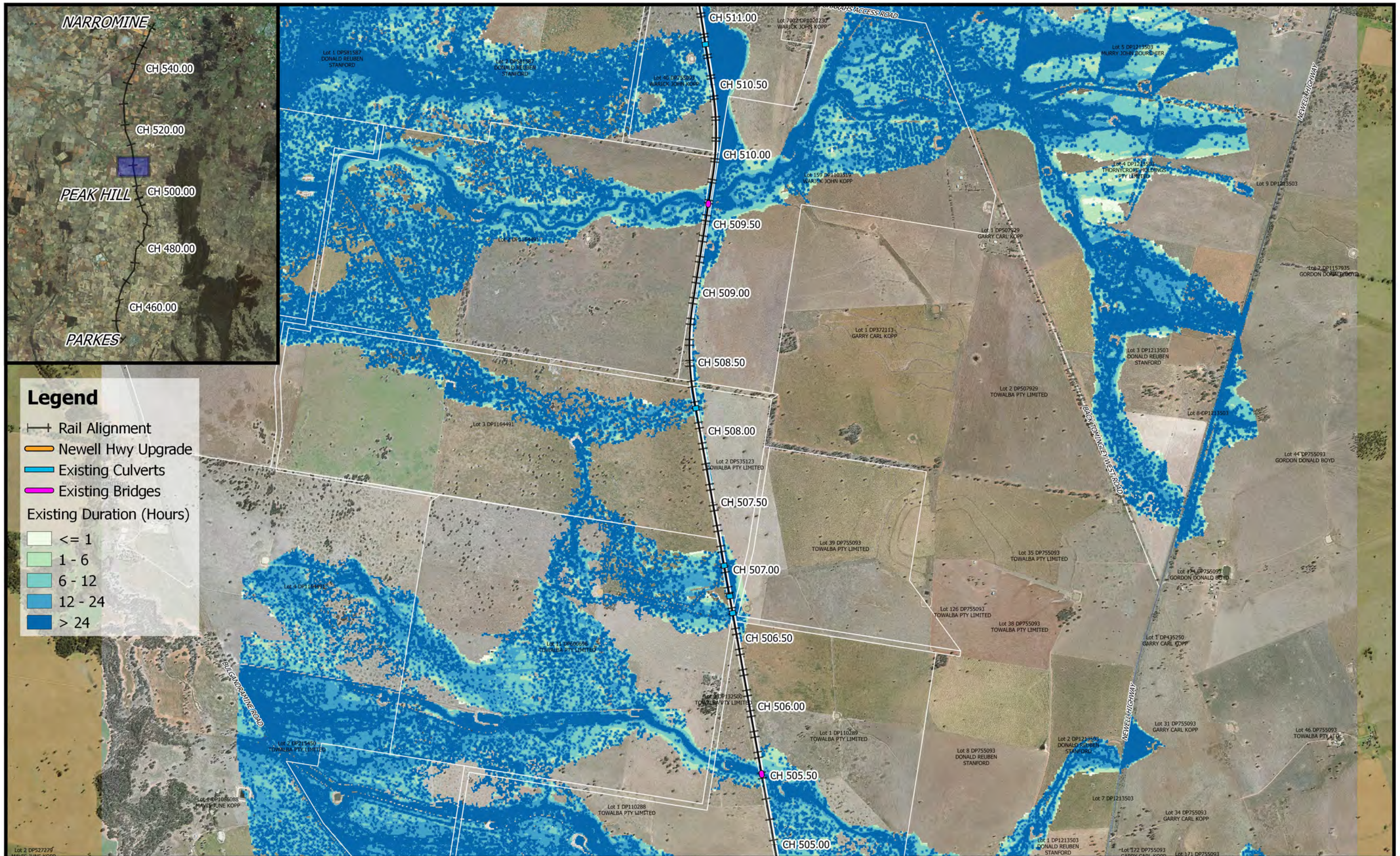
Date: 12/7/2018

Rev: A

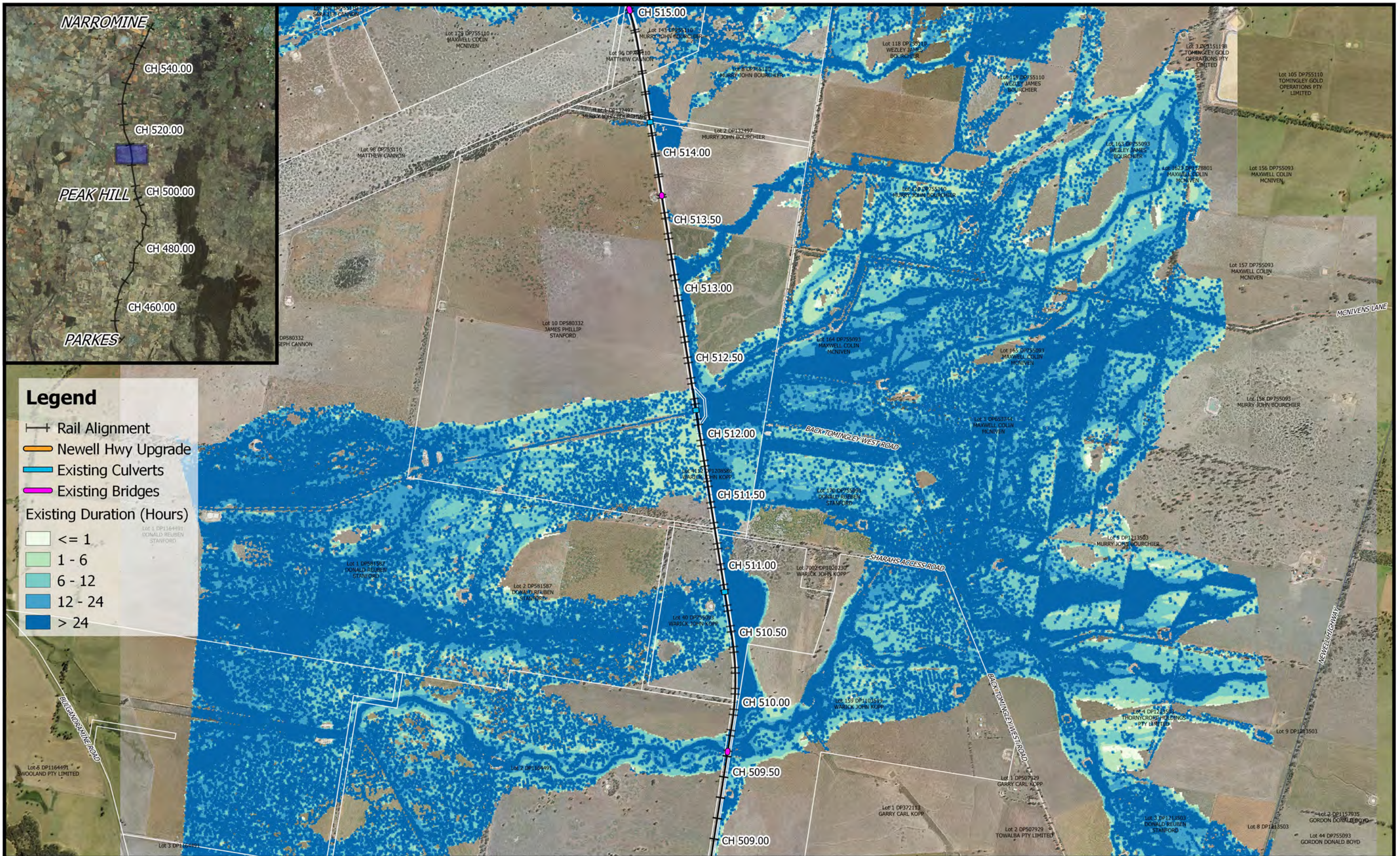
Prepared By: WhiteleyD

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

Figure EX39D14
39% AEP Existing Flood Duration - CH 505.00



	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55</p> <p>Scale ratio correct when printed at A3</p>		Date: 12/7/2018	<p align="center">Parkes to Narromine</p> <p align="center">DD100% - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure EX39D15</p> <p align="right"><i>39% AEP Existing Flood Duration - CH 510.00</i></p>
			Rev: A	
			Prepared By: WhiteleyD	



Legend

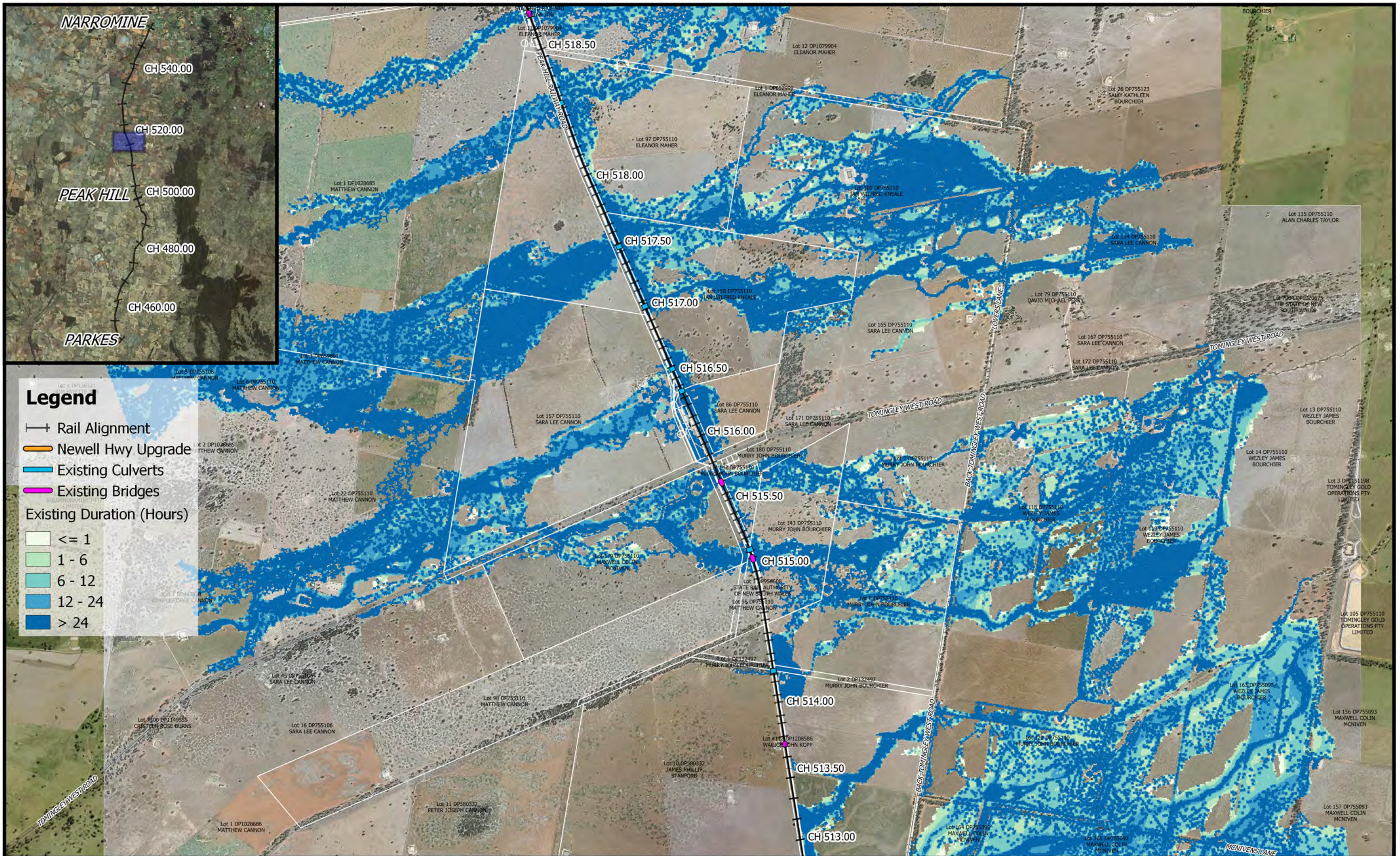
- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges

Existing Duration (Hours)

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

	<p>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>	<p>M M MOTT MACDONALD</p>	Date: 12/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39D16 39% AEP Existing Flood Duration - CH 512.00</p>
	<p>Rev: A</p> <p>Prepared By: WhiteleyD</p>			

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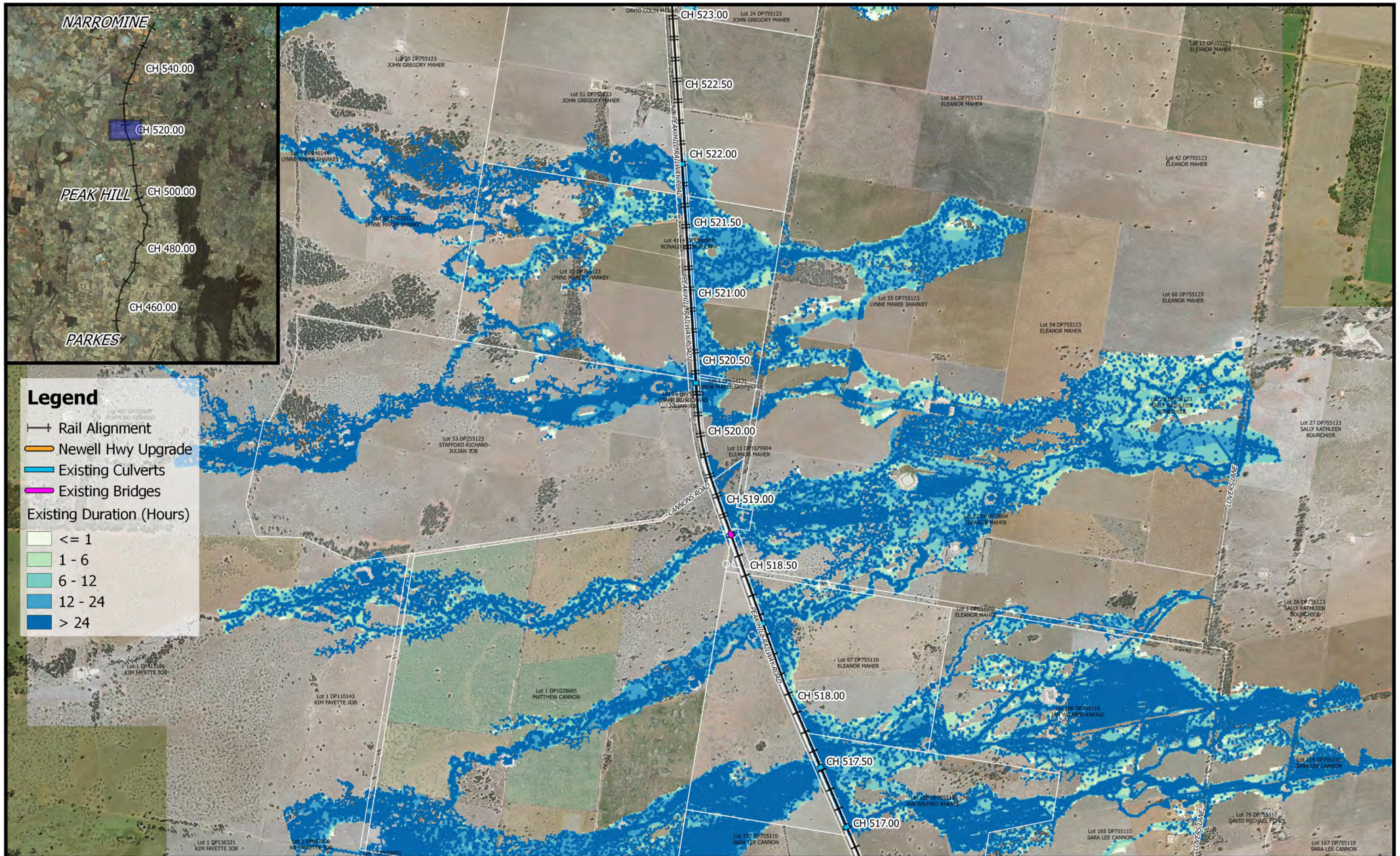
Legend

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

Existing Duration (Hours)

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

	<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 EX39D17 39% AEP Existing Flood Duration - CH 515.00</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

Date: 12/7/2018

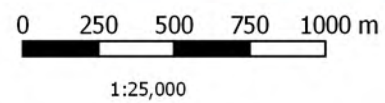
Rev: A

Prepared By: WhiteleyD

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

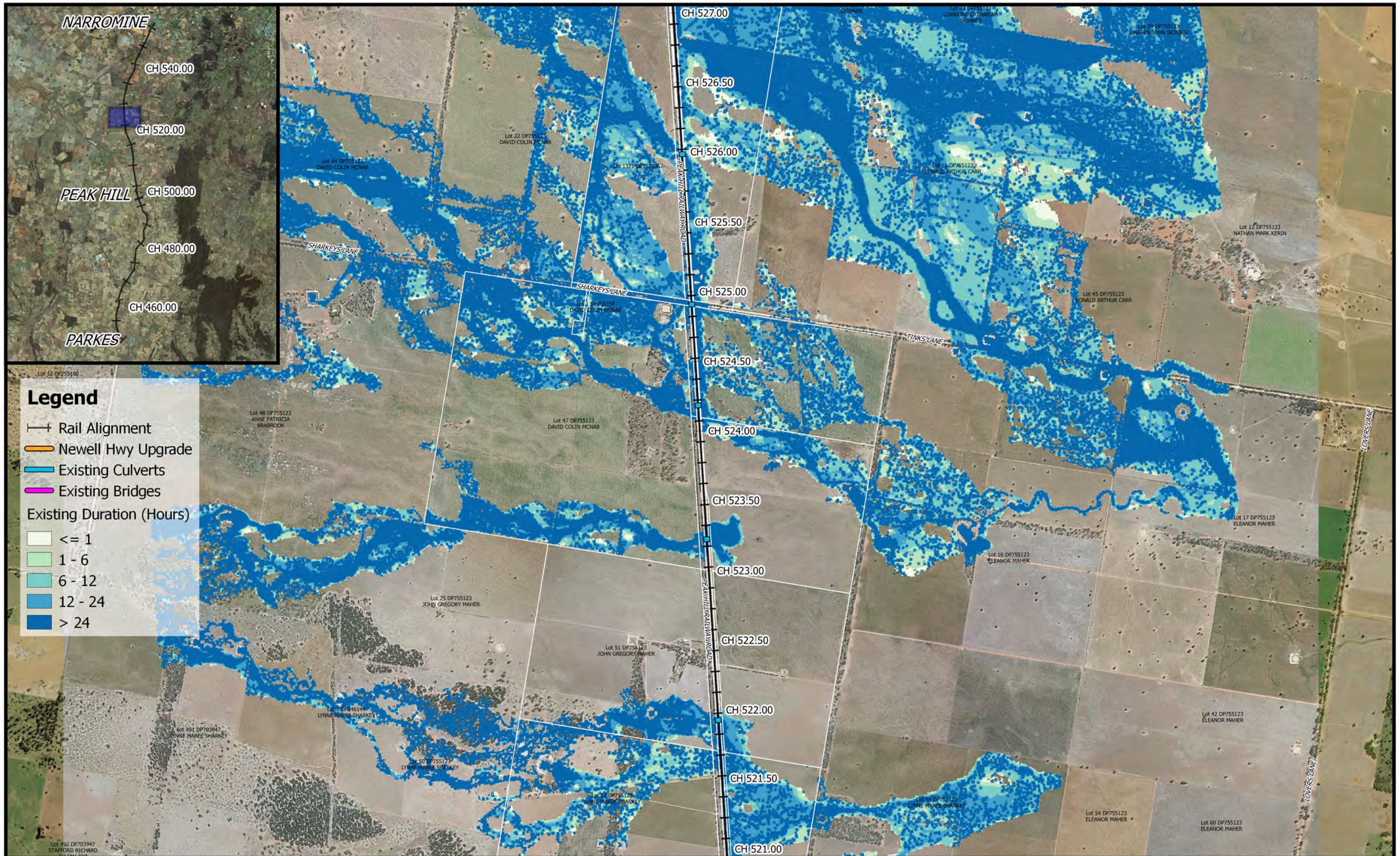
Figure EX39D18

39% AEP Existing Flood Duration - CH 520.00



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





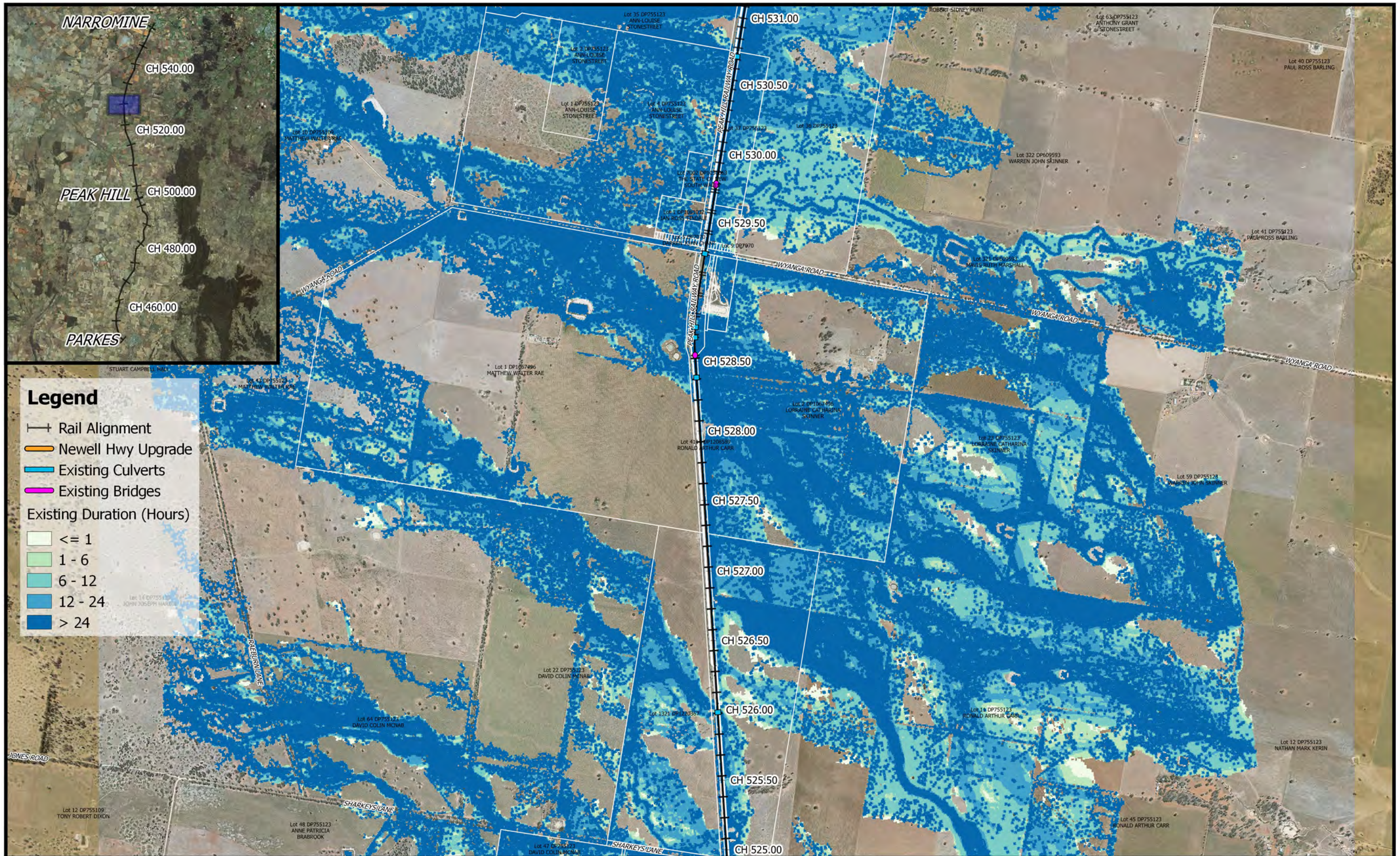
Legend

- +— 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 EX39D19 39% AEP Existing Flood Duration - CH 525.00</p>
			Rev: A	



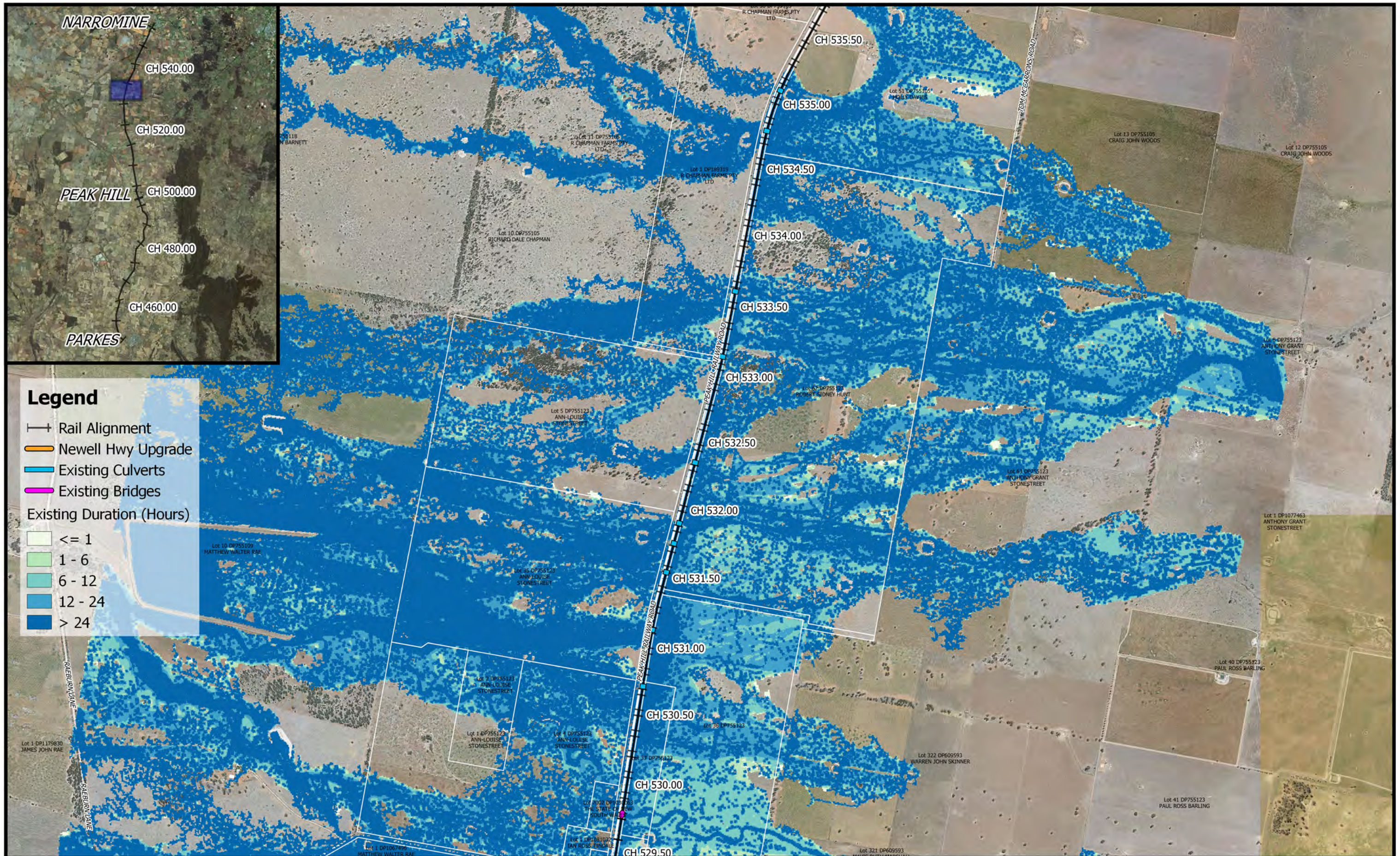
Legend

- 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>		Date: 12/7/2018	<p>Parkes to Narromine</p> <p>DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39D20</p> <p><i>39% AEP Existing Flood Duration - CH 530.00</i></p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			



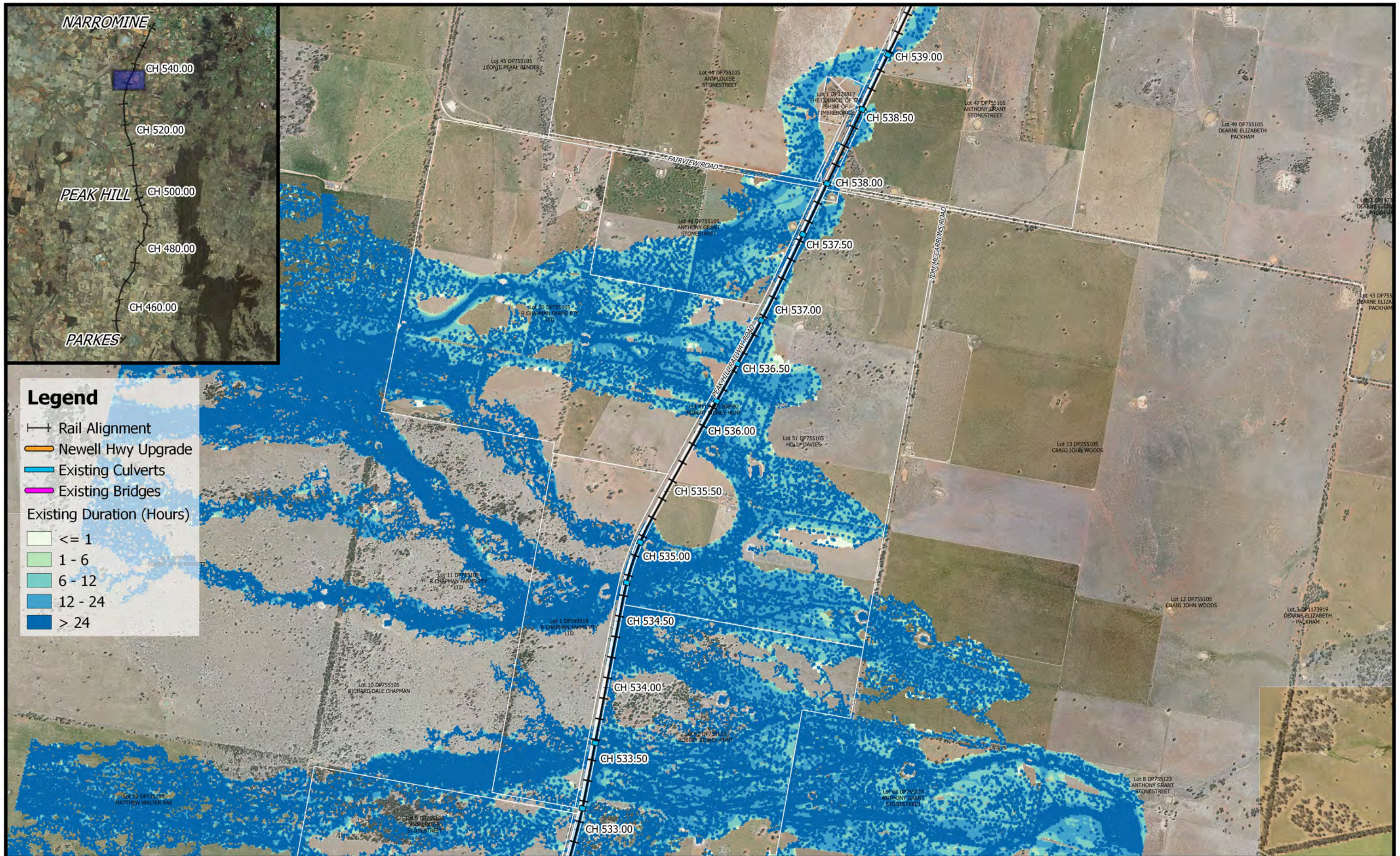
Legend

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

Existing Duration (Hours)

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

	<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 EX39D21 39% AEP Existing Flood Duration - CH 533.00</p>
	<p>Rev: A</p> <p>Prepared By: WhiteleyD</p>			



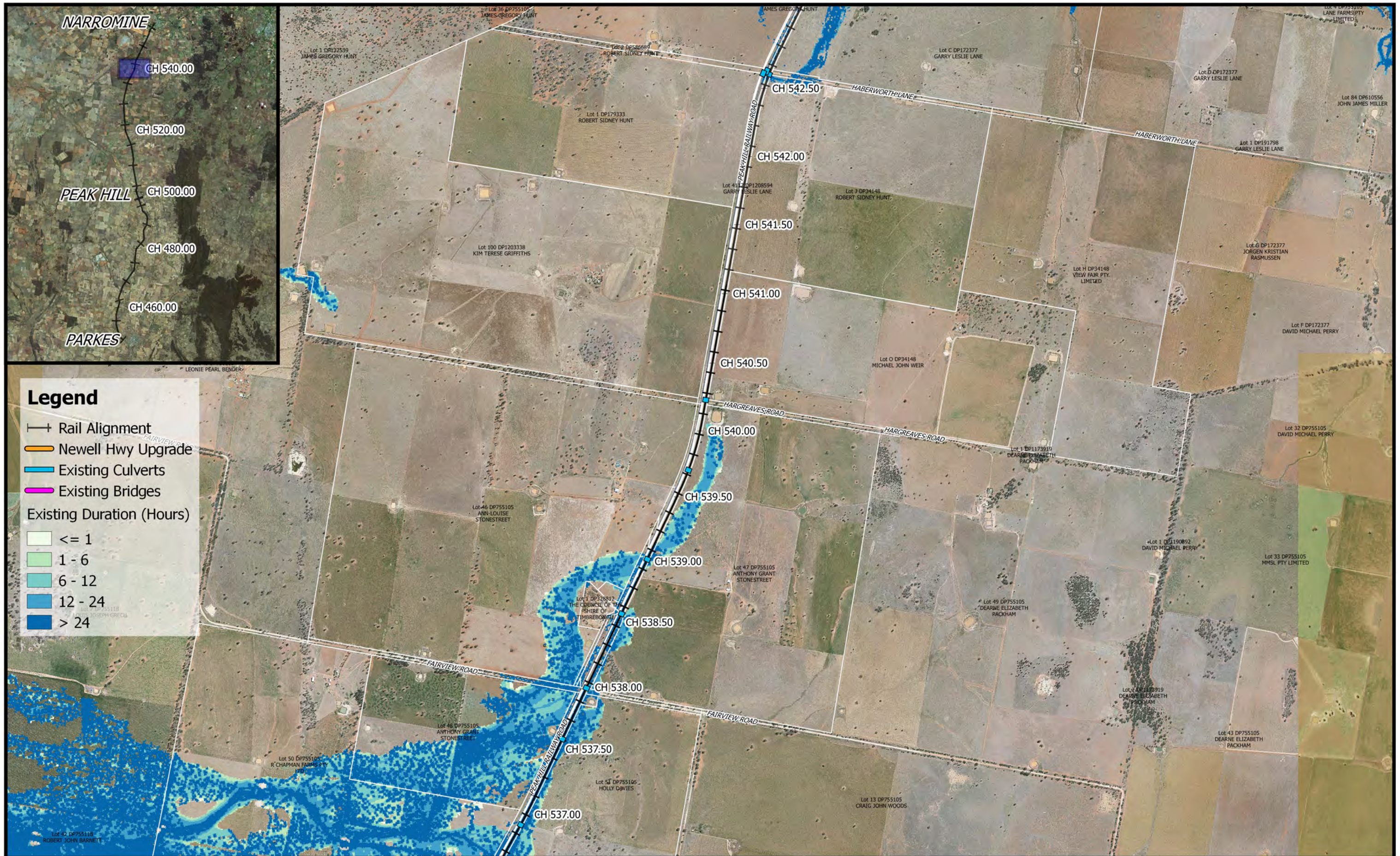
Legend

- 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 EX39D22 39% AEP Existing Flood Duration - CH 535.00</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Rev: A	
	Prepared By: WhiteleyD			



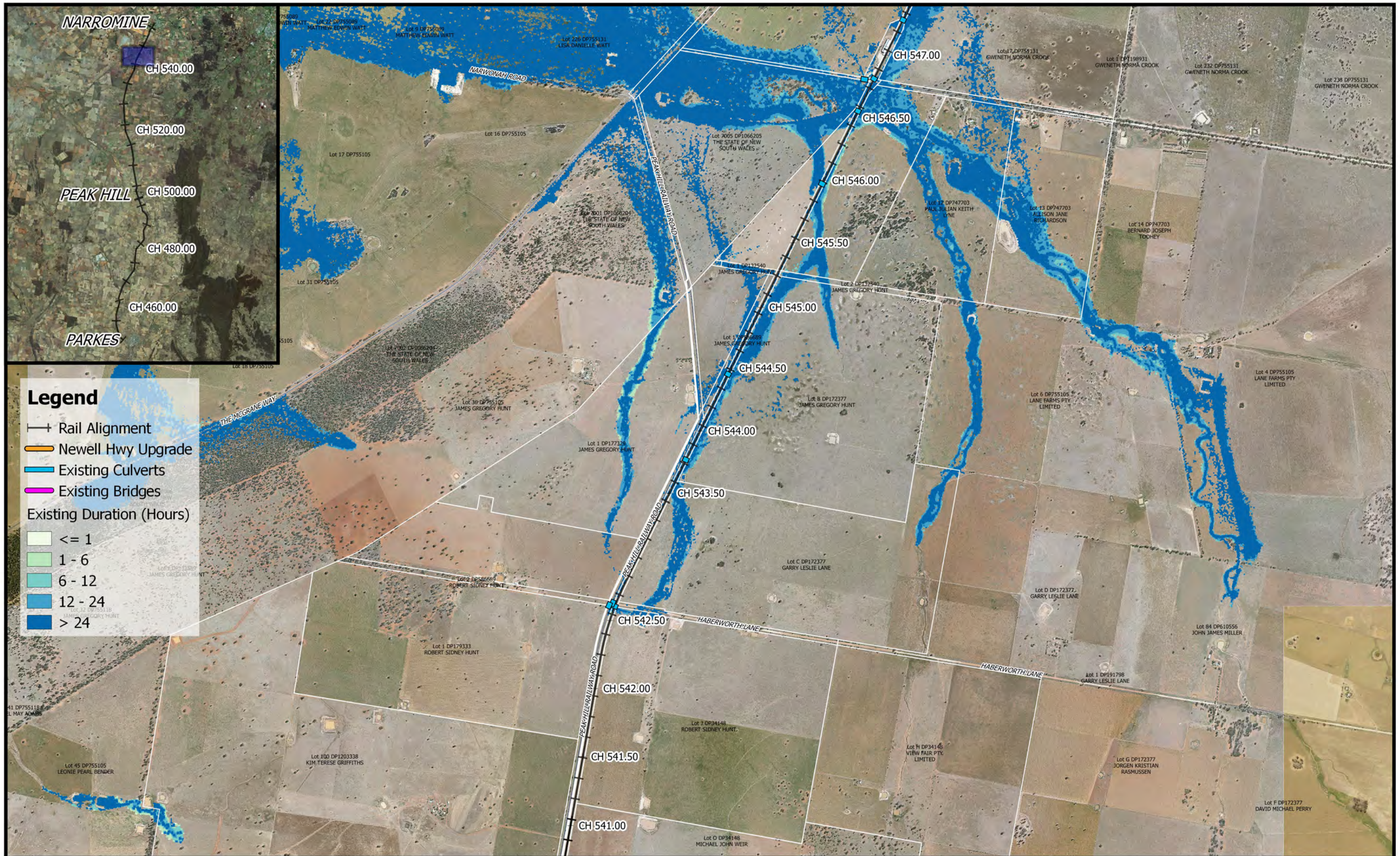
Legend

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

Existing Duration (Hours)

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

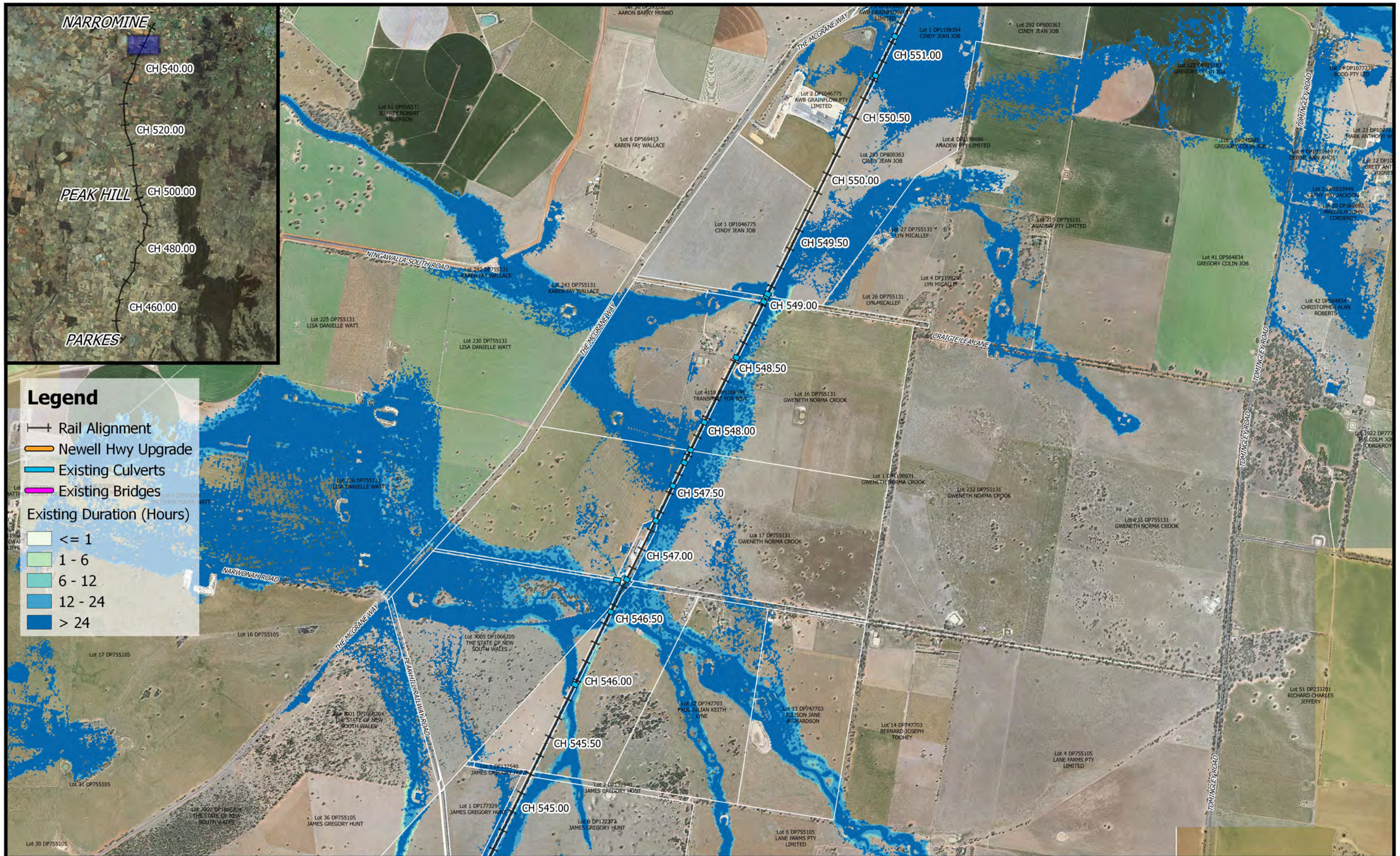
	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 12/7/2018 Rev: A Prepared By: WhiteleyD	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX39D23 <i>39% AEP Existing Flood Duration - CH 540.00</i>
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Legend

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

	<p>1:25,000</p>		Date: 12/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
			Prepared By: WhiteleyD	<p>Figure EX39D24 39% AEP Existing Flood Duration - CH 545.00</p>



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