

Appendix B

Design Conditions Flood Maps

B01 – Flood Level Change (Afflux) 18% AEP

B02 – Flood Level Change (Afflux) 5% AEP

B03 – Flood Level Change (Afflux) 2% AEP

B04 – Flood Level Change (Afflux) 0.05% AEP

B05 – Flood Velocity Change 18% AEP

B06 – Flood Velocity Change 5% AEP

B07 – Flood Velocity Change 2% AEP

B08 – Flood Velocity Change 0.05% AEP

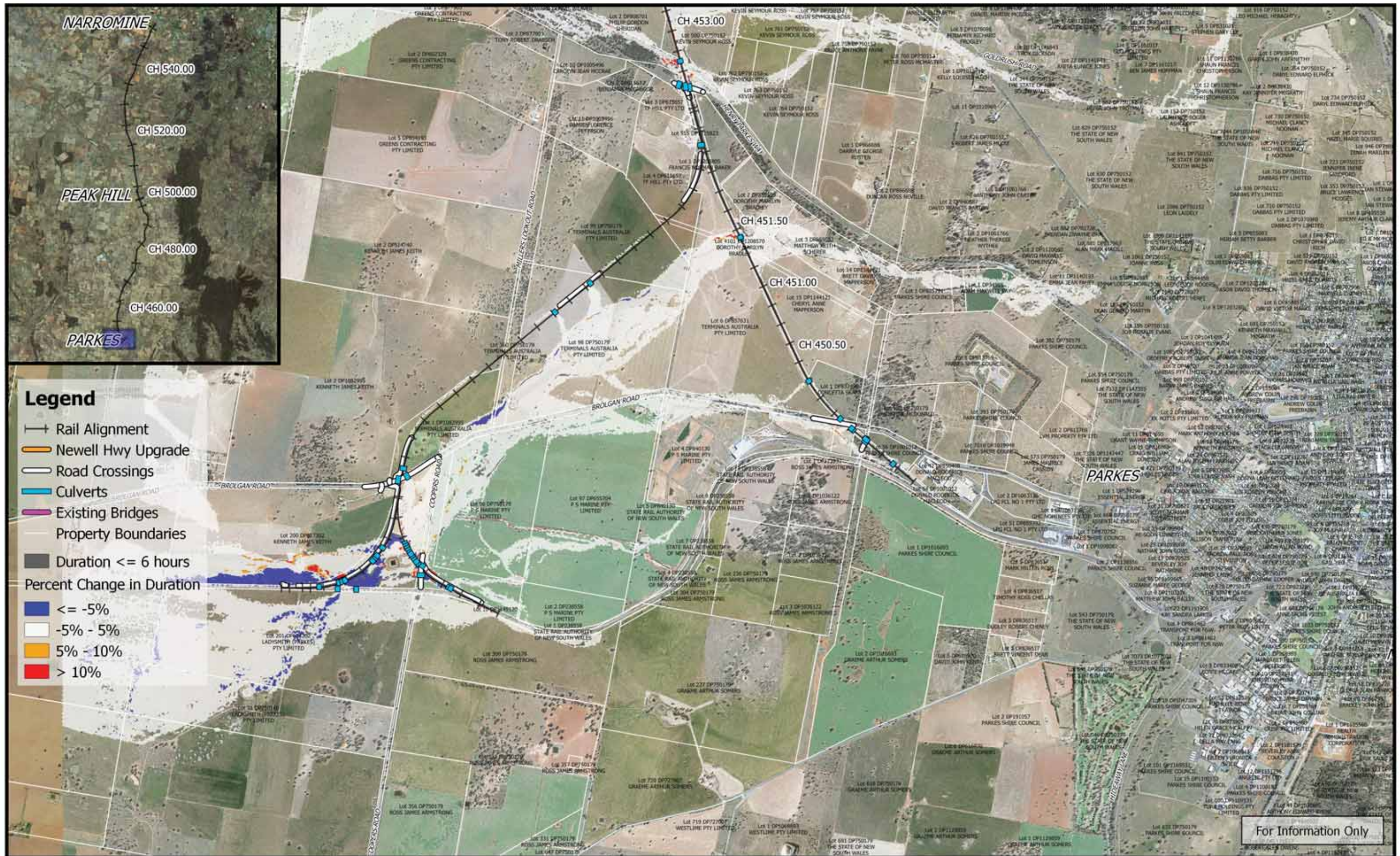
B09 – Flood Duration Change 18% AEP

B10 – Flood Duration Change 5% AEP

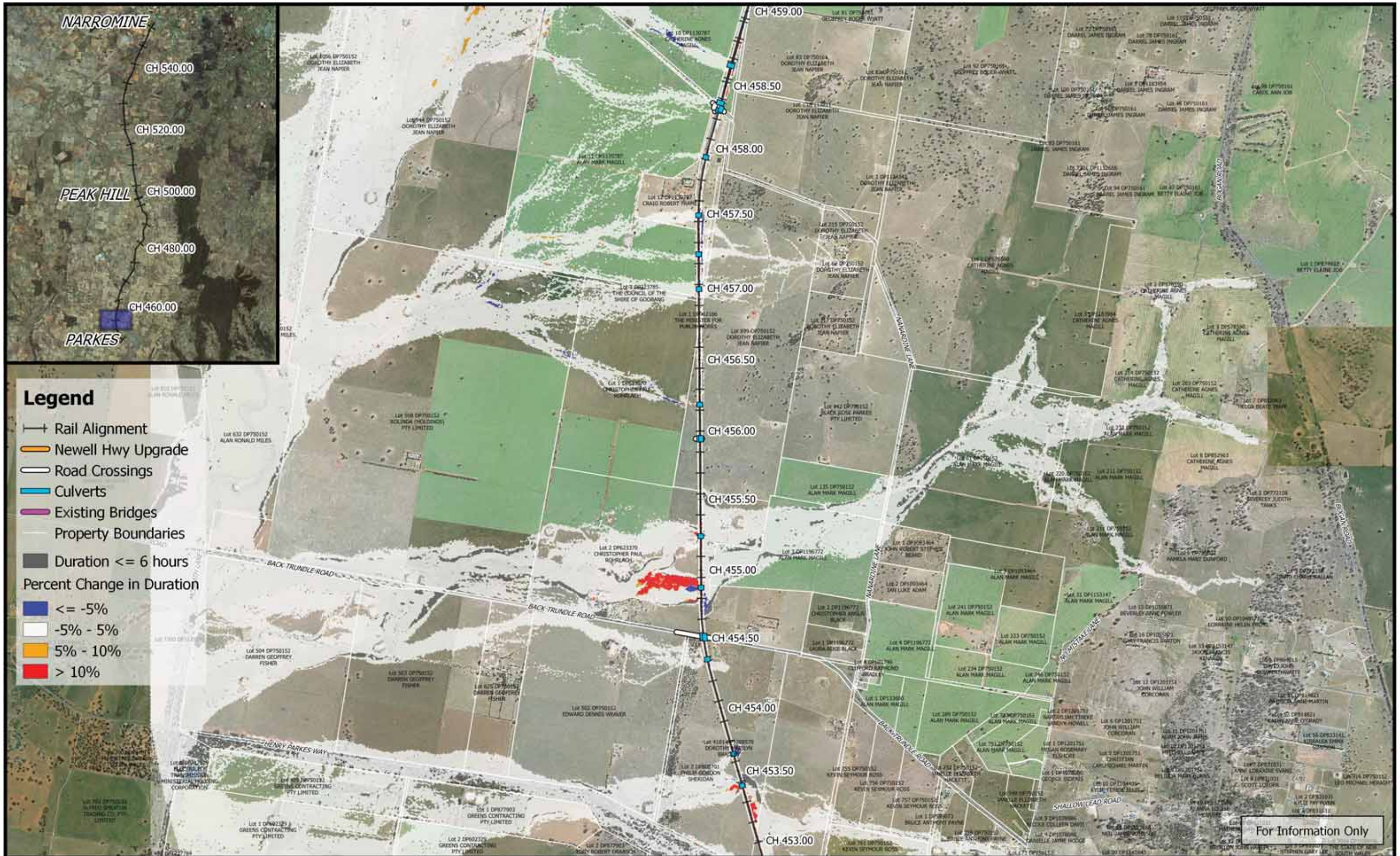
B11 – Flood Duration Change 2% AEP

B12 – Flood Duration Change 0.05% AEP





	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	

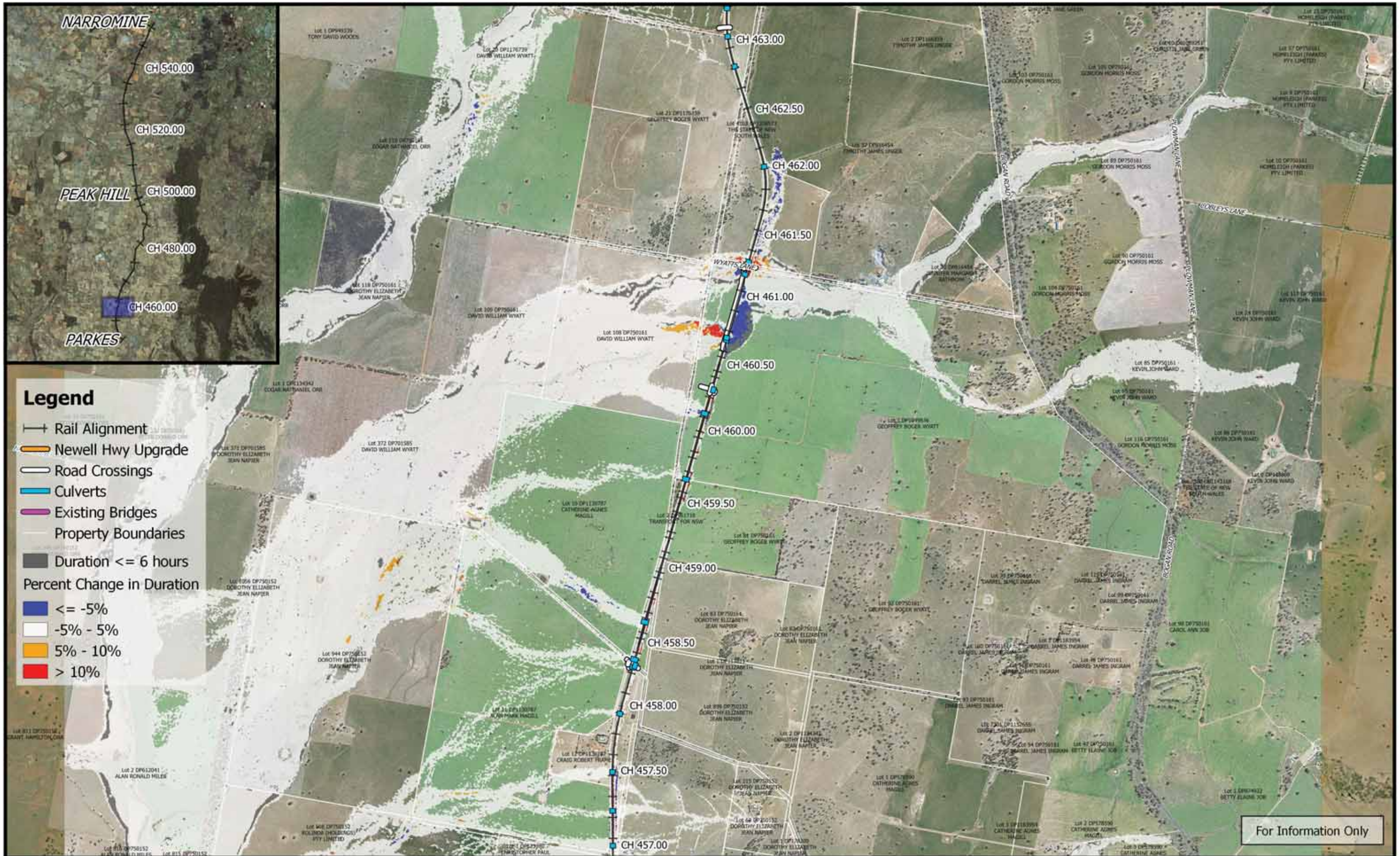


Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours
- Percent Change in Duration**
- <= -5%
- 5% - 5%
- 5% - 10%
- > 10%

For Information Only

	 1:25,000		Date: 22/3/2019	<p style="margin: 0;">Inland Rail - Parkes to Narromine</p> <p style="margin: 0;">IFC - Cross Drainage Flood Impact Assessment Results</p> <p style="margin: 0;">Figure DE2DC2</p> <p style="margin: 0;"><i>2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 455.00</i></p>
	Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: B - For Information Only	

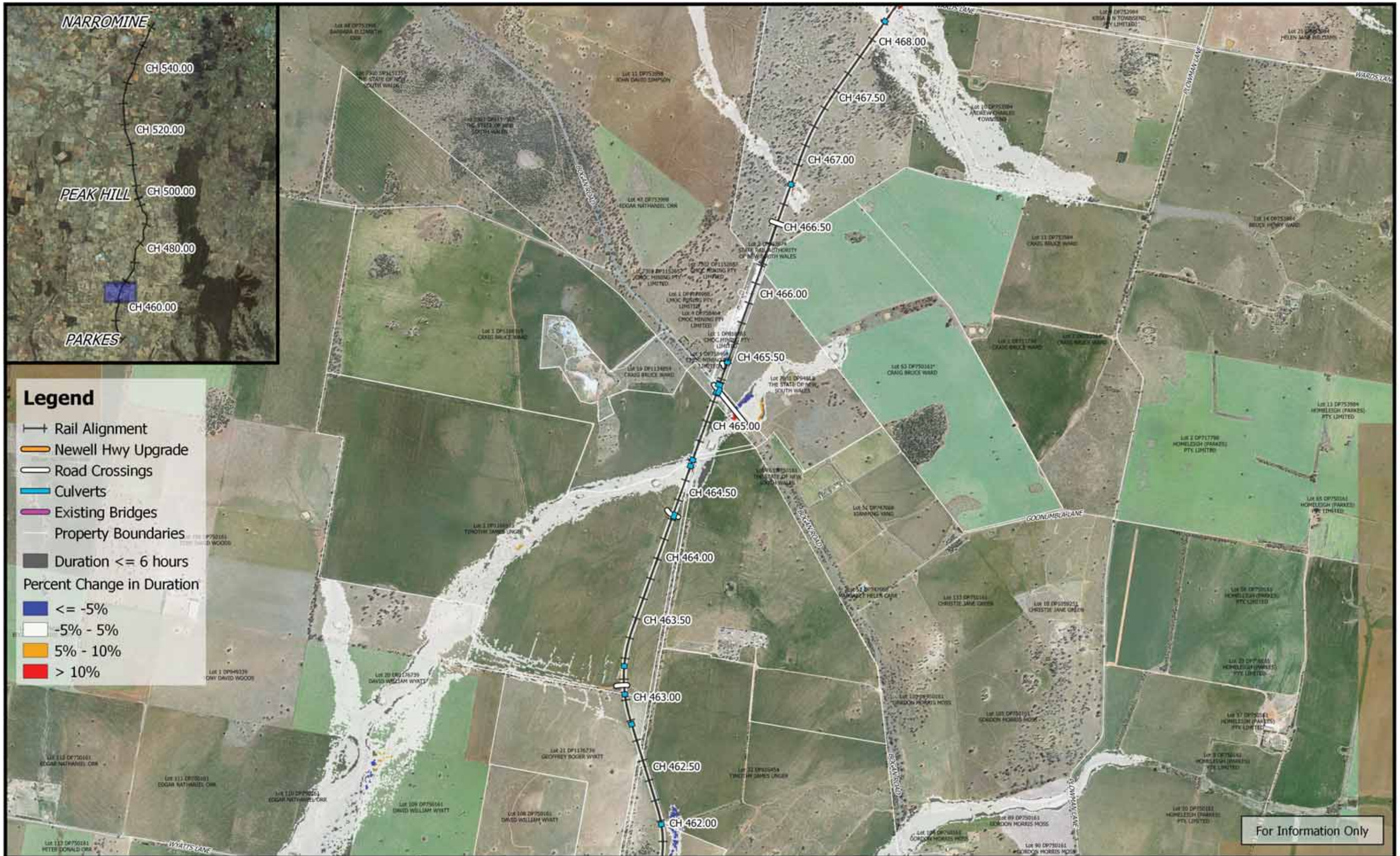


Legend



- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours
- Percent Change in Duration**
- <= -5%
- 5% - 5%
- 5% - 10%
- > 10%

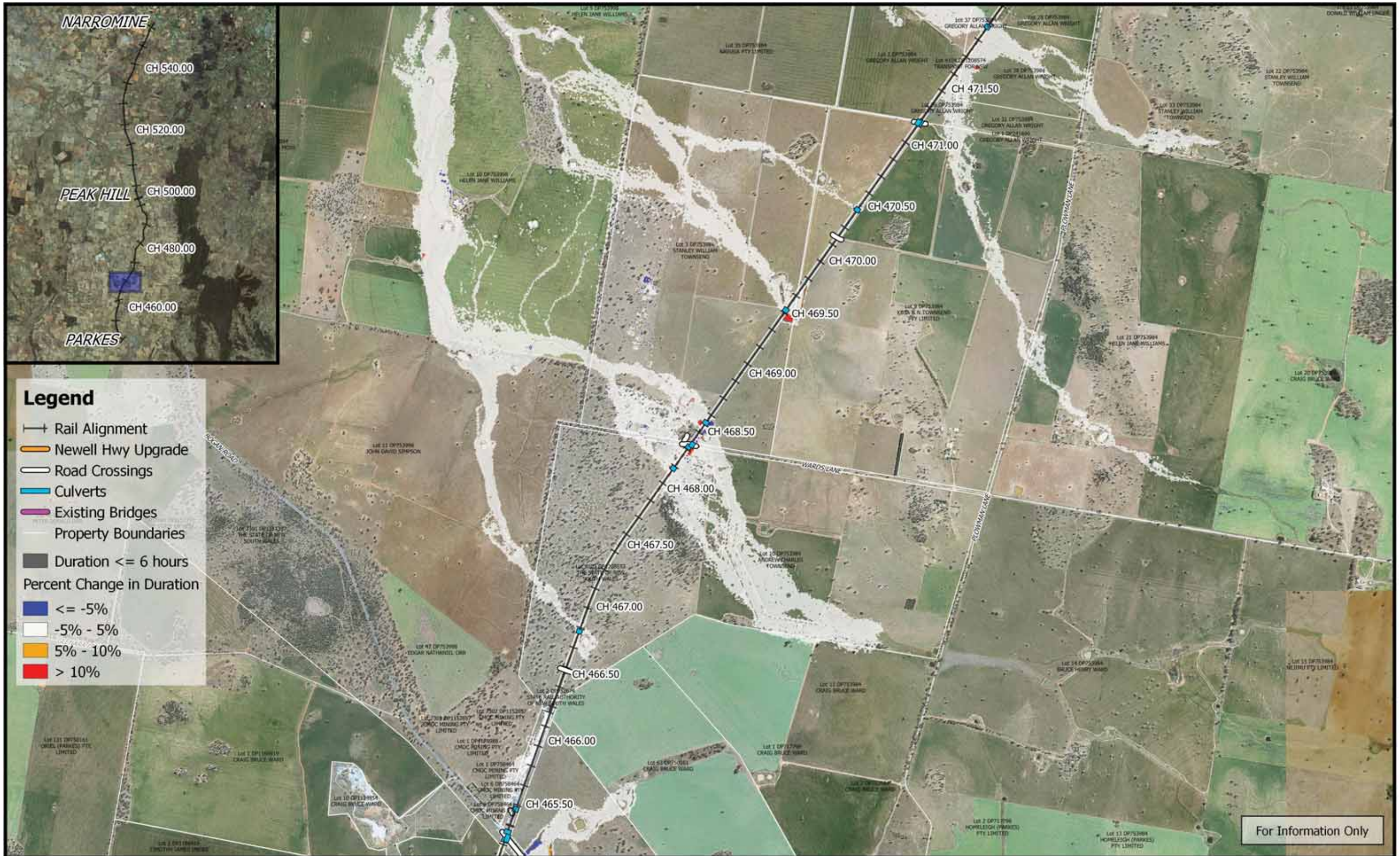
For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE2DC3 2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 460.00</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure DE2DC4 <i>2% AEP Percentage Change In Duration For Flood Depths $>$200mm - CH 465.00</i></p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



Legend

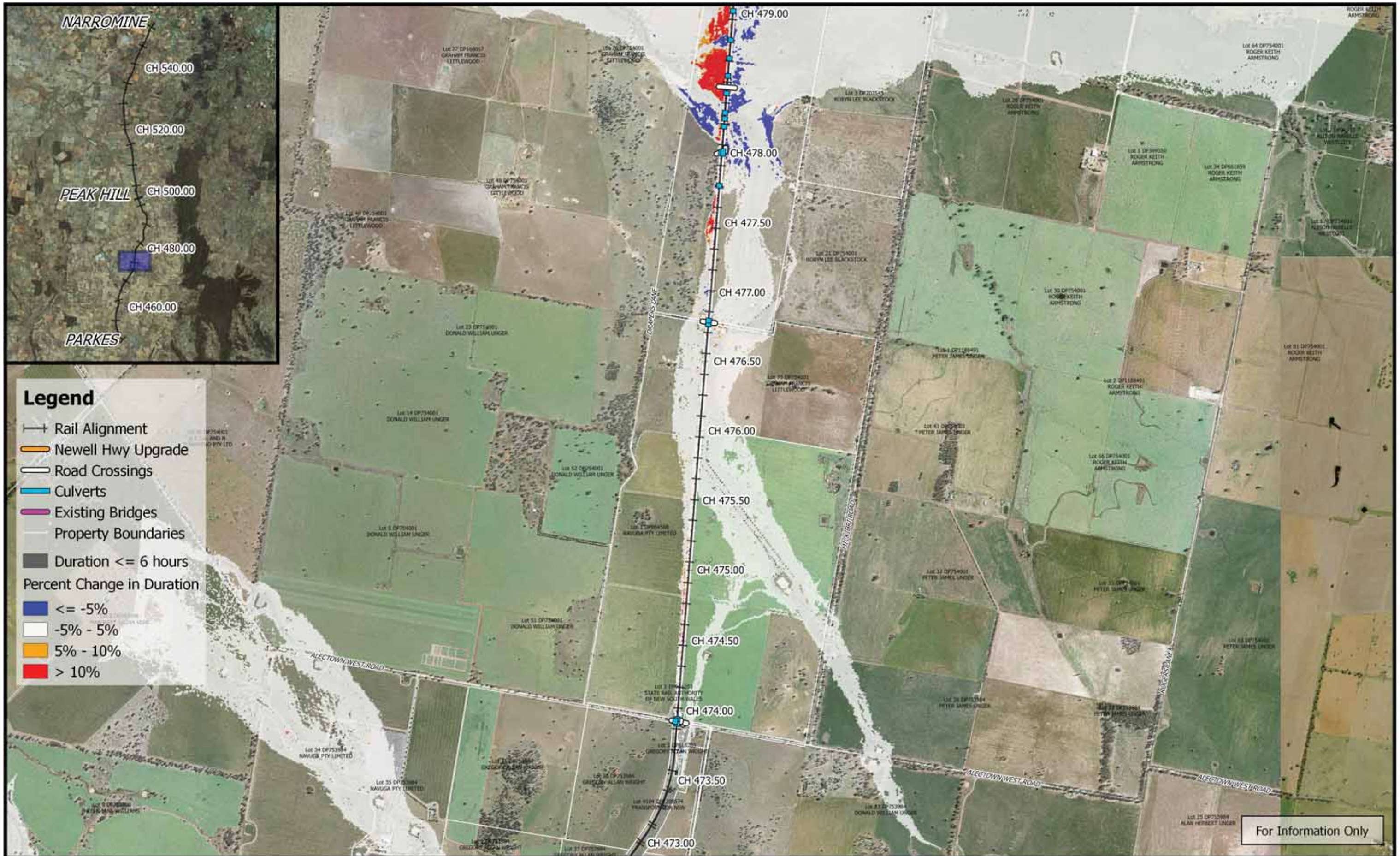
- +— Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours
- Percent Change in Duration
- <= -5%
- -5% - 5%
- 5% - 10%
- > 10%

For Information Only



	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	

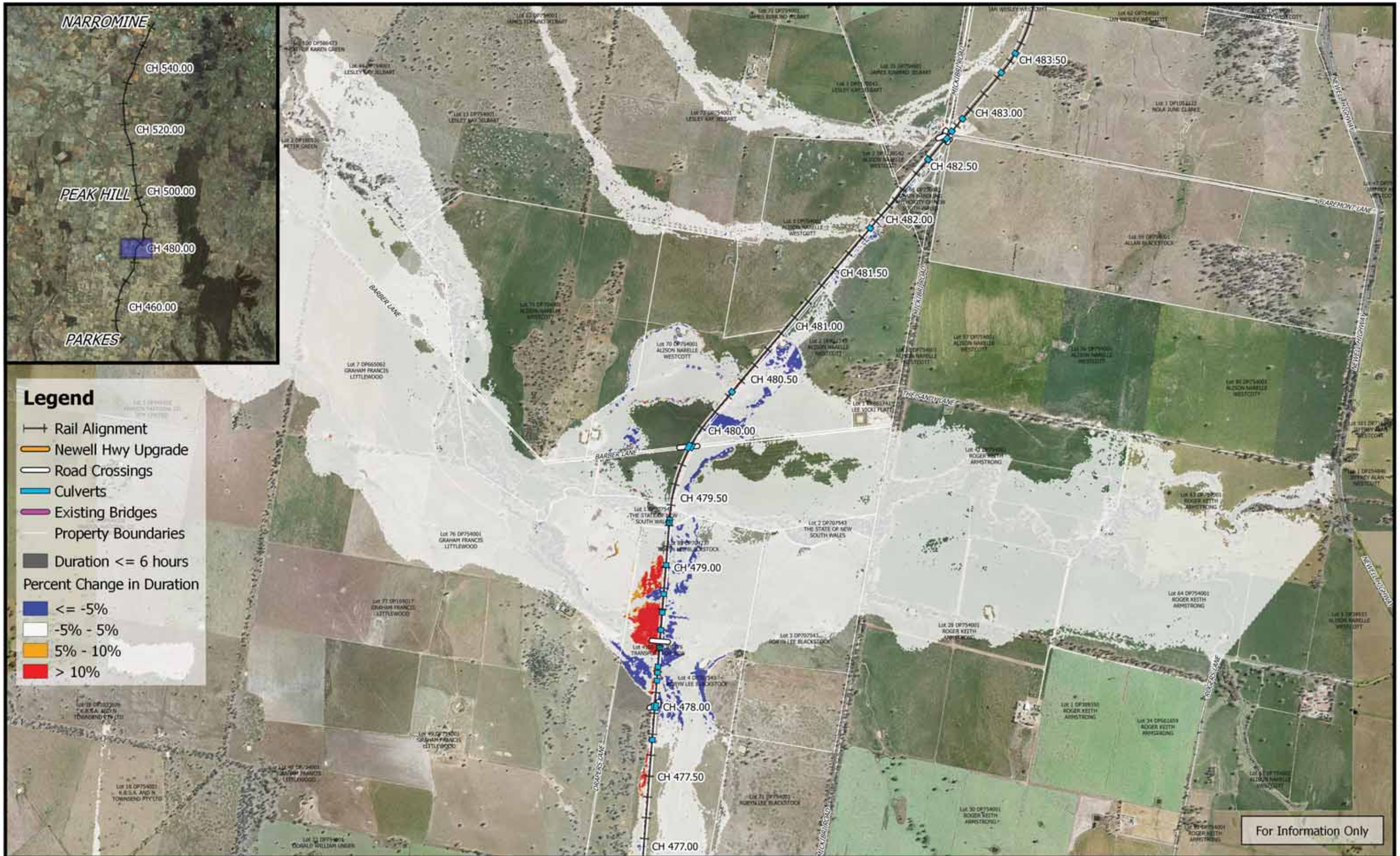


	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	





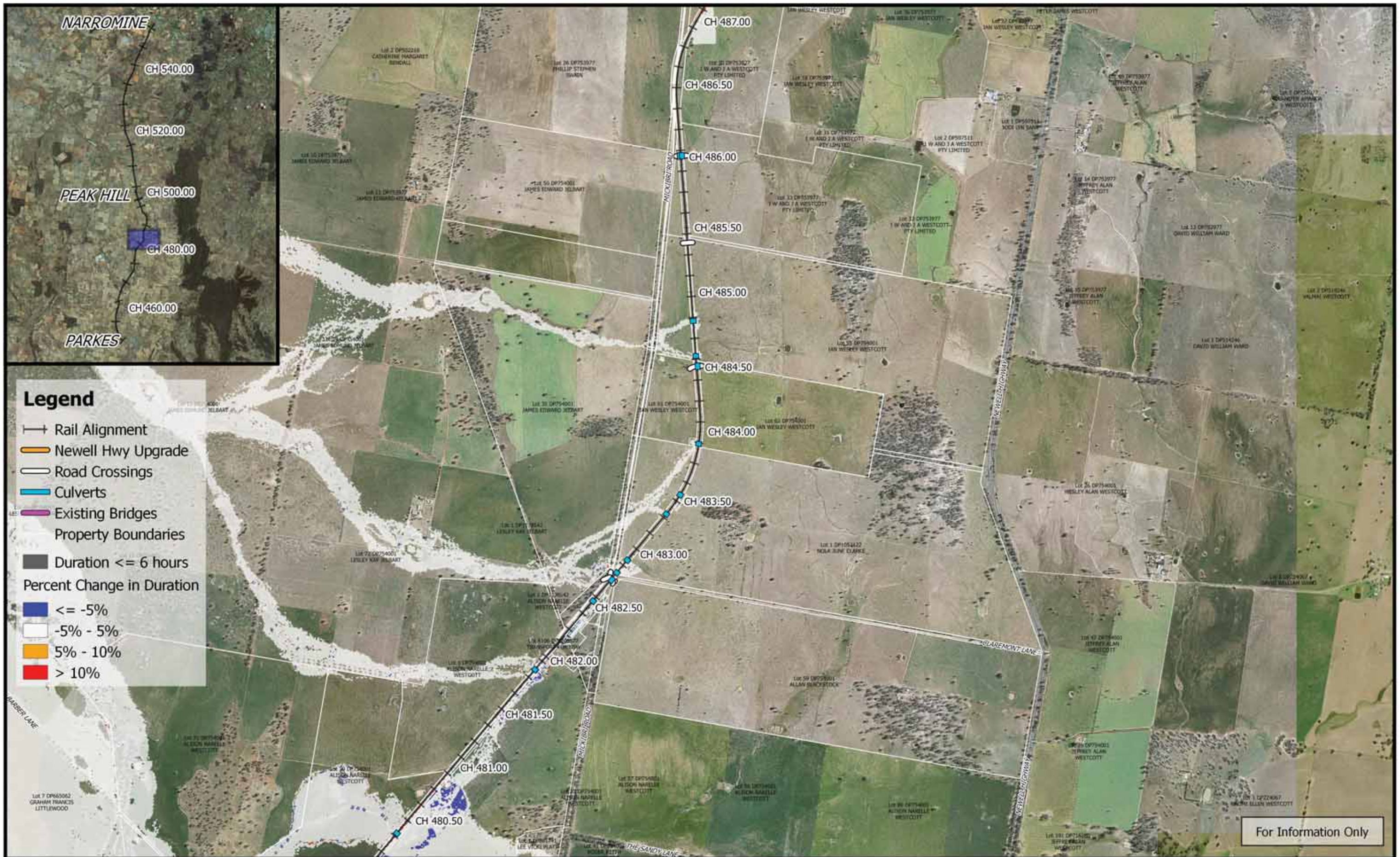
For Information Only



	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	<i>2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 475.00</i>



For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure DE2DC8</p> <p align="center"><i>2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 480.00</i></p>
			Rev: B - For Information Only	
			Prepared By: YeohM	





	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours
- Percent Change in Duration
- <= -5%
- -5% - 5%
- 5% - 10%
- > 10%

For Information Only

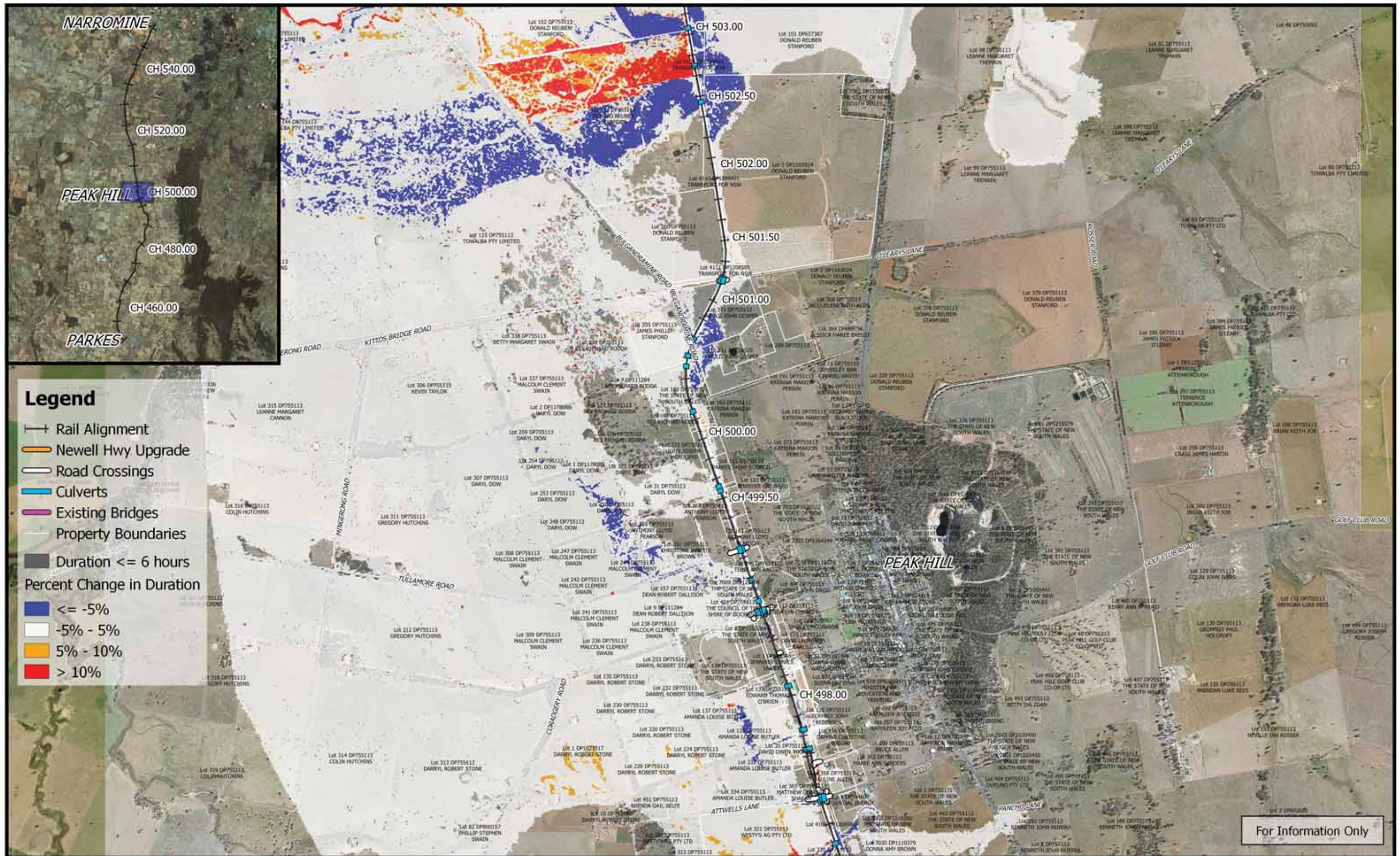
	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
		Prepared By: YeohM		

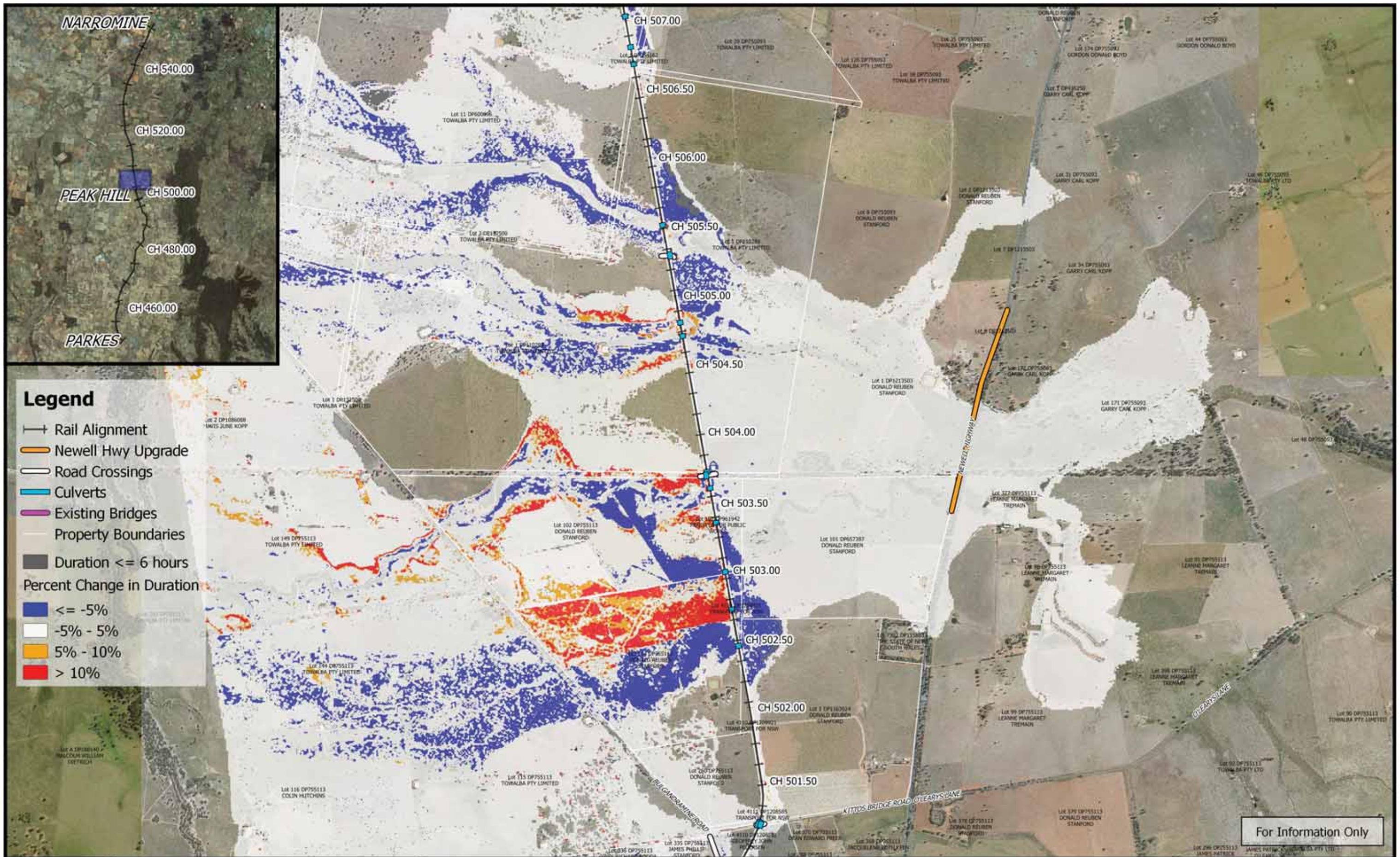


			Date: 22/3/2019	Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results
			Rev: B - For Information Only	
			Prepared By: YeohM	



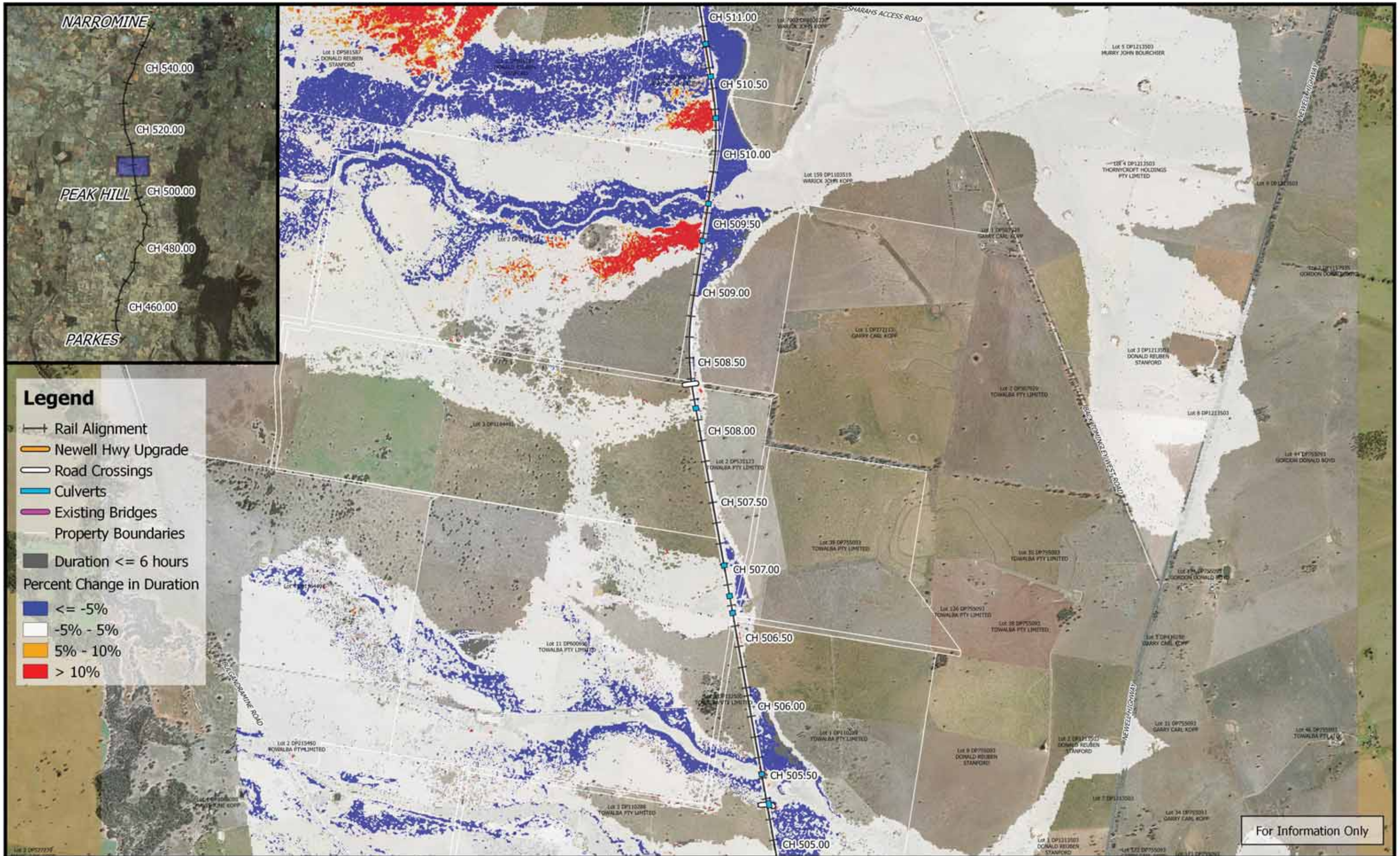
For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE2DC13 2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 500.00</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



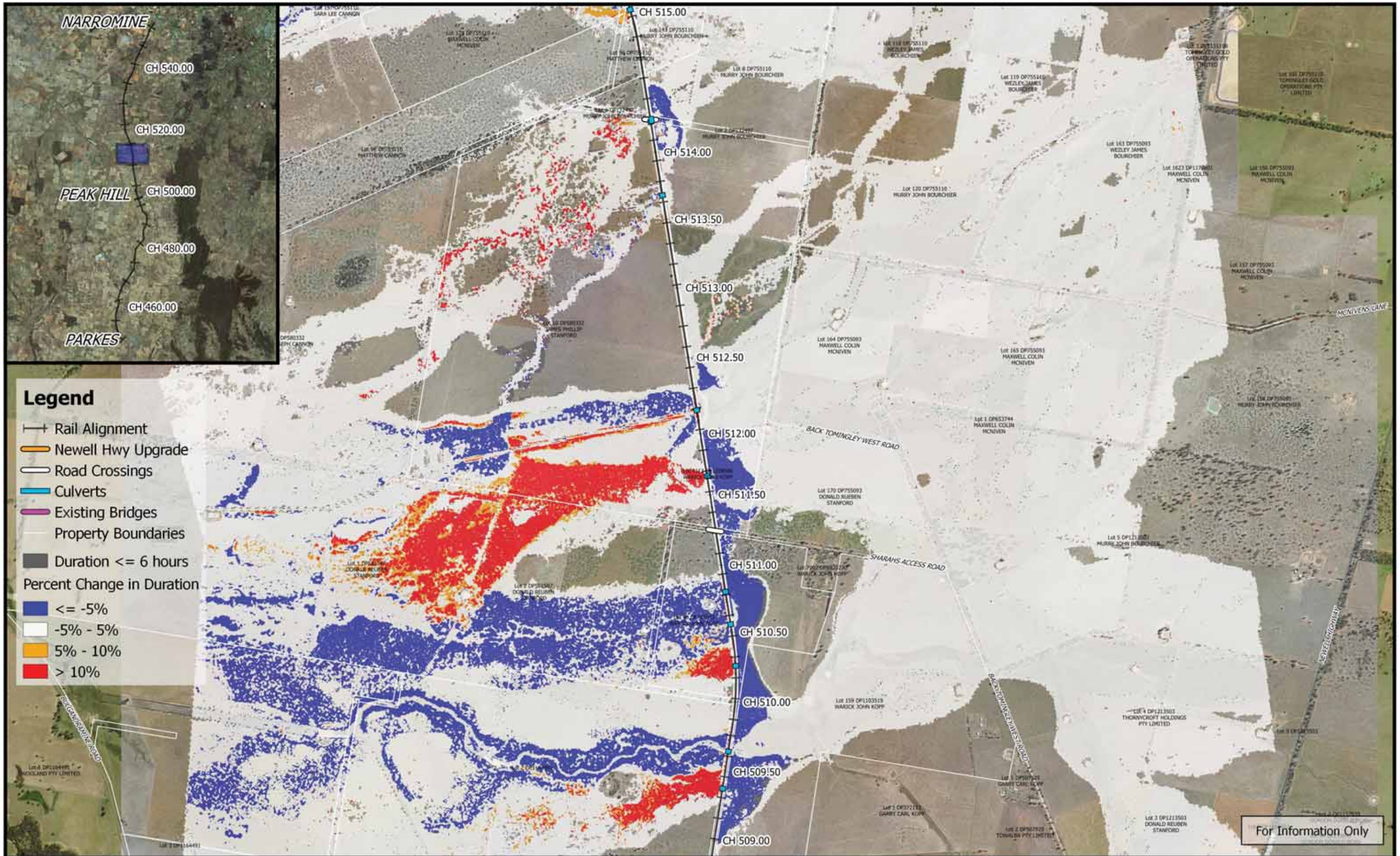
For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	

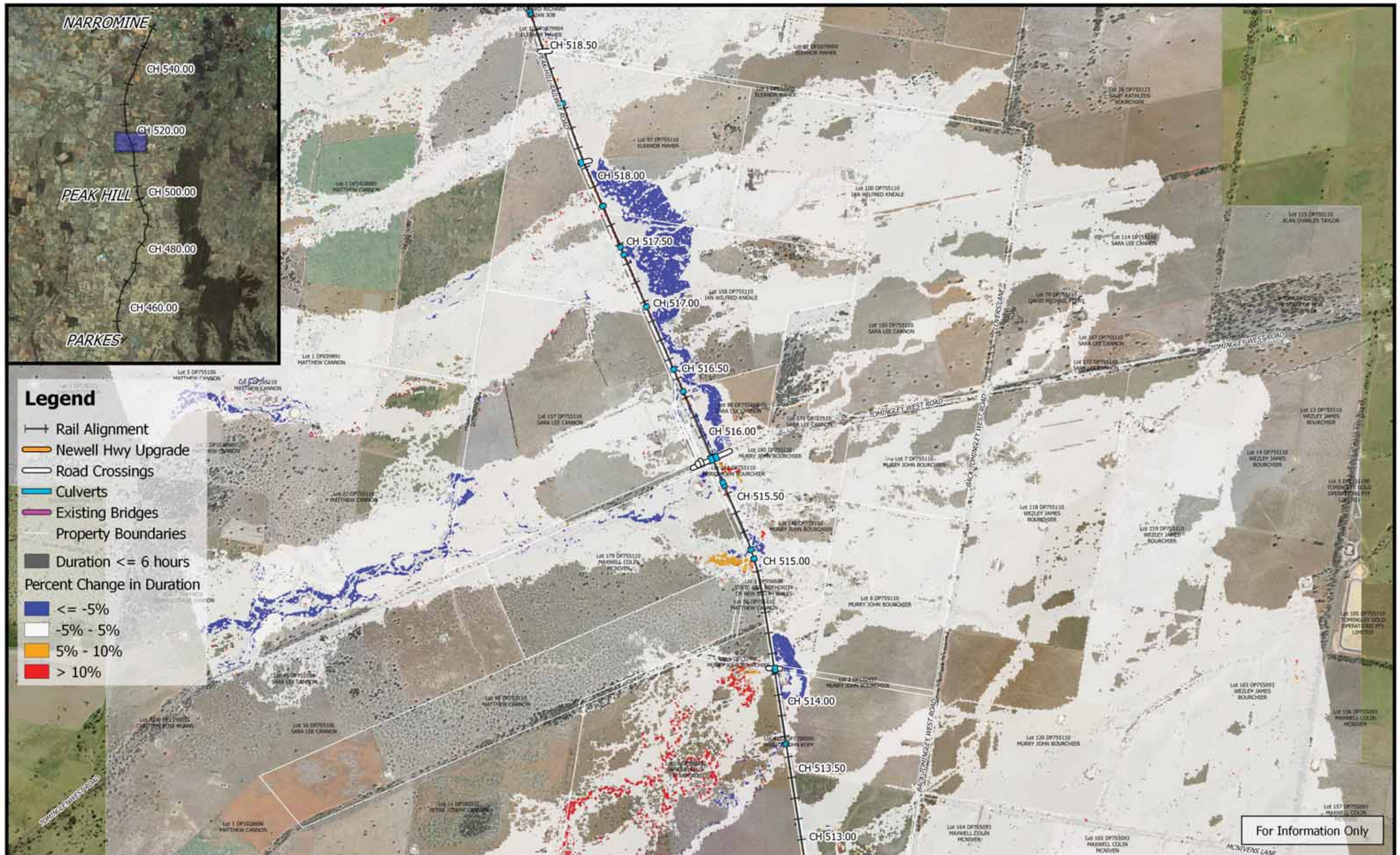


Legend

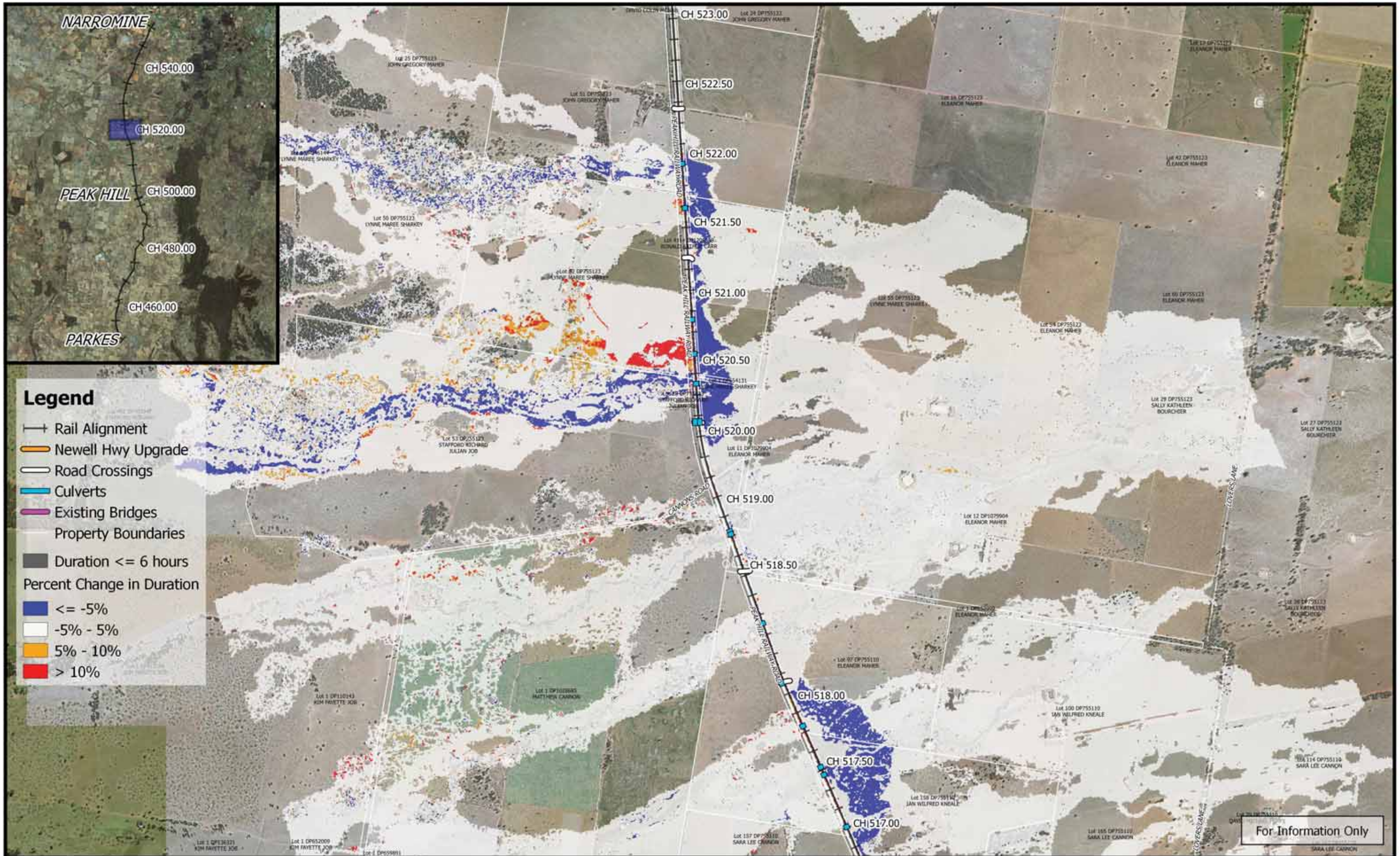
- +— Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours
- Percent Change in Duration
 - <= -5%
 - -5% - 5%
 - 5% - 10%
 - > 10%

For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>	 	Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Rev: B - For Information Only</p>	
			<p>Prepared By: YeohM</p>	



	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure DE2DC17 <i>2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 515.00</i></p>
			Rev: B - For Information Only	
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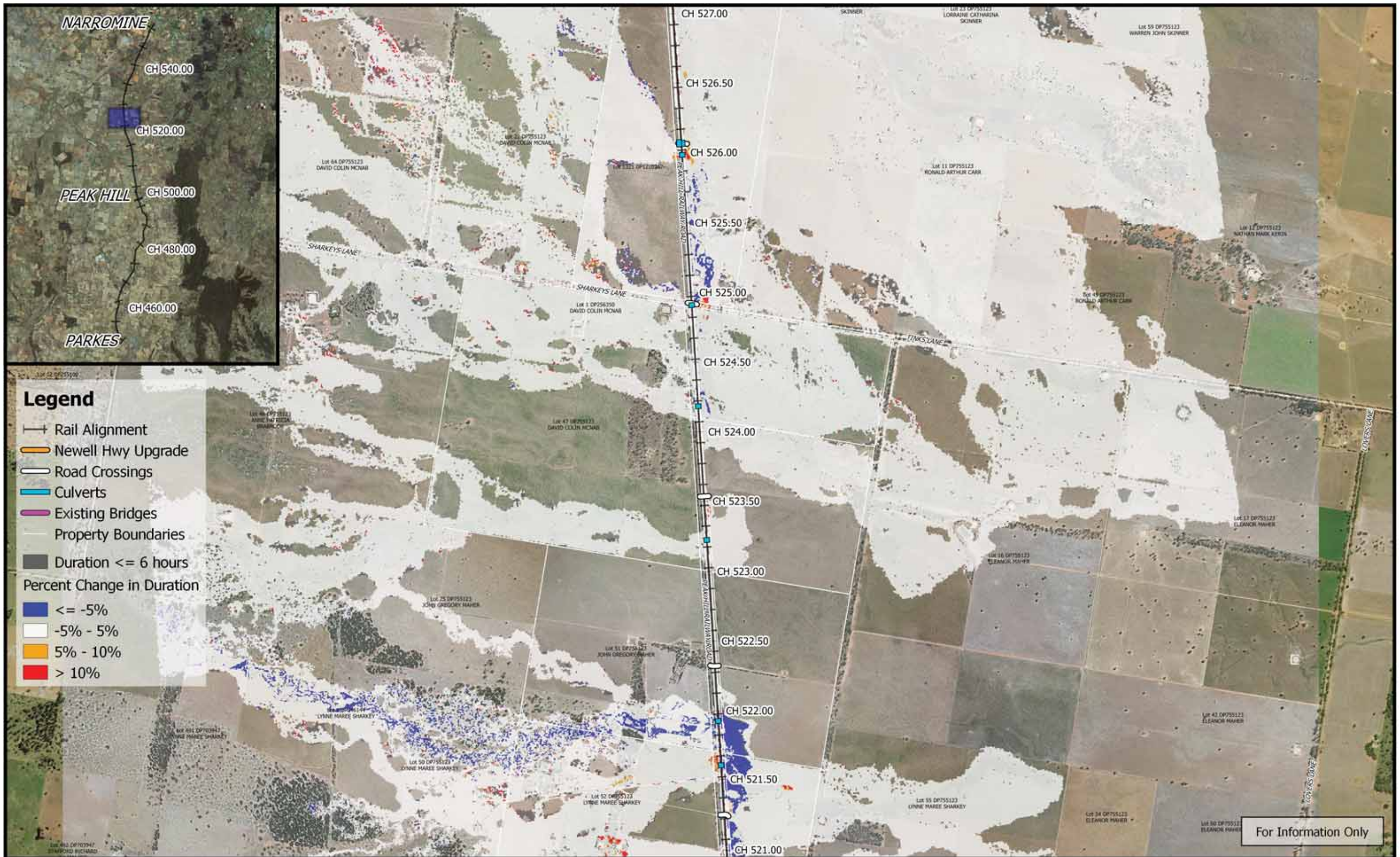


Legend

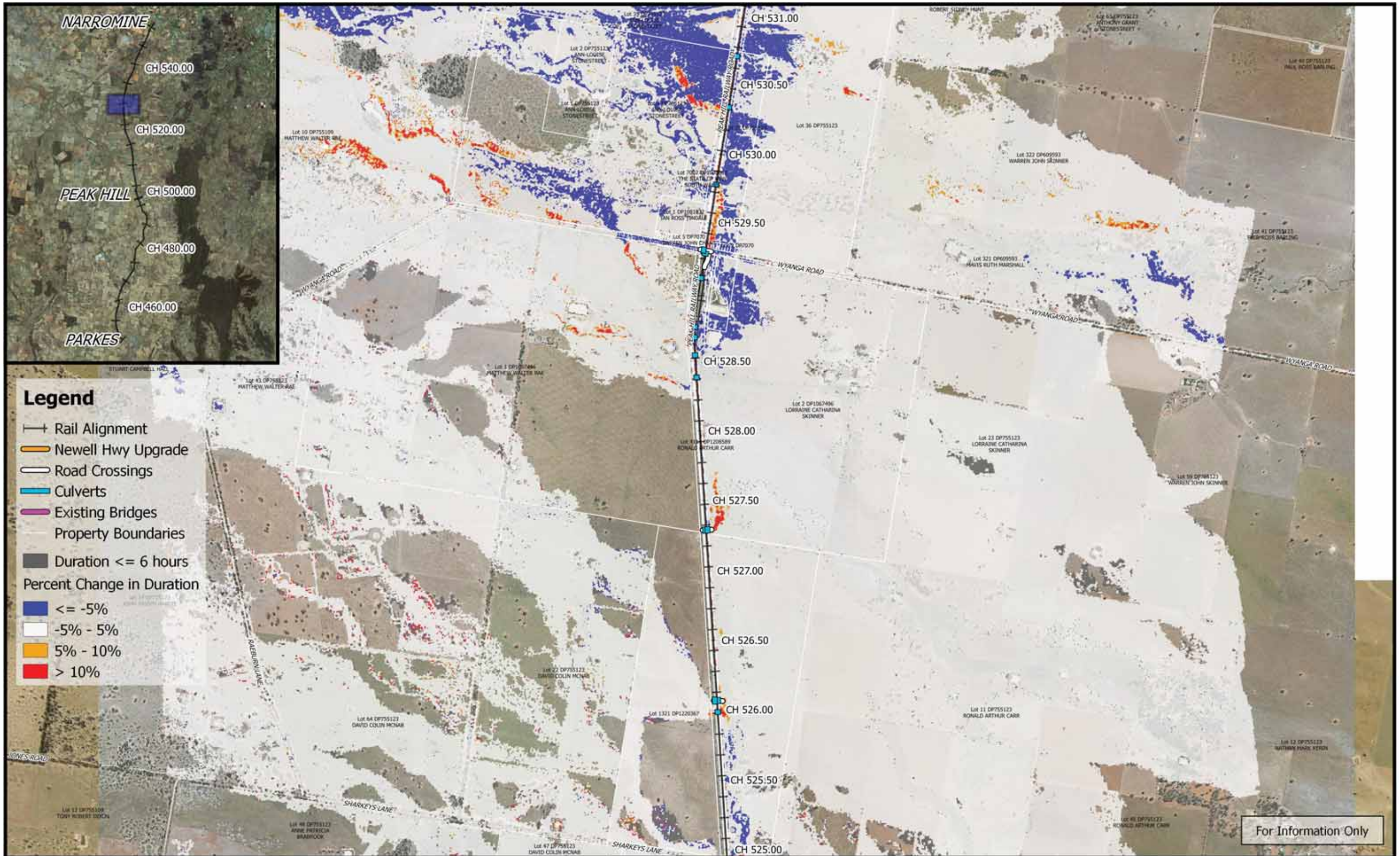
- +— Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours
- Percent Change in Duration
- <= -5%
- -5% - 5%
- 5% - 10%
- > 10%

For Information Only



	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>	 	Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine</p> <p>IFC - Cross Drainage Flood Impact Assessment Results</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55</p> <p>Inset Aerial Source: NSW Six Map</p> <p>Scale ratio correct when printed at A3</p>		<p>Rev: B - For Information Only</p>	
			Prepared By: YeohM	

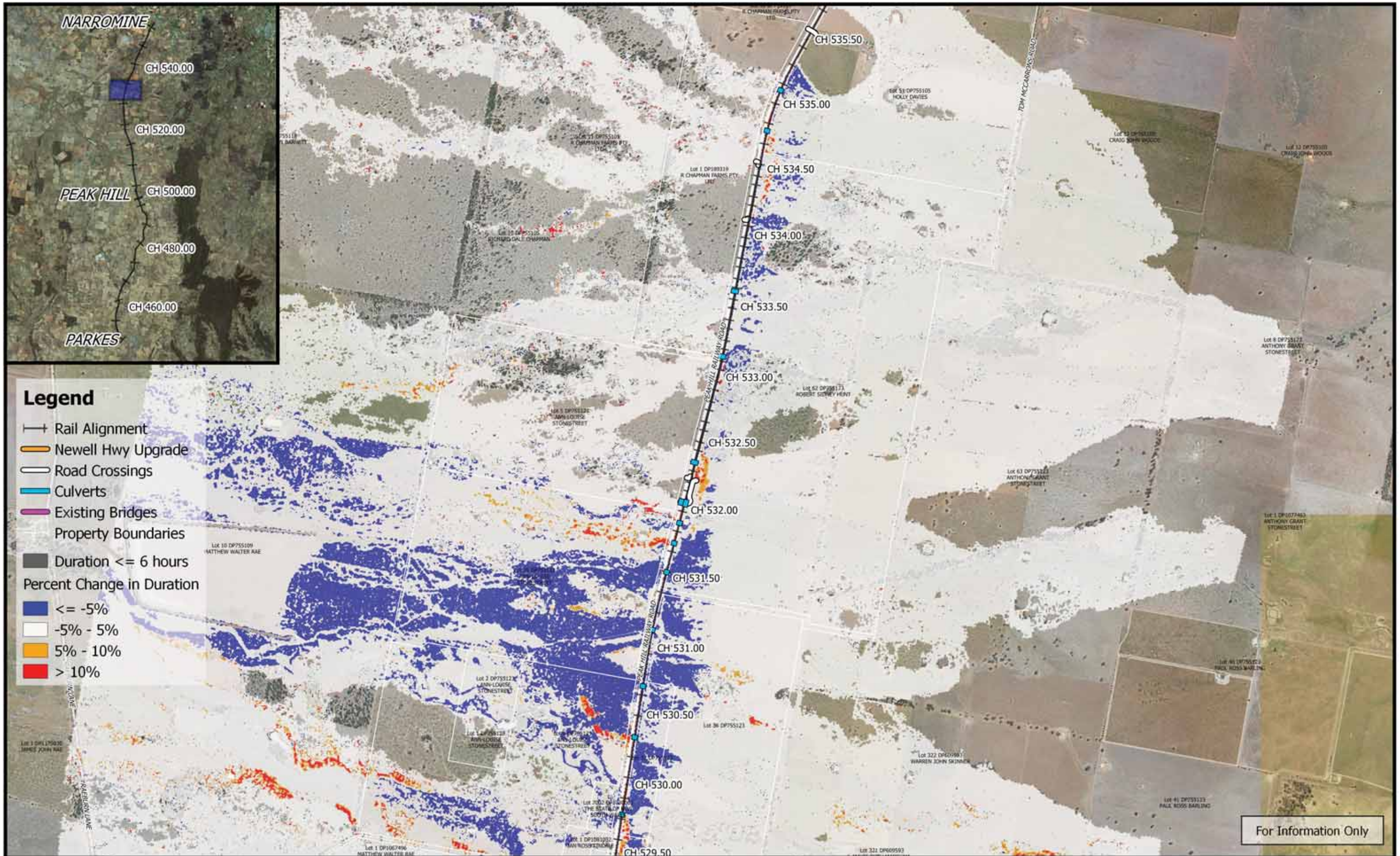


	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



For Information Only

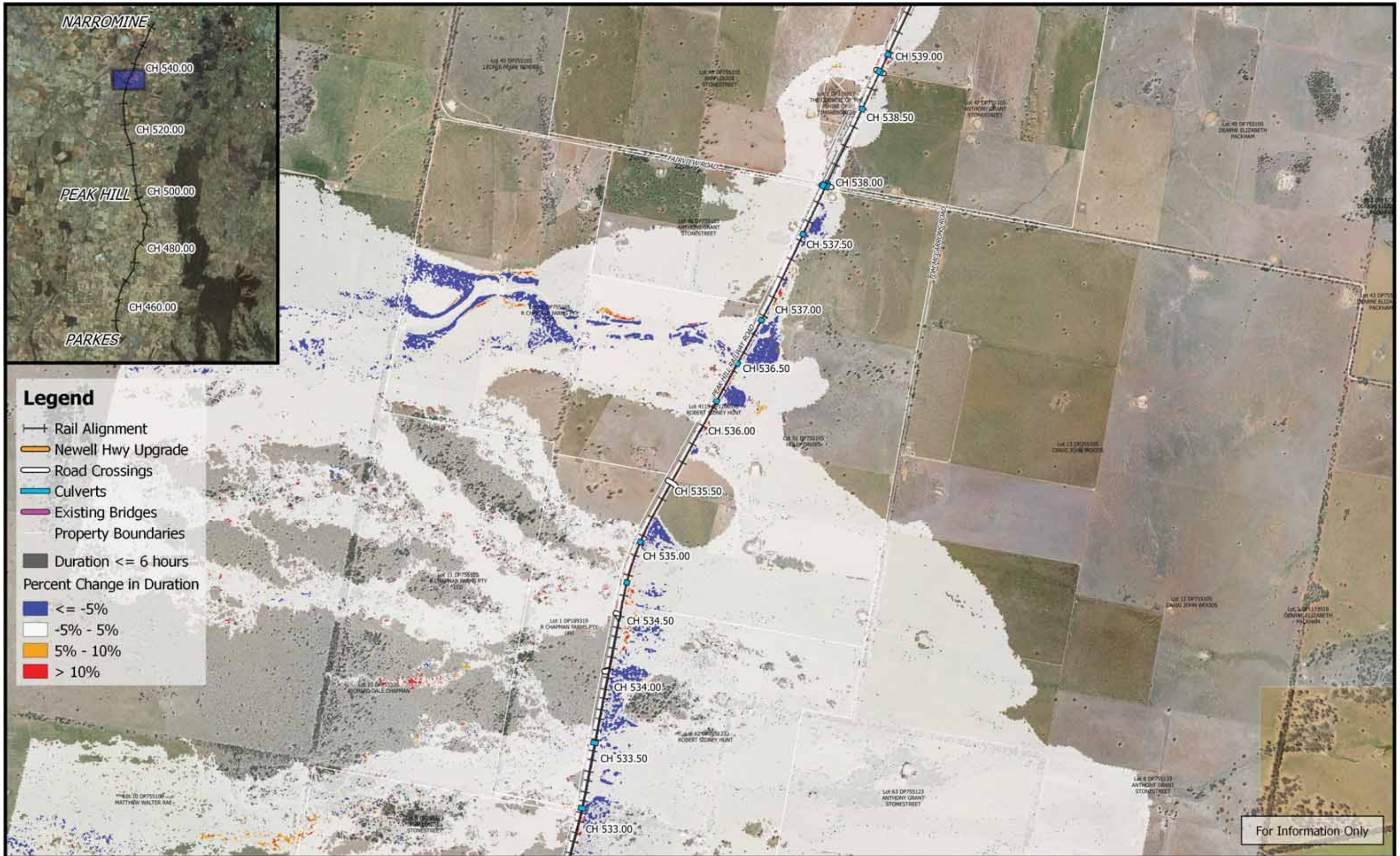
	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



- Legend**
- +— Rail Alignment
 - Newell Hwy Upgrade
 - Road Crossings
 - Culverts
 - Existing Bridges
 - Property Boundaries
 - Duration \leq 6 hours
 - Percent Change in Duration
 - $\leq -5\%$
 - $-5\% - 5\%$
 - $5\% - 10\%$
 - $> 10\%$

For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE2DC21 <i>2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 533.00</i></p>
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Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours
- Percent Change in Duration
 - <= -5%
 - -5% - 5%
 - 5% - 10%
 - > 10%

For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE2DC22 <i>2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 535.00</i></p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
			Rev: B - For Information Only	
			Prepared By: YeohM	



Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours

Percent Change in Duration

- <= -5%
- -5% - 5%
- 5% - 10%
- > 10%

For Information Only

	<p>1:25,000</p>		Date: 22/3/2019	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Rev: B - For Information Only</p>	
<p>Figure DE2DC24 2% AEP Percentage Change In Duration For Flood Depths >200mm - CH 545.00</p>				



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries
- Duration <= 6 hours

Percent Change in Duration

- <= -5%
- -5% - 5%
- 5% - 10%
- > 10%

	<p>1:25,000</p>		Date: 22/3/2019	<p style="text-align: center;">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Inset Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Rev: B - For Information Only	
		Prepared By: YeohM		