

Appendix C

Design Conditions Flood Maps

C1 – Flood Level Change (Afflux) 39% AEP

C2 – Flood Level Change (Afflux) 10% AEP

C3 – Flood Level Change (Afflux) 1% AEP

C4 – Flood Level Change (Afflux) 1% AEP with climate change

C5 – Flood Velocity Change 39% AEP

C6 – Flood Velocity Change 10% AEP

C7 – Flood Velocity Change 1% AEP

C8 – Flood Velocity Change 1% AEP with climate change

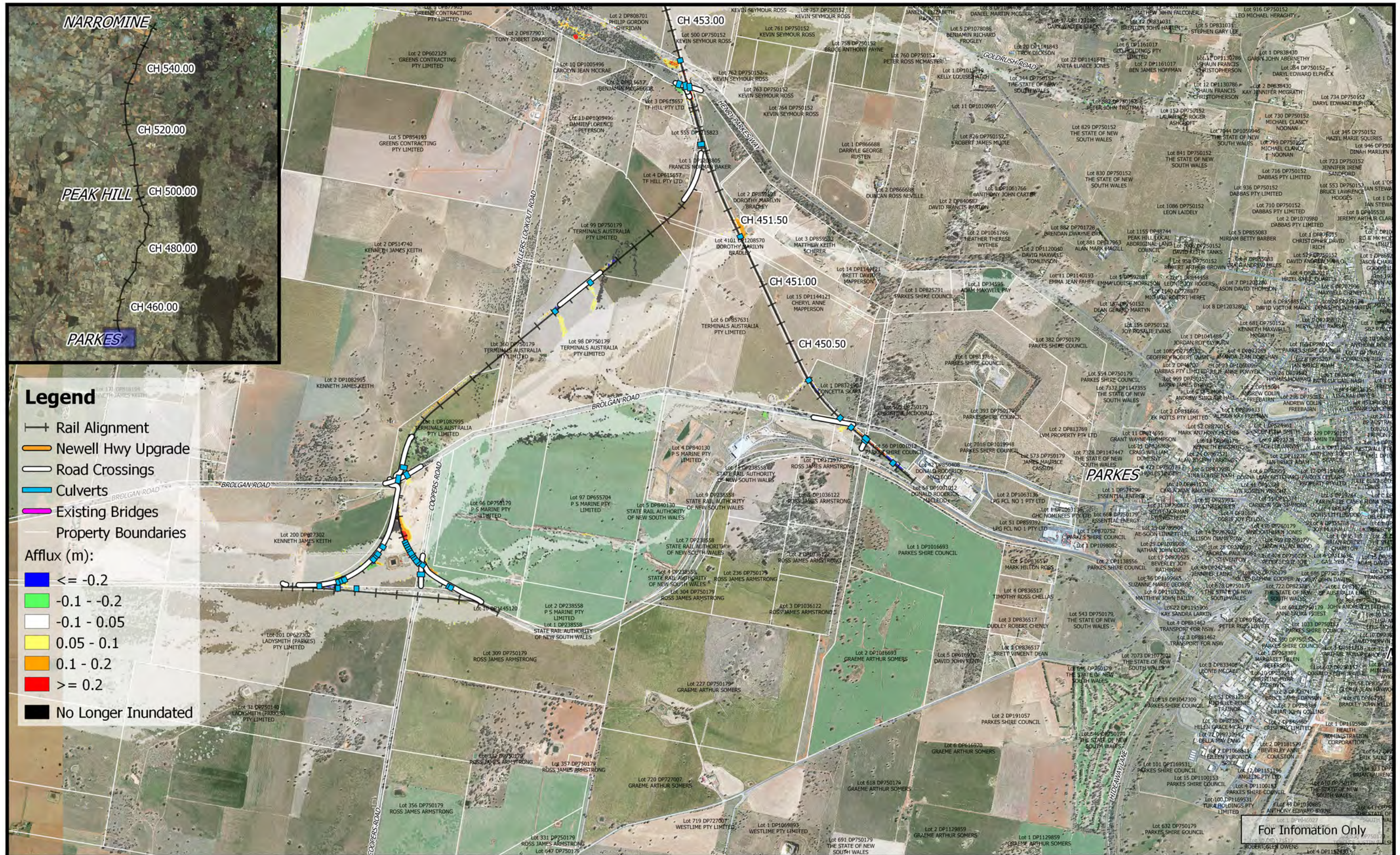
C9 – Flood Duration Change 39% AEP

C10 – Flood Duration Change 10% AEP

C11 – Flood Duration Change 1% AEP

C12 – Flood Duration Change 1% AEP with climate change

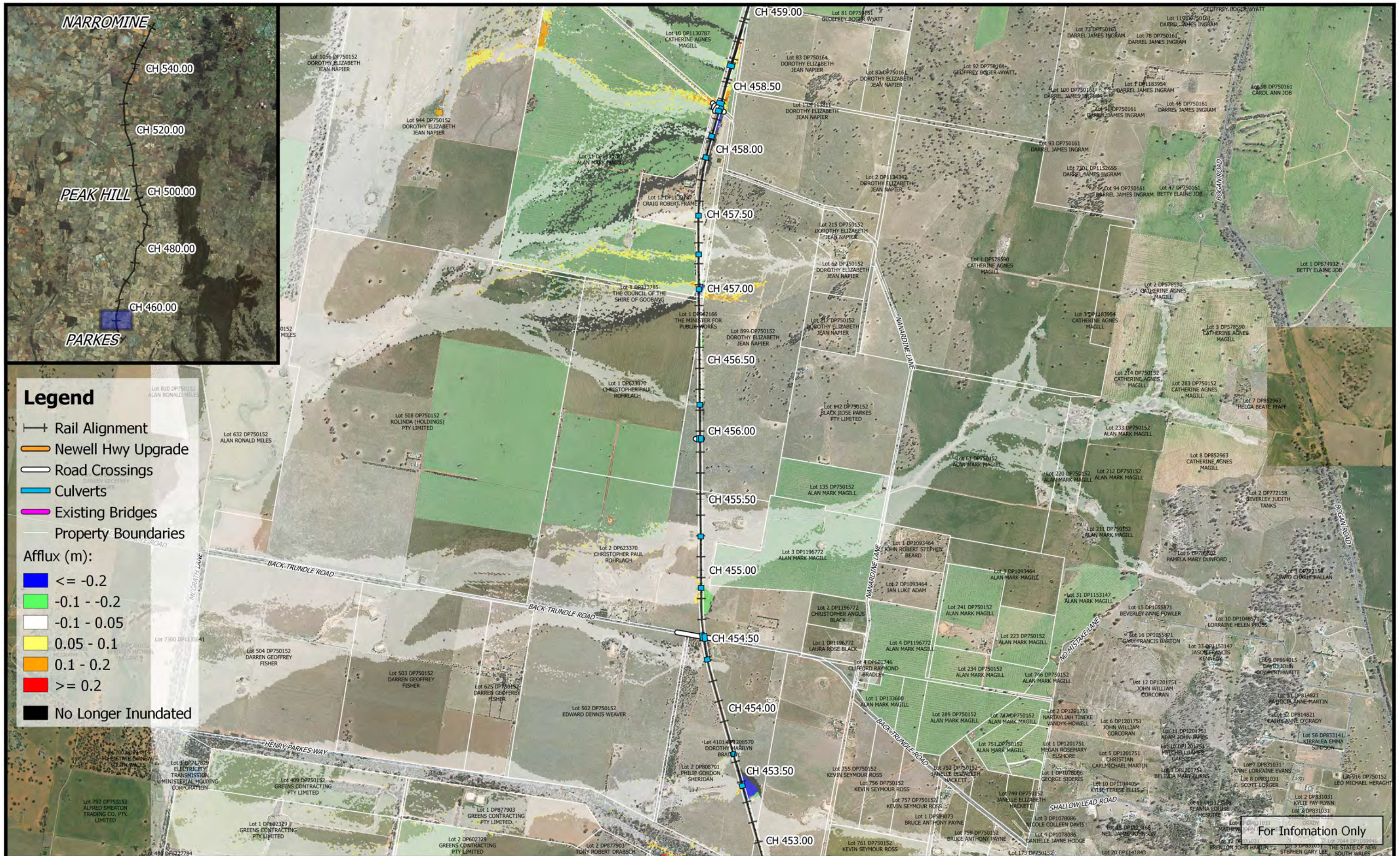




For Information Only

			Date: 15/10/2018	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure DE10A1 10% AEP Flood Afflux - CH 450.00</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Rev: A - For Information Only</p>	
	<p>1:25,000</p>		<p>Prepared By: YeohM</p>	

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Legend

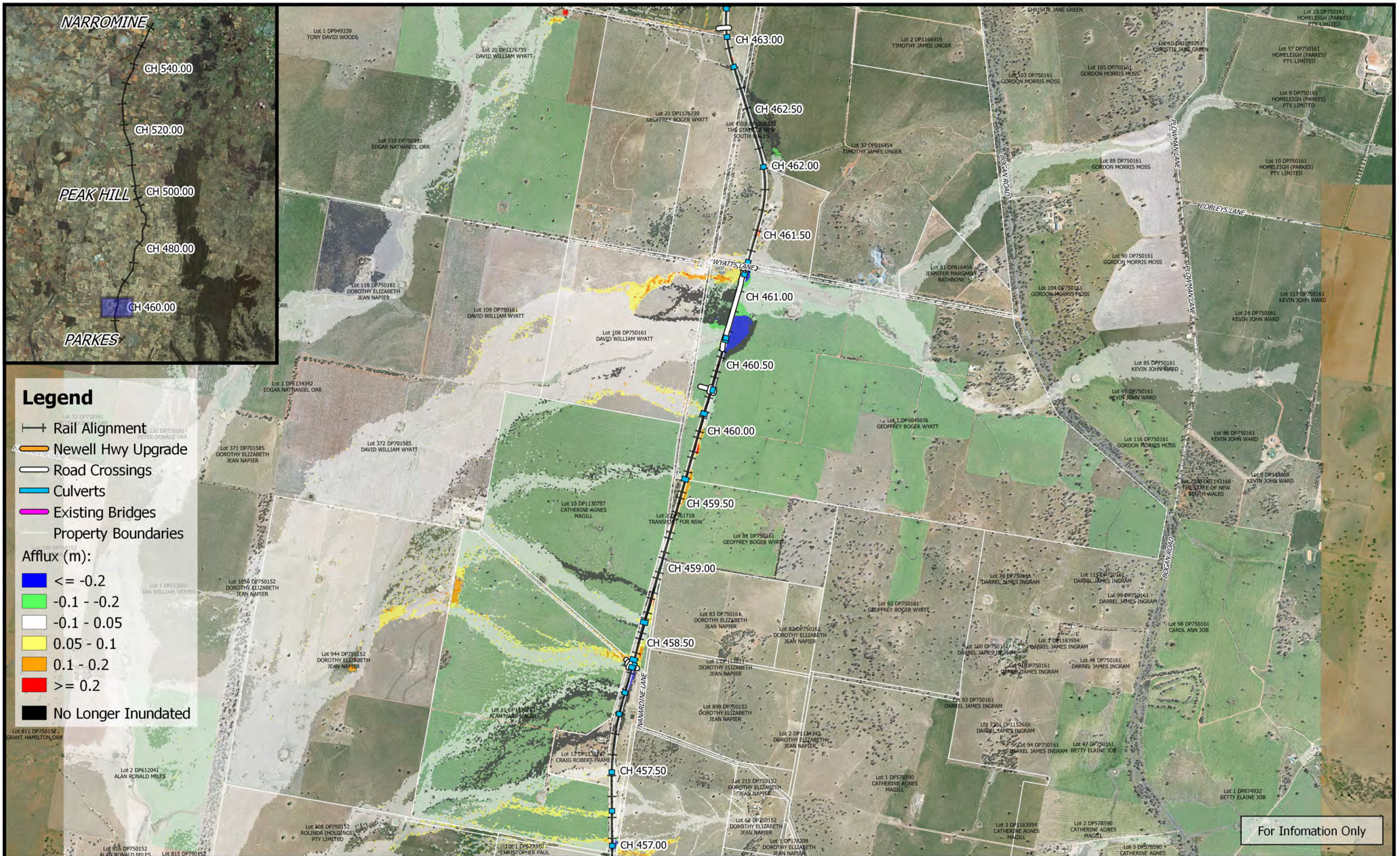
- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):


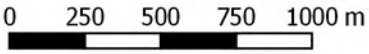

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

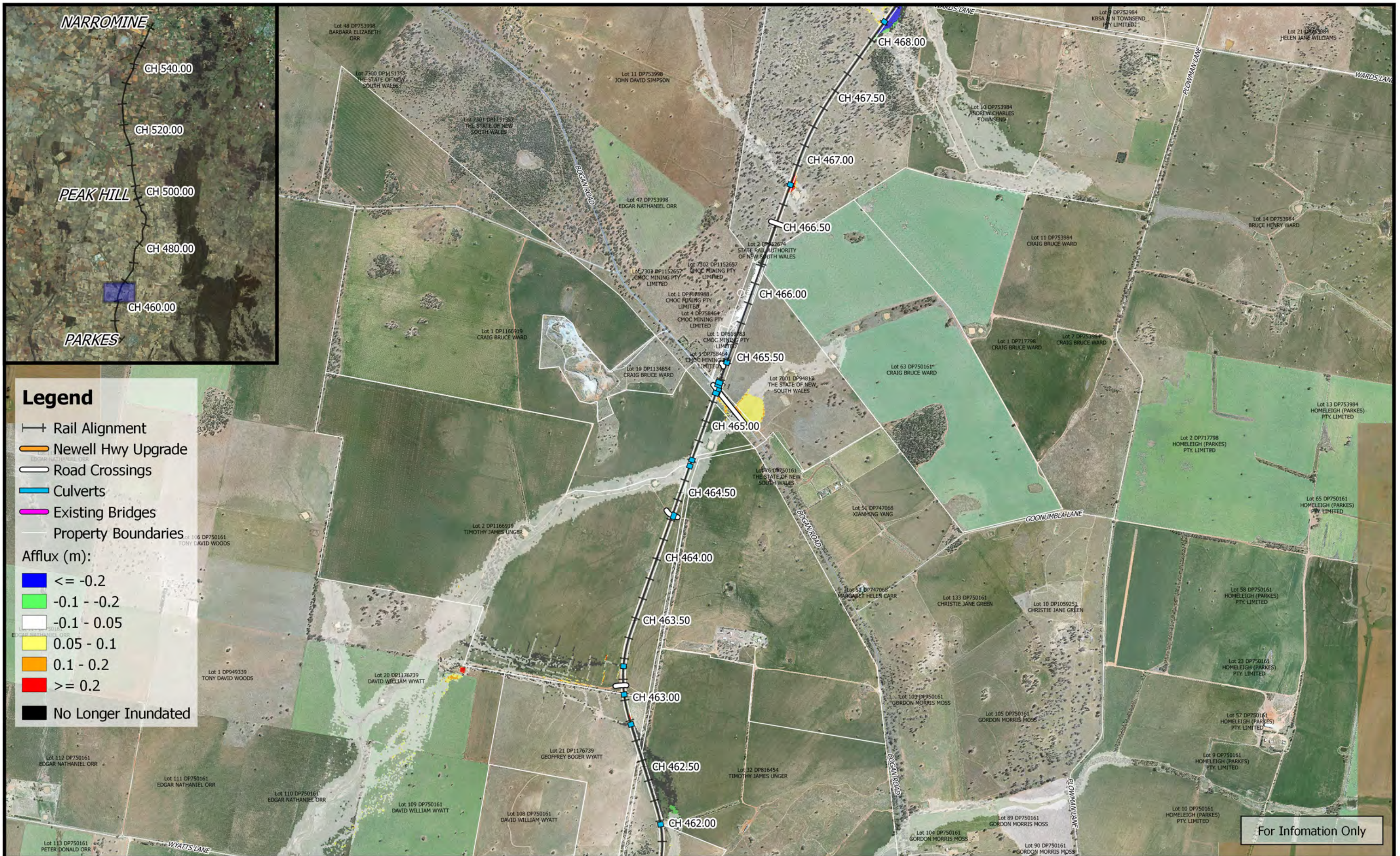
For Information Only

	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Date: 15/10/2018 Rev: A - For Information Only Prepared By: YeohM	Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results Figure DE10A2 10% AEP Flood Afflux - CH 455.00
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For Information Only

	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Date: 15/10/2018	Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results Figure DE10A3 10% AEP Flood Afflux - CH 460.00
			Rev: A - For Information Only	
			Prepared By: YeohM	



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

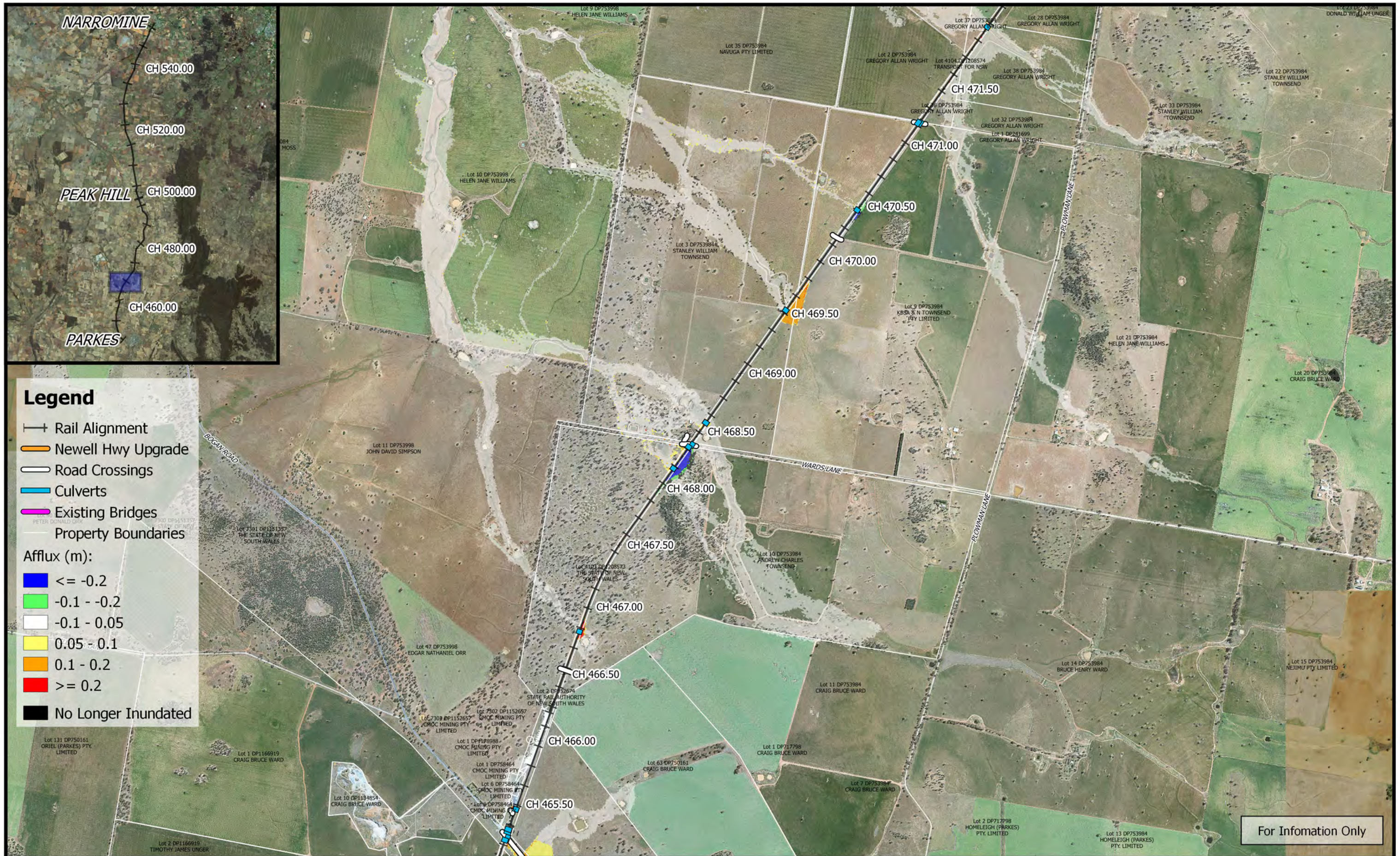
Afflux (m):

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>	<p>M M MOTT MACDONALD</p>	Date: 15/10/2018	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A4 10% AEP Flood Afflux - CH 465.00</p>	
	Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: A - For Information Only		
			Prepared By: YeohM		

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Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):


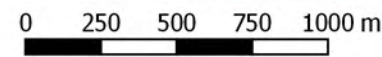

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

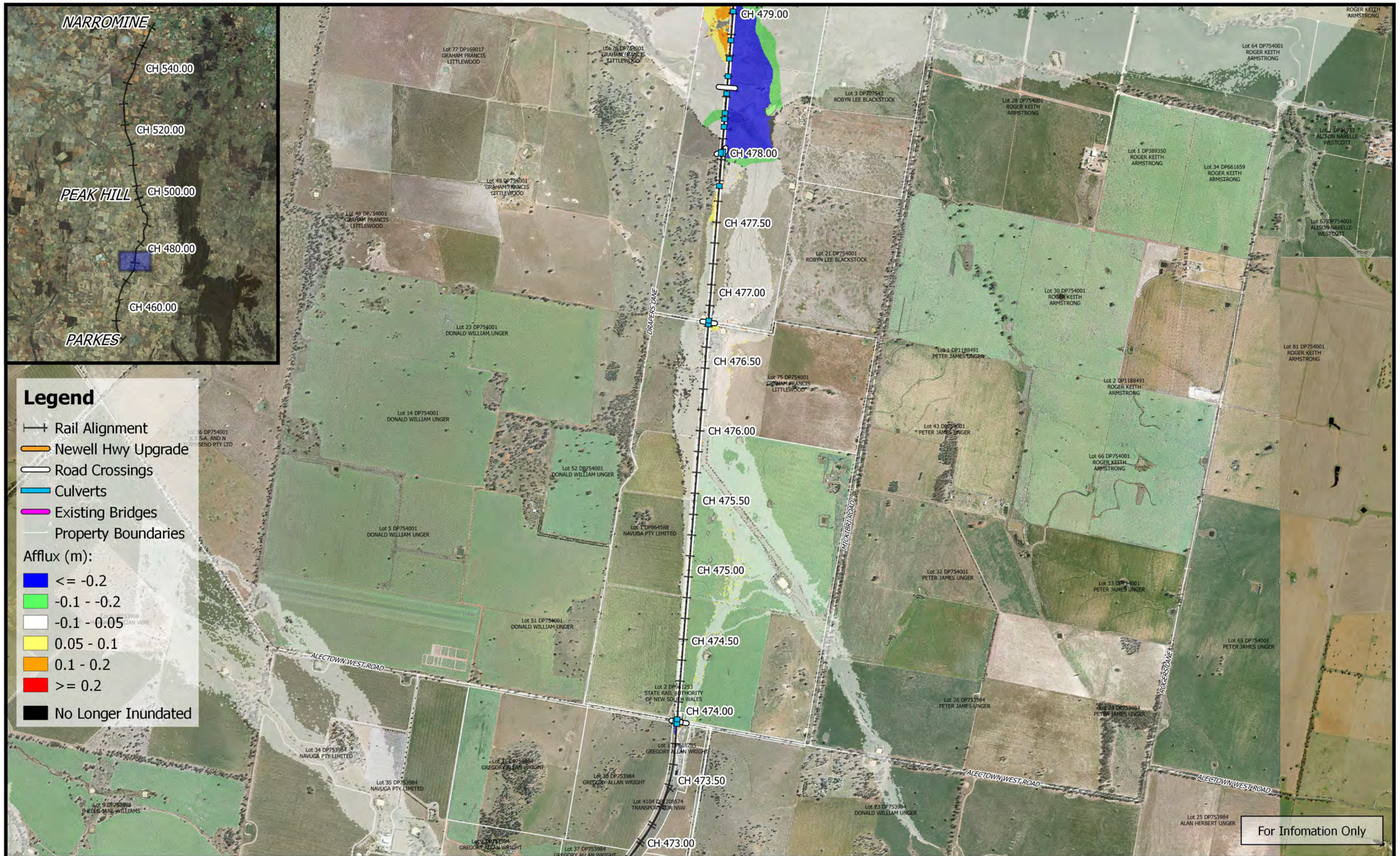
For Information Only

	<p>1:25,000</p>		Date: 15/10/2018	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A5 10% AEP Flood Afflux - CH 470.00</p>	
	Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: A - For Information Only		
			Prepared By: YeohM		



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	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Date: 15/10/2018 Rev: A - For Information Only Prepared By: YeohM	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure DE10A6 10% AEP Flood Afflux - CH 472.00</p>
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Legend

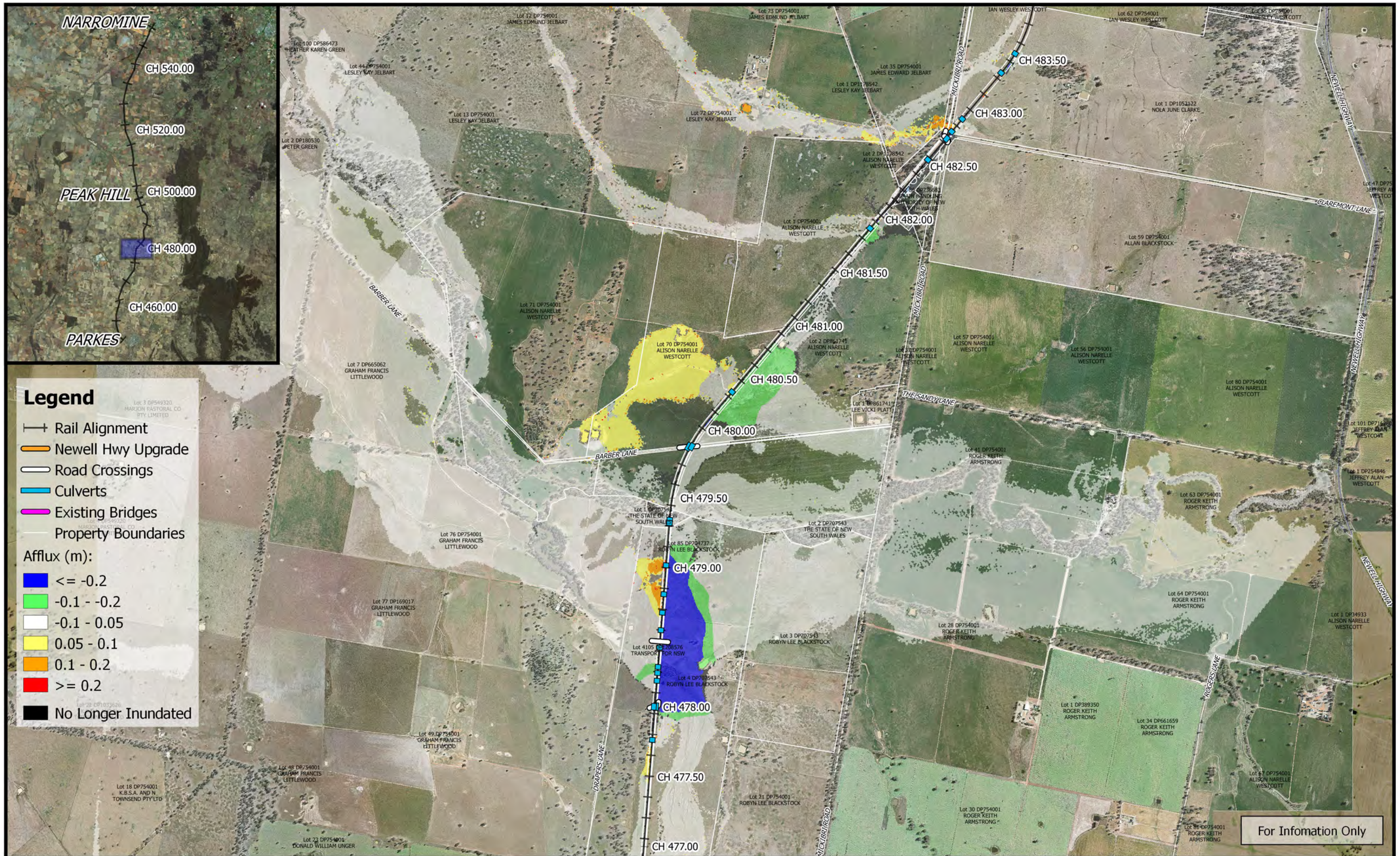
- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- ≤ -0.2
- $-0.1 - -0.2$
- $-0.1 - 0.05$
- $0.05 - 0.1$
- $0.1 - 0.2$
- ≥ 0.2
- No Longer Inundated

For Information Only

	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 15/10/2018</p> <p>Rev: A - For Information Only</p> <p>Prepared By: YeohM</p>	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A7 10% AEP Flood Afflux - CH 475.00</p>
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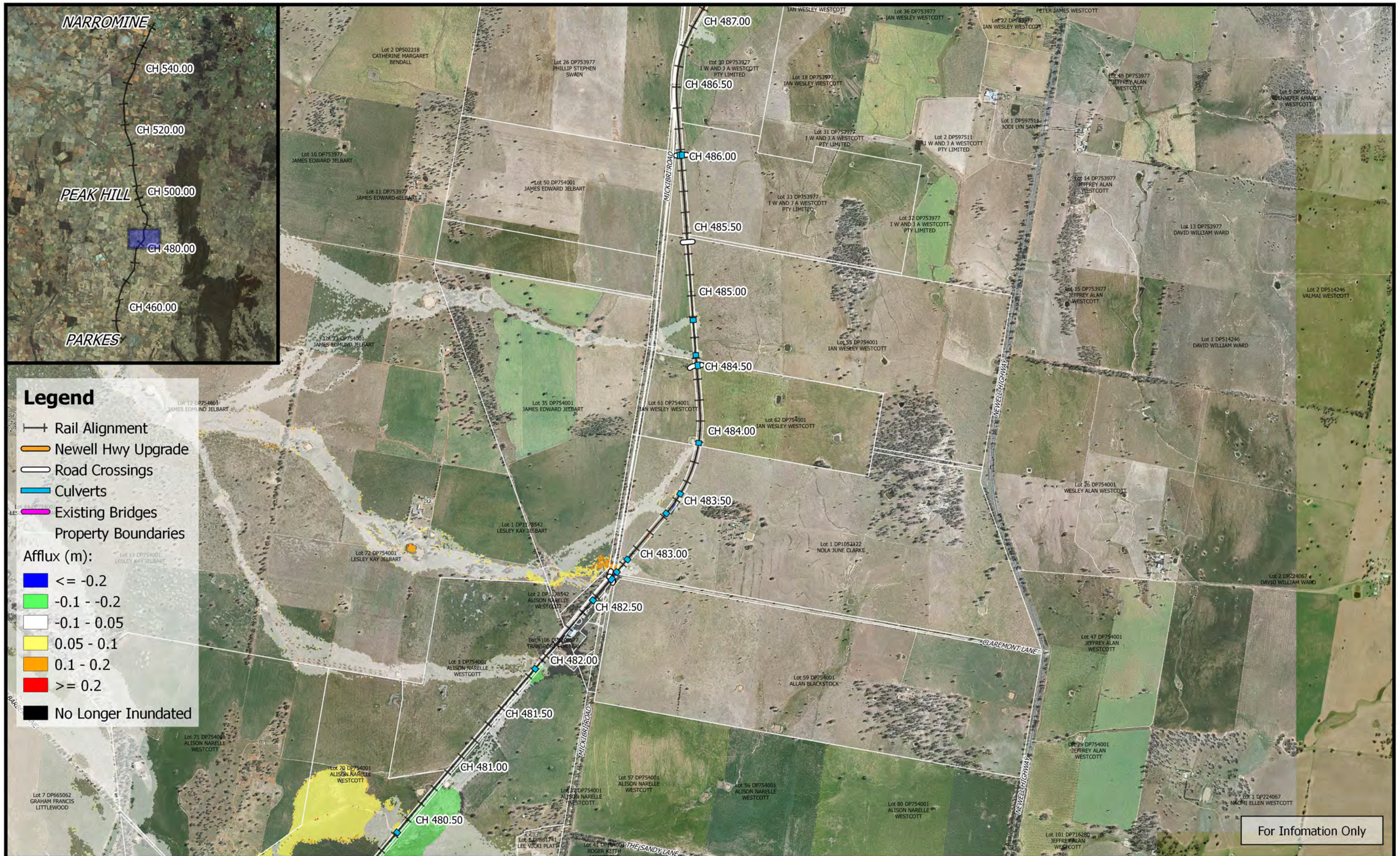
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries



Afflux (m):

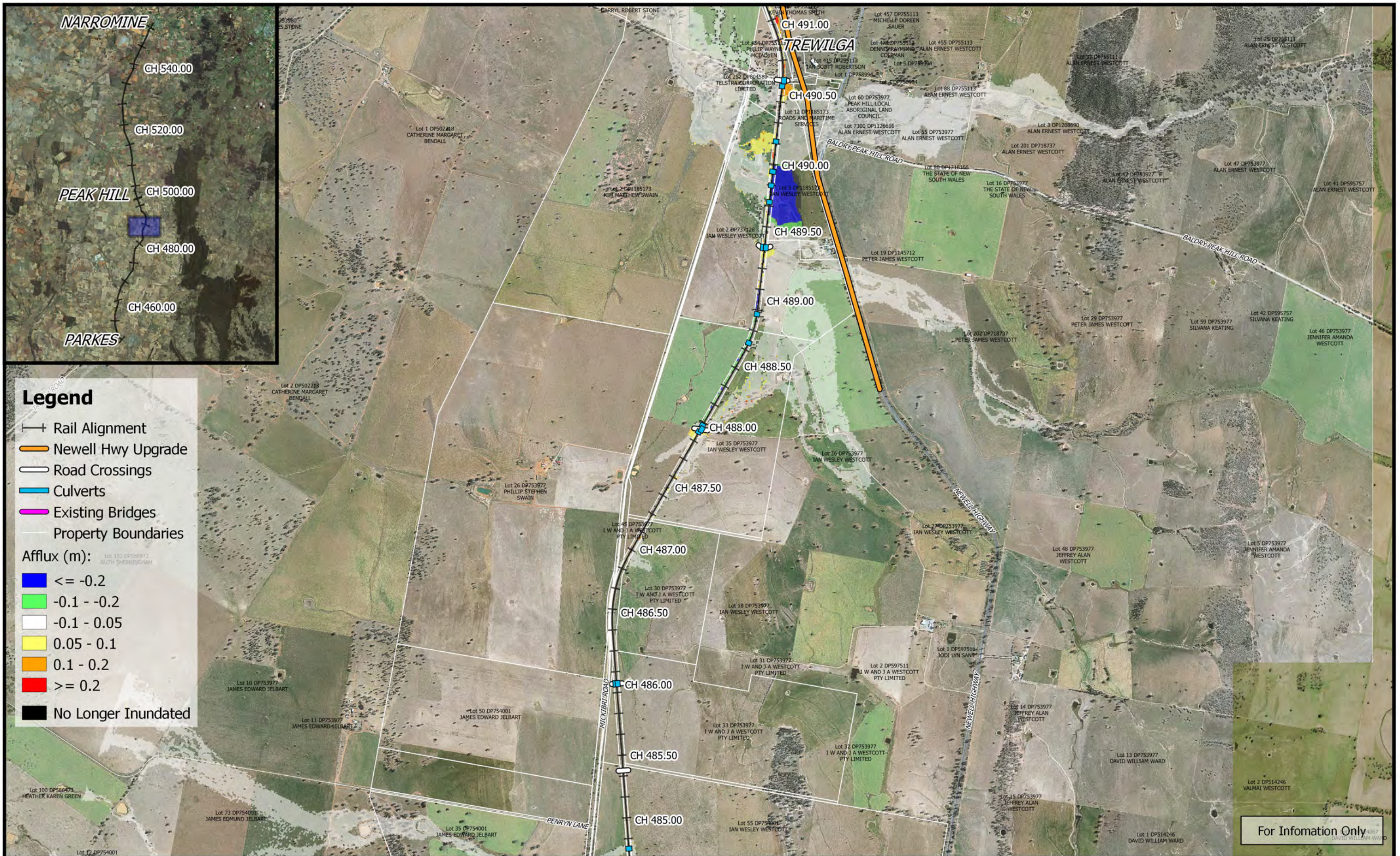
- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

	 1:25,000		Date: 15/10/2018	<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 DE10A8</p> <p style="margin: 0;">10% AEP Flood Afflux - CH 480.00</p>	
	Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: A - For Information Only		
			Prepared By: YeohM		



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	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 15/10/2018</p>	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A9 10% AEP Flood Afflux - CH 485.00</p>
			<p>Rev: A - For Information Only</p>	
			<p>Prepared By: YeohM</p>	



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 15/10/2018</p> <p>Rev: A - For Information Only</p> <p>Prepared By: YeohM</p>	<p>Inland Rail - Parkes to Narromine</p> <p>IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A10</p> <p>10% AEP Flood Afflux - CH 490.00</p>
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Legend

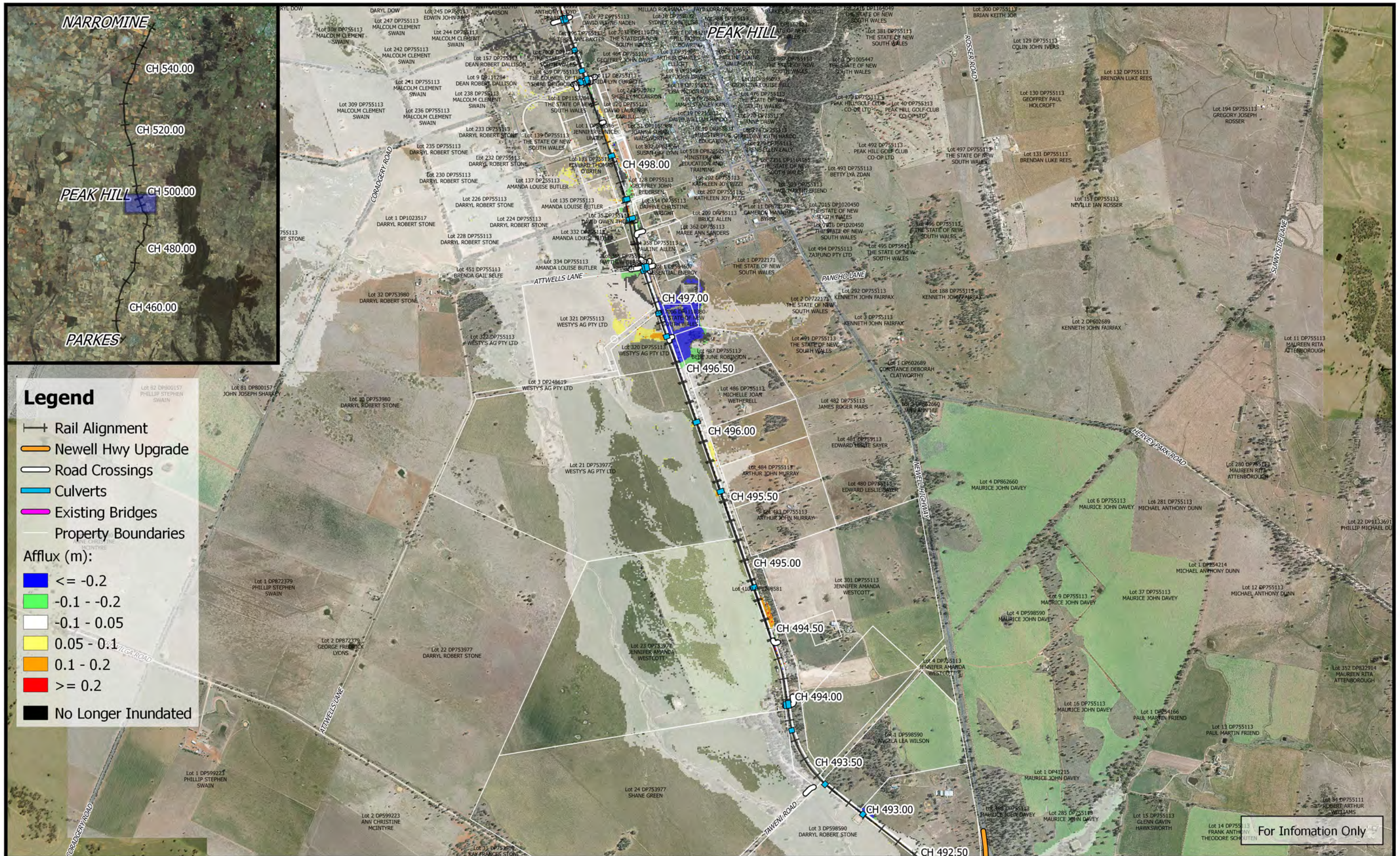
- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

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	<p>1:25,000</p>		Date: 15/10/2018	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A11 10% AEP Flood Afflux - CH 492.00</p>
	Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: A - For Information Only	
	Prepared By: YeohM			



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

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	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 15/10/2018</p> <p>Rev: A - For Information Only</p> <p>Prepared By: YeohM</p>	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A12 10% AEP Flood Afflux - CH 495.00</p>
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Legend

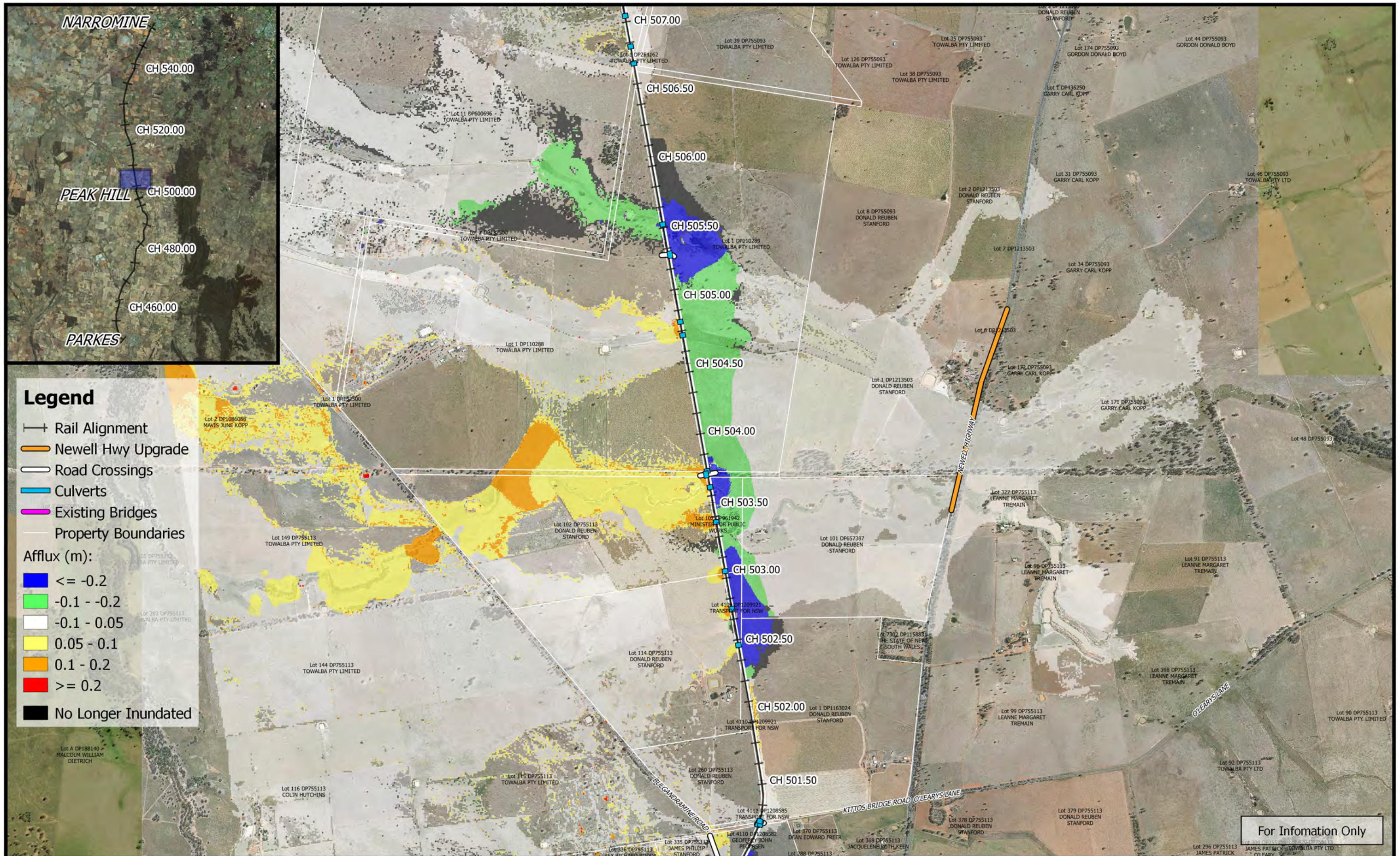
- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- <= -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- >= 0.2
- No Longer Inundated

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	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 15/10/2018</p> <p>Rev: A - For Information Only</p> <p>Prepared By: YeohM</p>	<p>Inland Rail - Parkes to Narromine</p> <p>IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A13</p> <p>10% AEP Flood Afflux - CH 500.00</p>
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Legend

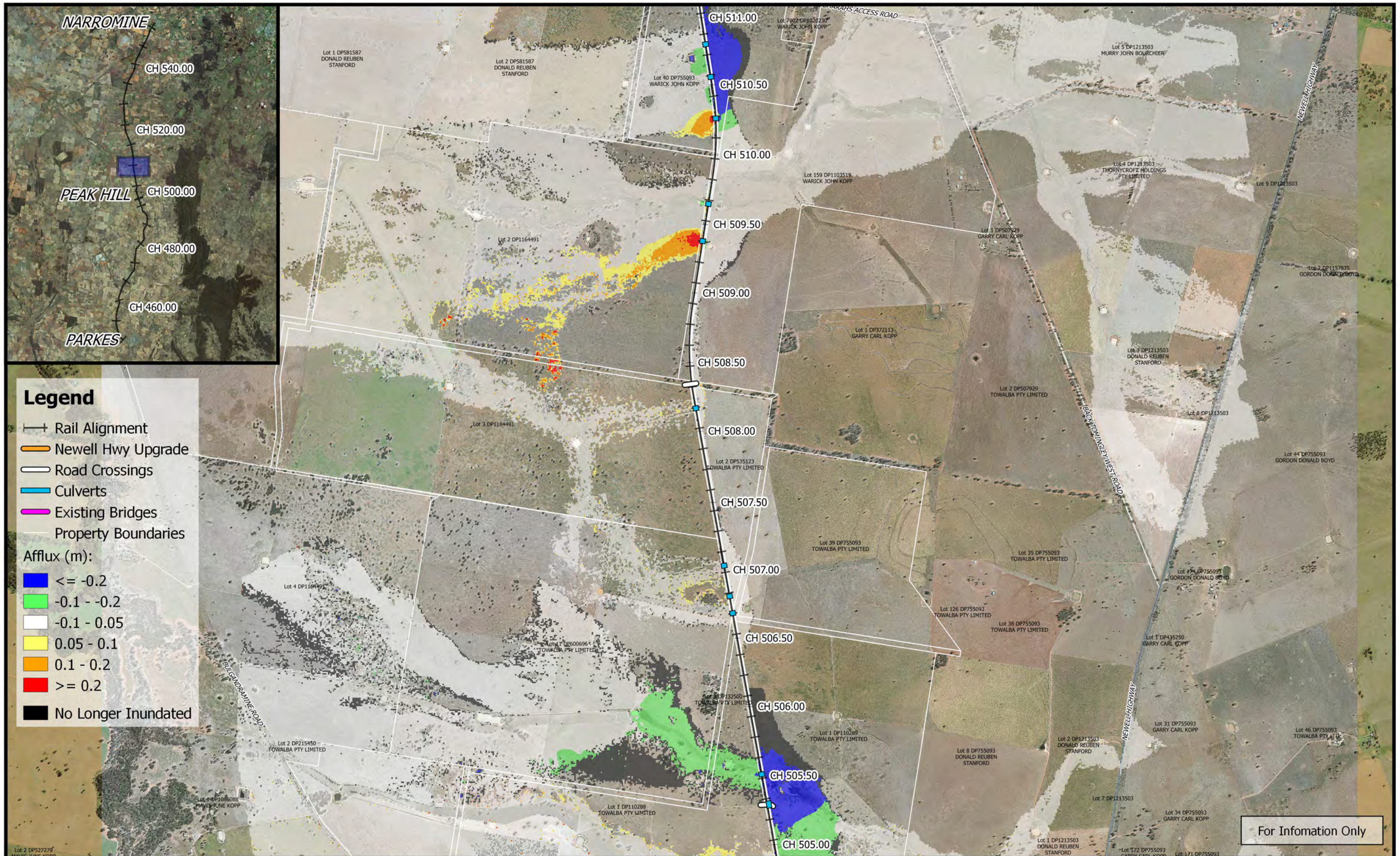
- +— Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):



- Blue: <= -0.2
- Green: -0.1 - -0.2
- White: -0.1 - 0.05
- Yellow: 0.05 - 0.1
- Orange: 0.1 - 0.2
- Red: >= 0.2
- Black: No Longer Inundated

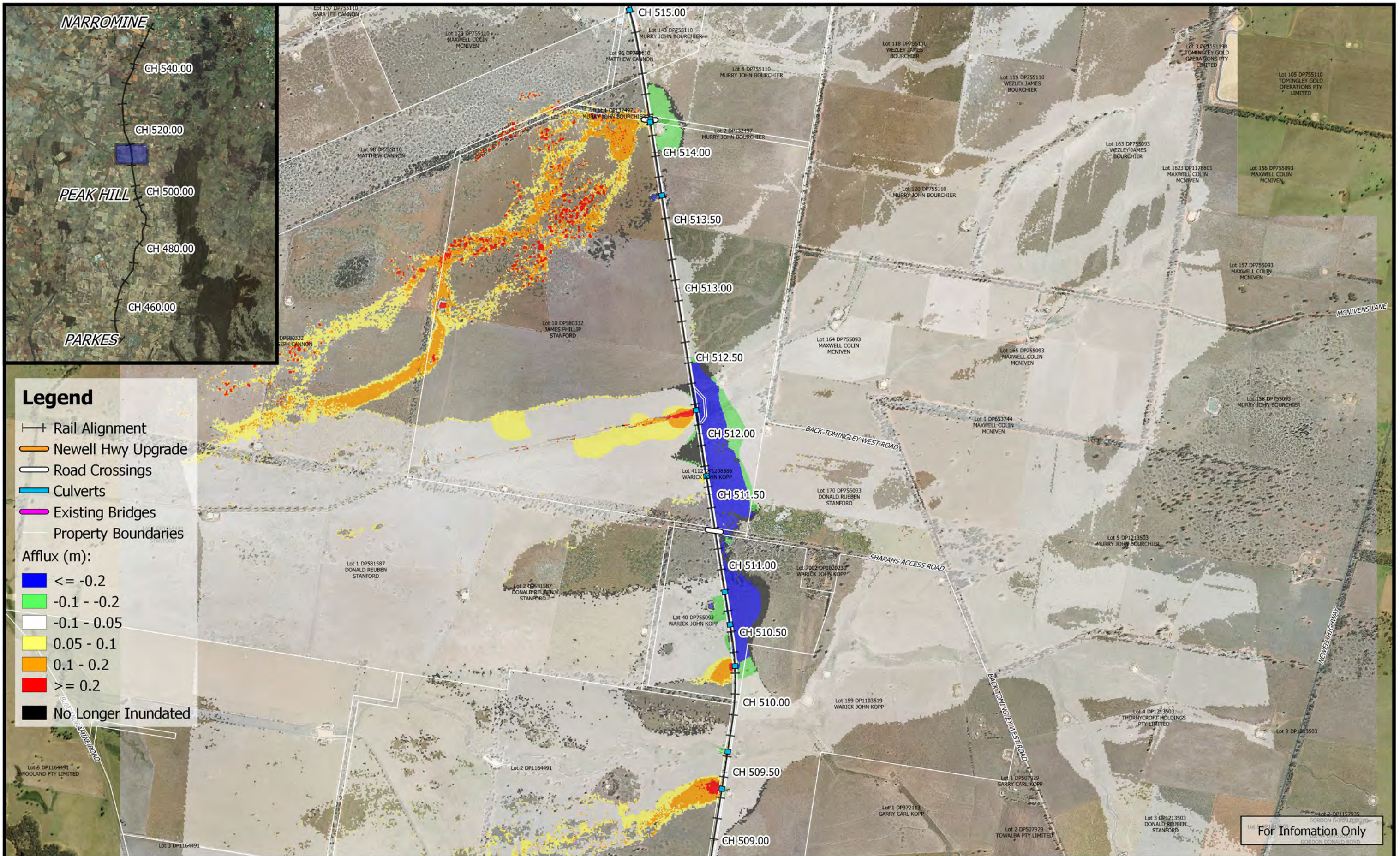
For Information Only

	<p>1:25,000</p>		Date: 15/10/2018	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A14 10% AEP Flood Afflux - CH 505.00</p>
	Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: A - For Information Only	
	Prepared By: YeohM			



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	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 15/10/2018	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure DE10A15 10% AEP Flood Afflux - CH 510.00</p>
	<p>Rev: A - For Information Only</p>			
	<p>Prepared By: YeohM</p>			



Legend

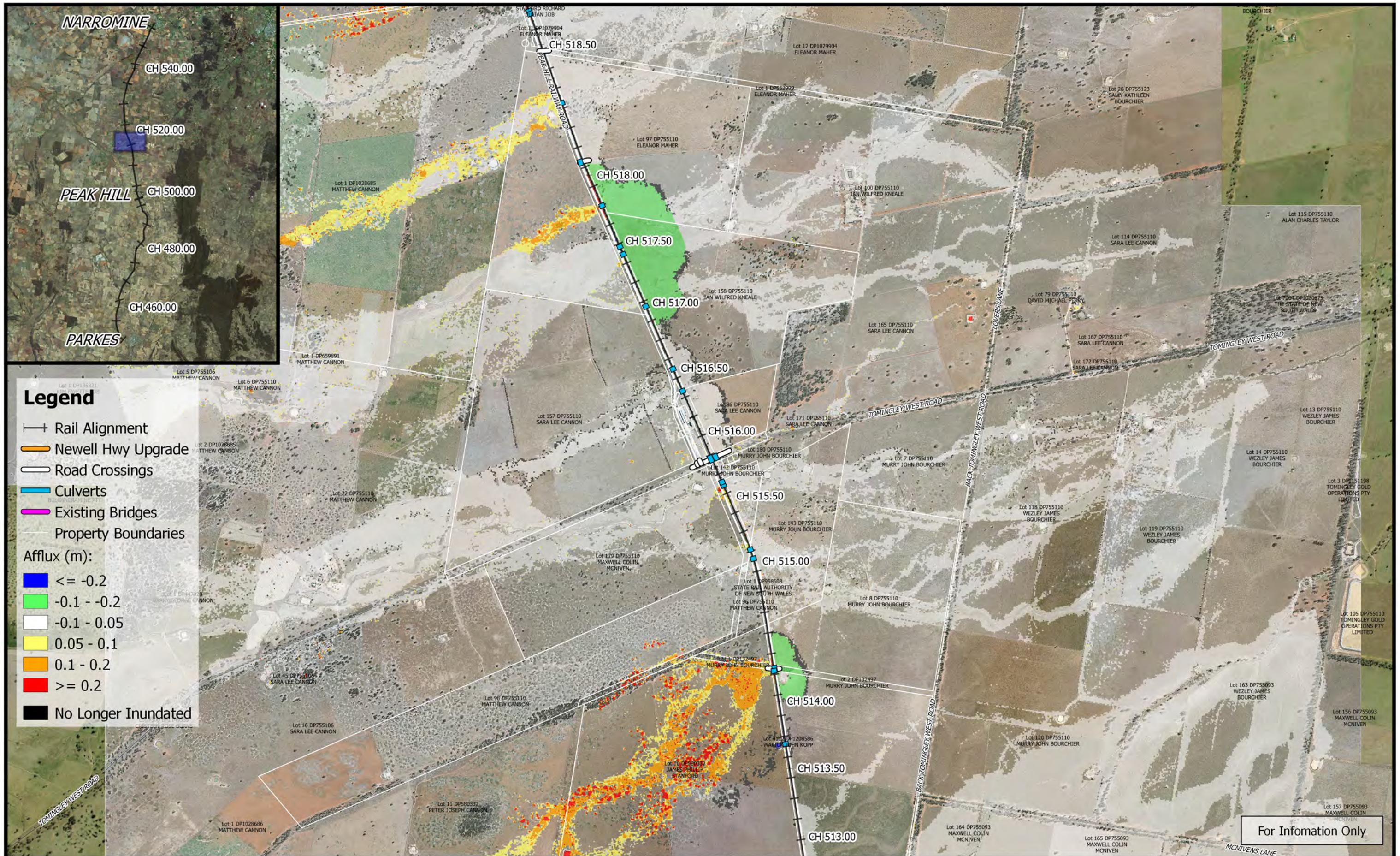
- +— Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- Blue: ≤ -0.2
- Green: $-0.1 - -0.2$
- White: $-0.1 - 0.05$
- Yellow: $0.05 - 0.1$
- Orange: $0.1 - 0.2$
- Red: ≥ 0.2
- Black: No Longer Inundated

For Information Only

	<p>1:25,000</p>		Date: 15/10/2018	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
	Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: A - For Information Only	
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Legend

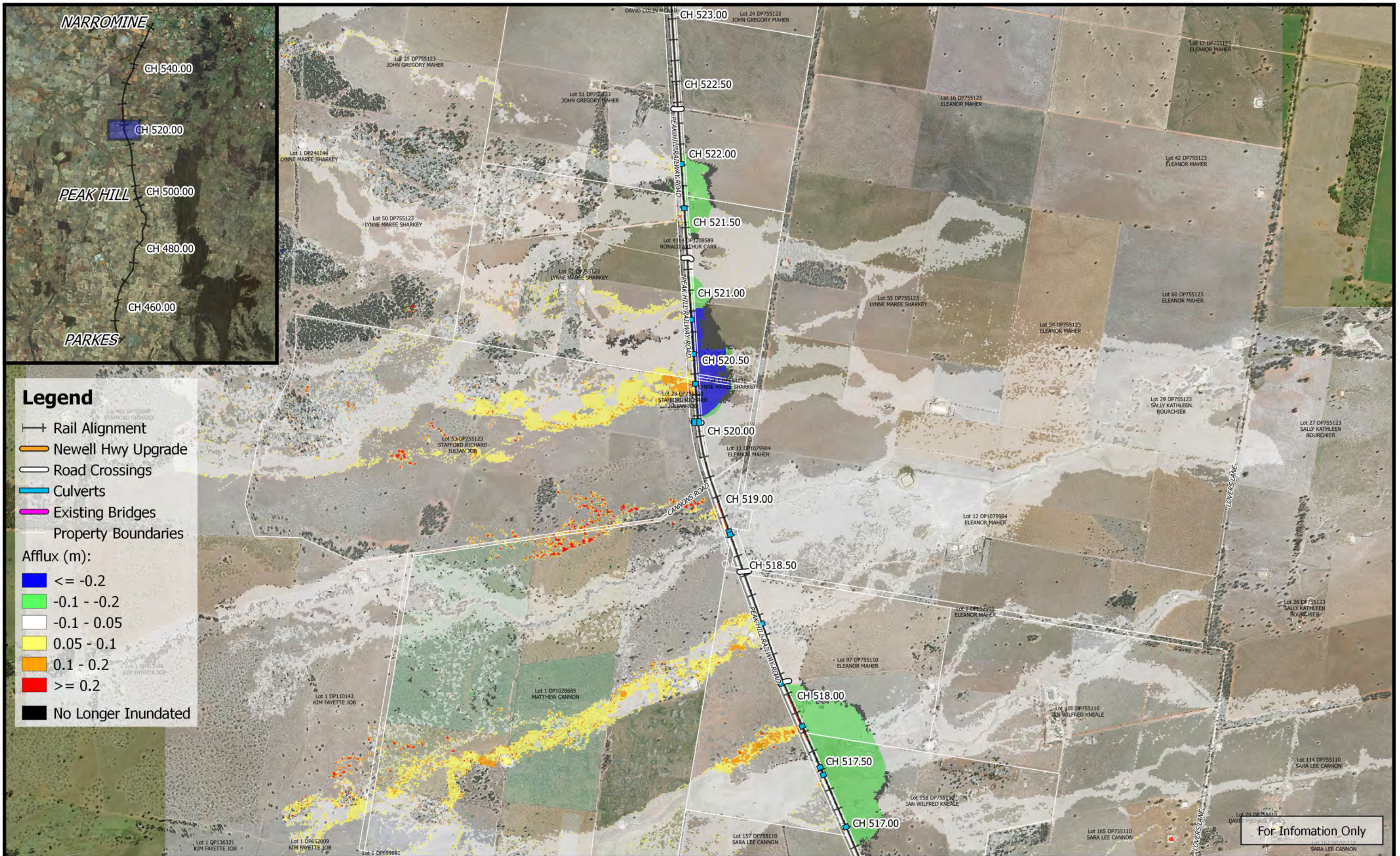
- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

For Information Only

	<p>1:25,000</p>		Date: 15/10/2018	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A17 10% AEP Flood Afflux - CH 515.00</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Rev: A - For Information Only	
	<p>Prepared By: YeohM</p>			



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

For Information Only

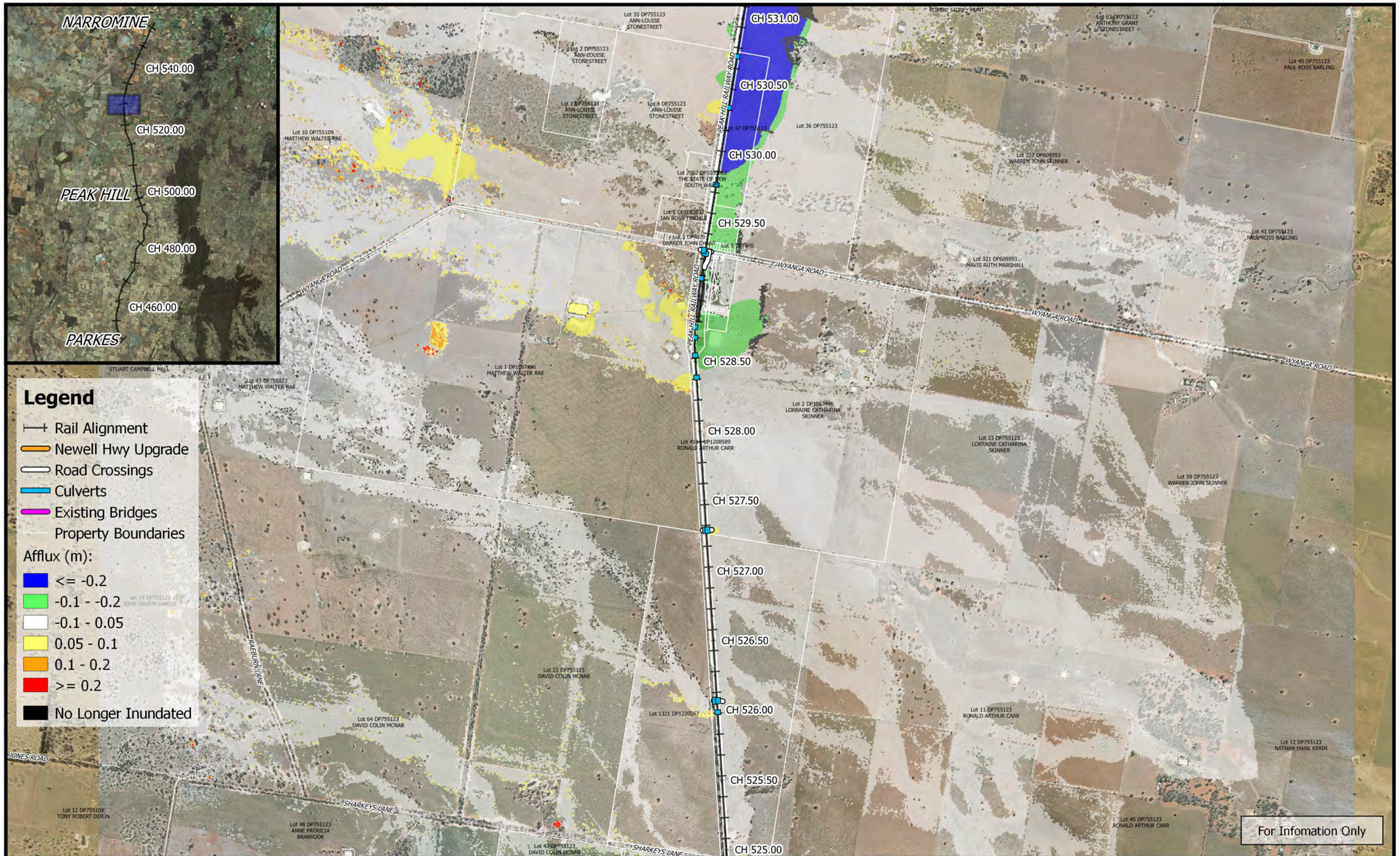
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	<p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Rev: A - For Information Only</p>	
			Prepared By: YeohM	





- Legend**
- +— Rail Alignment
 - Newell Hwy Upgrade
 - Road Crossings
 - Culverts
 - Existing Bridges
 - Property Boundaries
- Afflux (m):**
- Blue: ≤ -0.2
 - Green: $-0.1 - -0.2$
 - White: $-0.1 - 0.05$
 - Yellow: $0.05 - 0.1$
 - Orange: $0.1 - 0.2$
 - Red: ≥ 0.2
 - Black: No Longer Inundated

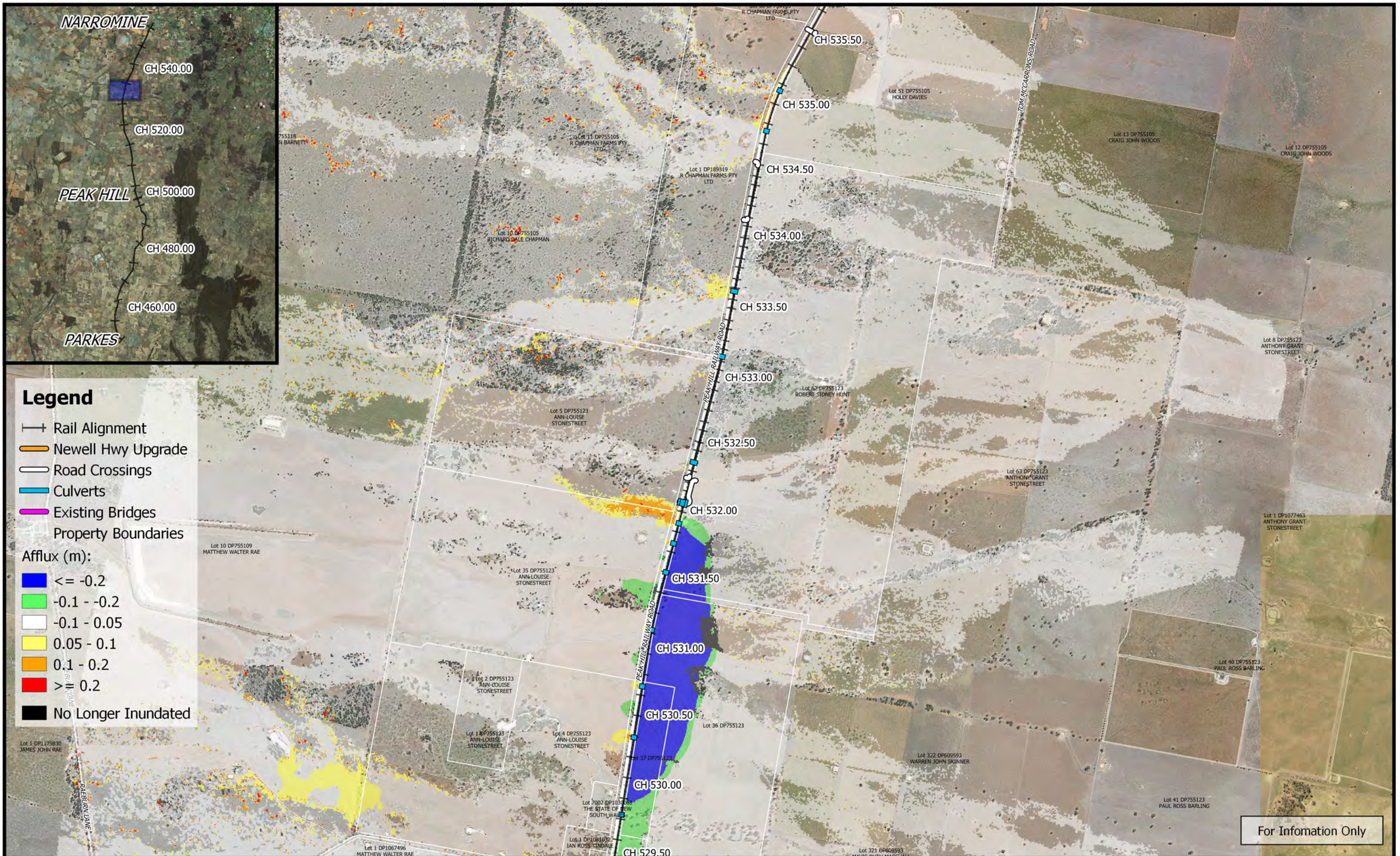
For Information Only

	<p>1:25,000</p>		Date: 15/10/2018	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p>Figure DE10A19 10% AEP Flood Afflux - CH 525.00</p>	
	Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: A - For Information Only		
			Prepared By: YeohM		





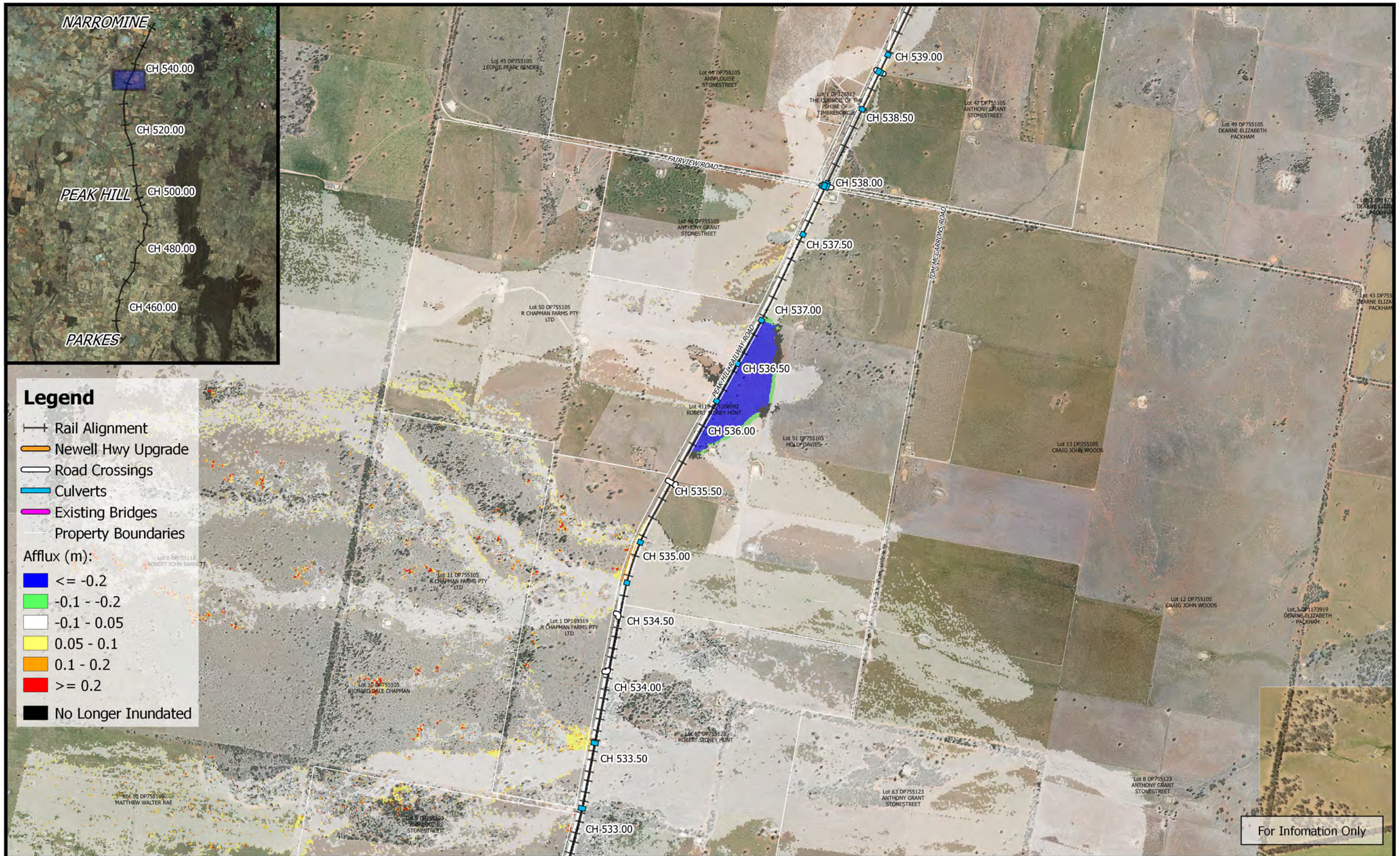
For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 15/10/2018	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure DE10A20 10% AEP Flood Afflux - CH 530.00</p>
			Rev: A - For Information Only	
			Prepared By: YeohM	


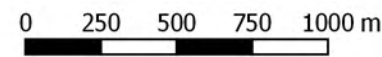



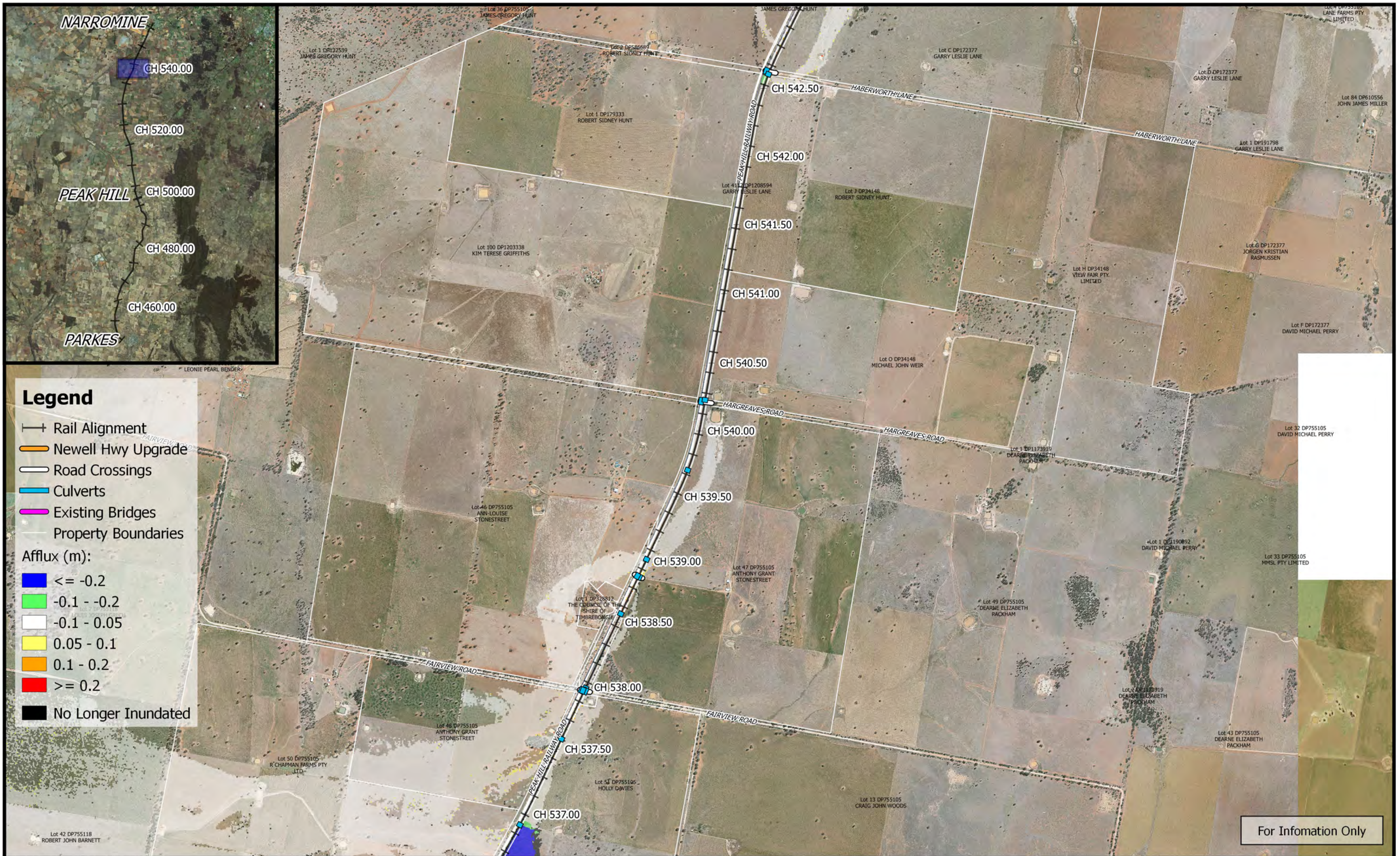
For Information Only

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			Rev: A - For Information Only	
			Prepared By: YeohM	



For Information Only

	 1:25,000		Date: 15/10/2018	Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results Figure DE10A22 10% AEP Flood Afflux - CH 535.00
	Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3		Rev: A - For Information Only	
	Prepared By: YeohM			



Legend

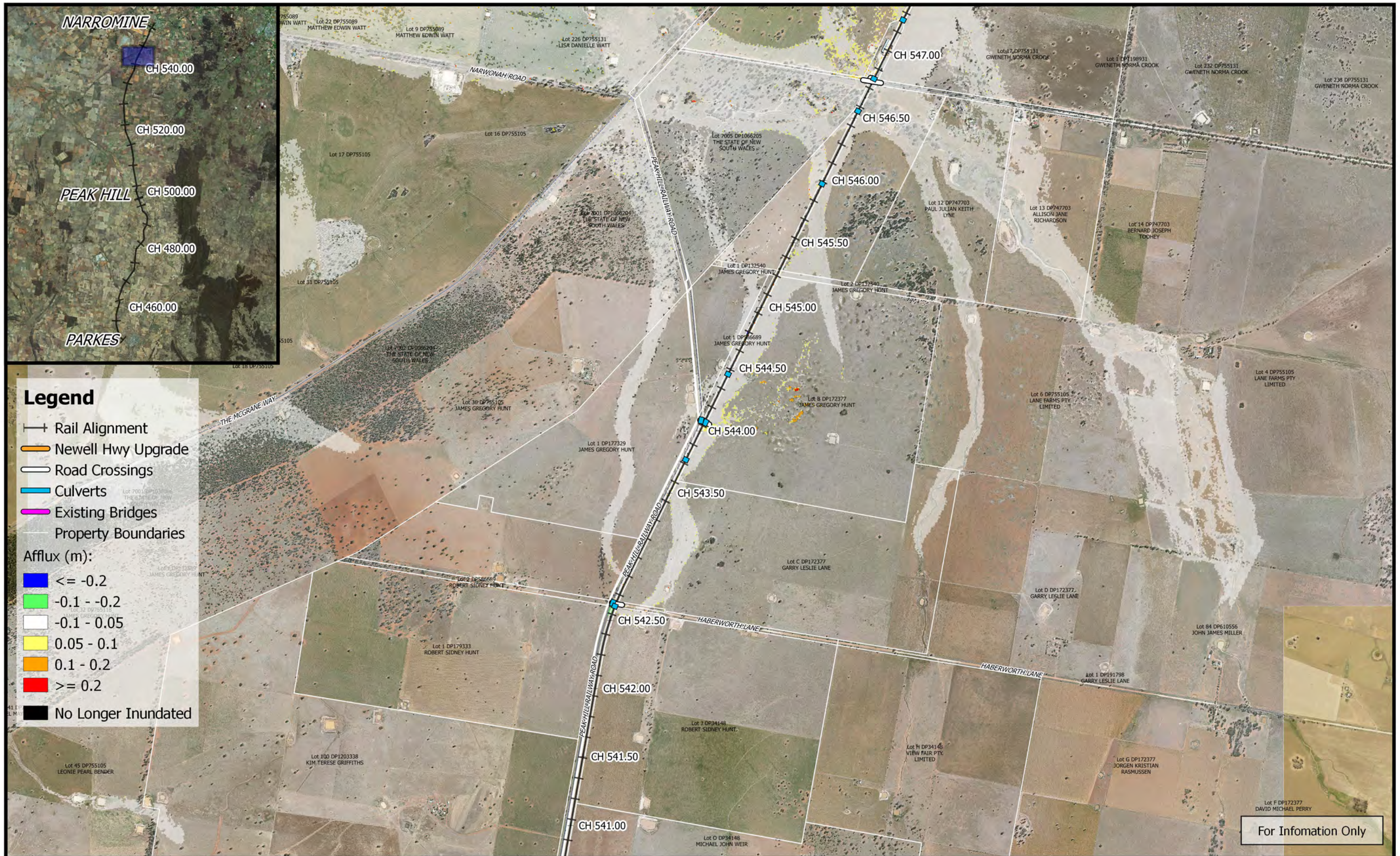
- +— Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- Blue: ≤ -0.2
- Green: $-0.1 - -0.2$
- White: $-0.1 - 0.05$
- Yellow: $0.05 - 0.1$
- Orange: $0.1 - 0.2$
- Red: ≥ 0.2
- Black: No Longer Inundated

For Information Only

	<p>1:25,000</p>		Date: 15/10/2018	<p>Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Rev: A - For Information Only</p>	
			Prepared By: YeohM	



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Road Crossings
- Culverts
- Existing Bridges
- Property Boundaries

Afflux (m):

- ≤ -0.2
- 0.1 - -0.2
- 0.1 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- ≥ 0.2
- No Longer Inundated

0 250 500 750 1000 m

1:25,000

Coordinate system: GDA 1994 MGA Zone 55
 Aerial Source: NSW Six Map
 Scale ratio correct when printed at A3



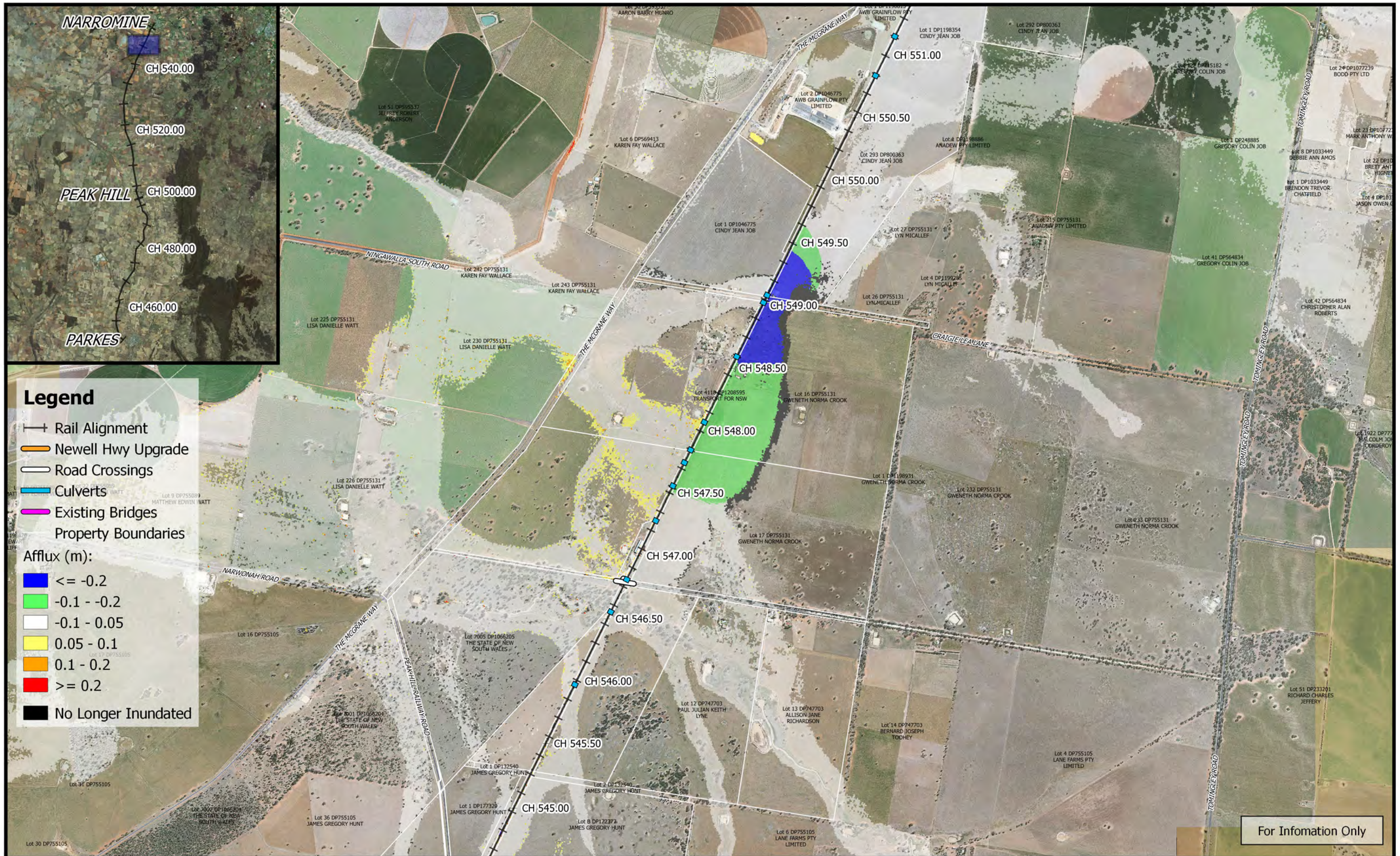
Date: 15/10/2018

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Inland Rail - Parkes to Narromine
 IFC - Cross Drainage Flood Impact Assessment Results

Figure DE10A24
 10% AEP Flood Afflux - CH 545.00



For Information Only

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 15/10/2018	<p align="center">Inland Rail - Parkes to Narromine IFC - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure DE10A25 10% AEP Flood Afflux - CH 550.00</p>
			Rev: A - For Information Only	
			Prepared By: YeohM	