

# APPENDIX

# E

## Flood Study Report

### **Attachment B** Existing Conditions Flood Maps

- ▶ Existing Flood Velocity 39% AEP: *Figures EX39V1 to EX39V37*
- ▶ Existing Flood Velocity 10% AEP: *Figures EX10V1 to EX10V37*





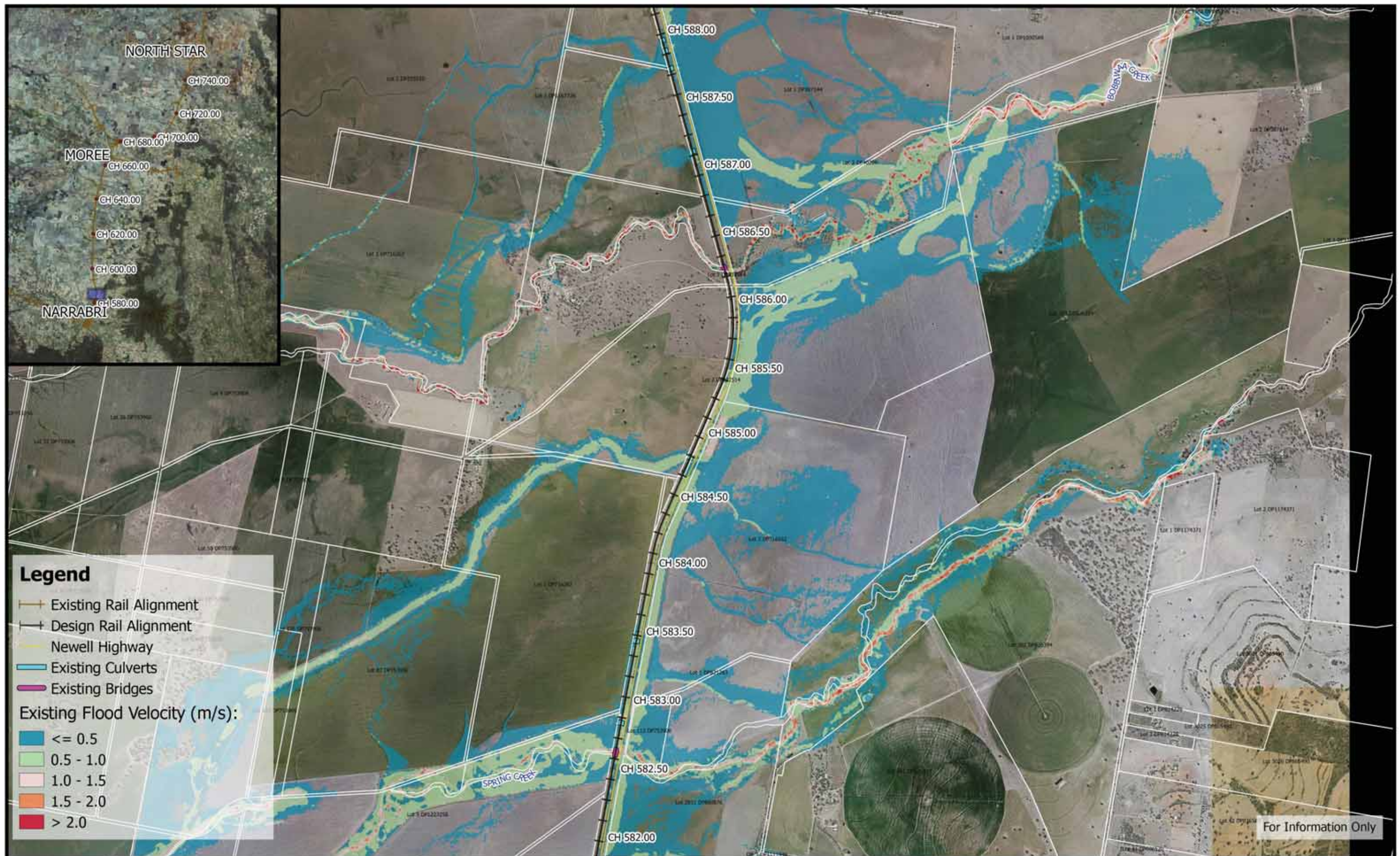
	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 20/5/2019	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure EX39V1</b> 39% AEP Existing Velocity - CH 575.00</p>
			Rev A: For Information Only	
			Prepared By: stephensk	



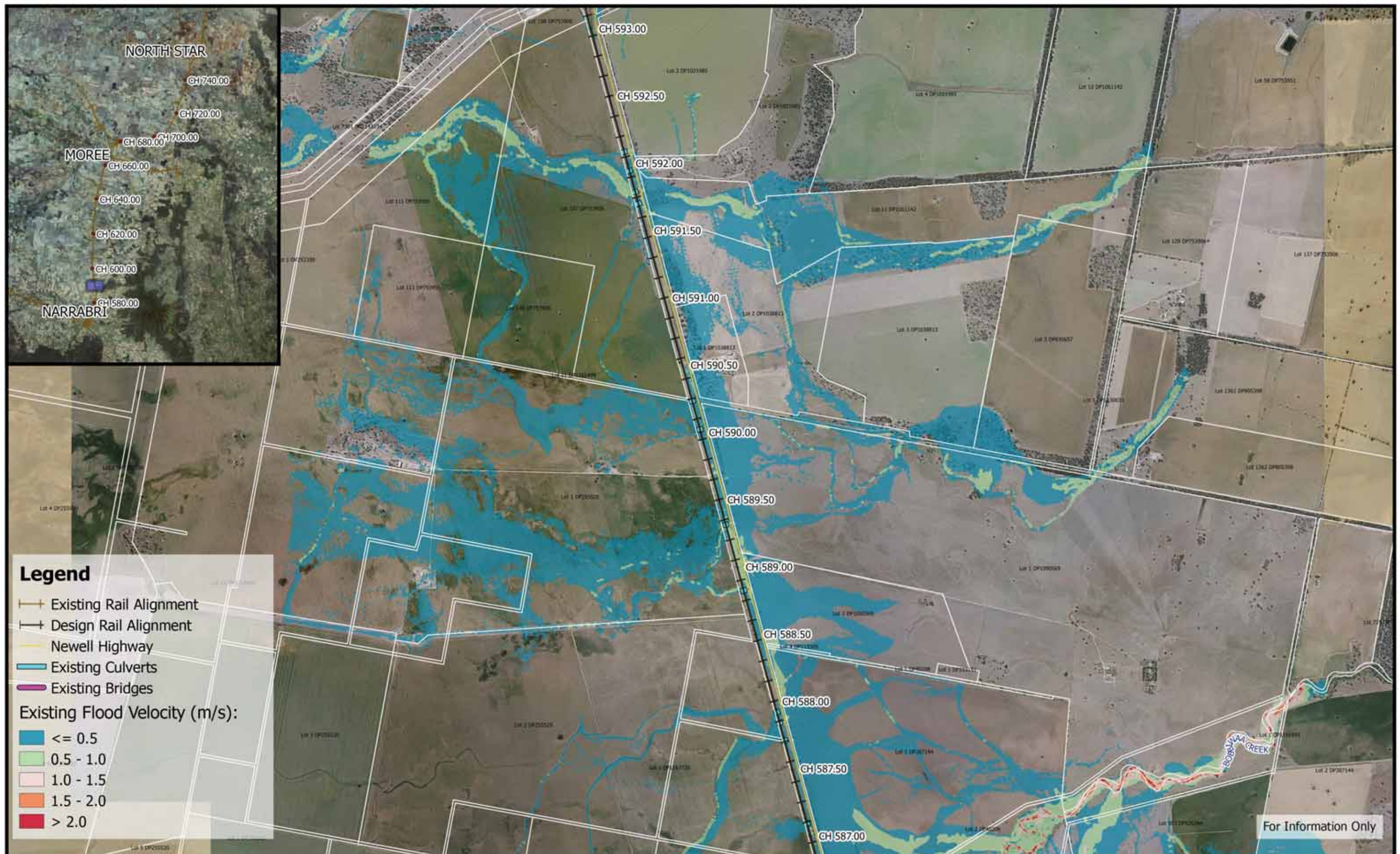


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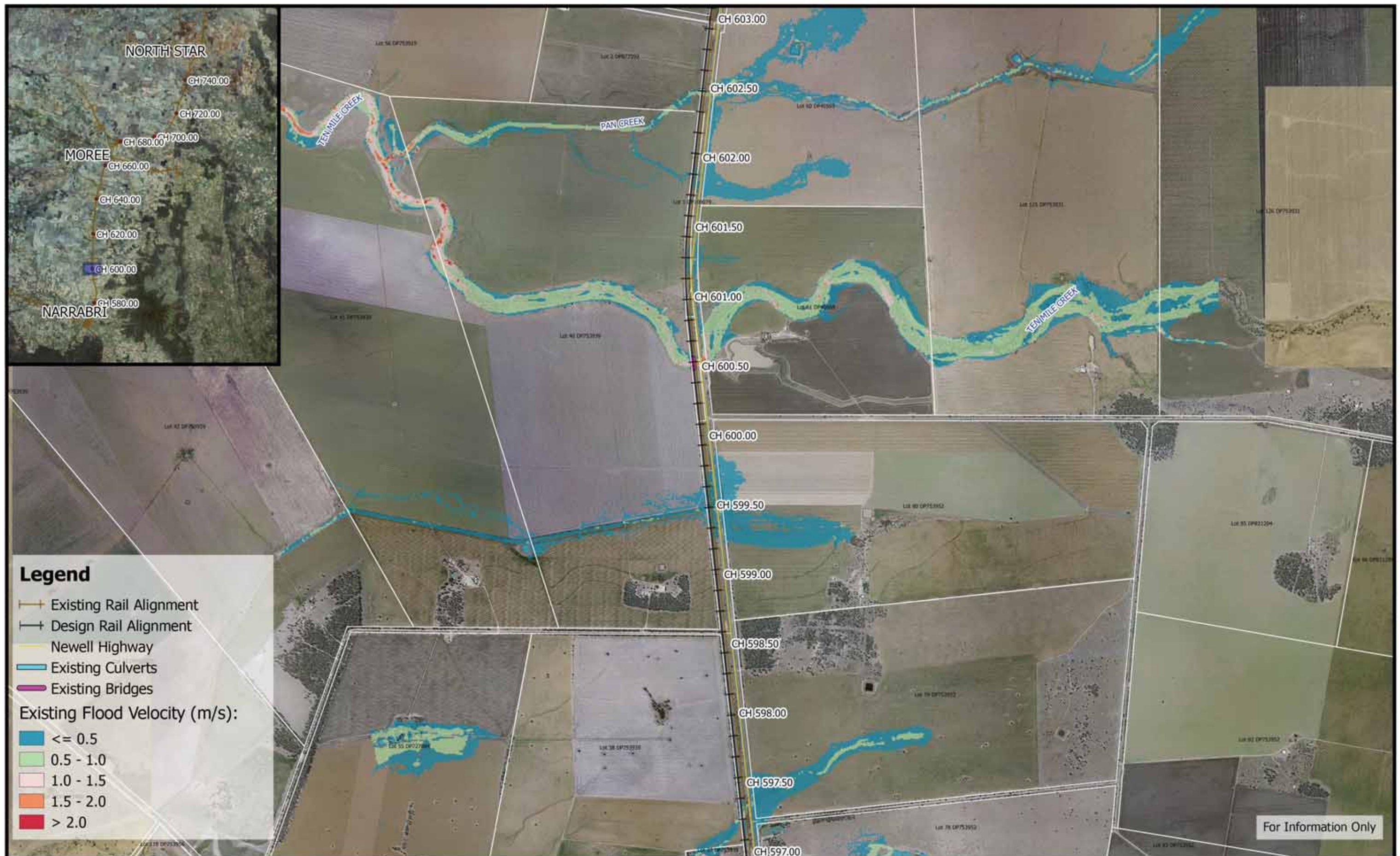














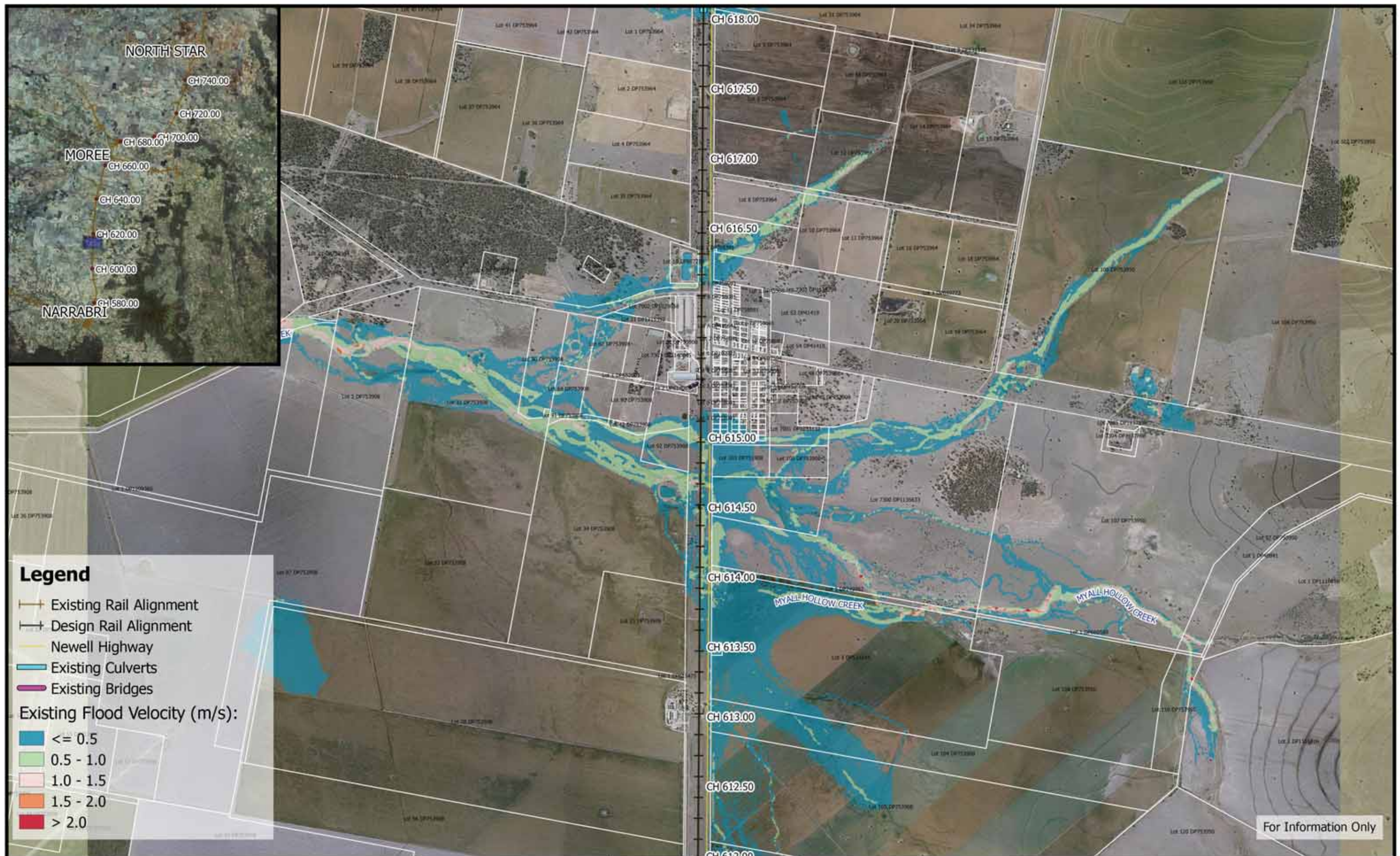




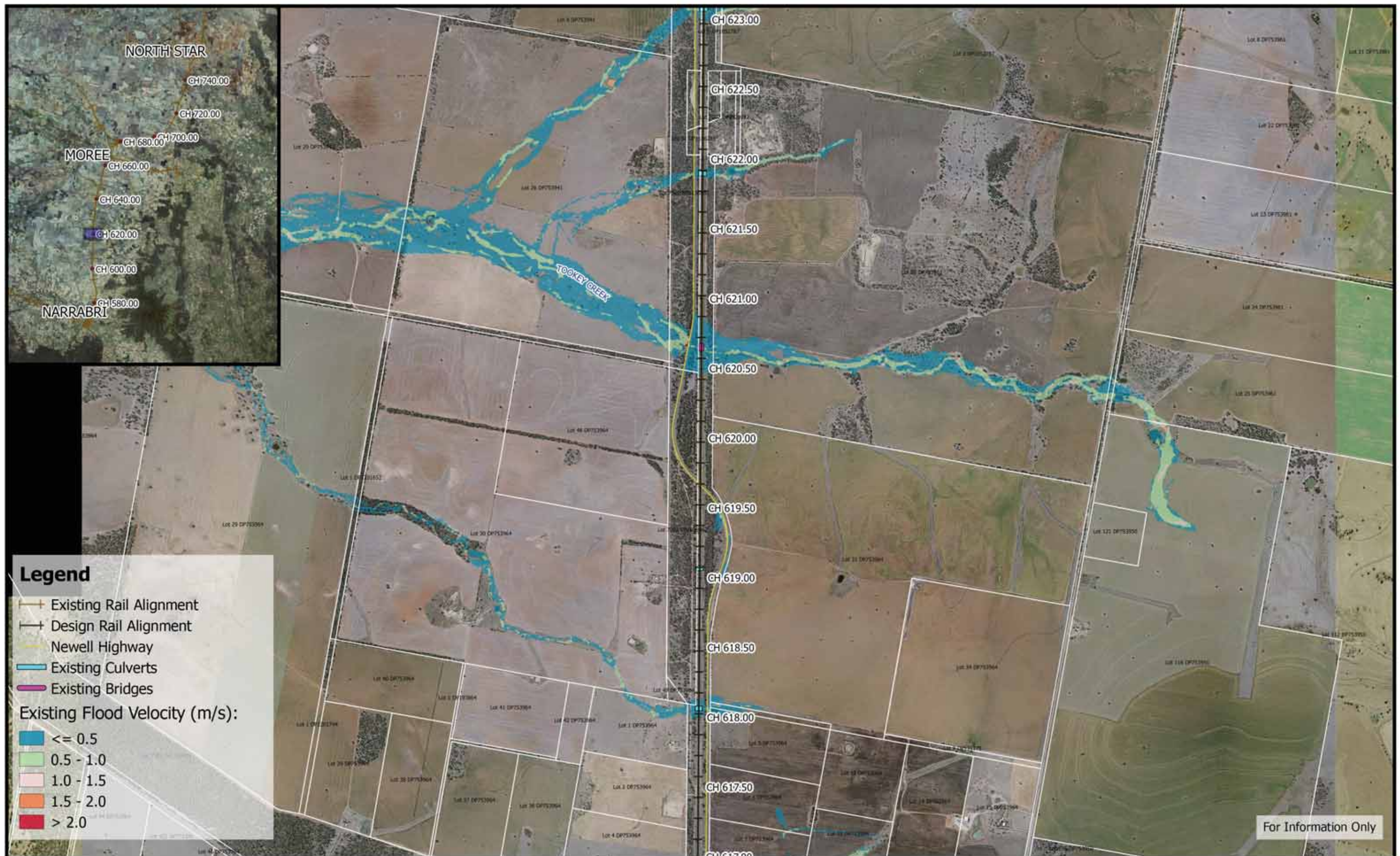


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			Rev A: For Information Only	
			Prepared By: stephensk	

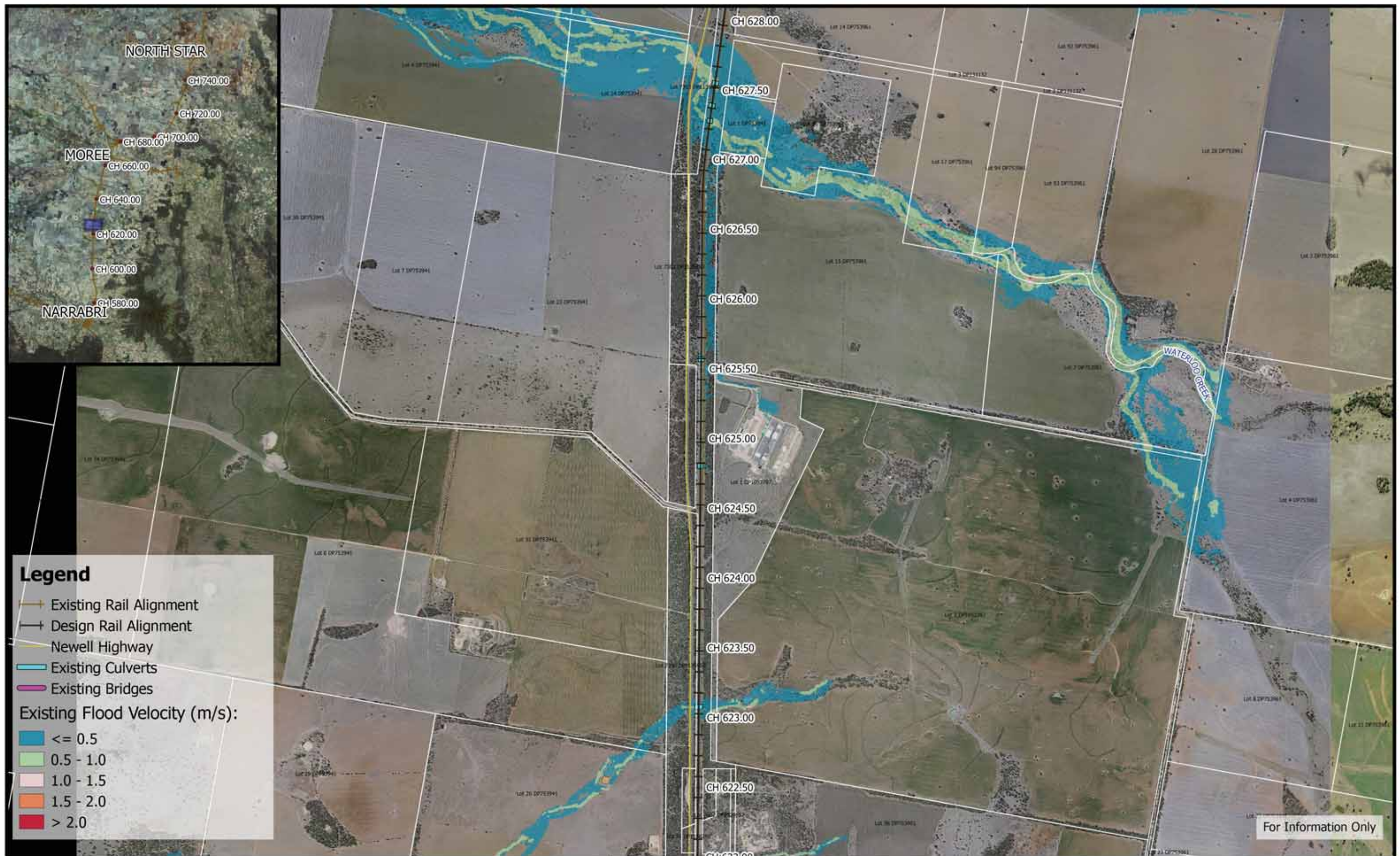






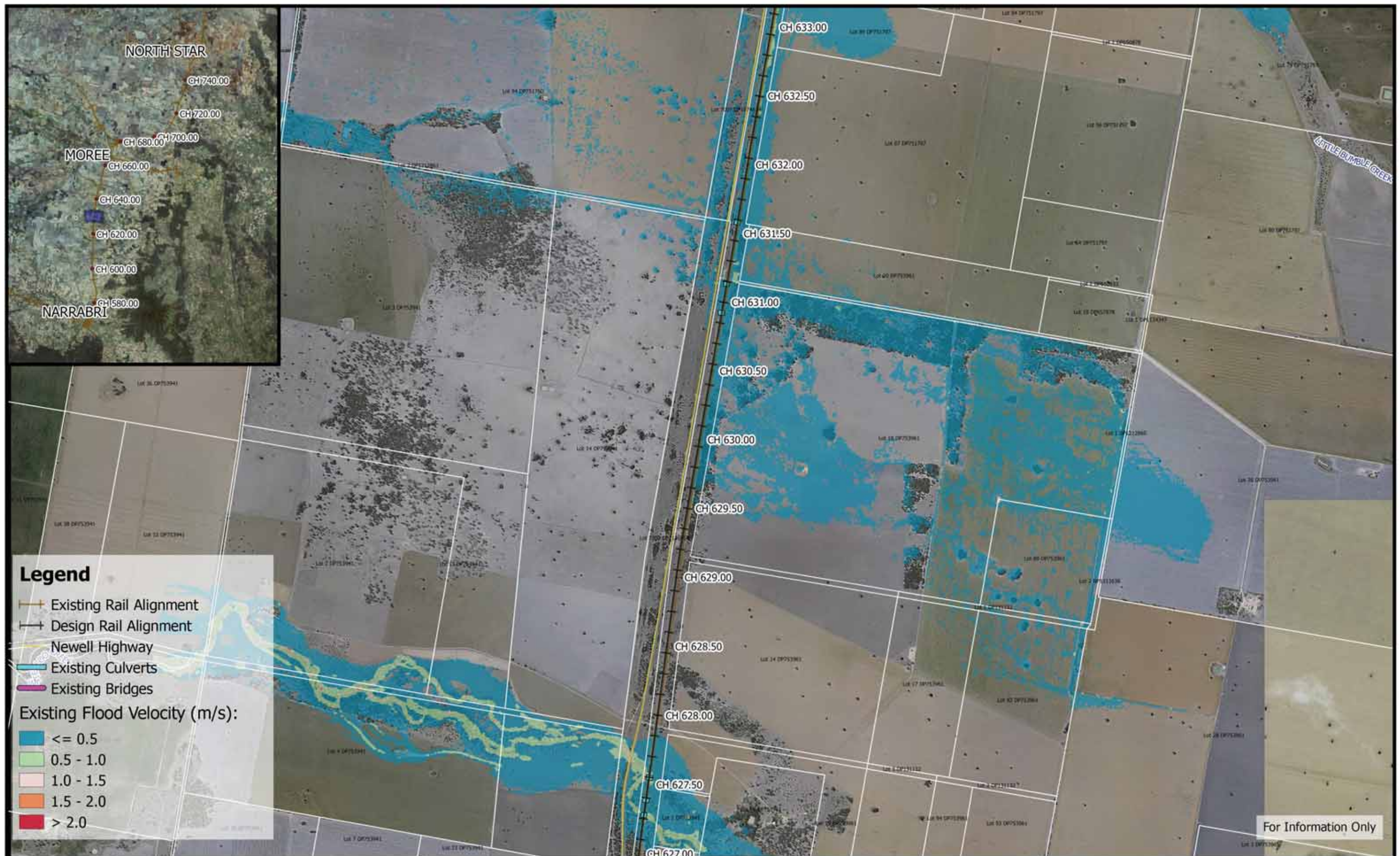






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			Rev A: For Information Only	
			Prepared By: stephensk	

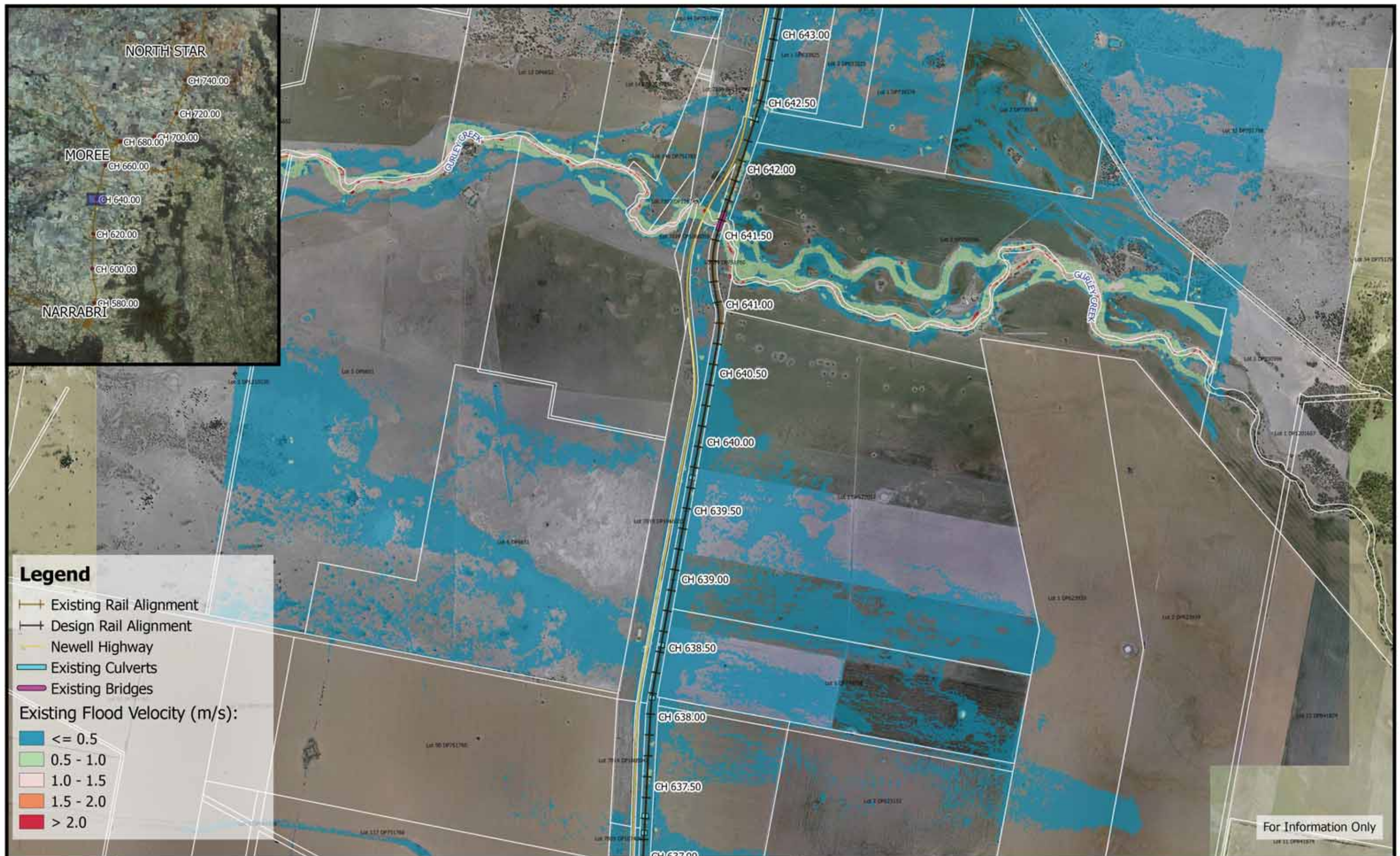




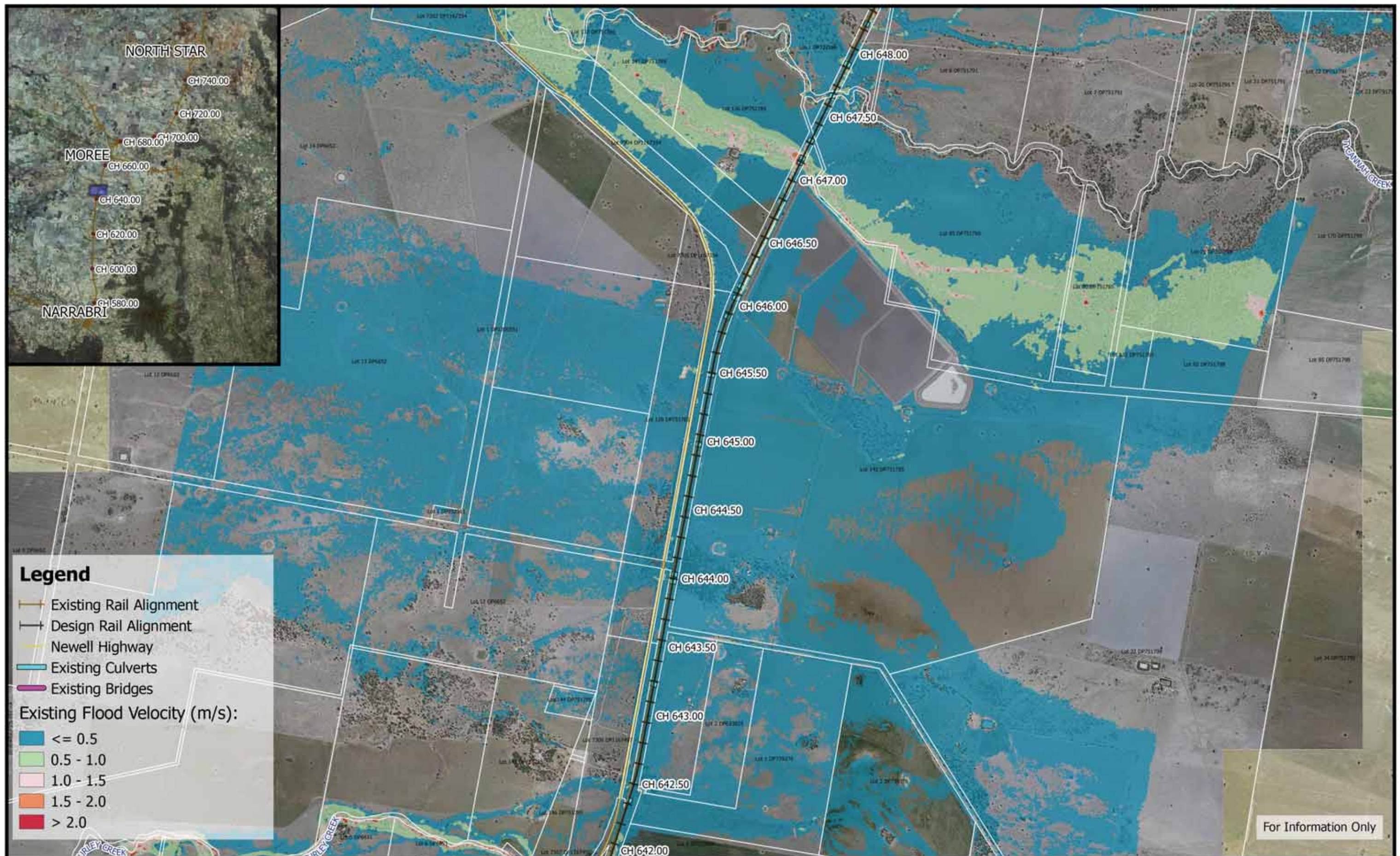






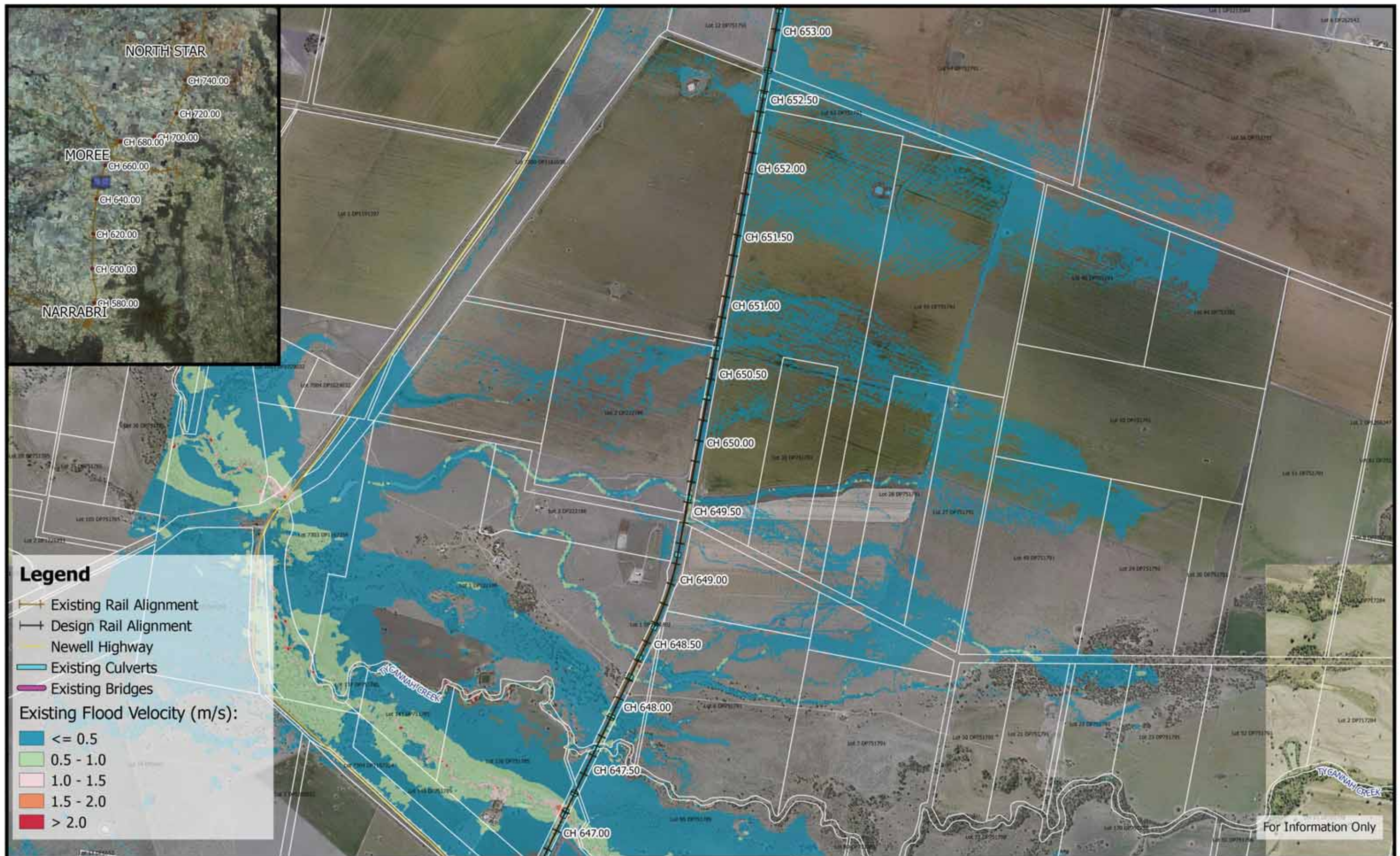




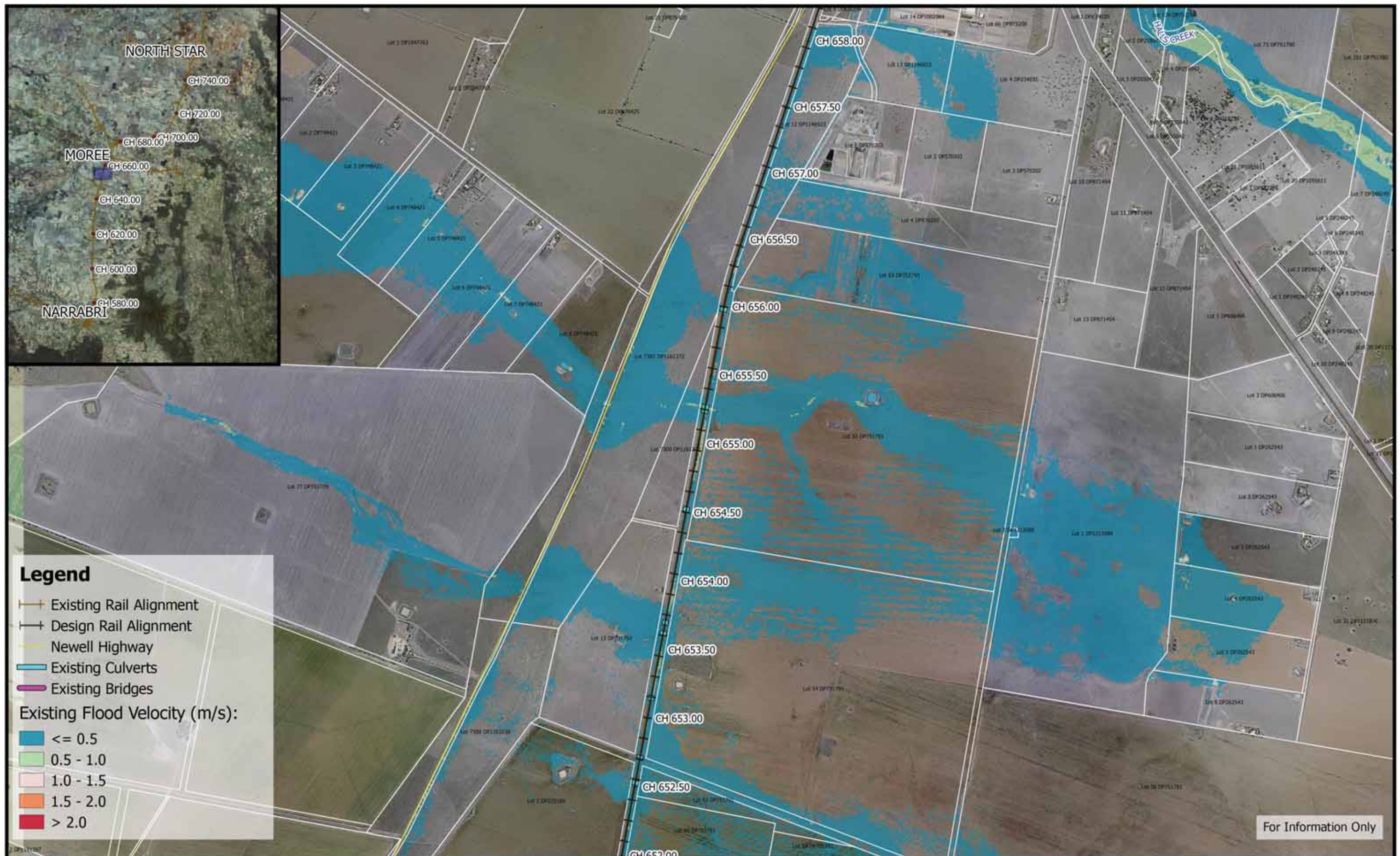


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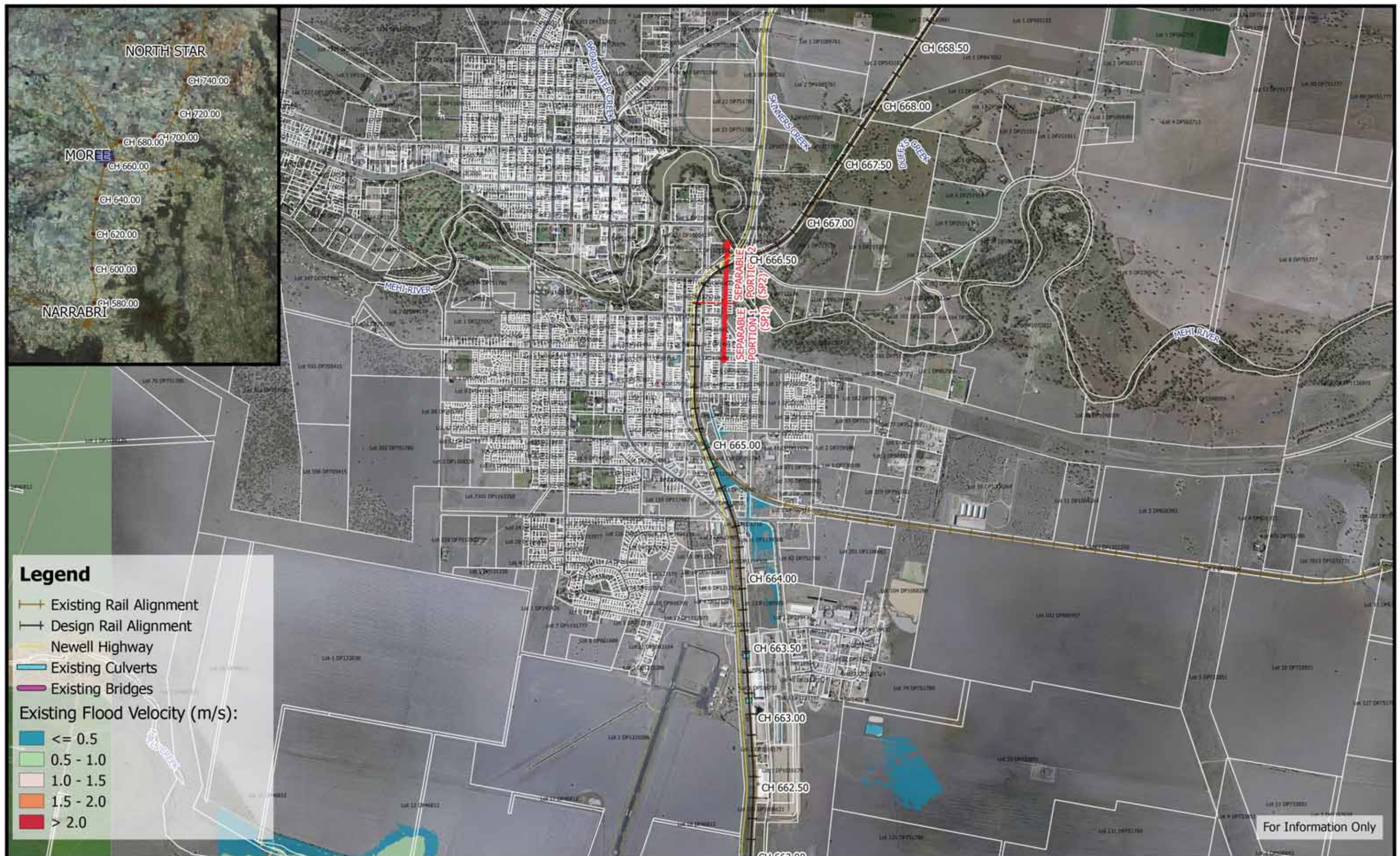






	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 20/5/2019	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure EX39V18</b> 39% AEP Existing Velocity - CH 660.00</p>
			Rev A: For Information Only	
			Prepared By: stephensk	





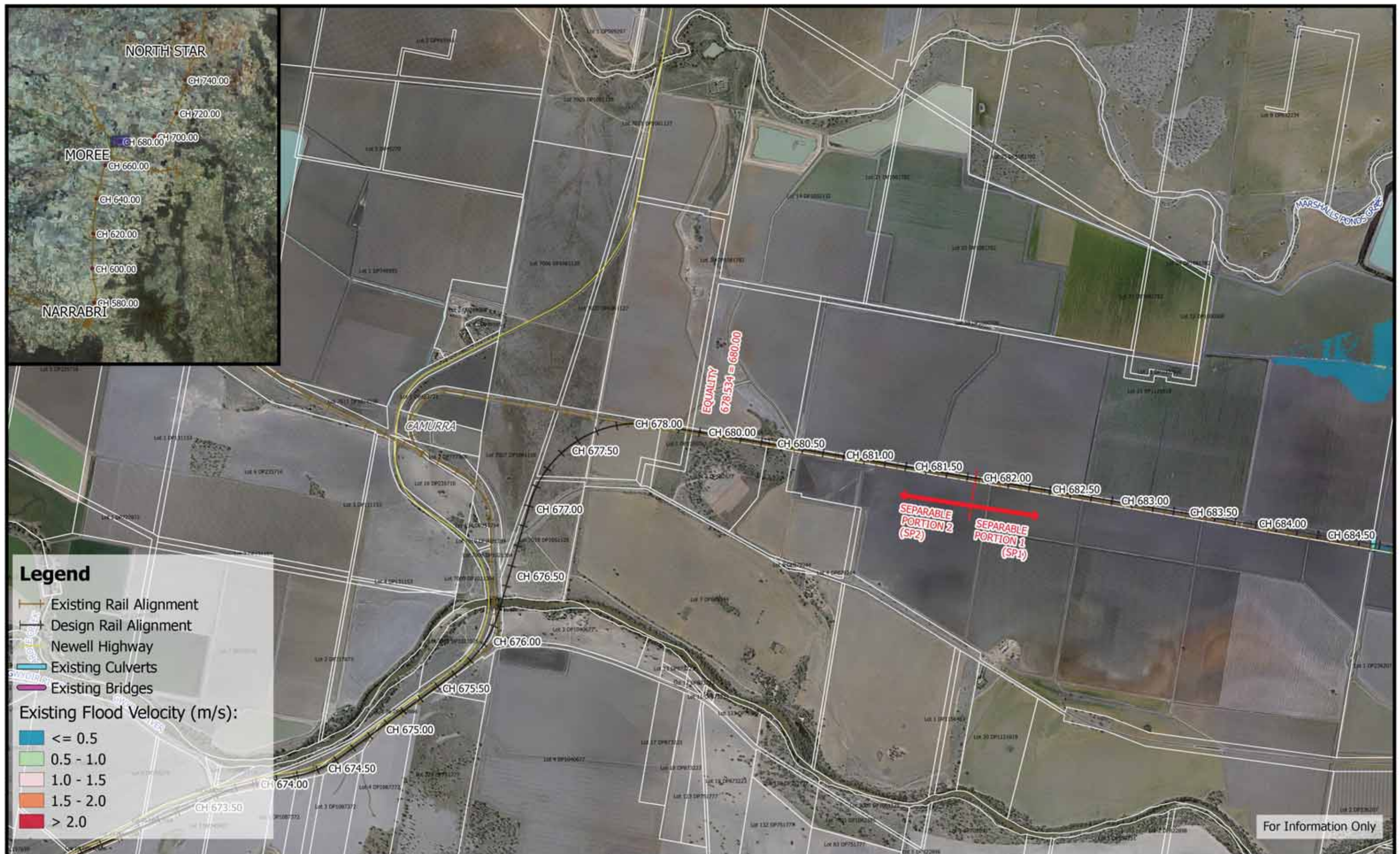




















	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 20/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> <b>IFC - Flood Study for Separable Portion 1</b></p> <p><b>Figure EX39V24</b> <b>39% AEP Existing Velocity - CH 690.00</b></p>
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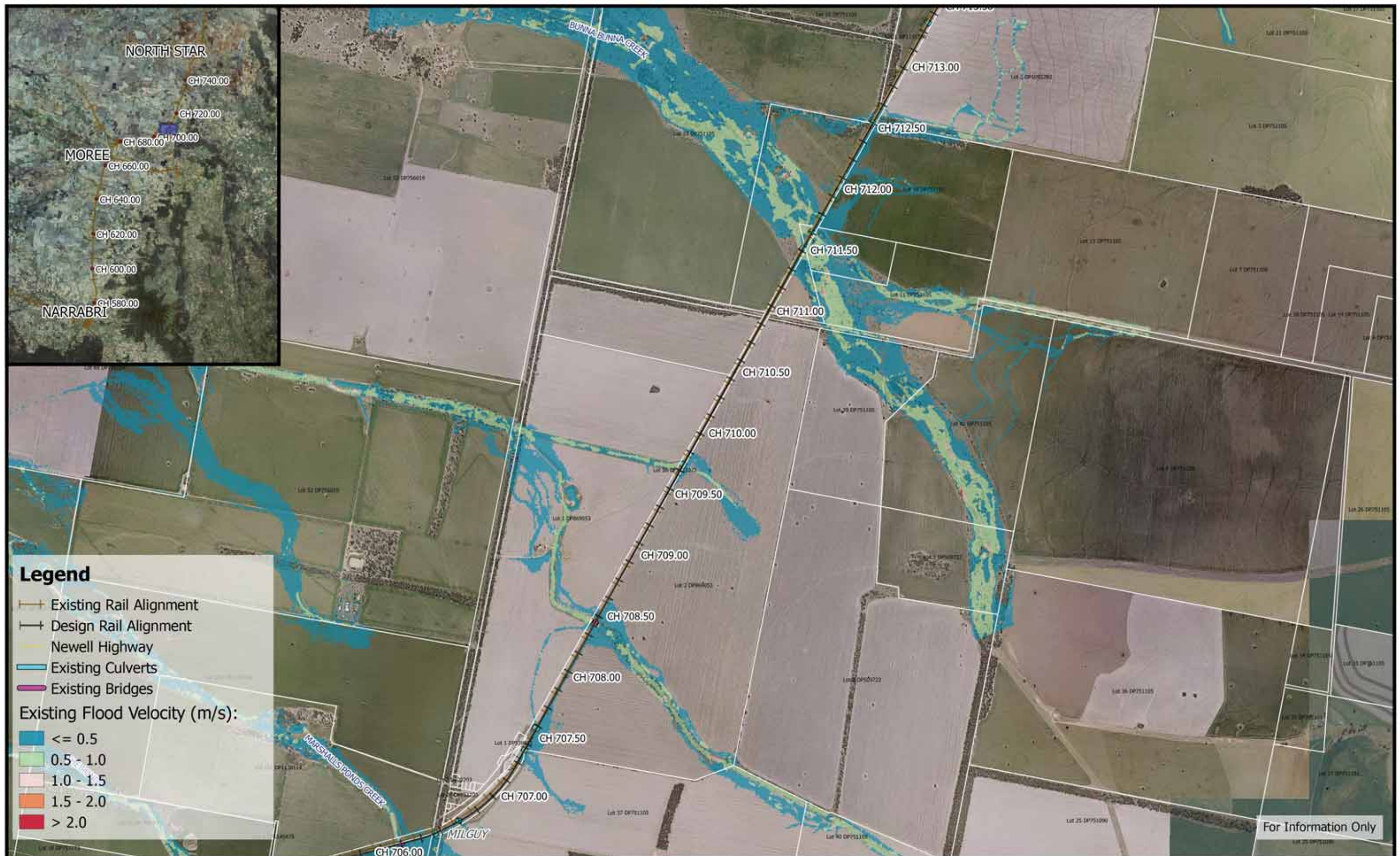




















For Information Only



250 0 250 500 750 1000 m

1:25,000

Coordinate system: GDA94 MGA Zone 55  
Aerial Source: NSW Six Map  
Scale ratio correct when printed at A3



Date: 20/5/2019

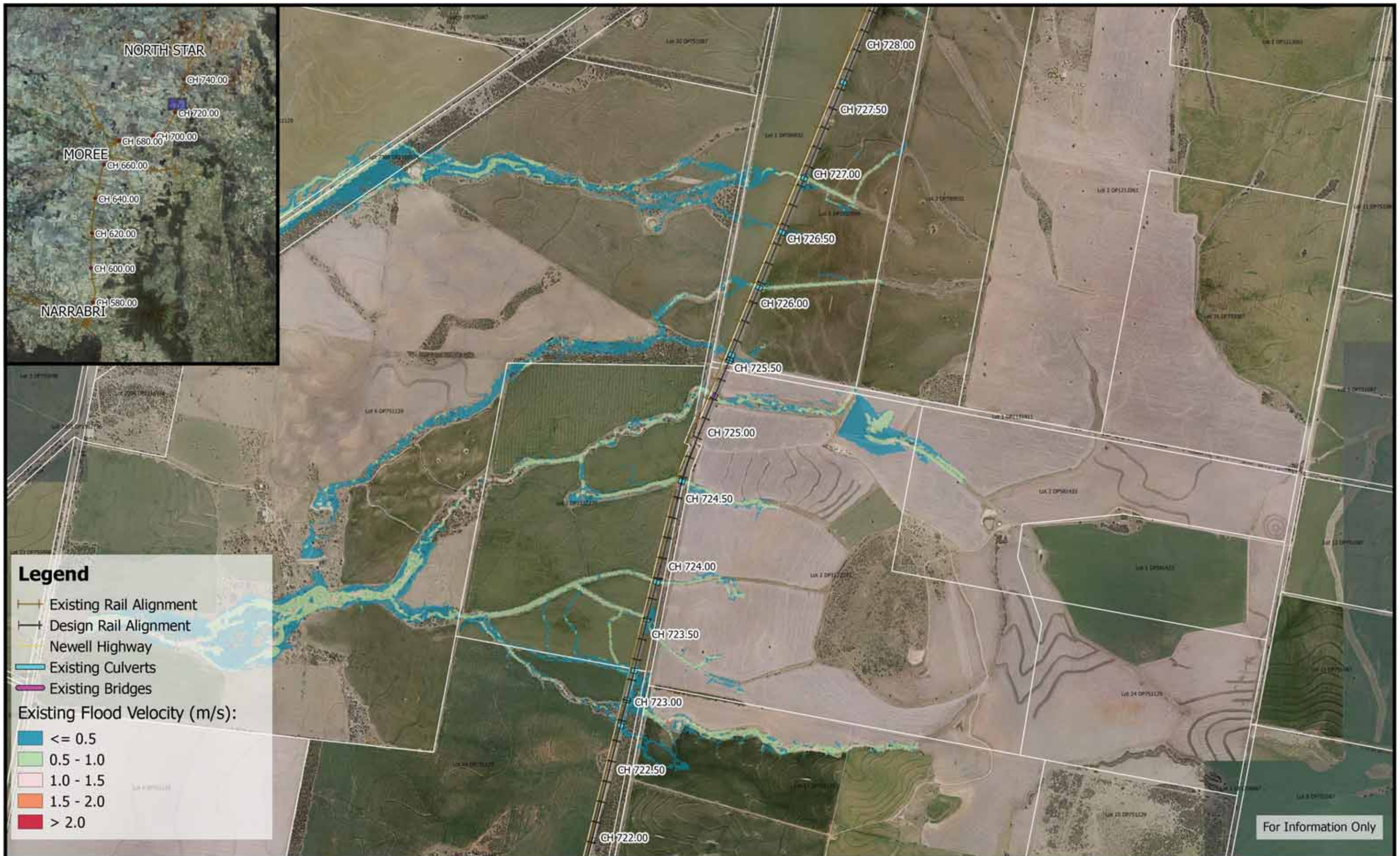
Rev A: For Information Only

Prepared By: stephensk

**Inland Rail - Narrabri to North Star**  
IFC - Flood Study for Separable Portion 1

**Figure EX39V30**  
39% AEP Existing Velocity - CH 720.00

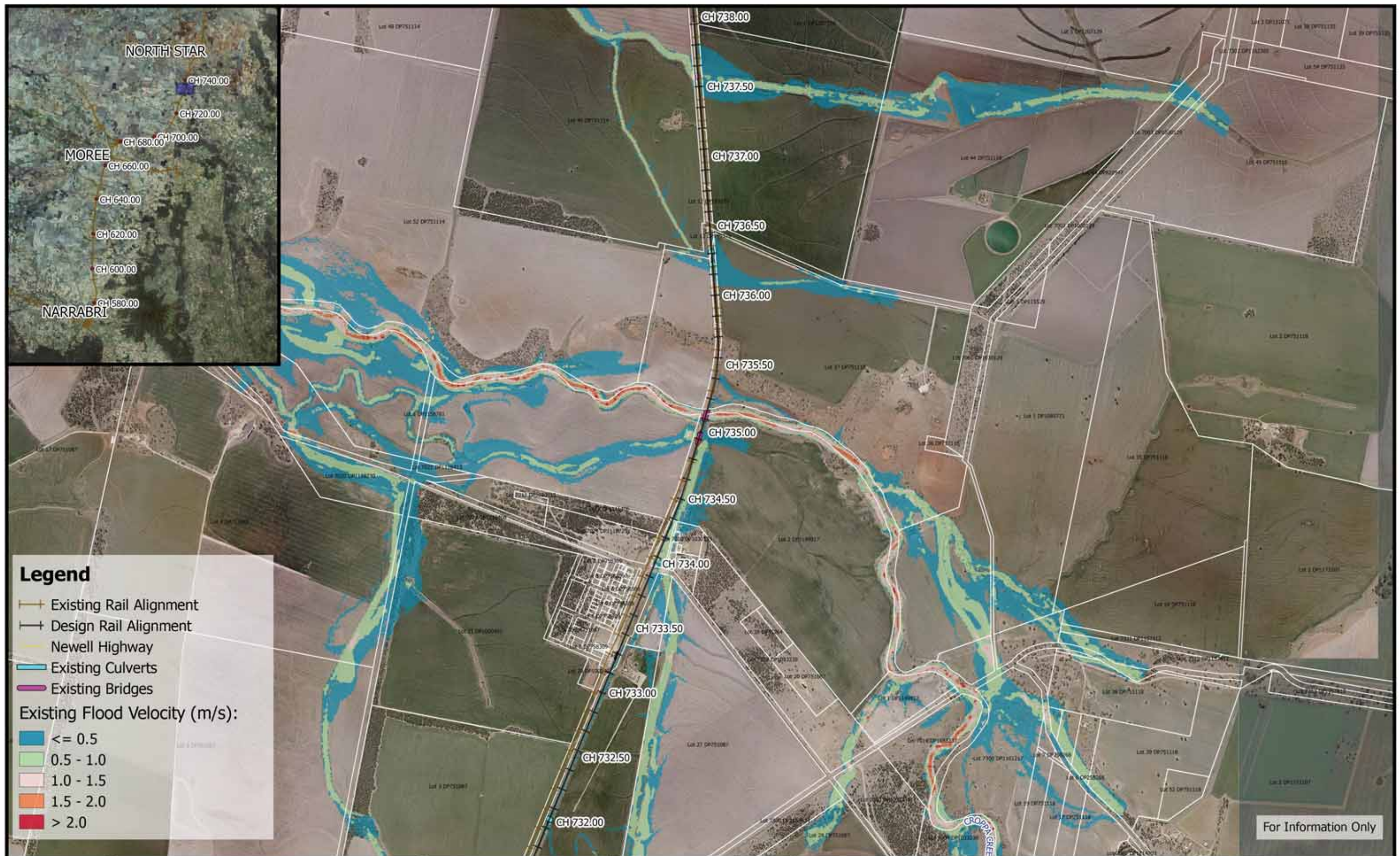








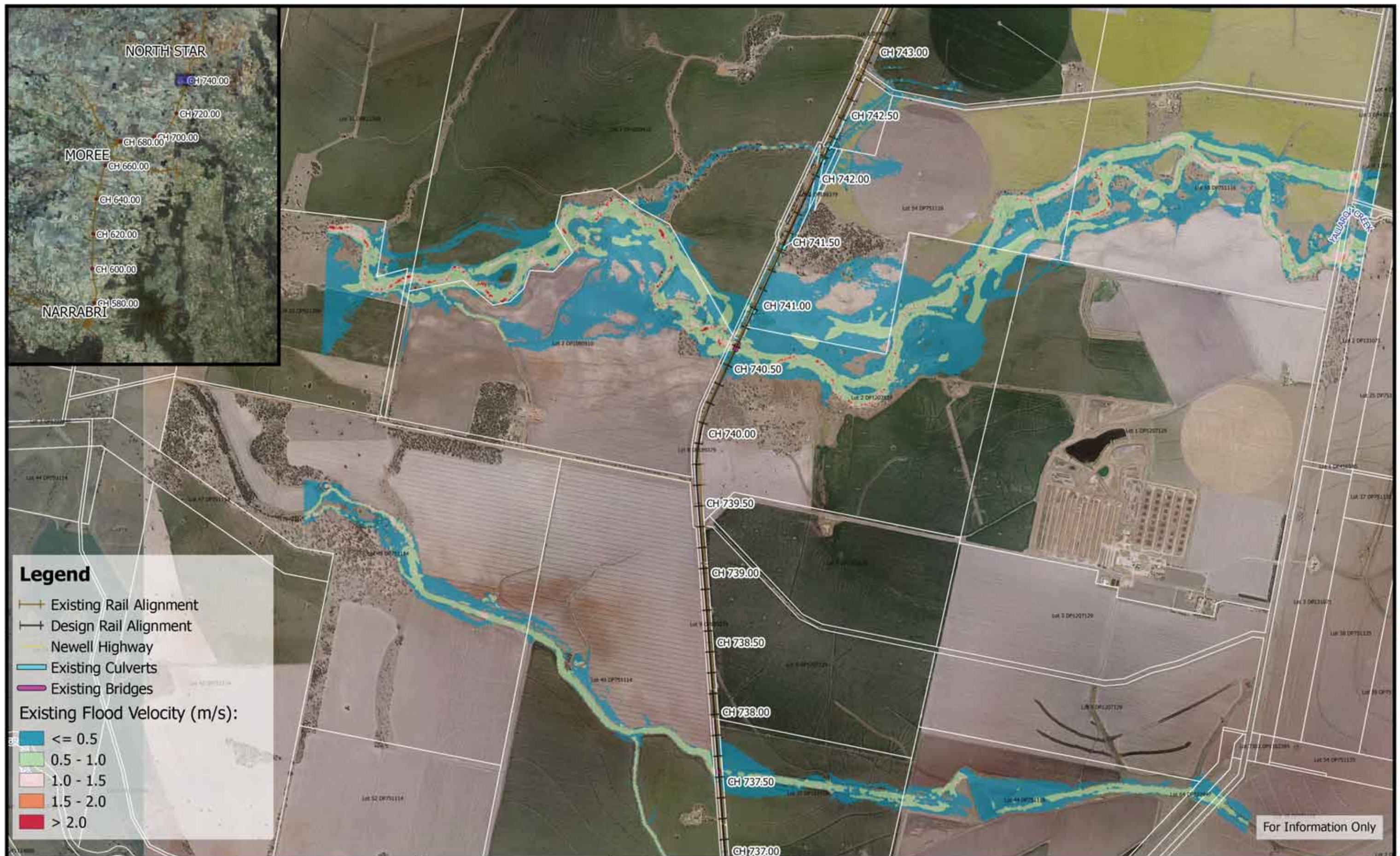




**Inland Rail - Narrabri to North Star**  
IFC - Flood Study for Separable Portion 1

**Figure EX39V33**  
39% AEP Existing Velocity - CH 735.00

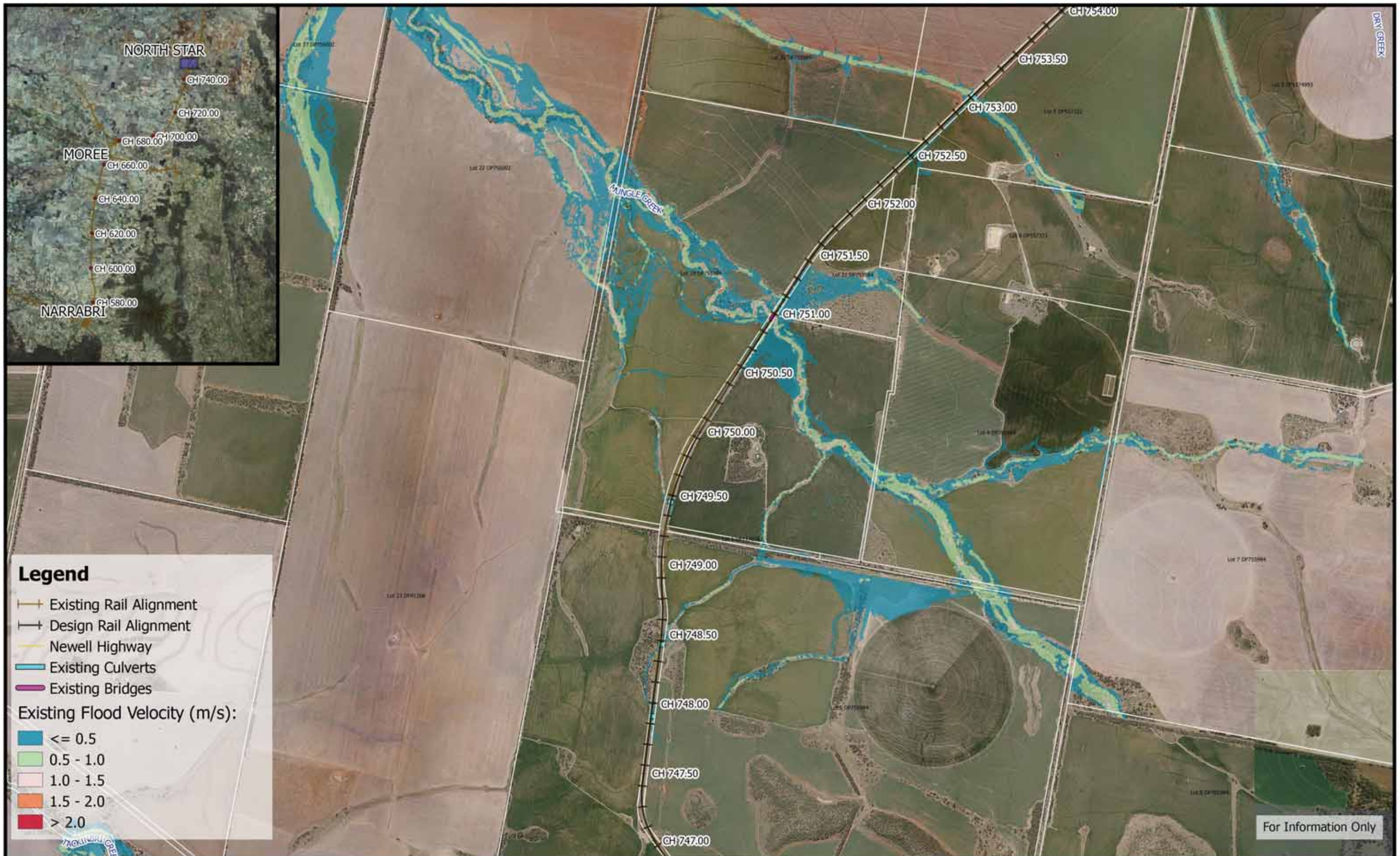








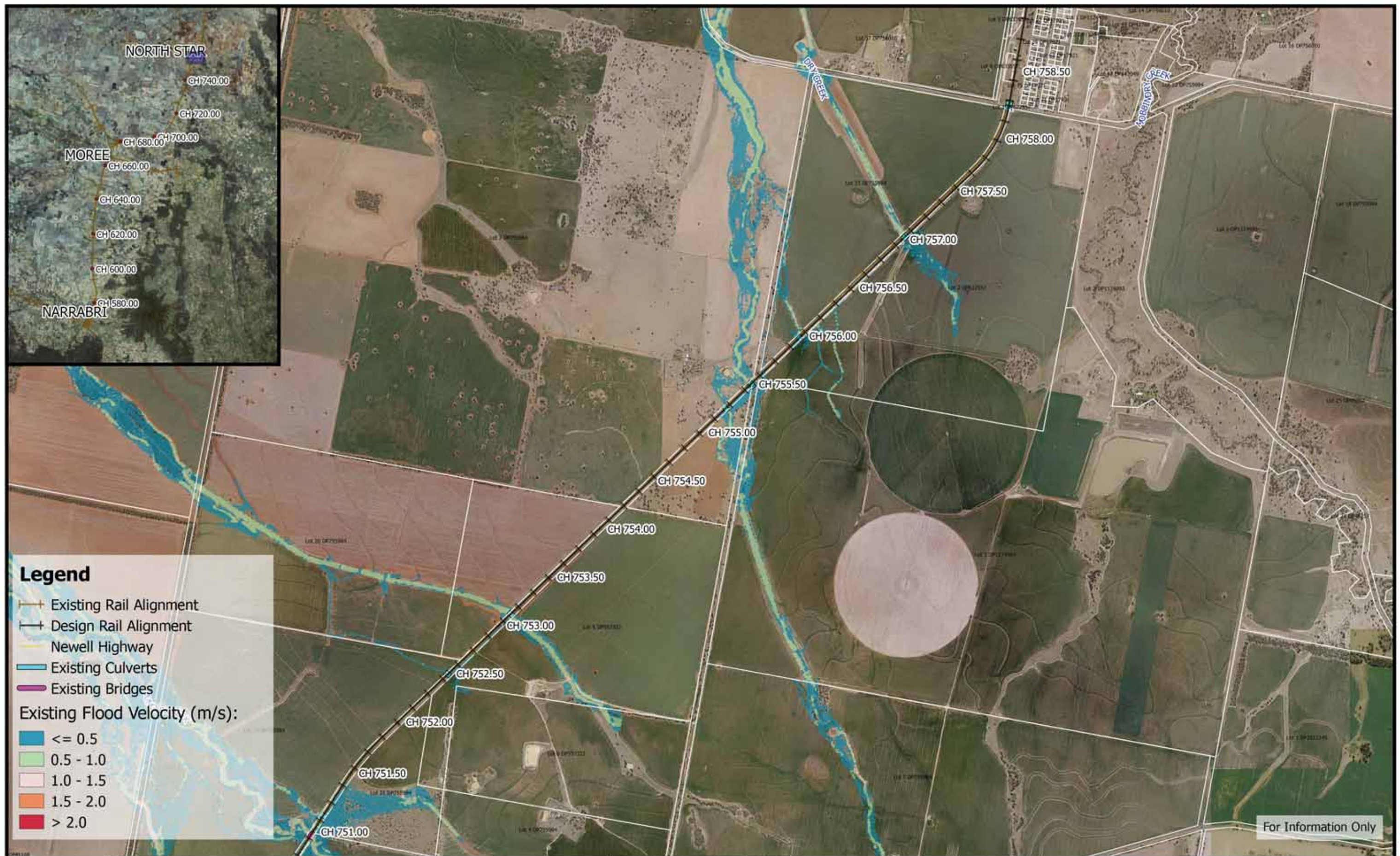






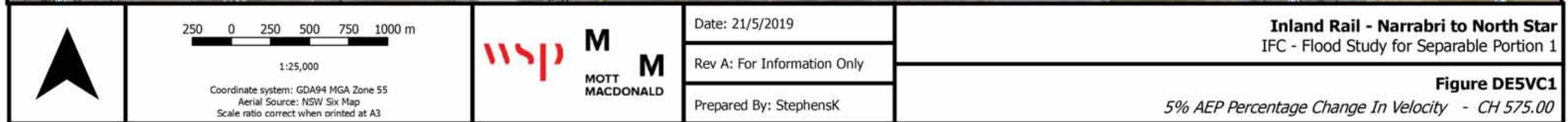
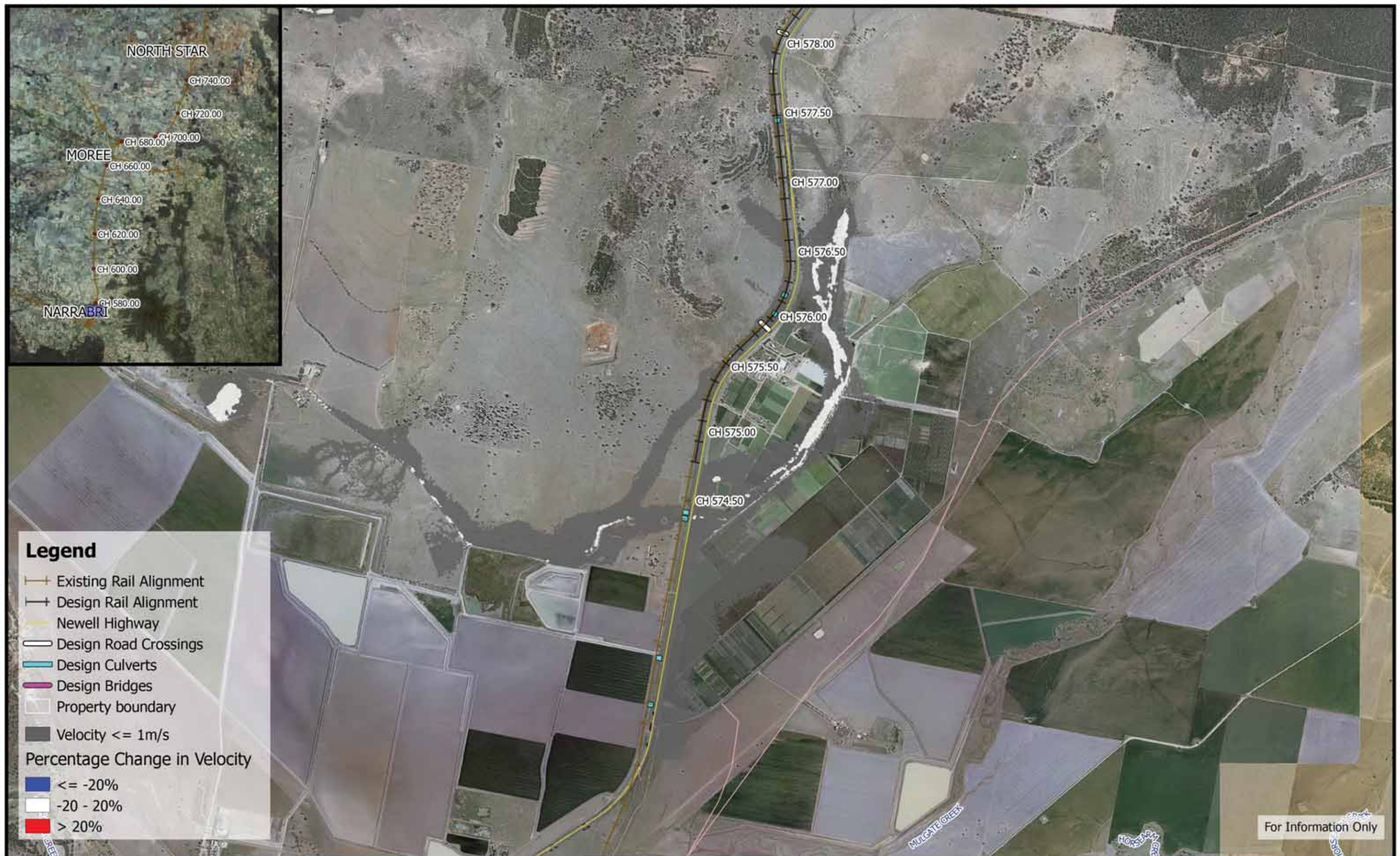
	<div><div><div>25002505007501000 m</div><div>1:25,000</div><div>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</div></div></div>		Date: 20/5/2019	<b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1
			Rev A: For Information Only	
			Prepared By: stephensk	<b>Figure EX39V36</b> <i>39% AEP Existing Velocity - CH 750.00</i>



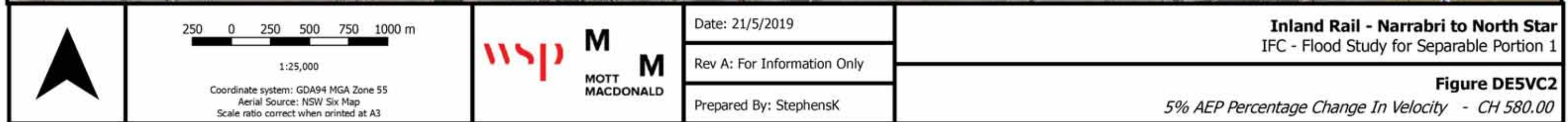


	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 20/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure EX39V37</b> 39% AEP Existing Velocity - CH 755.00</p>
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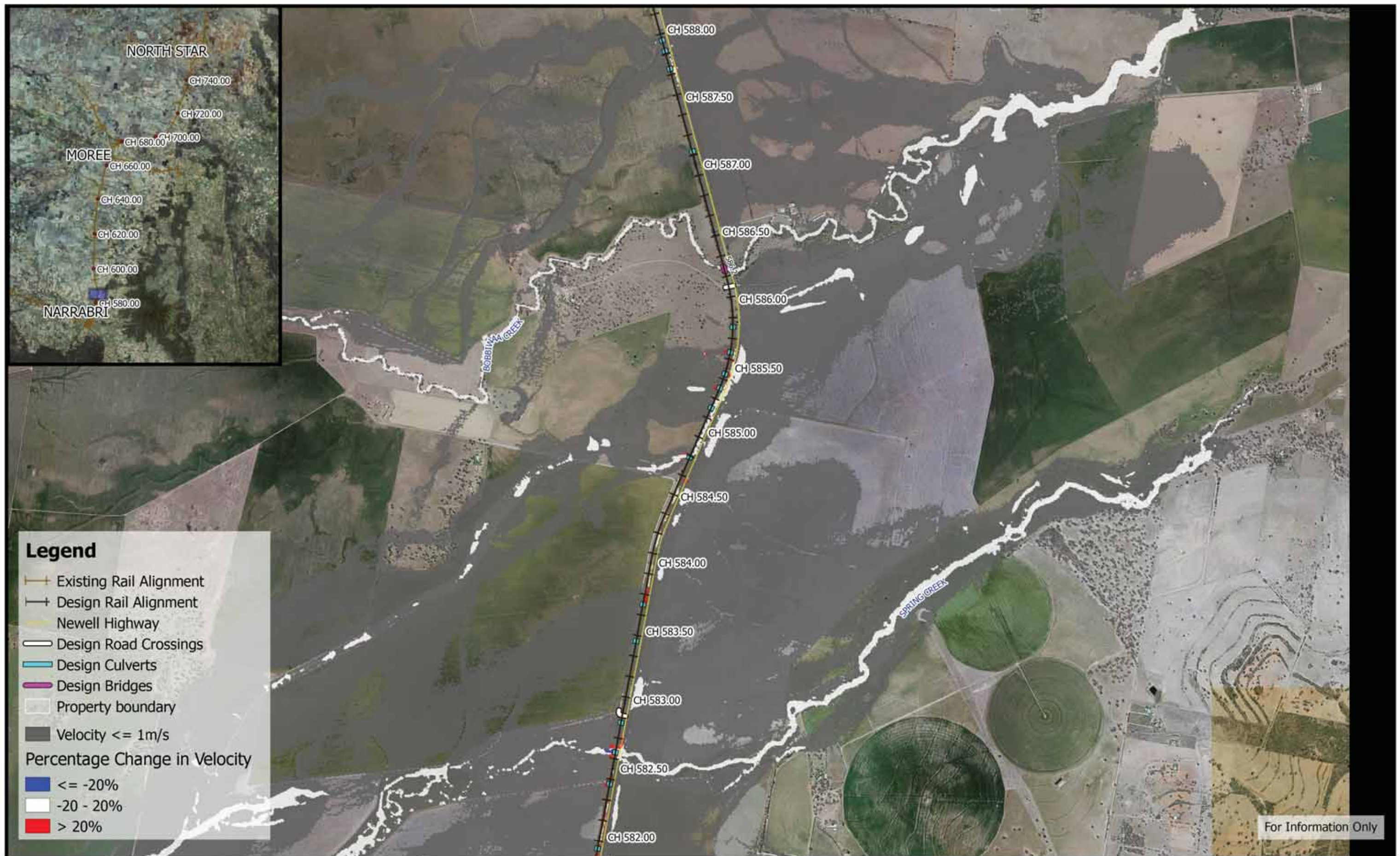






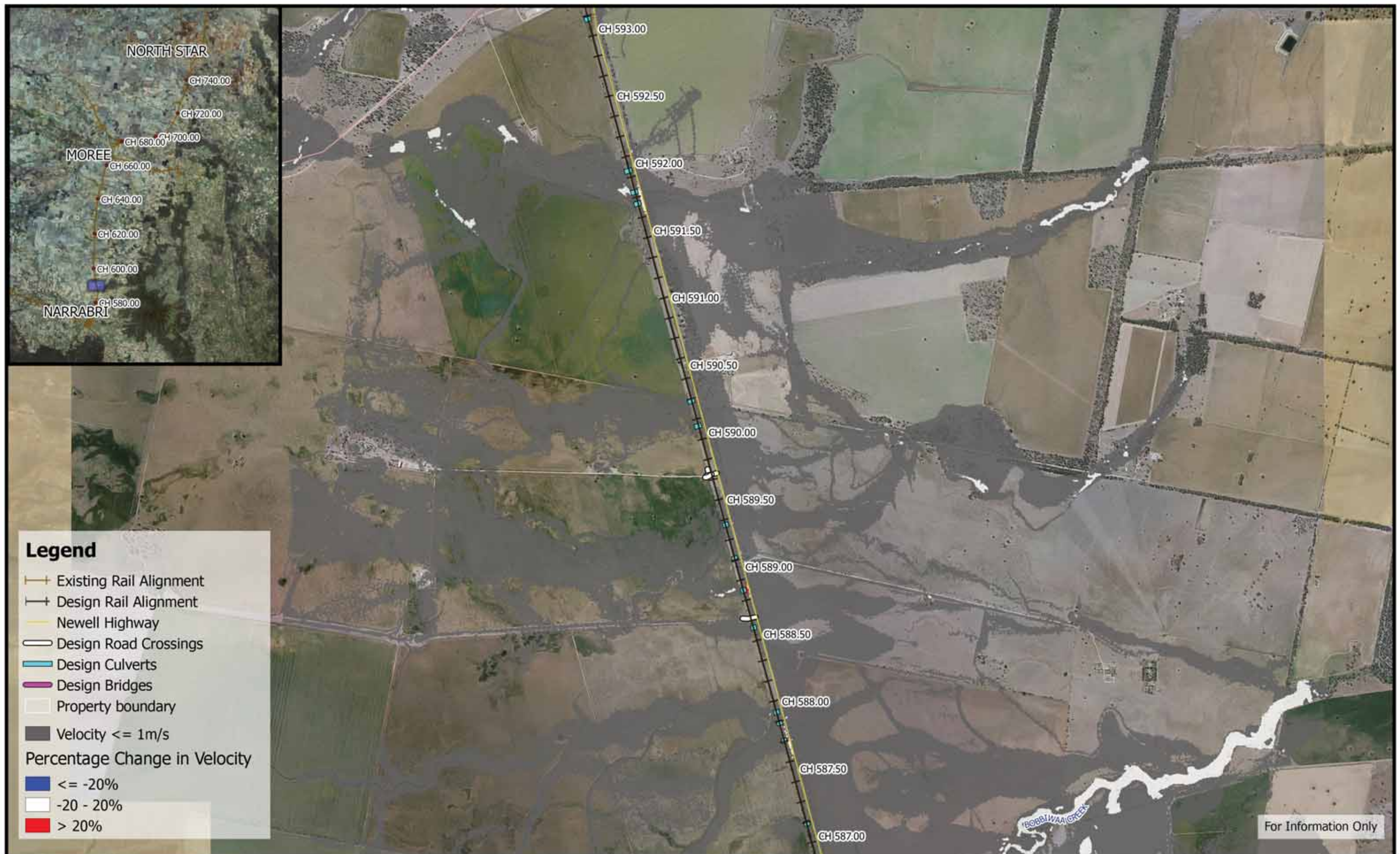






	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT MACDONALD</b></p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC3</b> 5% AEP Percentage Change In Velocity - CH 585.00</p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC4</b> 5% AEP Percentage Change In Velocity - CH 590.00</p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		Date: 21/5/2019	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC8</b> 5% AEP Percentage Change In Velocity - CH 610.00</p>
			Rev A: For Information Only	
			Prepared By: StephensK	





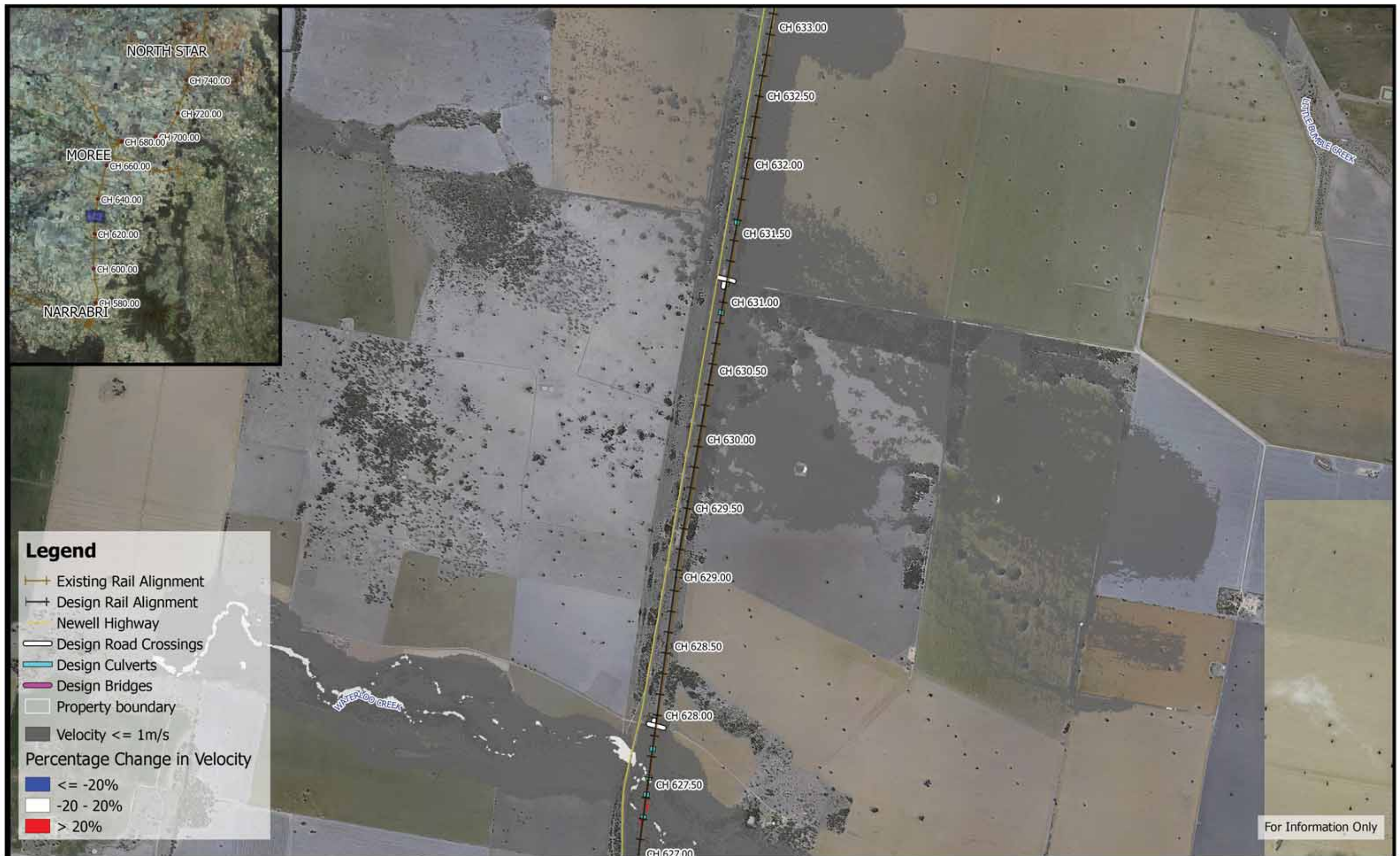










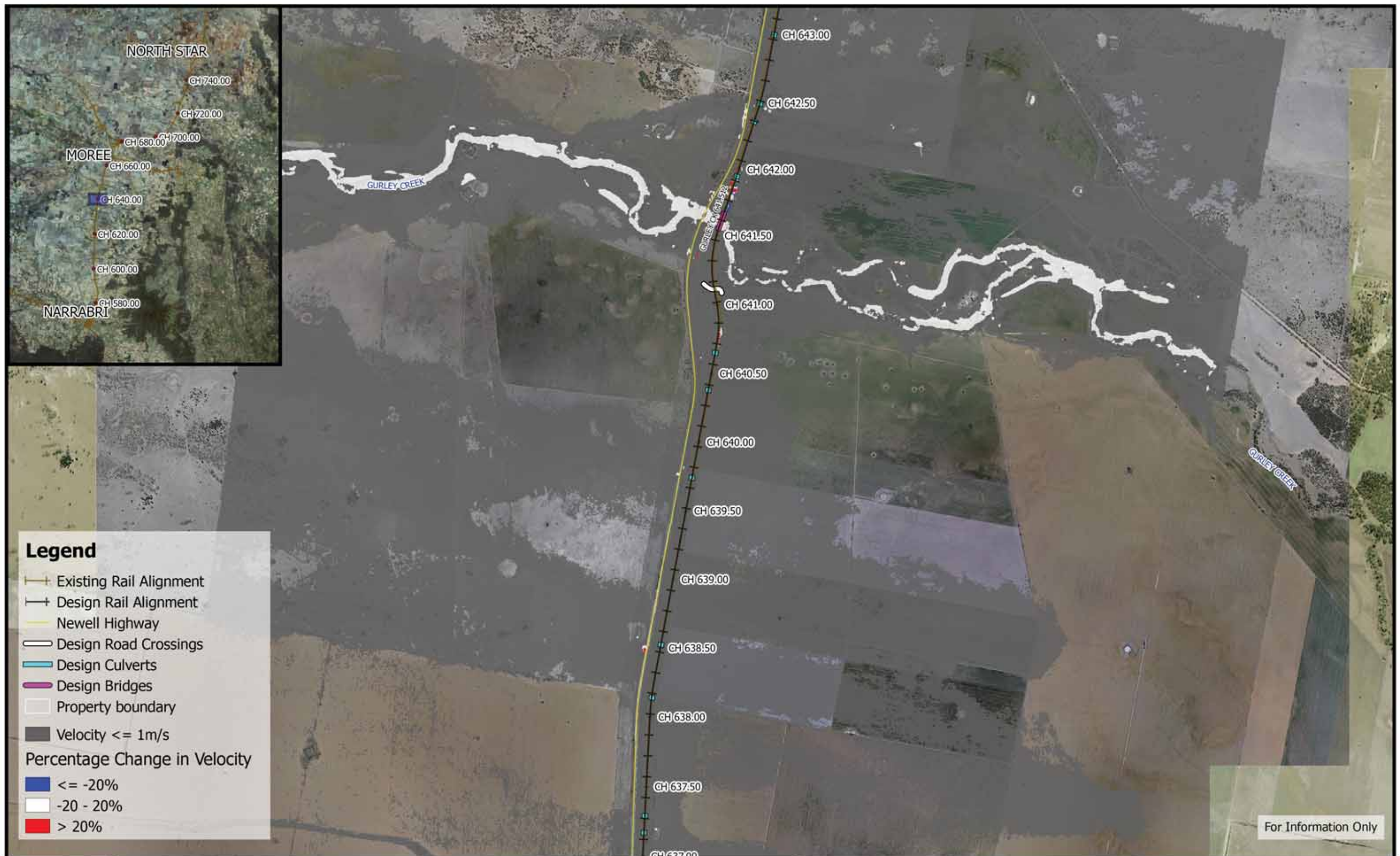






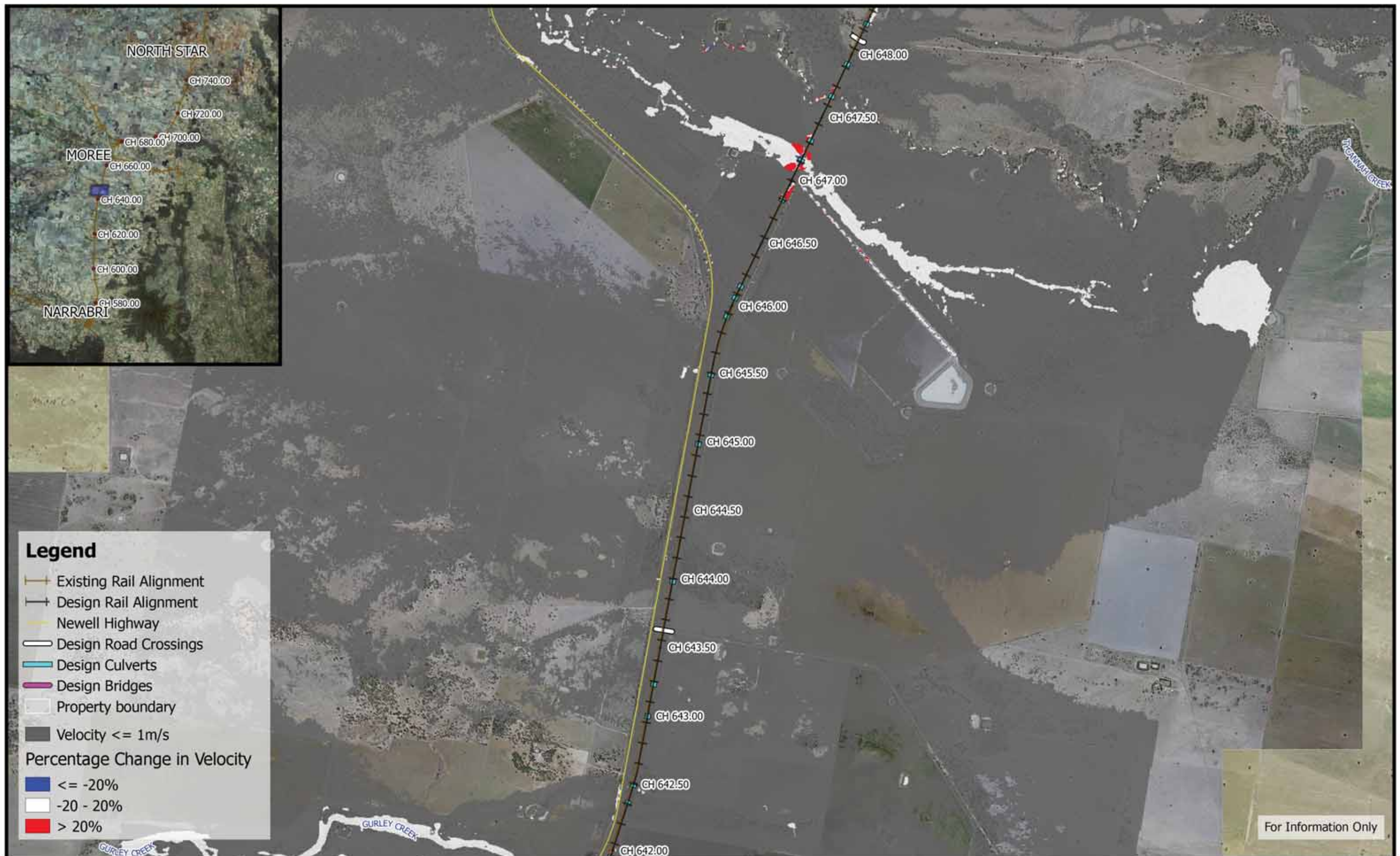
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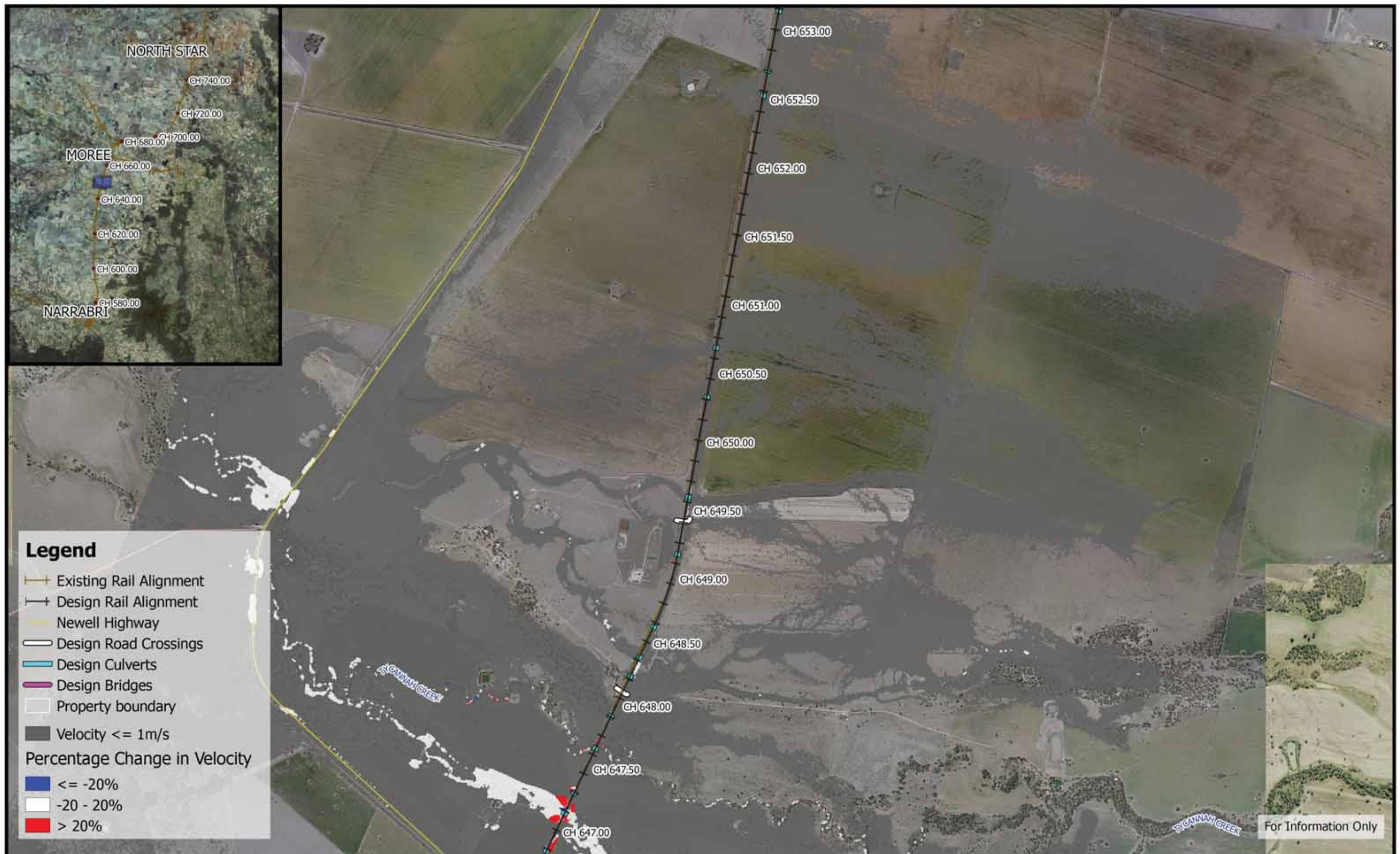
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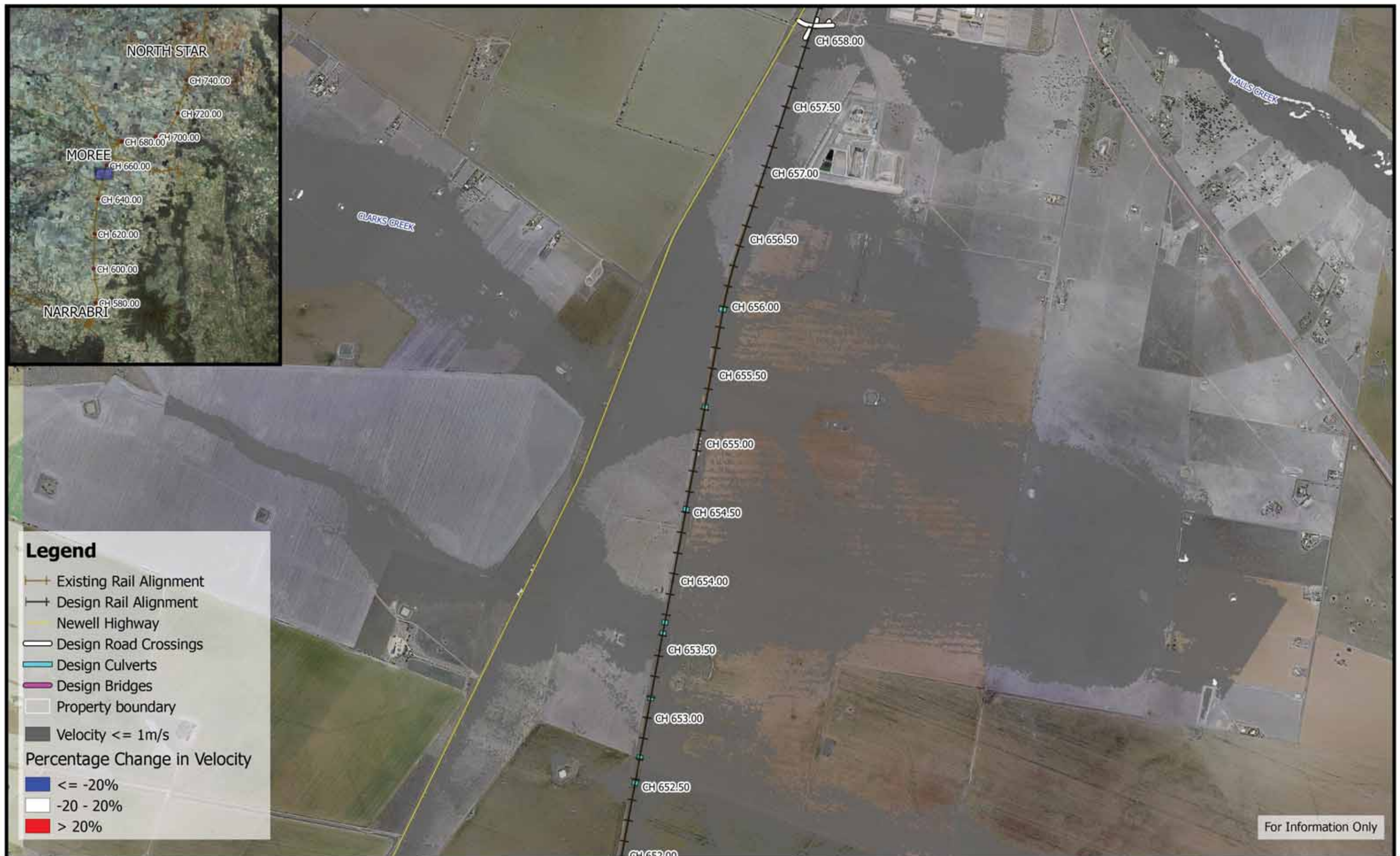


	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC15</b> <i>5% AEP Percentage Change In Velocity - CH 645.00</i></p>
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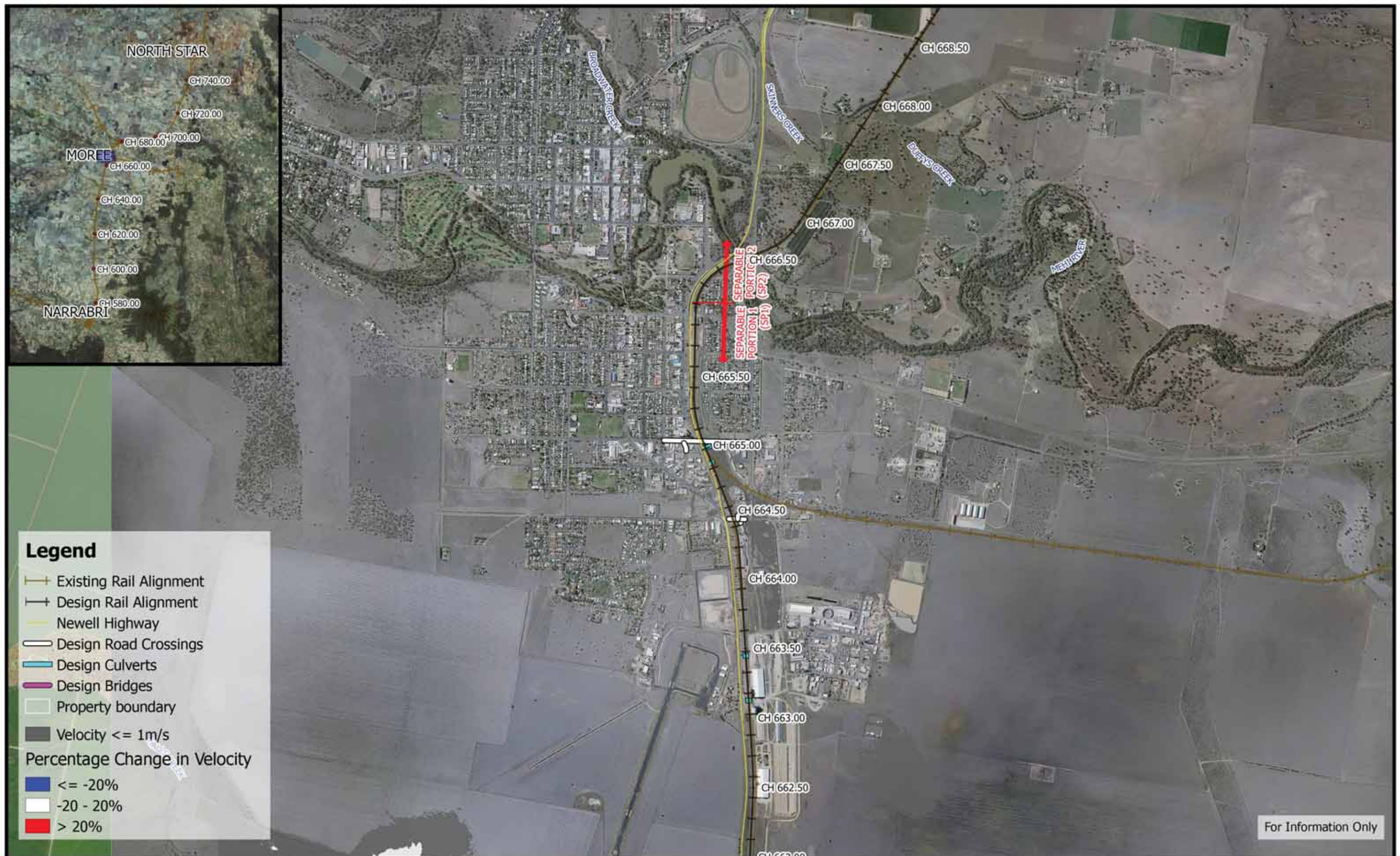
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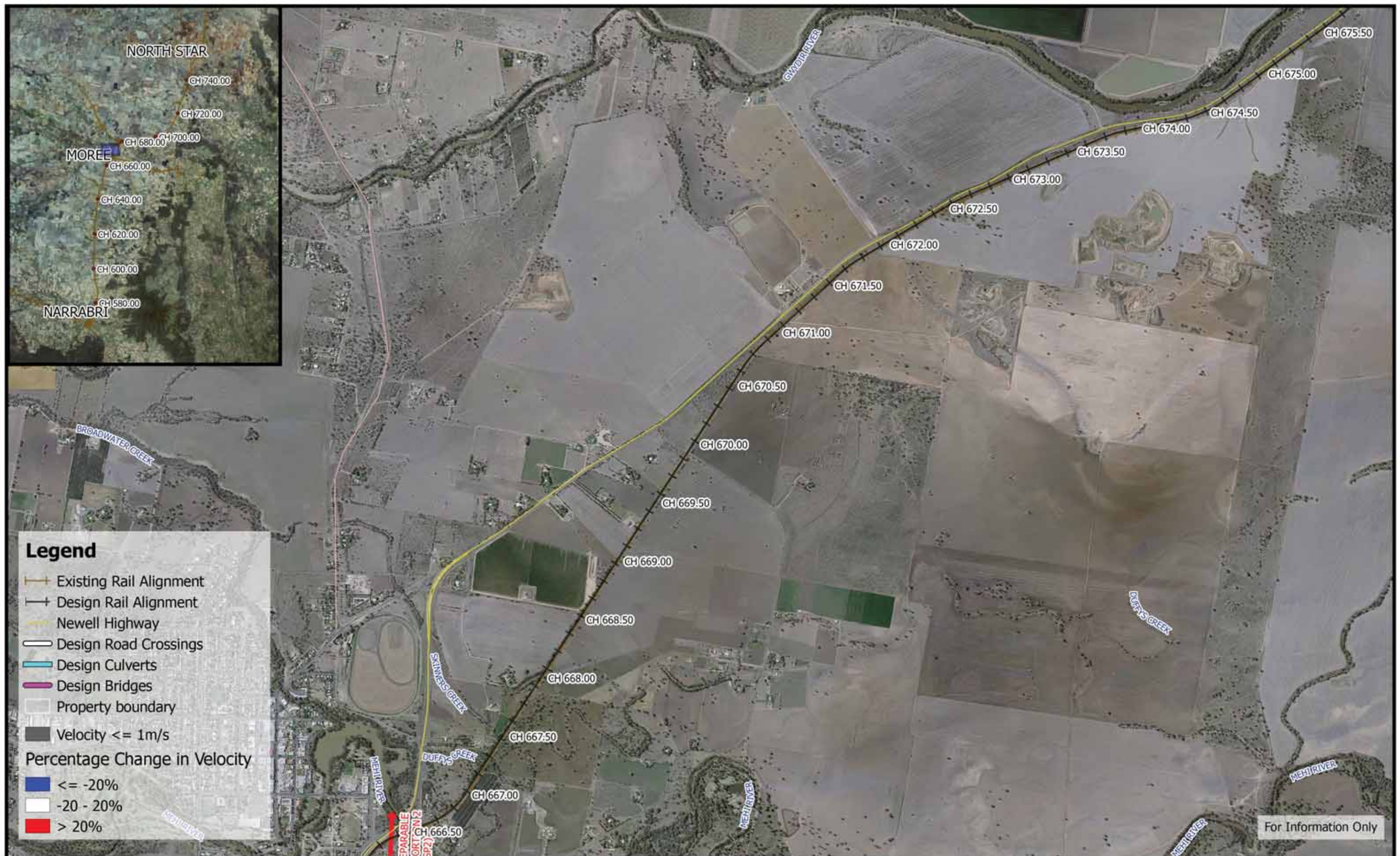
	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC18</b> 5% AEP Percentage Change In Velocity - CH 660.00</p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC19</b> 5% AEP Percentage Change In Velocity - CH 665.00</p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC25</b> 5% AEP Percentage Change In Velocity - CH 695.00</p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC27</b> 5% AEP Percentage Change In Velocity - CH 705.00</p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC28</b> 5% AEP Percentage Change In Velocity - CH 710.00</p>
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	<div><div><div>25002505007501000</div><div>m</div></div><div>1:25,000</div><div>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</div></div>		Date: 21/5/2019	<div>Inland Rail - Narrabri to North Star</div> <div>IFC - Flood Study for Separable Portion 1</div>
			Rev A: For Information Only	<div>Figure DE5VC30</div> <div>5% AEP Percentage Change In Velocity - CH 720.00</div>
			Prepared By: StephensK	





	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC31</b> 5% AEP Percentage Change In Velocity - CH 725.00</p>
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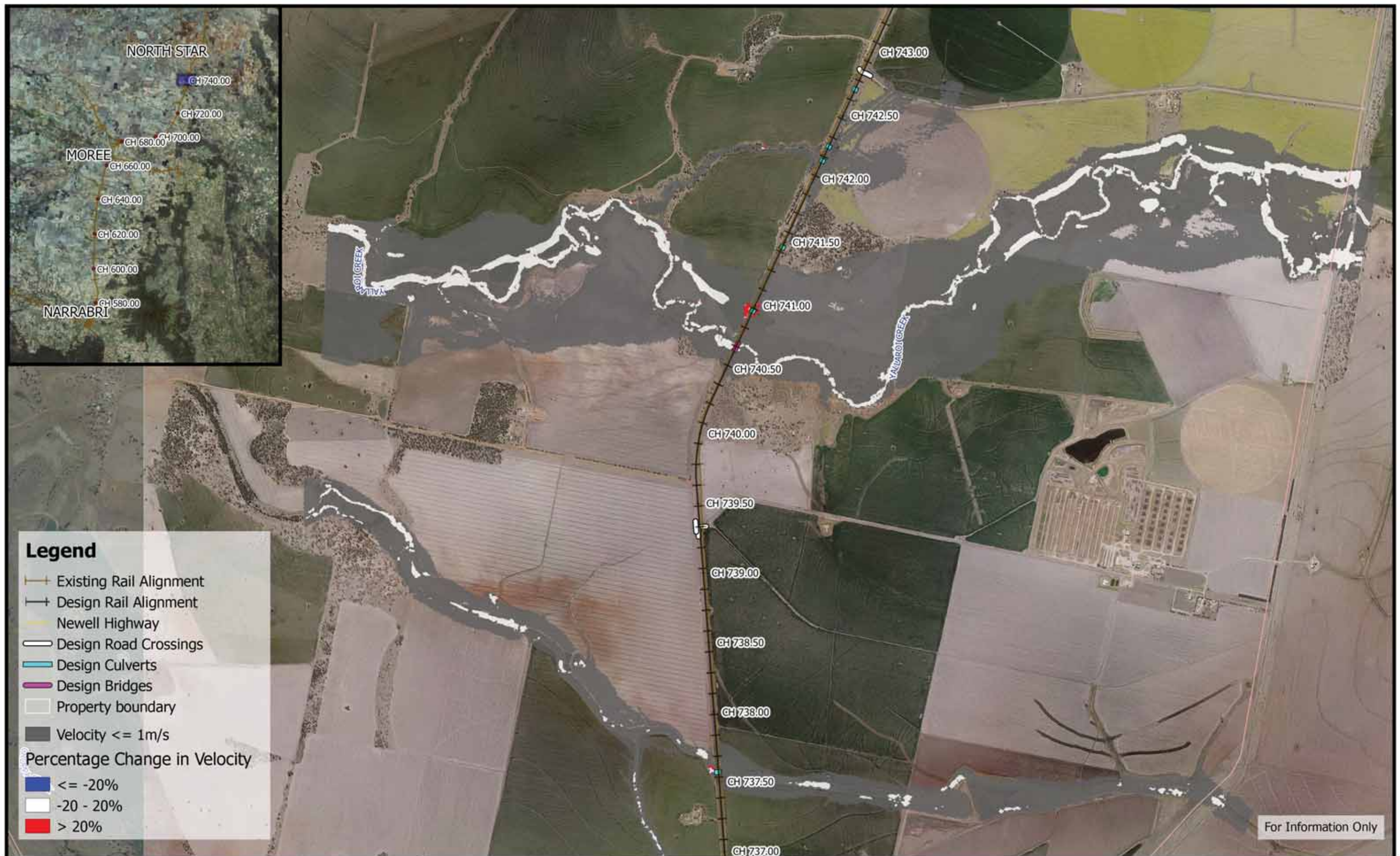






	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC33</b> 5% AEP Percentage Change In Velocity - CH 735.00</p>
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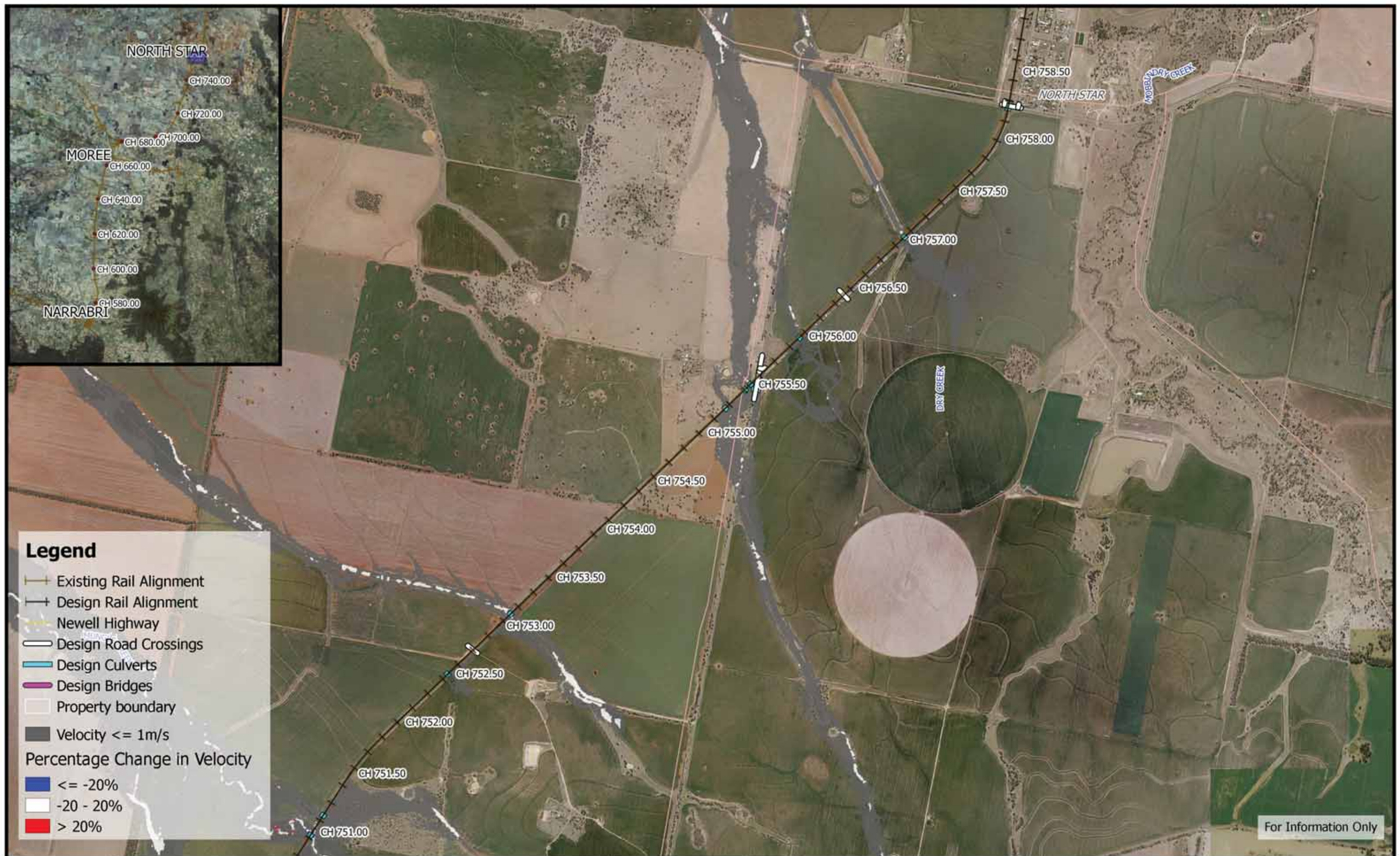
	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC35</b> 5% AEP Percentage Change In Velocity - CH 745.00</p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> <b>IFC - Flood Study for Separable Portion 1</b></p> <p><b>Figure DE5VC36</b> <b>5% AEP Percentage Change In Velocity - CH 750.00</b></p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>M</b> MOTT MACDONALD</p>	<p>Date: 21/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: StephensK</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE5VC37</b> 5% AEP Percentage Change In Velocity - CH 755.00</p>
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