COOTAMUNDRA GUNDAGAI **REGIONAL COUNCIL**



VOLUME 2

LIST OF FIGURES

Figure 1: Locality Map Figure 2: Study Area Figure 3: Digital Elevation Model Figure 4: Gundagai LEP 2011 – Land Use Zones Figure 5: Gundagai 0.2EY Design Flood Depths and Extent Figure 6: Gundagai 10% AEP Design Flood Depths and Extent Figure 7: Gundagai 5% AEP Design Flood Depths and Extent Figure 8: Gundagai 2% AEP Design Flood Depths and Extent Figure 9: Gundagai 1% AEP Design Flood Depths and Extent Figure 10: Gundagai 0.2% AEP Design Flood Depths and Extent Figure 11: Gundagai PMF Design Flood Depths and Extent Figure 12: Hydraulic Categorisation – 5% AEP Event Figure 13: Hydraulic Categorisation - 1% AEP Event Figure 14: Hydraulic Categorisation – 0.2% AEP Event Figure 15: Hydraulic Hazard – 5% AEP Event Figure 16: Hydraulic Hazard – 1% AEP Event Figure 17: Hydraulic Hazard – 0.2% AEP Event Figure 18: First Event Flooded Overfloor Figure 19: Flood Planning Area

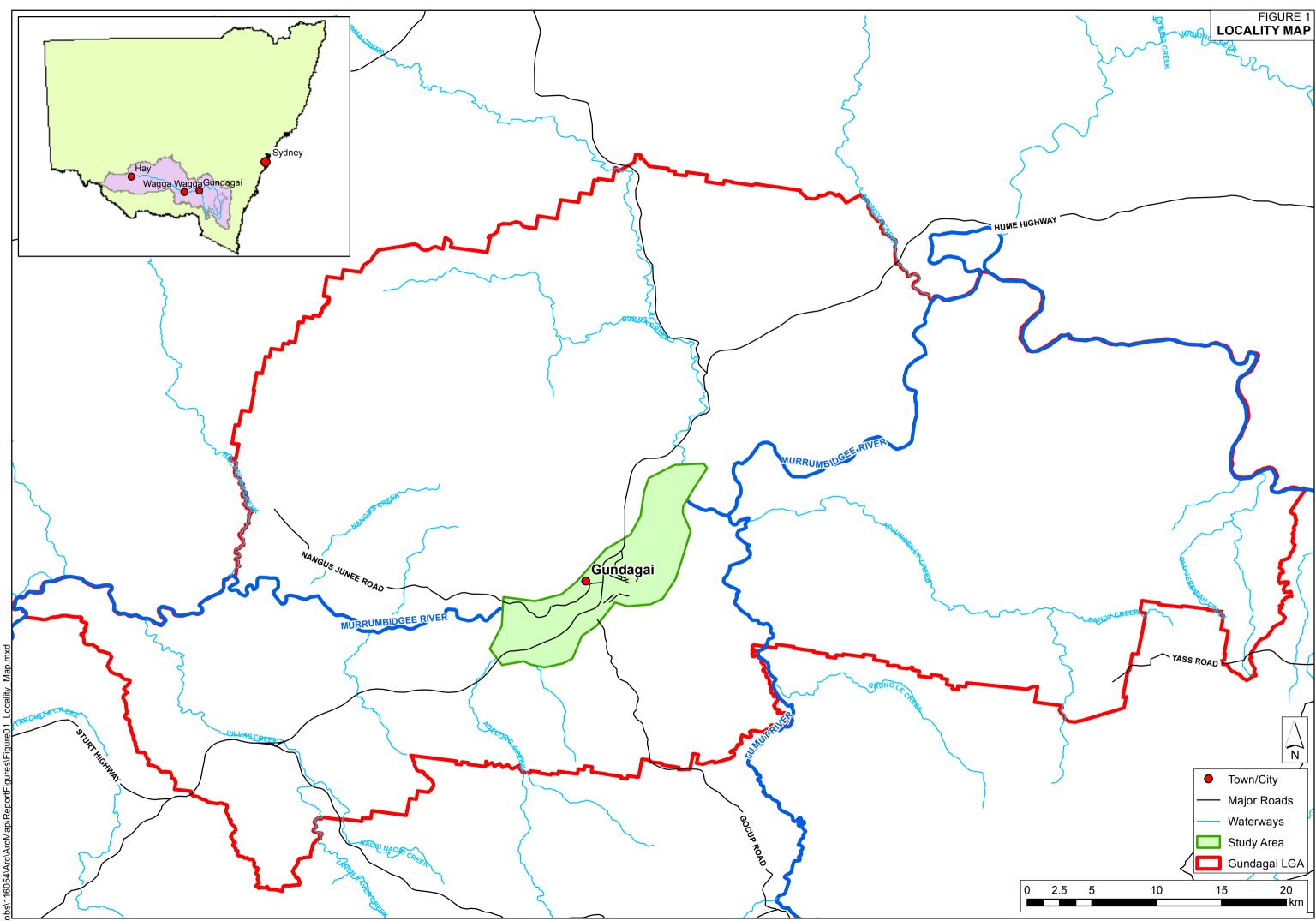


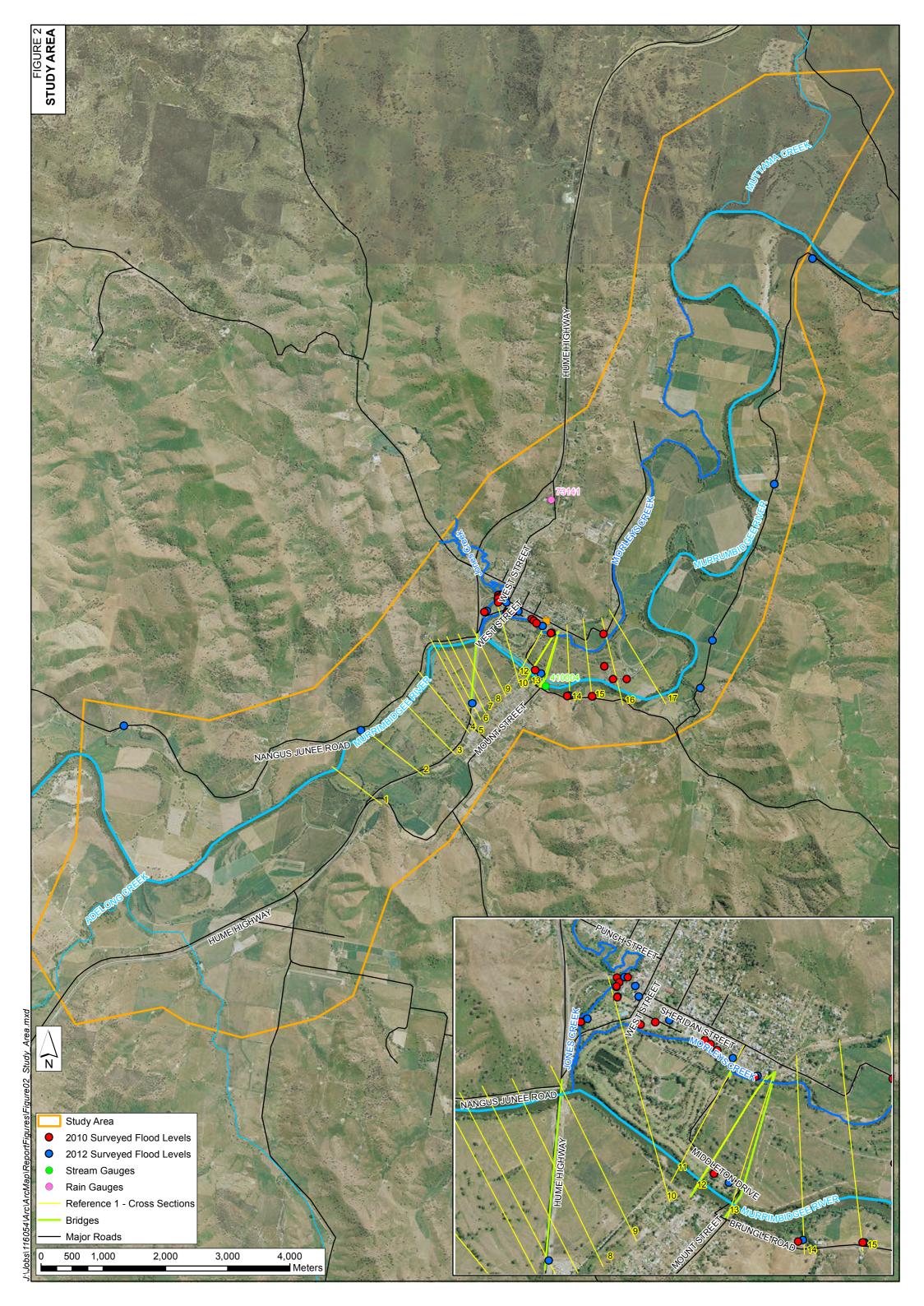
Figure F1: Mitigation Option FM01 – Peak Flood Level Impact 0.2 EY Event Figure F2: Mitigation Option FM01 – Peak Flood Level Impact 1% AEP Event Figure F3: Mitigation Option FM02 – Peak Flood Level Impact 0.2 EY Event Figure F4: Mitigation Option FM02 – Peak Flood Level Impact 1% AEP Event Figure F5: Mitigation Option FM03 – Peak Flood Level Impact 0.2 EY Event Figure F6: Mitigation Option FM04 – Peak Flood Level Impact 5% AEP Event Figure F7: Mitigation Option FM04 – Peak Flood Level Impact 5% AEP Event Figure F8: Mitigation Option FM05 – Peak Flood Level Impact 5% AEP Event Figure F9: Mitigation Option FM05 – Peak Flood Level Impact 1% AEP Event Figure F10A: Mitigation Option FM06 – Murrumbidgee River Peak Flood Level Impact 0.2 EY Event Figure F10B: Mitigation Option FM06 – Jones Creek Peak Flood Level Impact 0.2 EY Event Figure F11A: Mitigation Option FM07 – Murrumbidgee River Peak Flood Level Impact 5% AEP Event Figure F11B: Mitigation Option FM07 – Jones Creek Peak Flood Level Impact 5% AEP Event Figure F12A: Mitigation Option FM07 – Murrumbidgee River Peak Flood Level Impact 1% AEP Event Figure F12B: Mitigation Option FM07 – Jones Creek Peak Flood Level Impact 1% AEP Event Figure F13: Mitigation Option FM08 – Peak Flood Level Impact 5% AEP Event Figure F14: Mitigation Option FM09 – Peak Flood Level Impact 5% AEP Event Figure F15: Mitigation Option FM09 – Peak Flood Level Impact 1% AEP Event

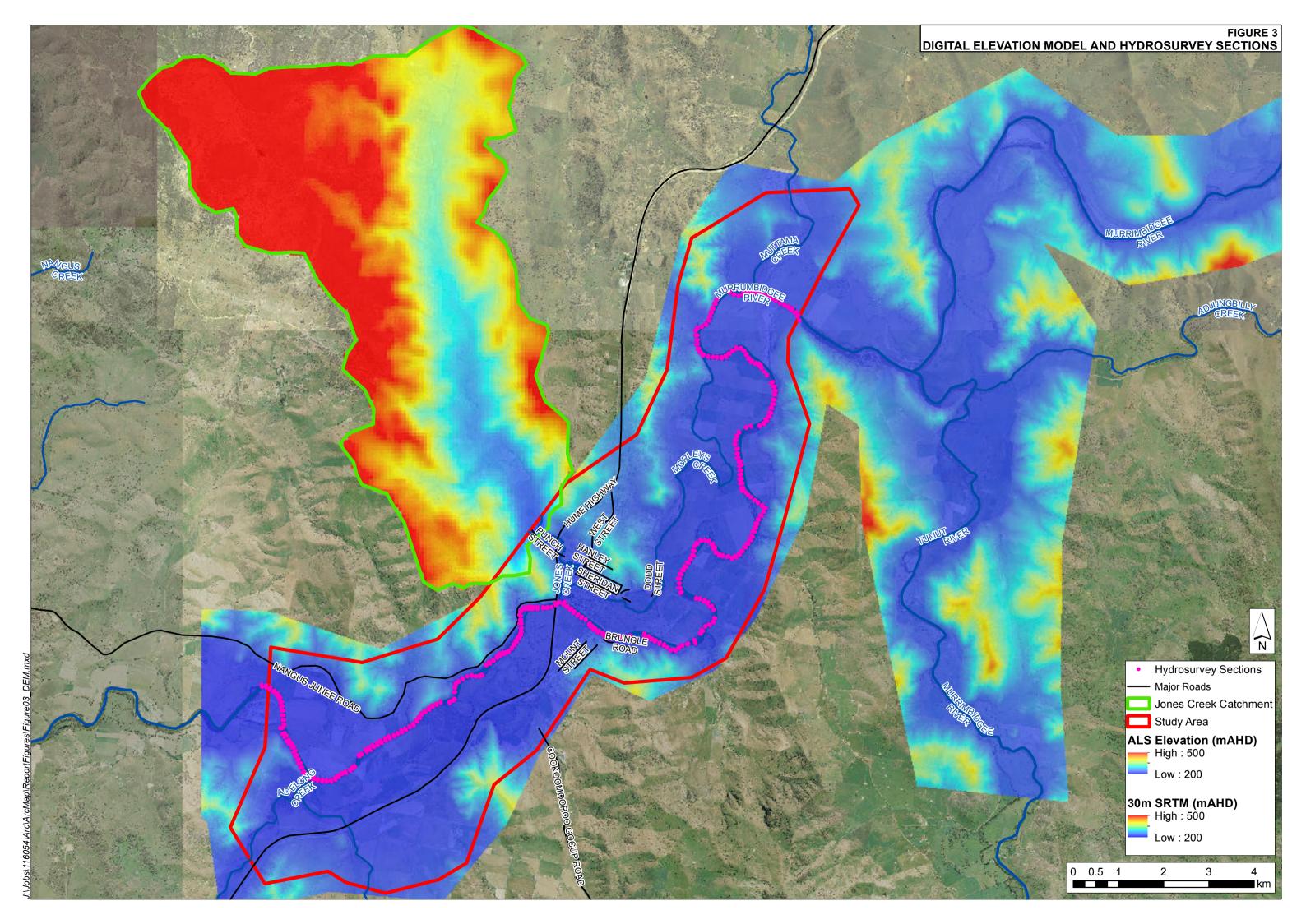


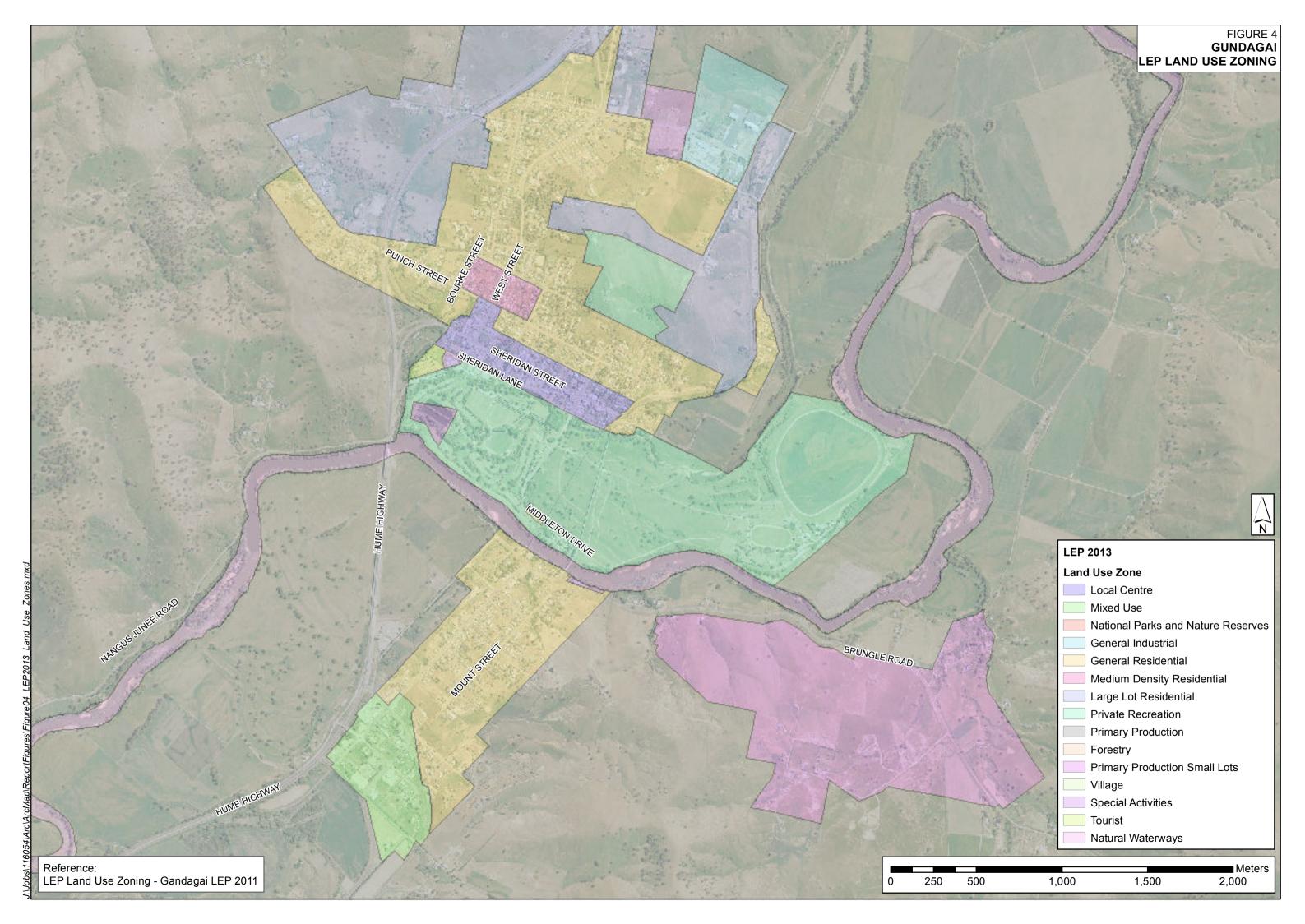


October 2018















0

0.5



SES Notes

NANGUS JUNEE ROAD

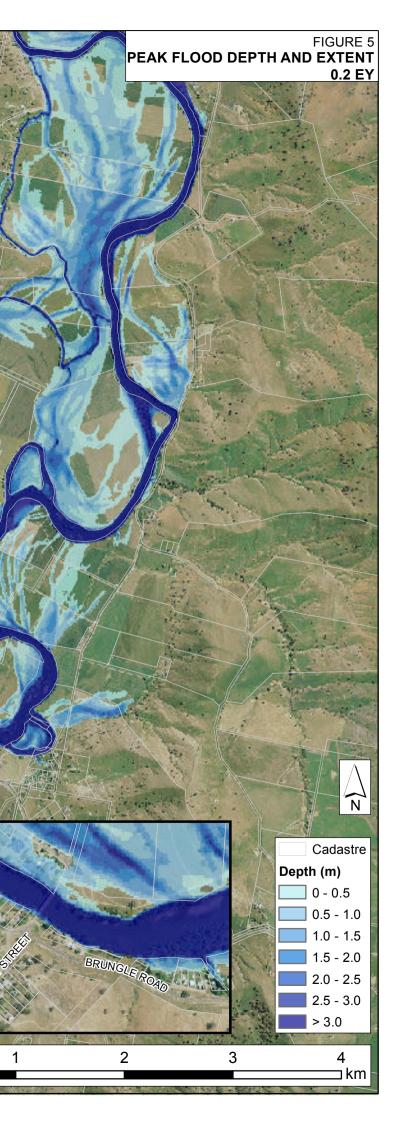
This map displays the peak flood envelope due to Murrumbidgee River and Jones Creek flooding. It is unlikely that these events will occur concurrently. Accordingly, the displayed flood extent is larger than that which would occur for a Murrumbidgee River only flood event of the same magnitude.

100 200

400

600

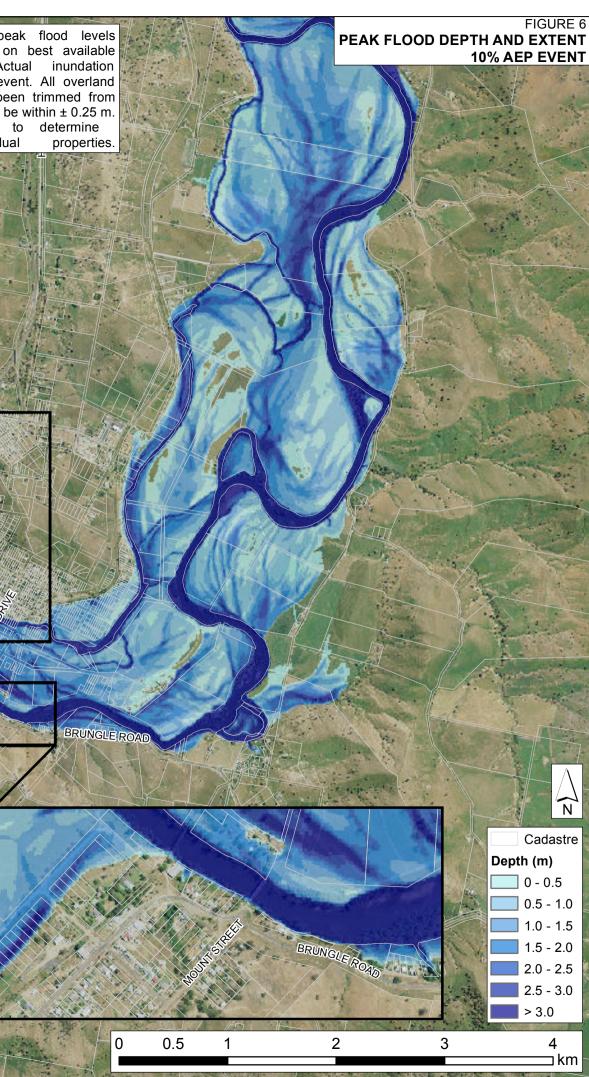
The 0.2 EY is also known as the 1 in 5 year flood event. The Murrumbidgee River peak flow in such an event is 112 GL/day and a peak stage of 9.12 m is achieved on the Gundagai stream gauge.











SES Notes

NANGUS JUNEE ROAD

This map displays the peak flood envelope due to Murrumbidgee River and Jones Creek flooding. It is unlikely that these events will occur concurrently. Accordingly, the displayed flood extent is larger than that which would occur for a Murrumbidgee River only flood event of the same magnitude.

The 10% AEP Event is also known as the 1 in 10 year flood event. The Murrumbidgee River peak flow in such an event is 225 GL/day and a peak stage of 10.08 m is achieved on the Gundagai stream gauge.

100 200

400

600









SES Notes

NANGUS JUNEE ROAD

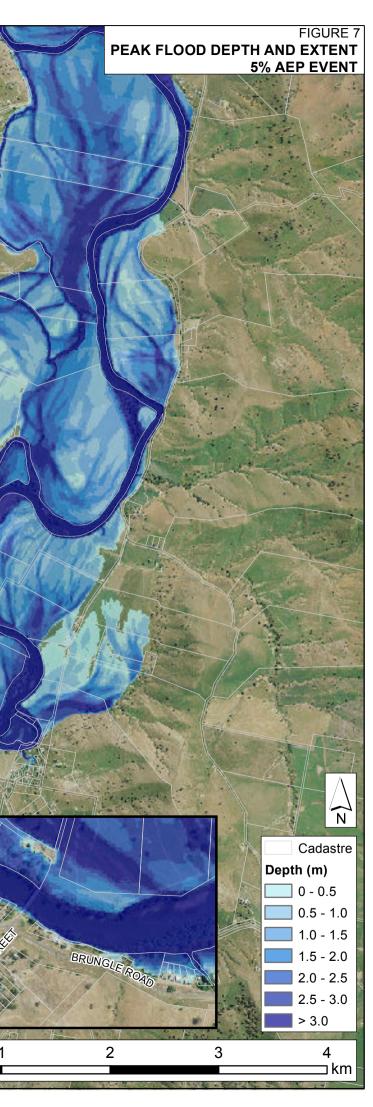
This map displays the peak flood envelope due to Murrumbidgee River and Jones Creek flooding. It is unlikely that these events will occur concurrently. Accordingly, the displayed flood extent is larger than that which would occur for a Murrumbidgee River only flood event of the same magnitude.

100 200

400

600

The 5% AEP Event is also known as the 1 in 20 year flood event. The Murrumbidgee River peak flow in such an event is 328 GL/day and a peak stage of 10.8 m is achieved on the Gundagai stream gauge.









0

0.5

SES Notes

NANGUS JUNEE ROAD

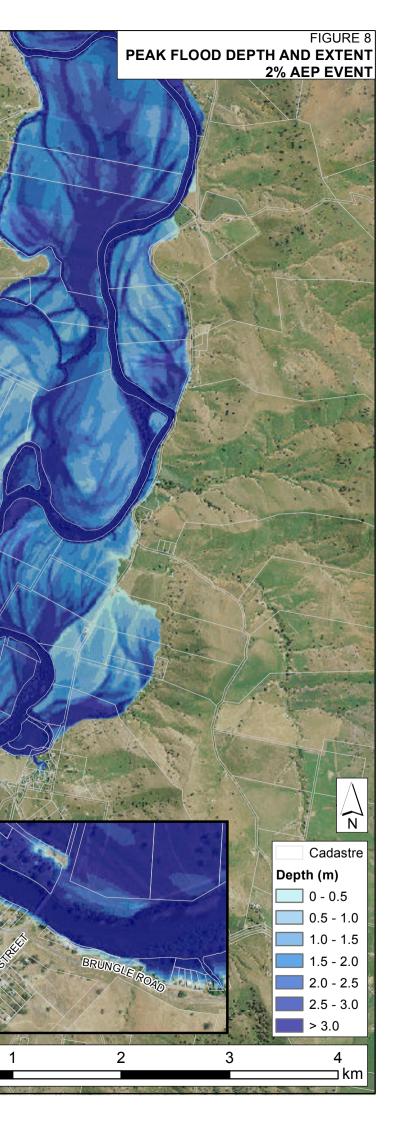
This map displays the peak flood envelope due to Murrumbidgee River and Jones Creek flooding. It is unlikely that these events will occur concurrently. Accordingly, the displayed flood extent is larger than that which would occur for a Murrumbidgee River only flood event of the same magnitude.

The 2% AEP Event is also known as the 1 in 50 year flood event. The Murrumbidgee River peak flow in such an event is 449 GL/day and a peak stage of 11.52 m is achieved on the Gundagai stream gauge.

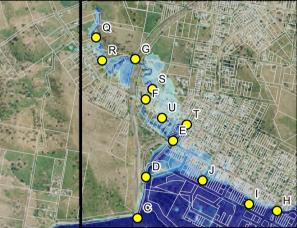
100 200

400

600











BRUNGLE RC

SES Notes

NANGUS JUNEE ROAD

′C

This map displays the peak flood envelope due to Murrumbidgee River and Jones Creek flooding. It is unlikely that these events will occur concurrently. Accordingly, the displayed flood extent is larger than that which would occur for a Murrumbidgee River only flood event of the same magnitude.

The 1% AEP Event is also known as the 1 in 100 year flood event. The Murrumbidgee River peak flow in such an event is 527 GL/day and a peak stage of 11.93 m is achieved on the Gundagai stream gauge.

100 200

400

600

N⁄

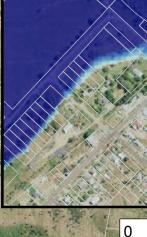


-			
	Cadastre		
0	Sensitivity Analysis Locations		
Depth (m)			
	0 - 0.5		
	0.5 - 1.0		
	1.0 - 1.5		
1.5 - 2.0			
2.0 - 2.5			
2.5 - 3.0			
> 3.0			
1	1.5 2 2.5		
	km		
	-		









0.5

SES Notes

NANGUS JUNEE ROAD

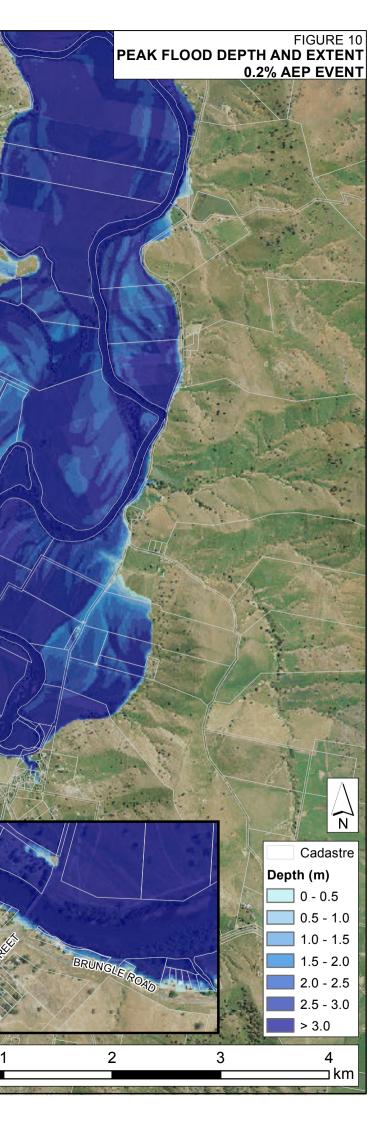
This map displays the peak flood envelope due to Murrumbidgee River and Jones Creek flooding. It is unlikely that these events will occur concurrently. Accordingly, the displayed flood extent is larger than that which would occur for a Murrumbidgee River only flood event of the same magnitude.

The 0.2% AEP Event is also known as the 1 in 500 year flood event. The Murrumbidgee River peak flow in such an event is 743 GL/day and a peak stage of 12.96 m is achieved on the Gundagai stream gauge.

100 200

400

600









0

0.5



SES Notes

NANGUS JUNEE ROAD

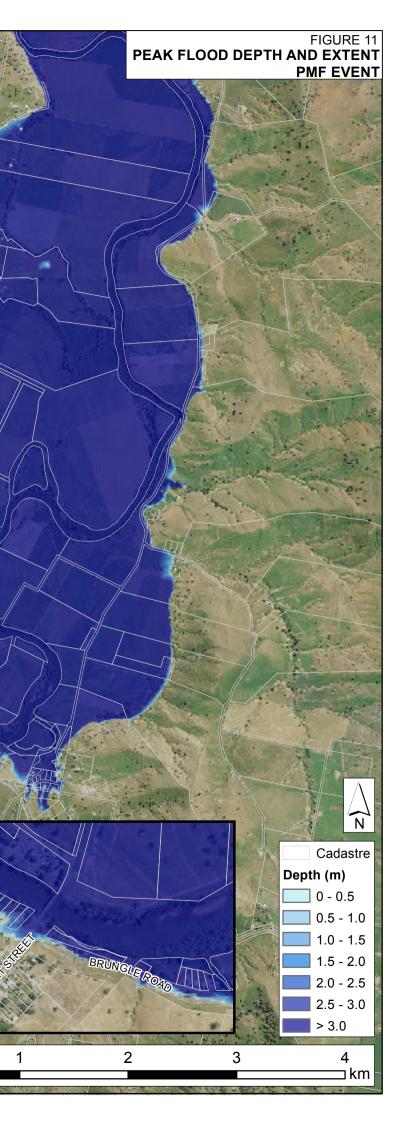
This map displays the peak flood envelope due to Murrumbidgee River and Jones Creek flooding. It is unlikely that these events will occur concurrently. Accordingly, the displayed flood extent is larger than that which would occur for a Murrumbidgee River only flood event of the same magnitude.

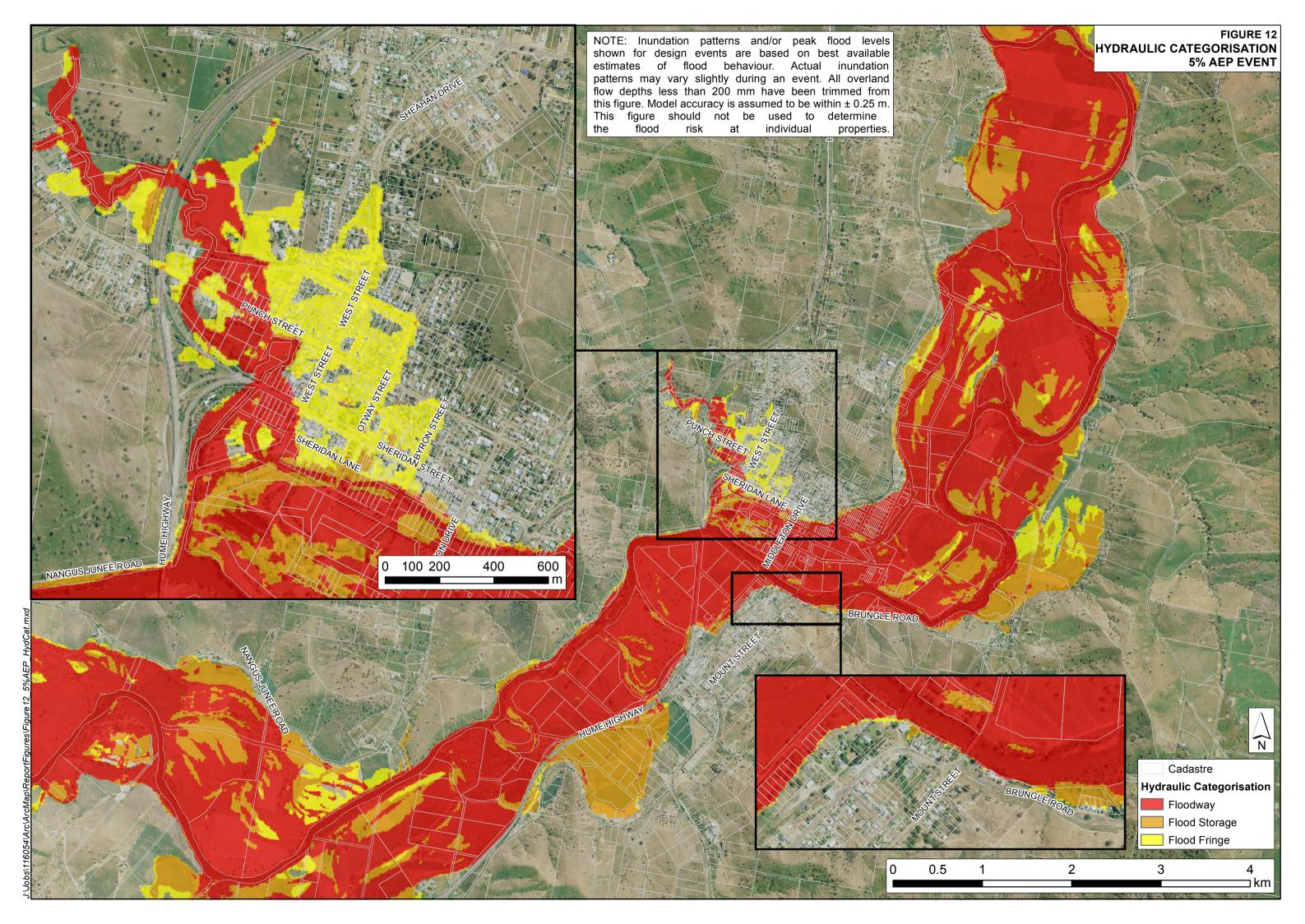
0 100 200

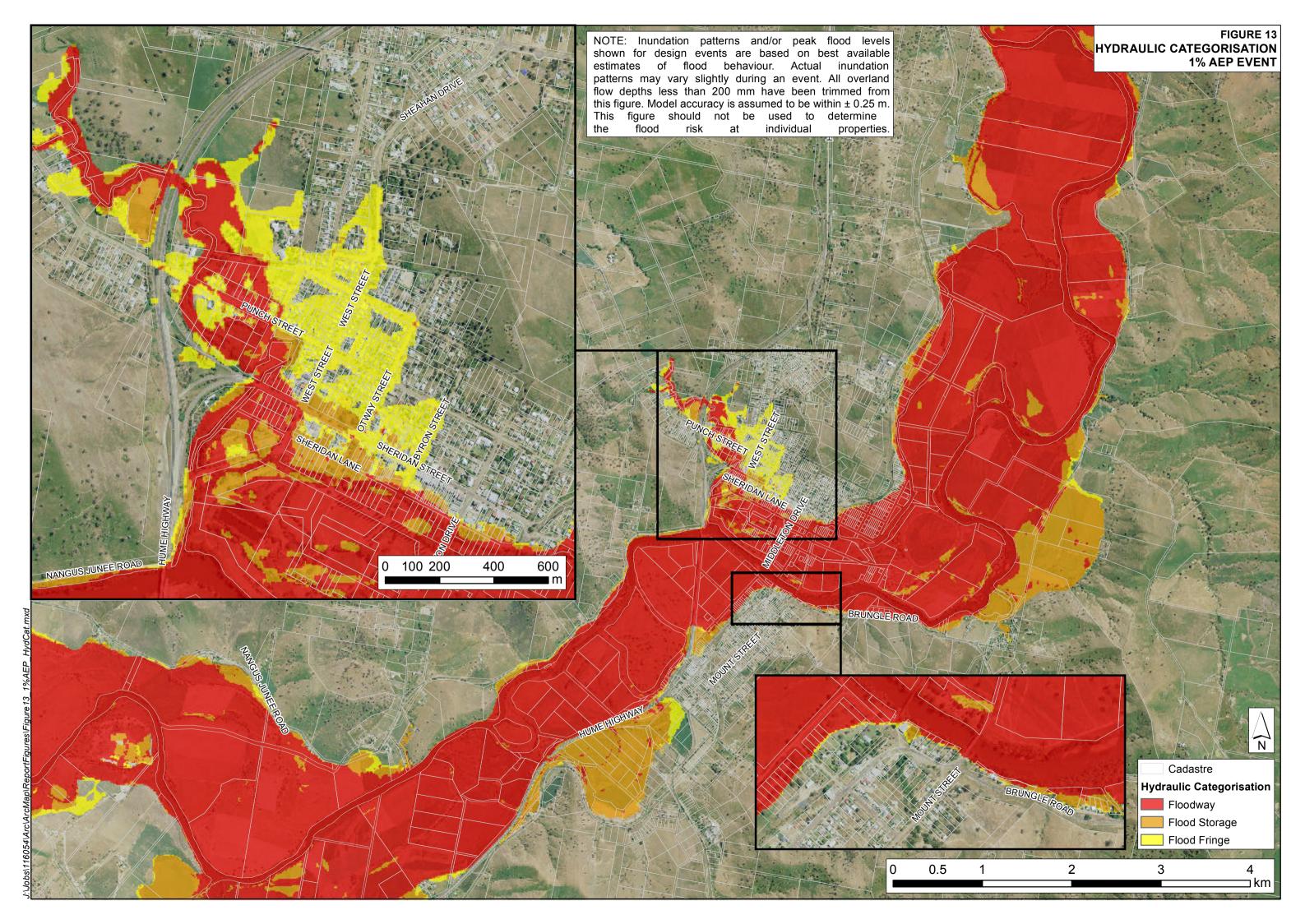
400

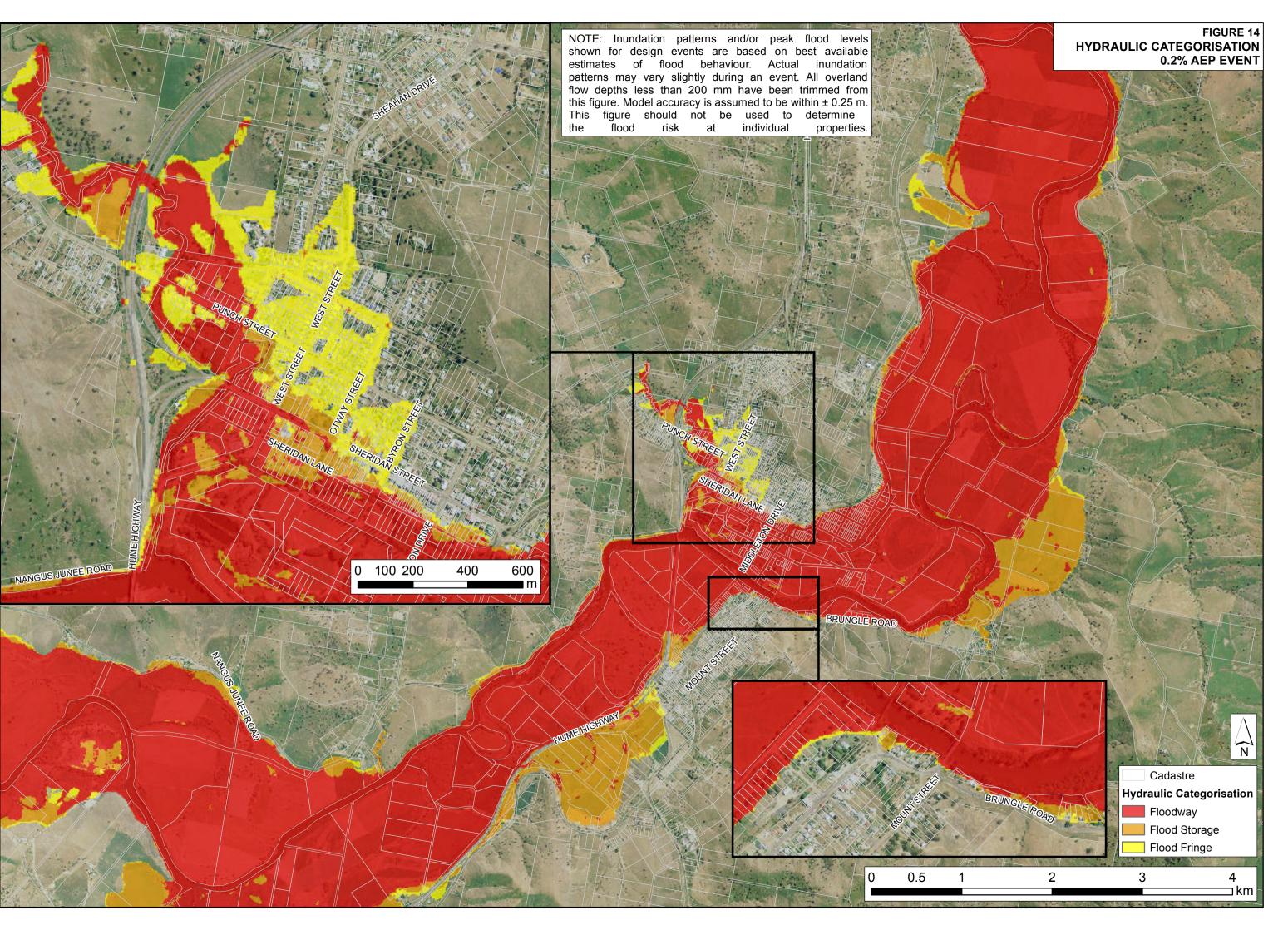
600

The PMF Event is also known as the Probable Maximum flood event. The Murrumbidgee River peak flow in such an event is 2583 GL/day and a peak stage of 19.84 m is achieved on the Gundagai stream gauge.









i4\Arc\ArcMap\ReportFigures\Figure 14_02%AEP_F

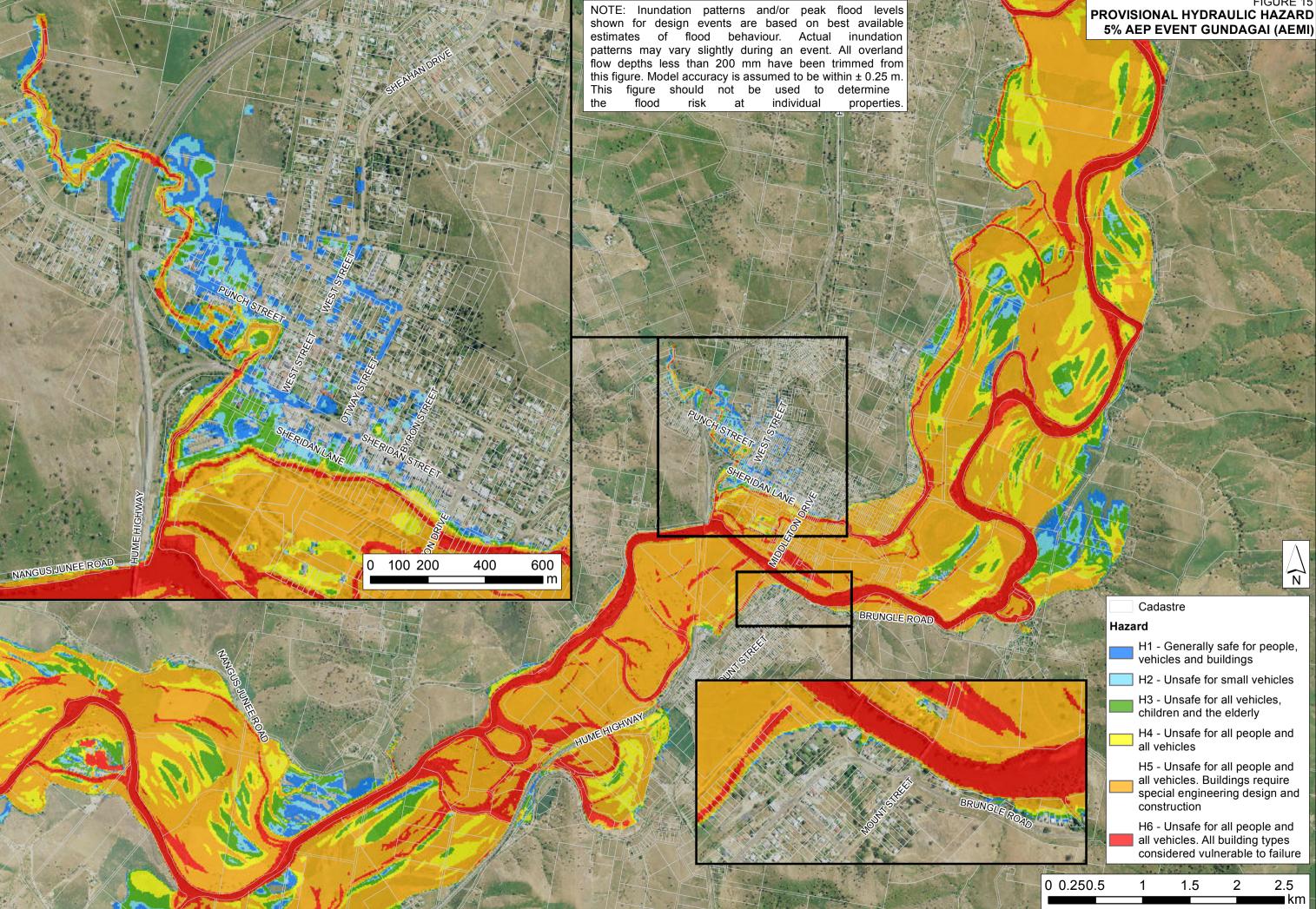


FIGURE 15 5% AEP EVENT GUNDAGAI (AEMI)

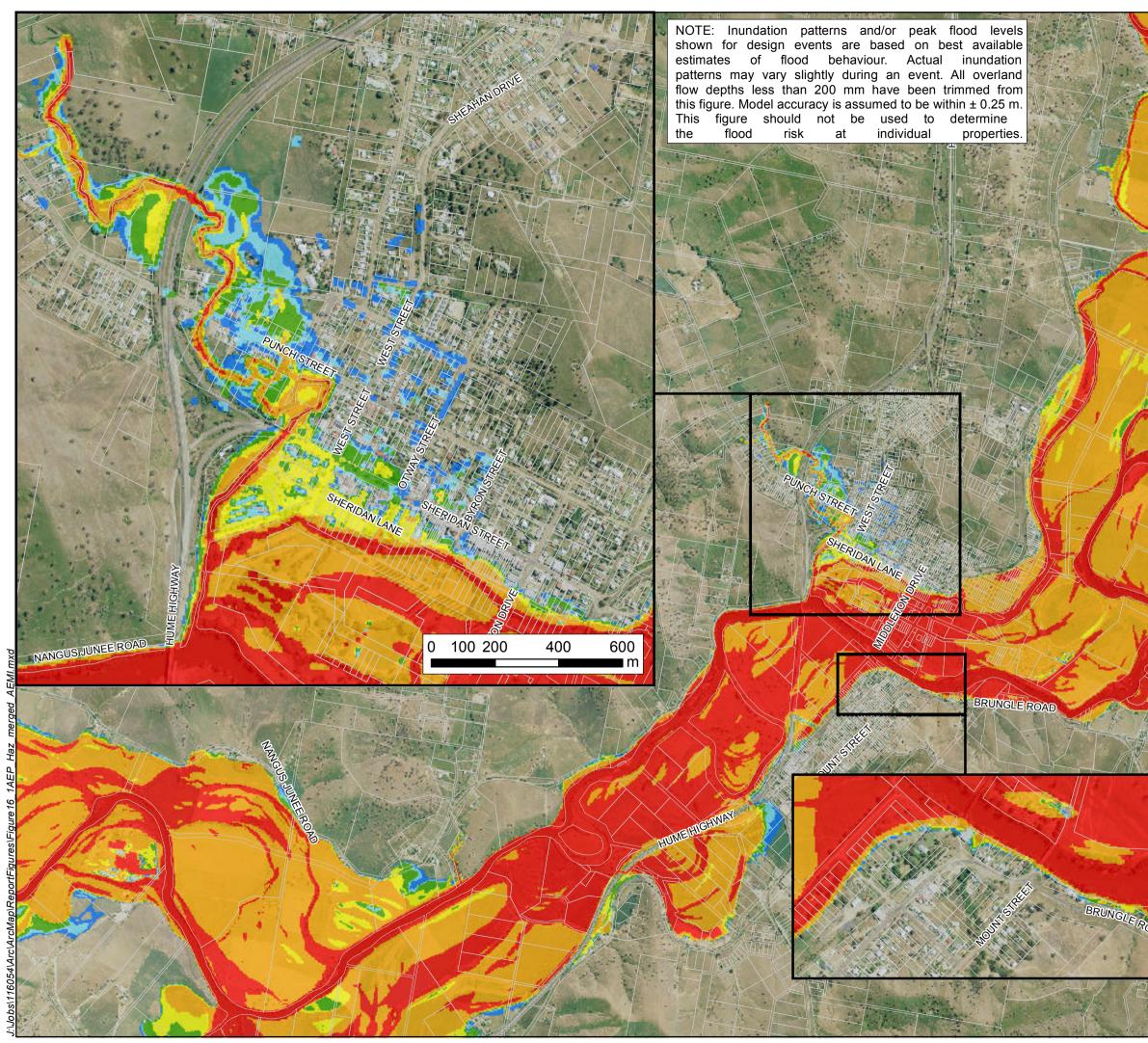


FIGURE 16 PROVISIONAL HYDRAULIC HAZARD 1% AEP EVENT GUNDAGAI (AEMI)

	Cadastre				
H	azard				
	H1 - Generally safe for people, vehicles and buildings				
	📃 H2 - Unsafe	H2 - Unsafe for small vehicles			
		 H3 - Unsafe for all vehicles, children and the elderly H4 - Unsafe for all people and all vehicles H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction 			
	vehicles. Bu special englished				
*10	vehicles. All	H6 - Unsafe for all people and all vehicles. All building types considered vulnerable to failure			
0 0.250.5	1 1.5	5 2	2.5		
			km		

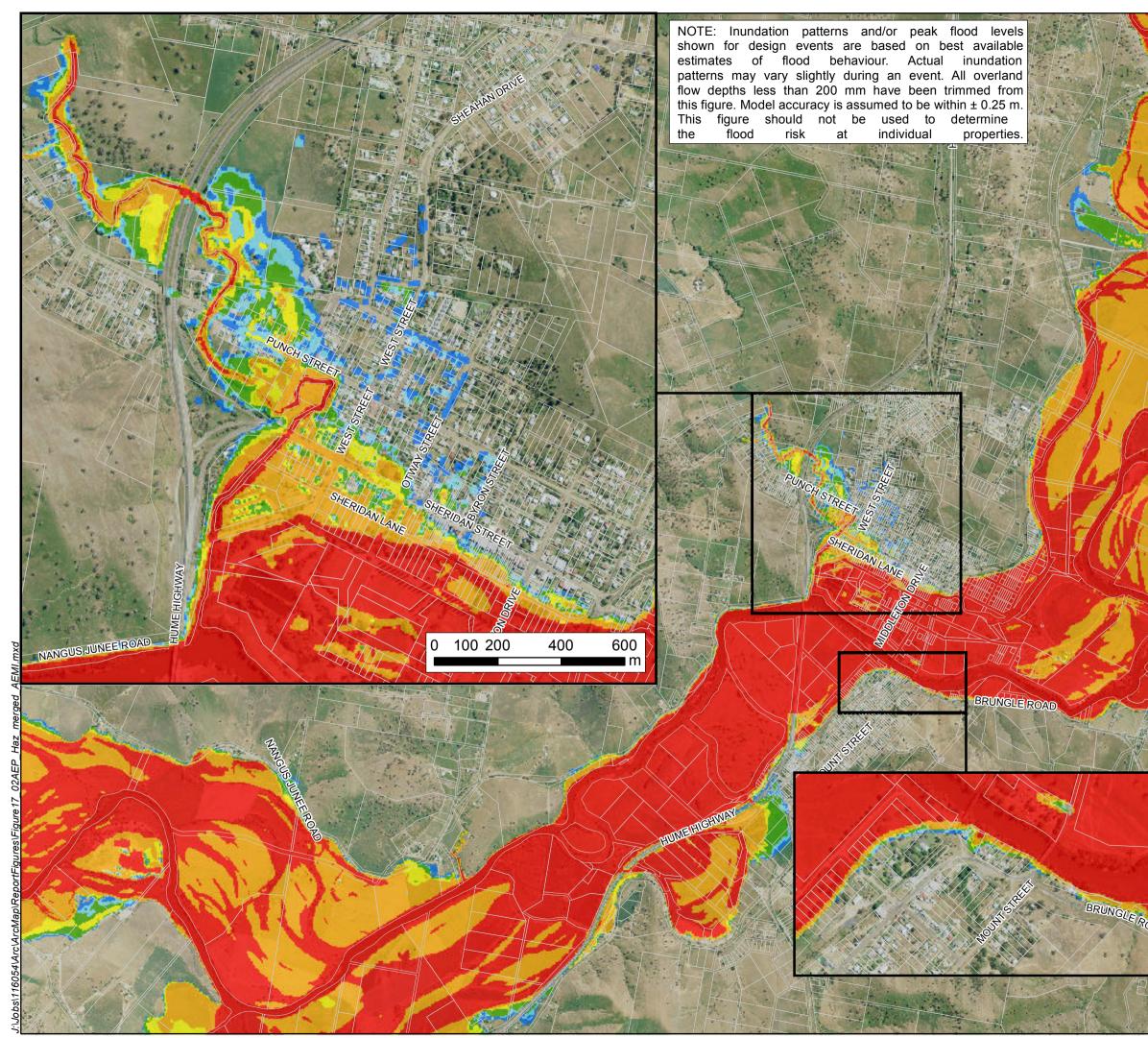


FIGURE 17 PROVISIONAL HYDRAULIC HAZARD 0.2% AEP EVENT GUNDAGAI (AEMI)

