

Figure 5.17 North Johnstone Annual Maxima ARIs with Corresponding South Johnstone ARIs

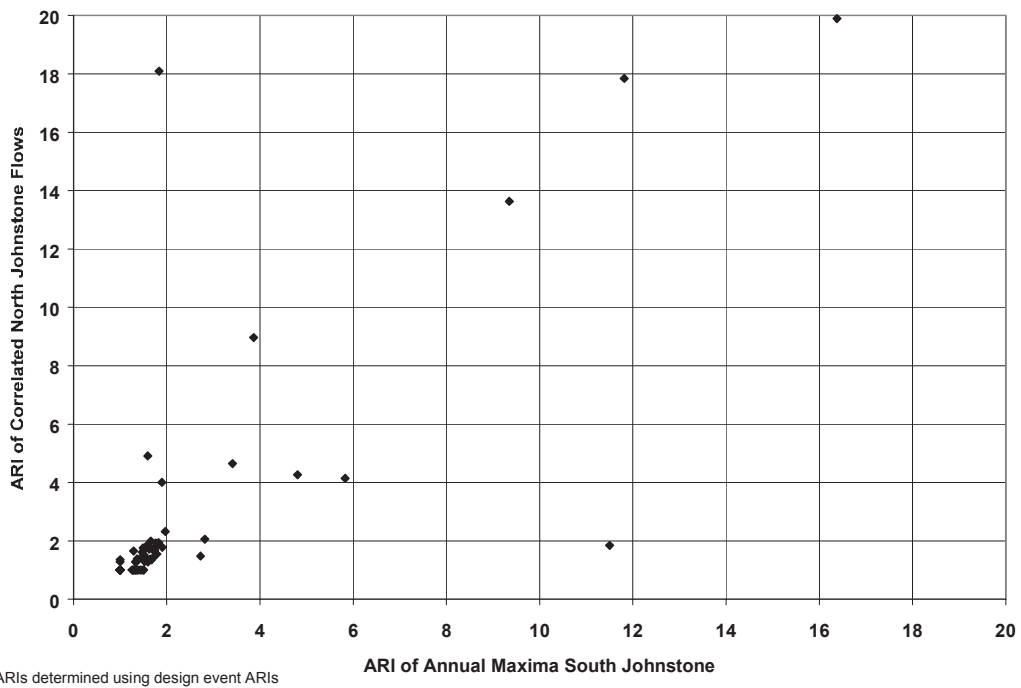


Figure 5.18 South Johnstone Annual Maxima ARIs with Corresponding North Johnstone ARIs

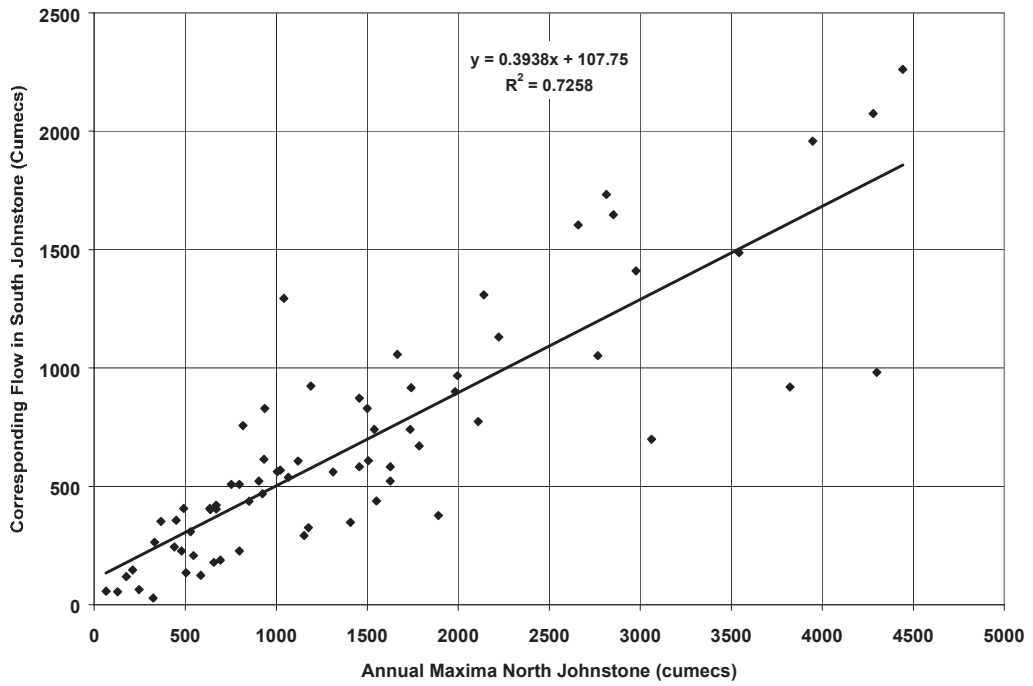


Figure 5.19 North Johnstone Annual Maxima Flows with Corresponding South Johnstone Flows

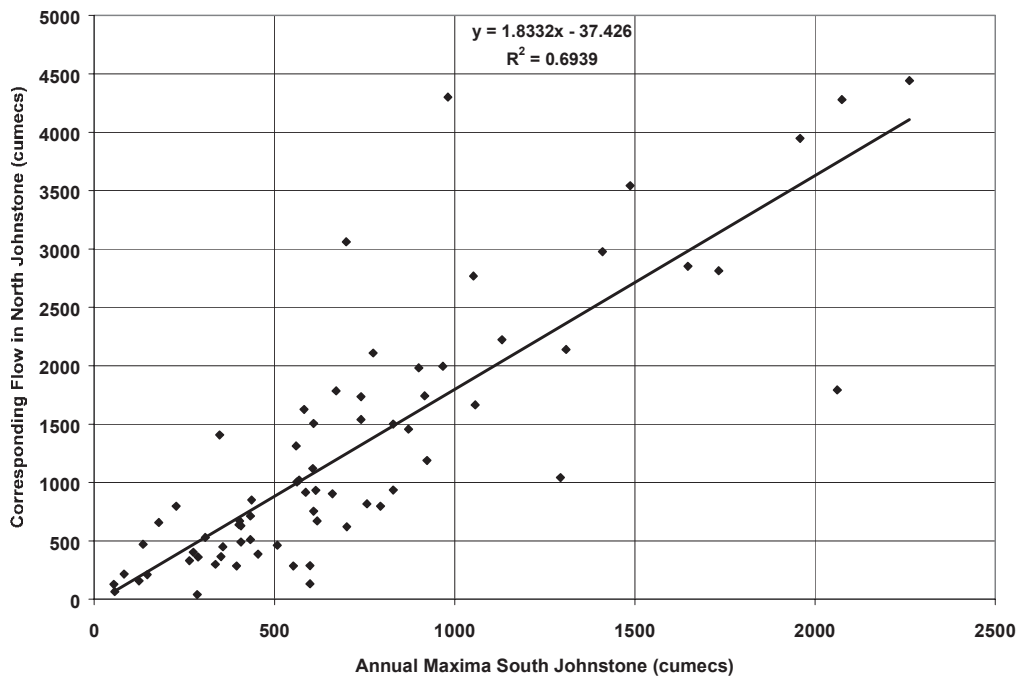


Figure 5.20 South Johnstone Annual Maxima Flows with Corresponding North Johnstone Flows

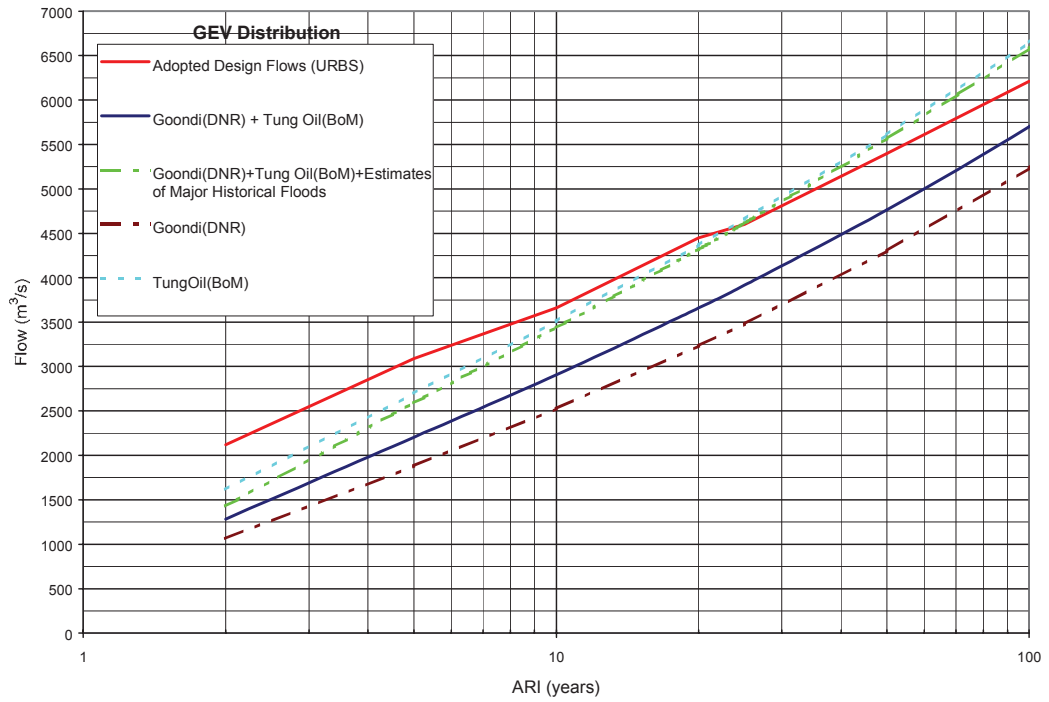


Figure 5.21 Final Peak Design Flows on North Johnstone River

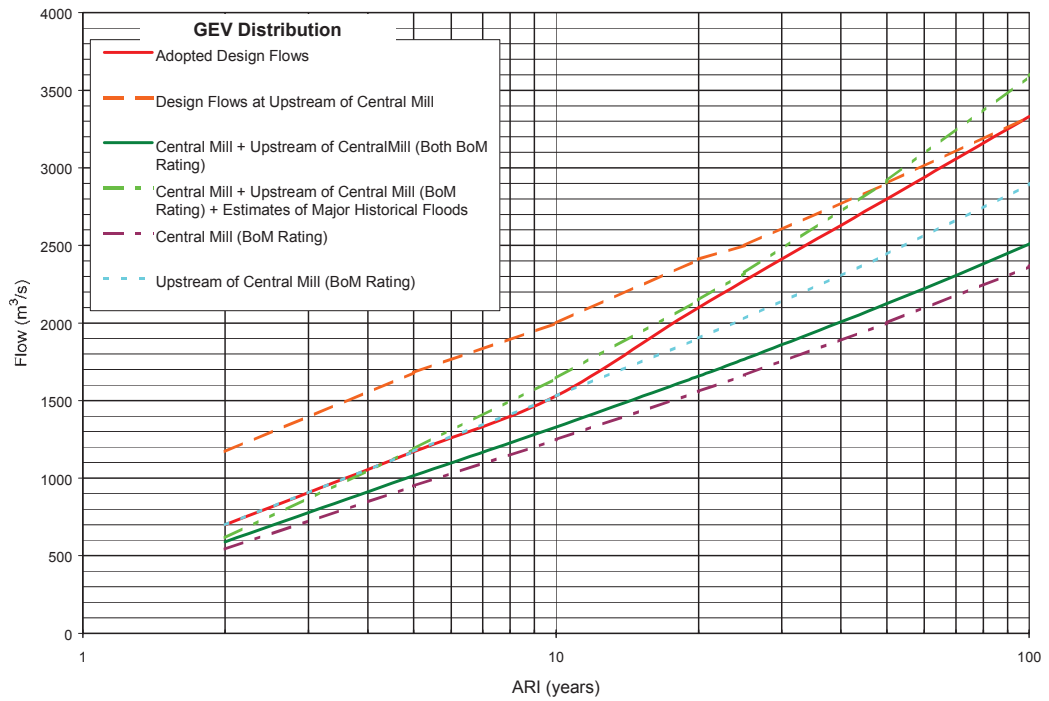
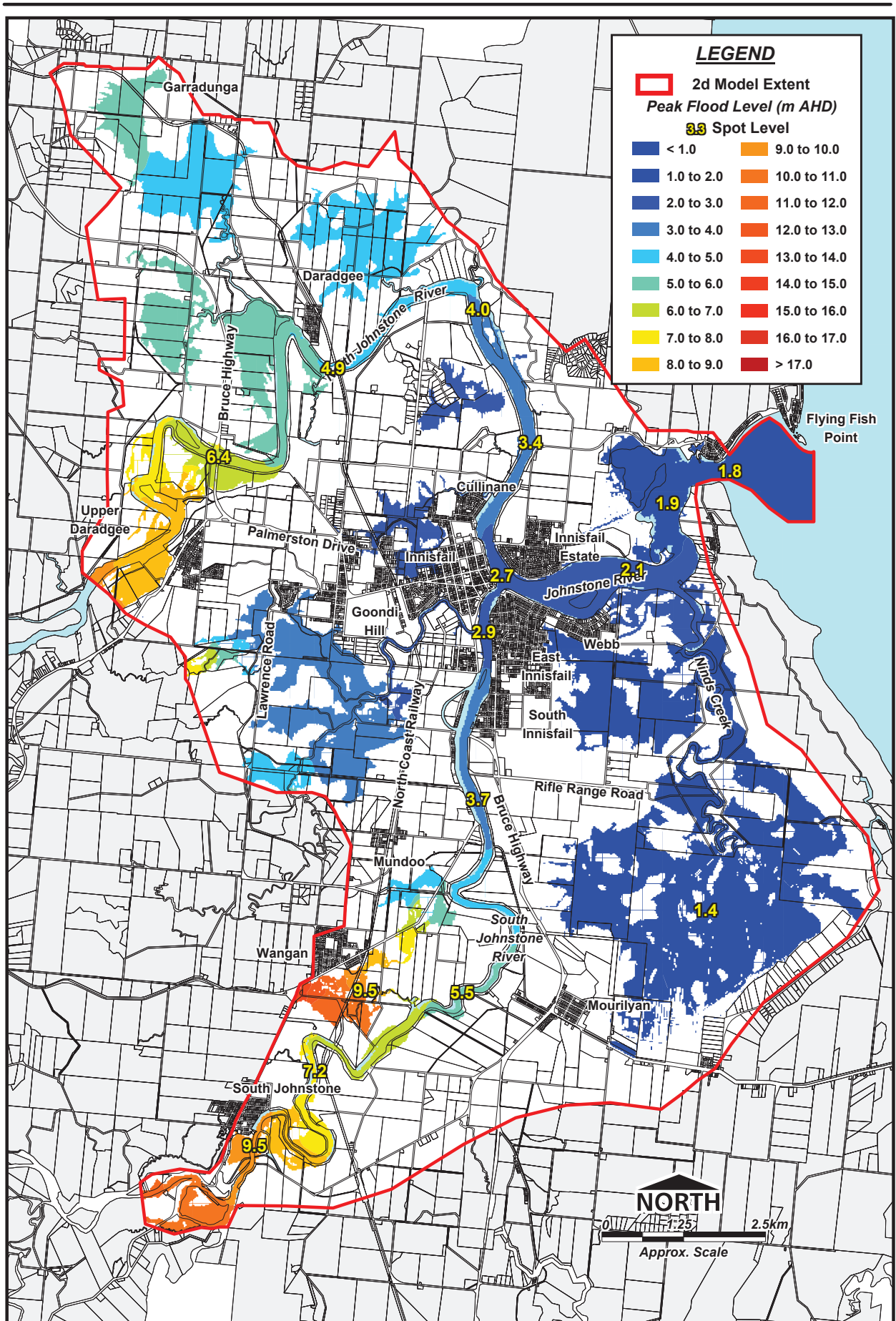
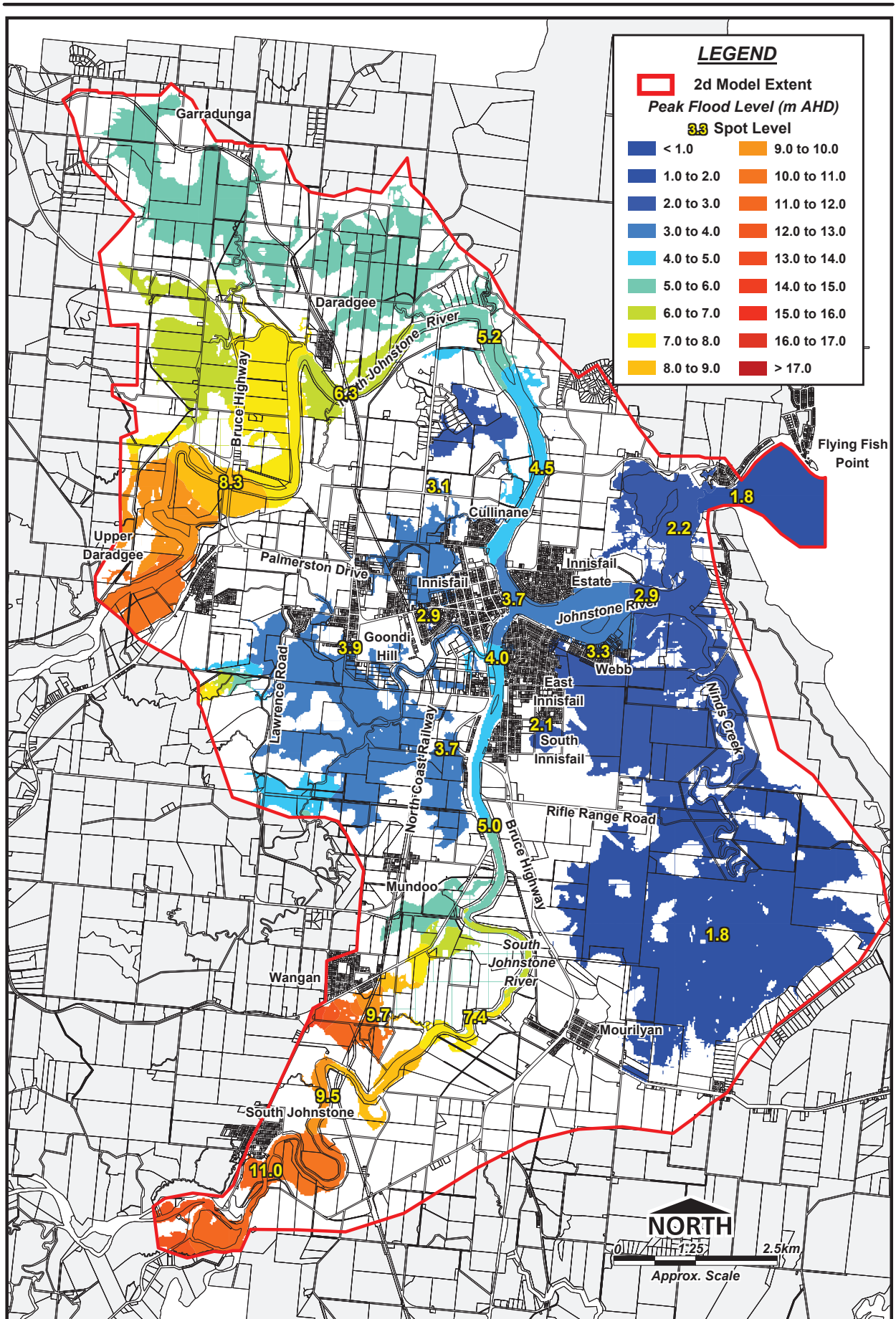


Figure 5.22 Final Peak Design Flows on South Johnstone River



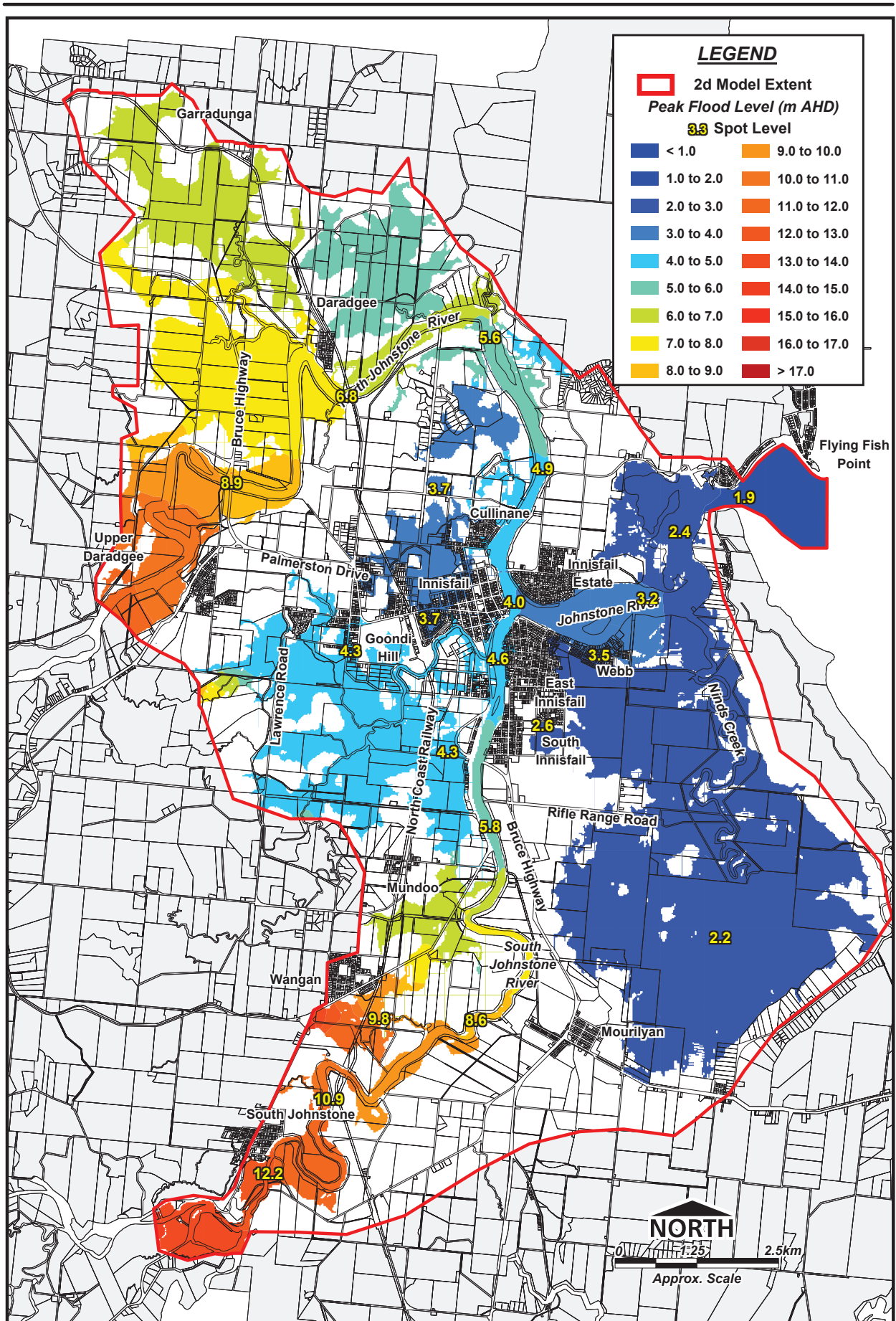
2 Year ARI Peak Flood Level and Extent

Figure 5-23



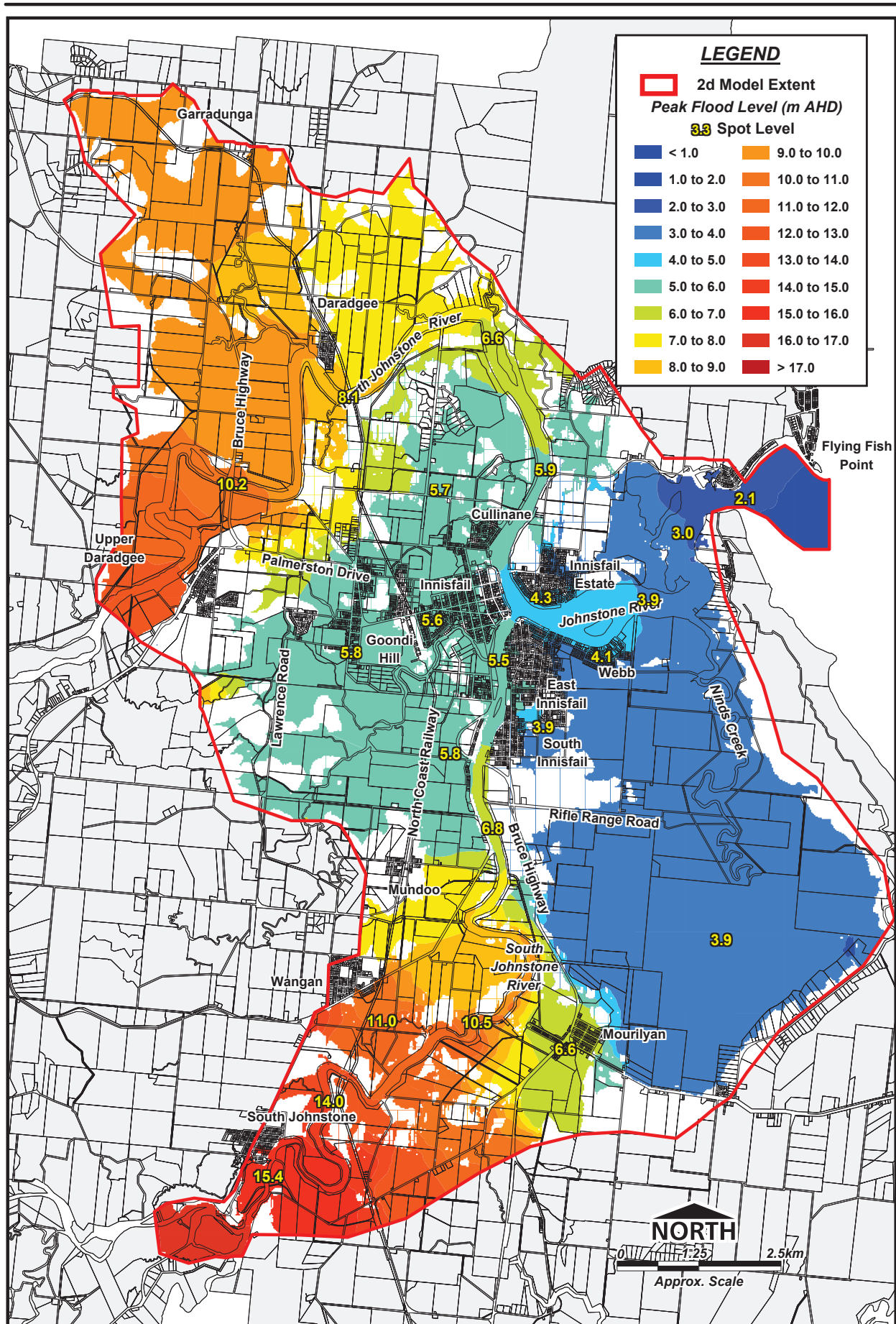
5 Year ARI Peak Flood Level and Extent

Figure 5-24



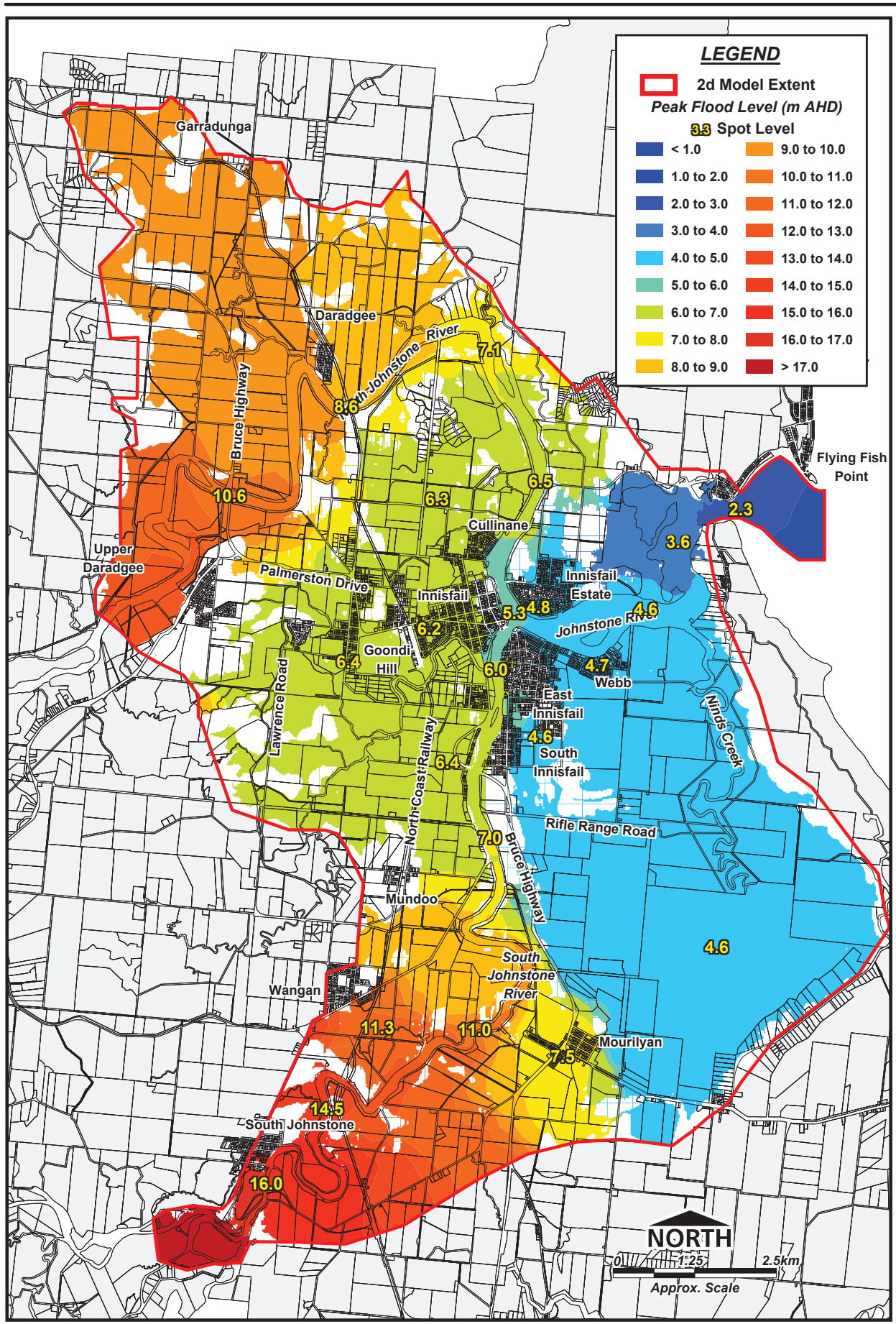
10 Year ARI Peak Flood Level and Extent

Figure 5-25



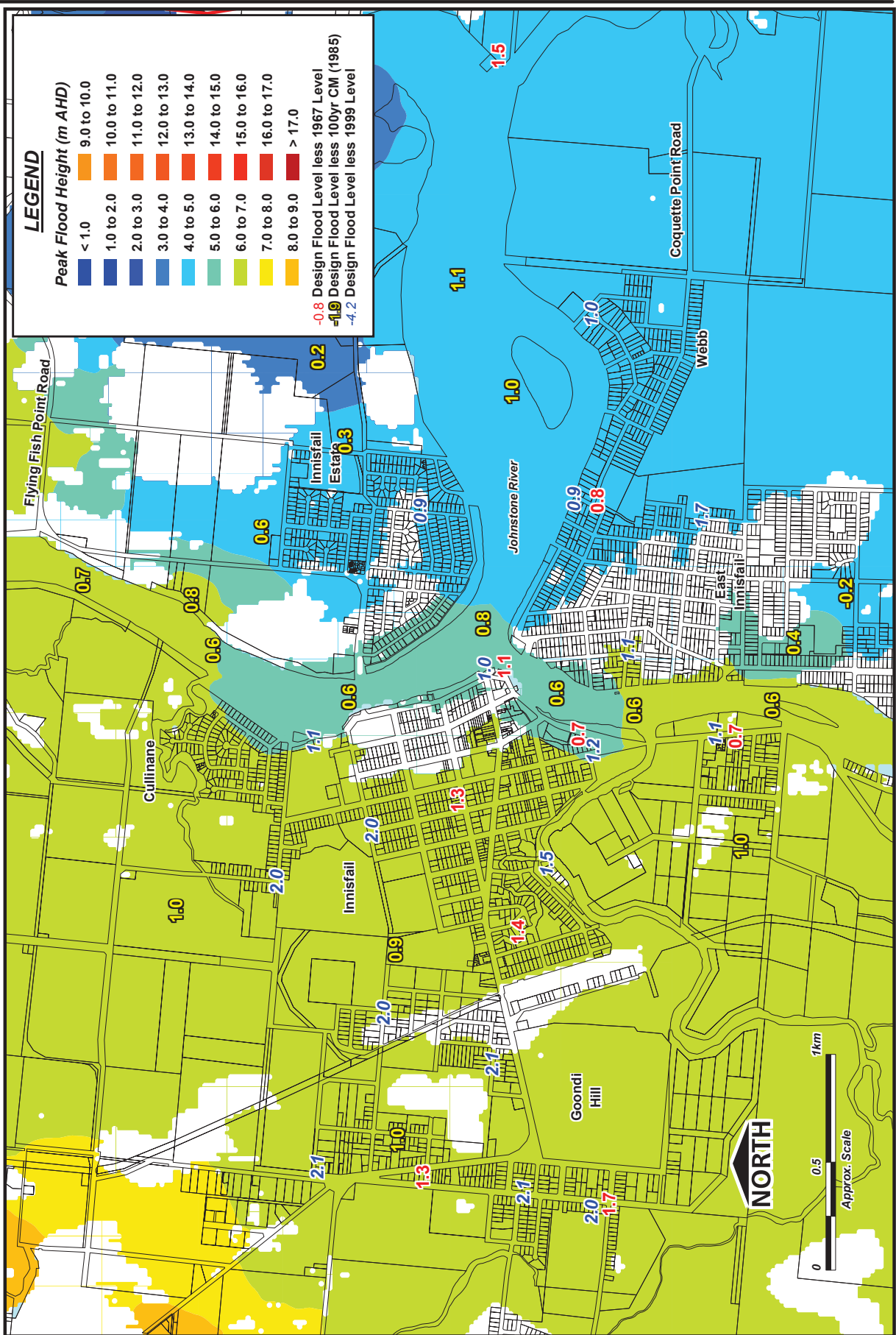
50 Year ARI Peak Flood Level and Extent

Figure 5-27



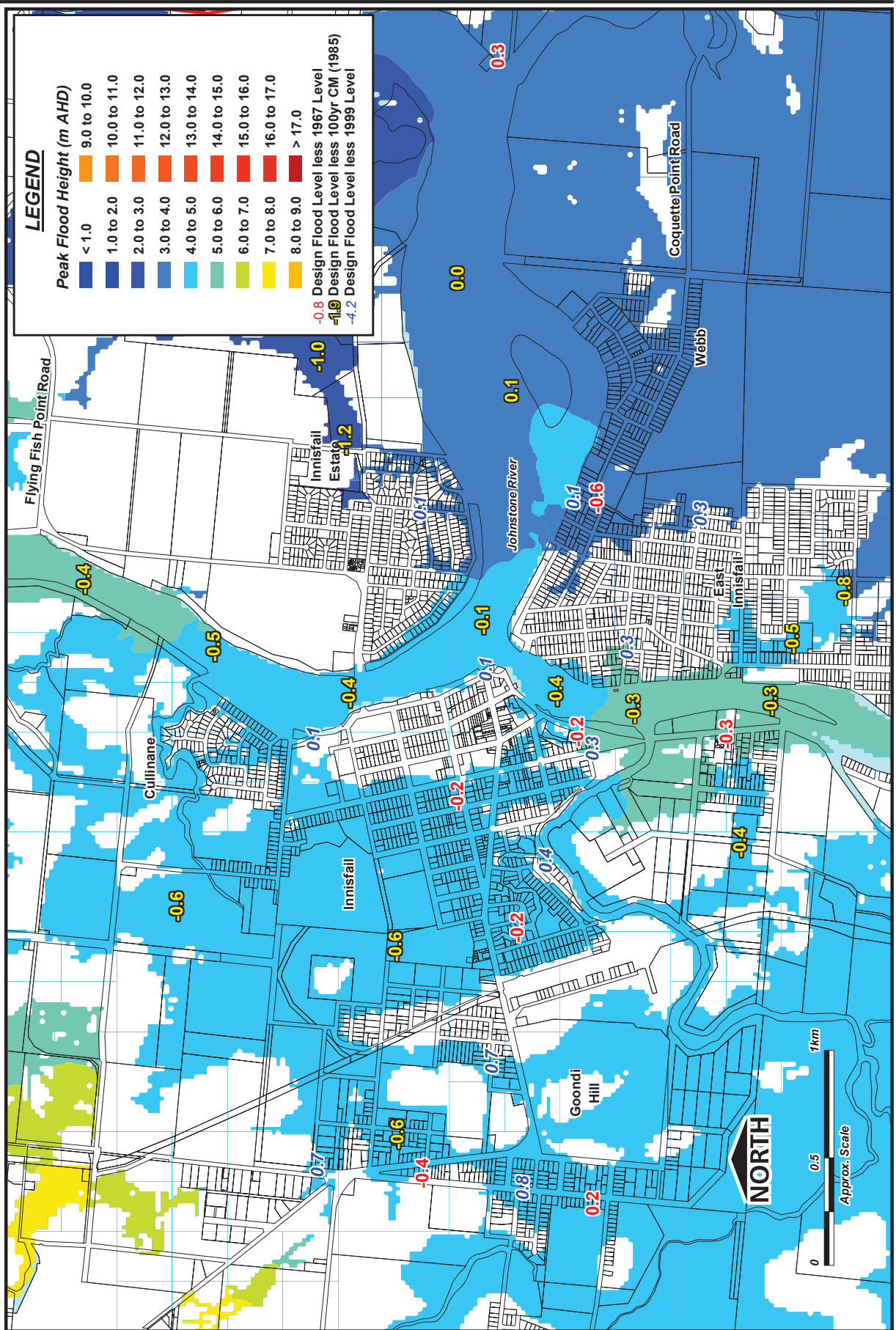
100 Year ARI Peak Flood Level and Extent

Figure 5-28



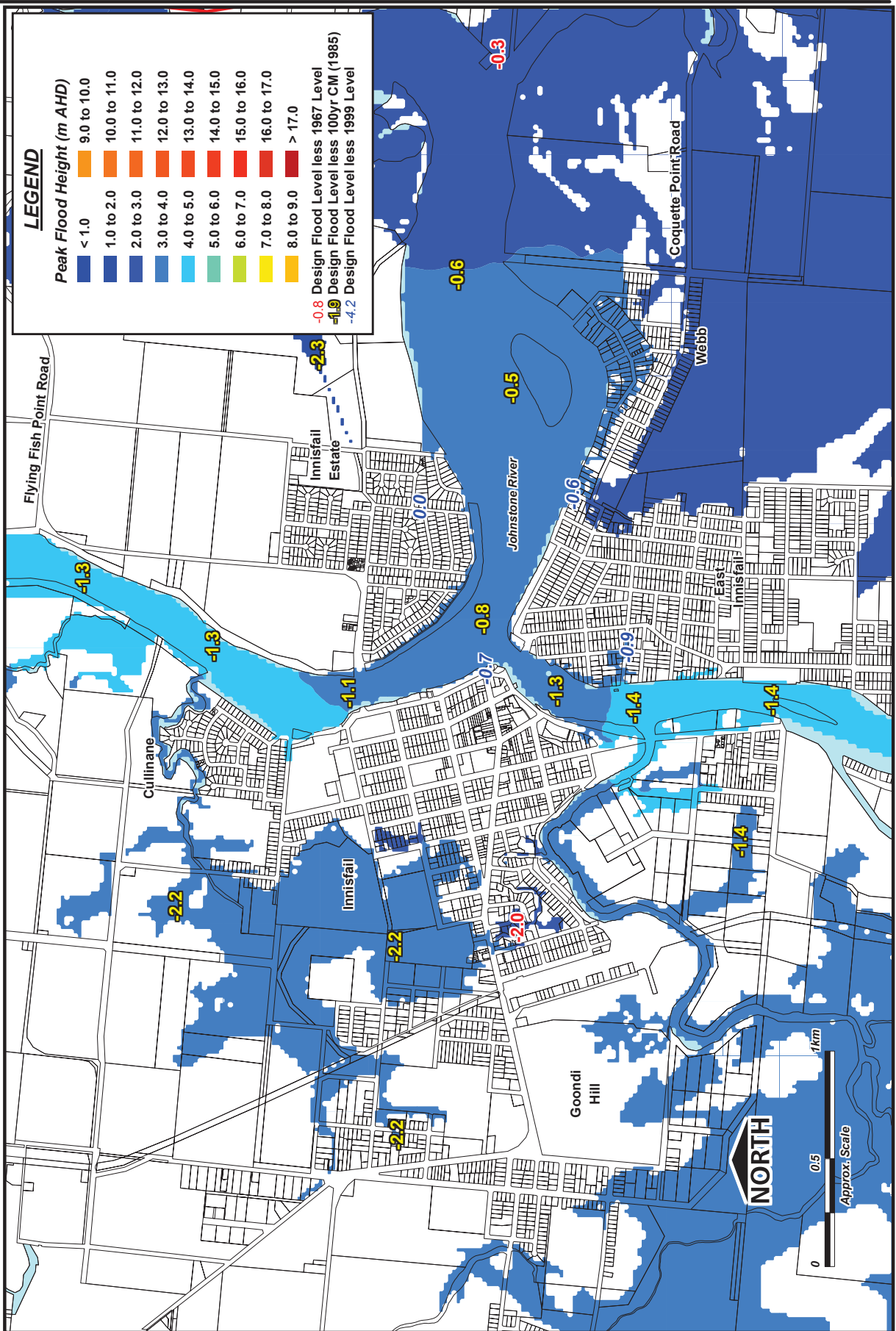
**Peak 100 Year ARI Design Flood Levels
 Compared to Historical Flood Levels
 and 100 Year CM (1985) Flood Levels**

Figure 5-29



**Peak 20 Year ARI Design Flood Levels
 Compared to Historical Flood Levels
 and 100 Year CM (1985) Flood Levels**

Figure 5-30



**Peak 5 Year ARI Design Flood Levels
 Compared to Historical Flood Levels
 and 100 Year CM (1985) Flood Levels**

Figure 5-31

6 EXISTING FLOOD DAMAGE ASSESSMENT

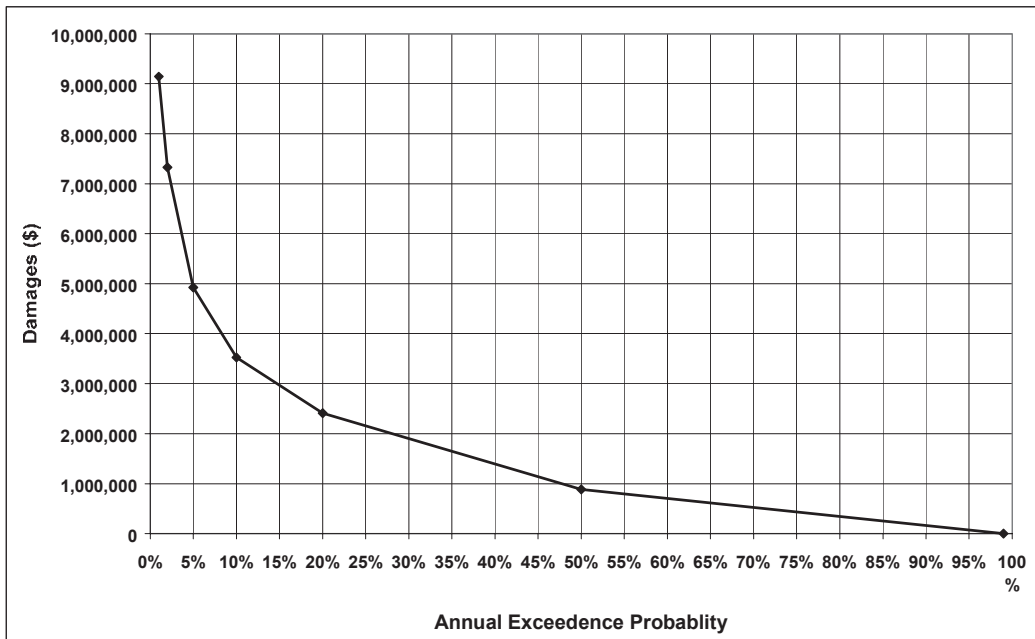


Figure 6.1 Rural Probability-Damage Curve

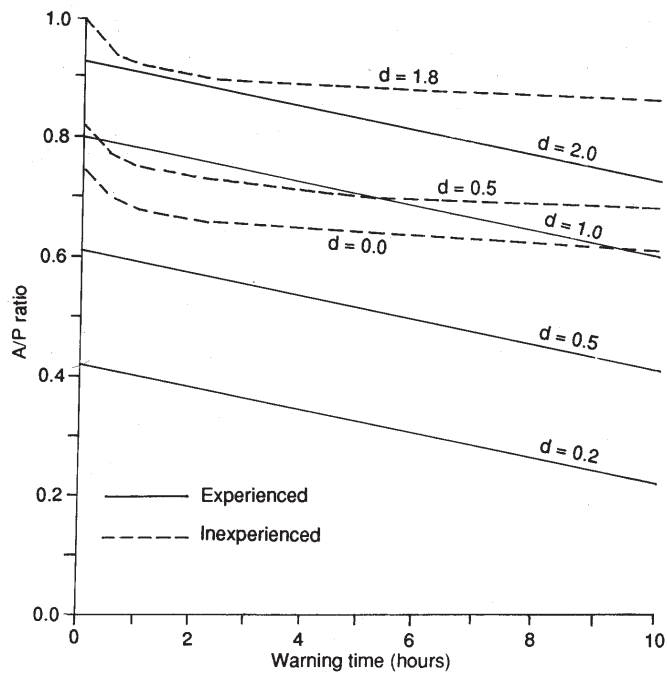


Figure 6.2 Relationship of actual/potential ratio to overfloor depth and flood experience - Sydney Flood 1986 (Smith, 1994)

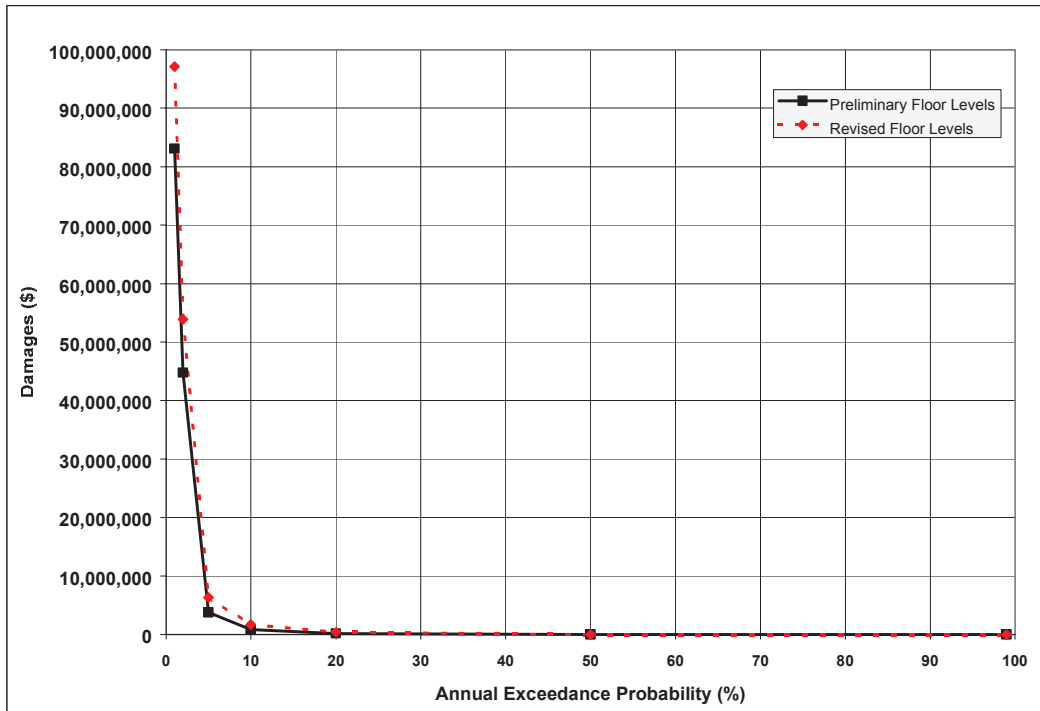
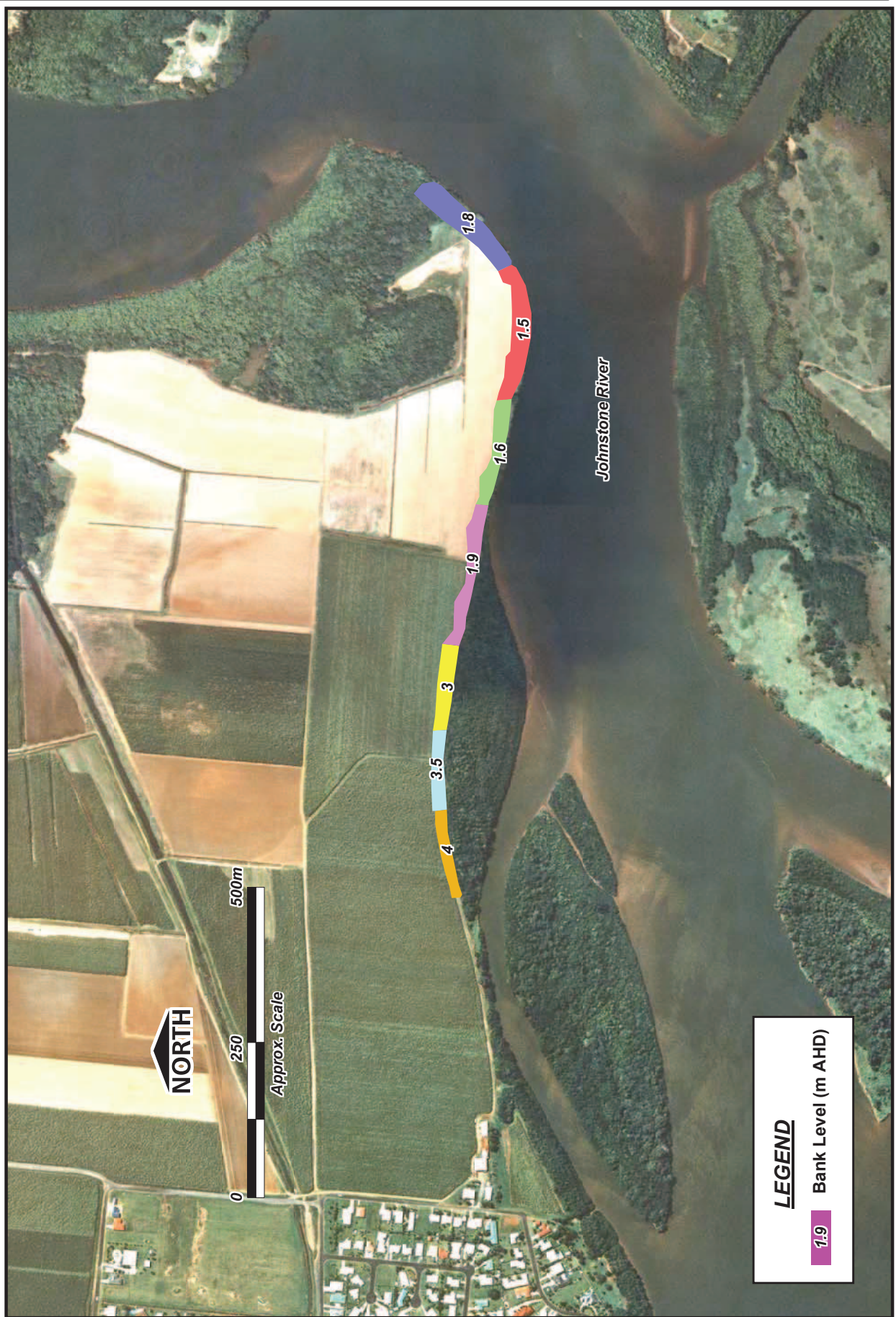


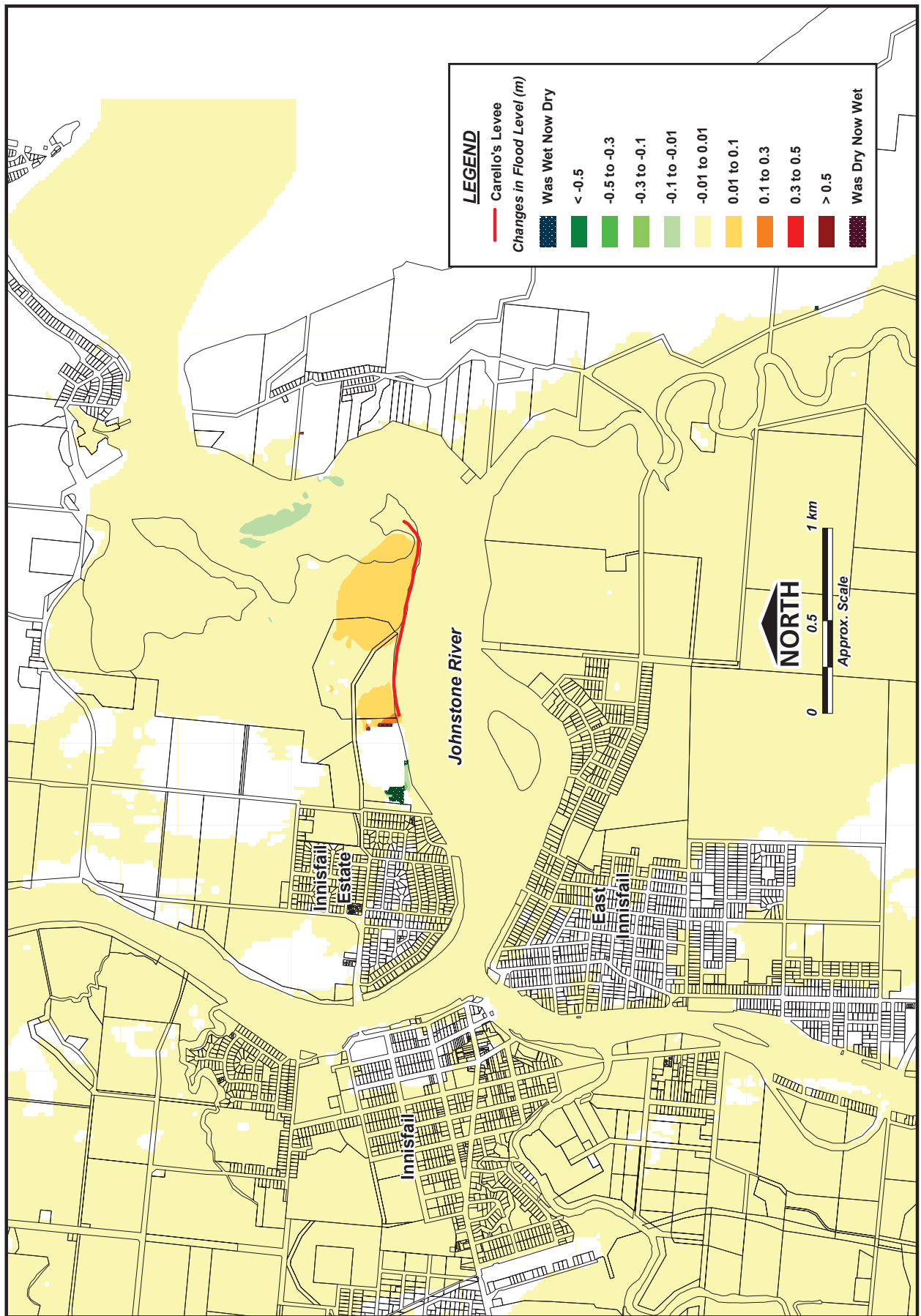
Figure 6.3 Probability Damage Curve – Residential/Commercial

7 ASSESSMENT OF HISTORICAL FLOODPLAIN WORKS



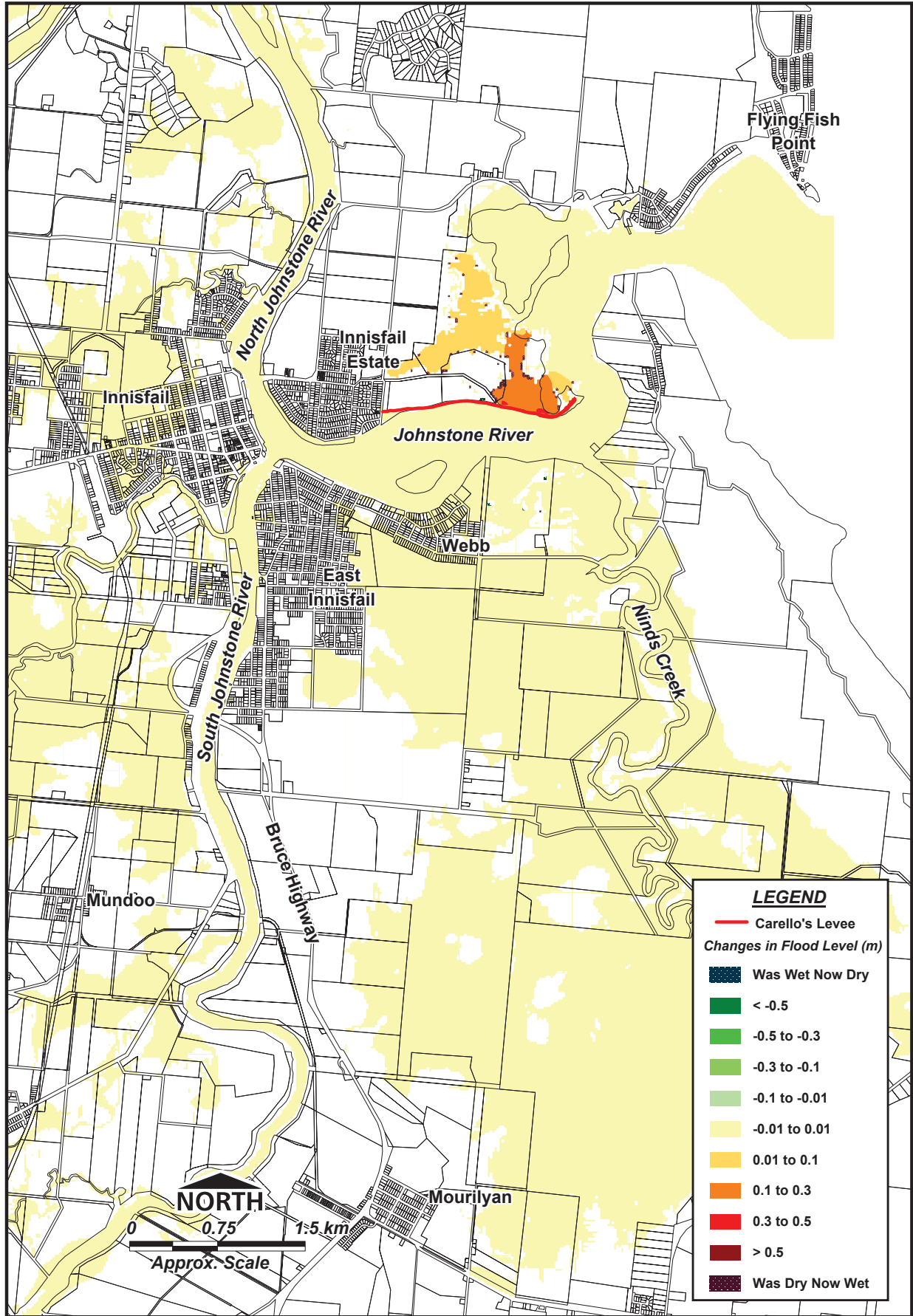
Bank Levels used in Carello Levee Removal Analysis

Figure 7-1



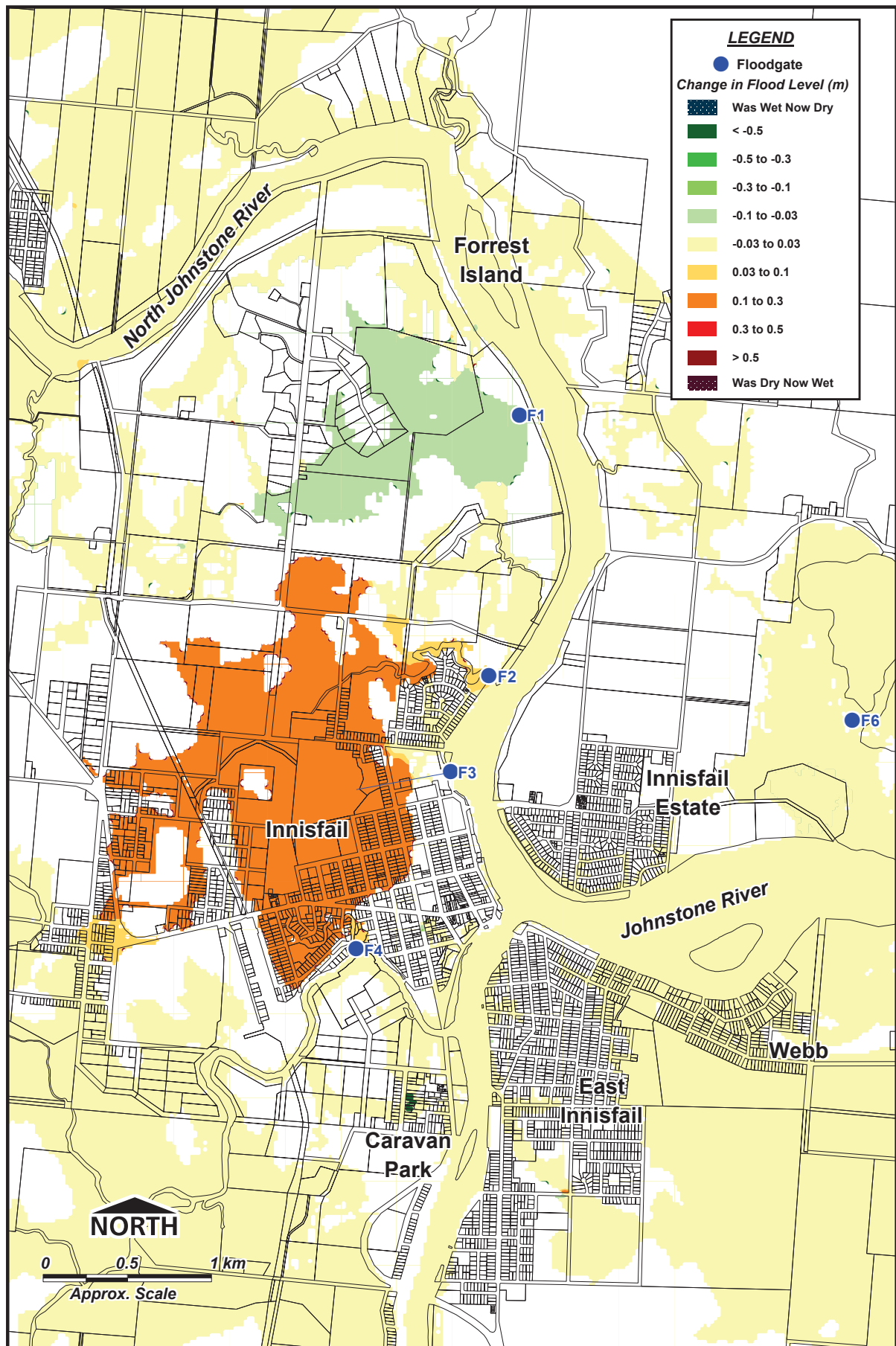
Impact of Removing Carello's Levee on 100 Year ARI Peak Flood Levels

Figure 7-2



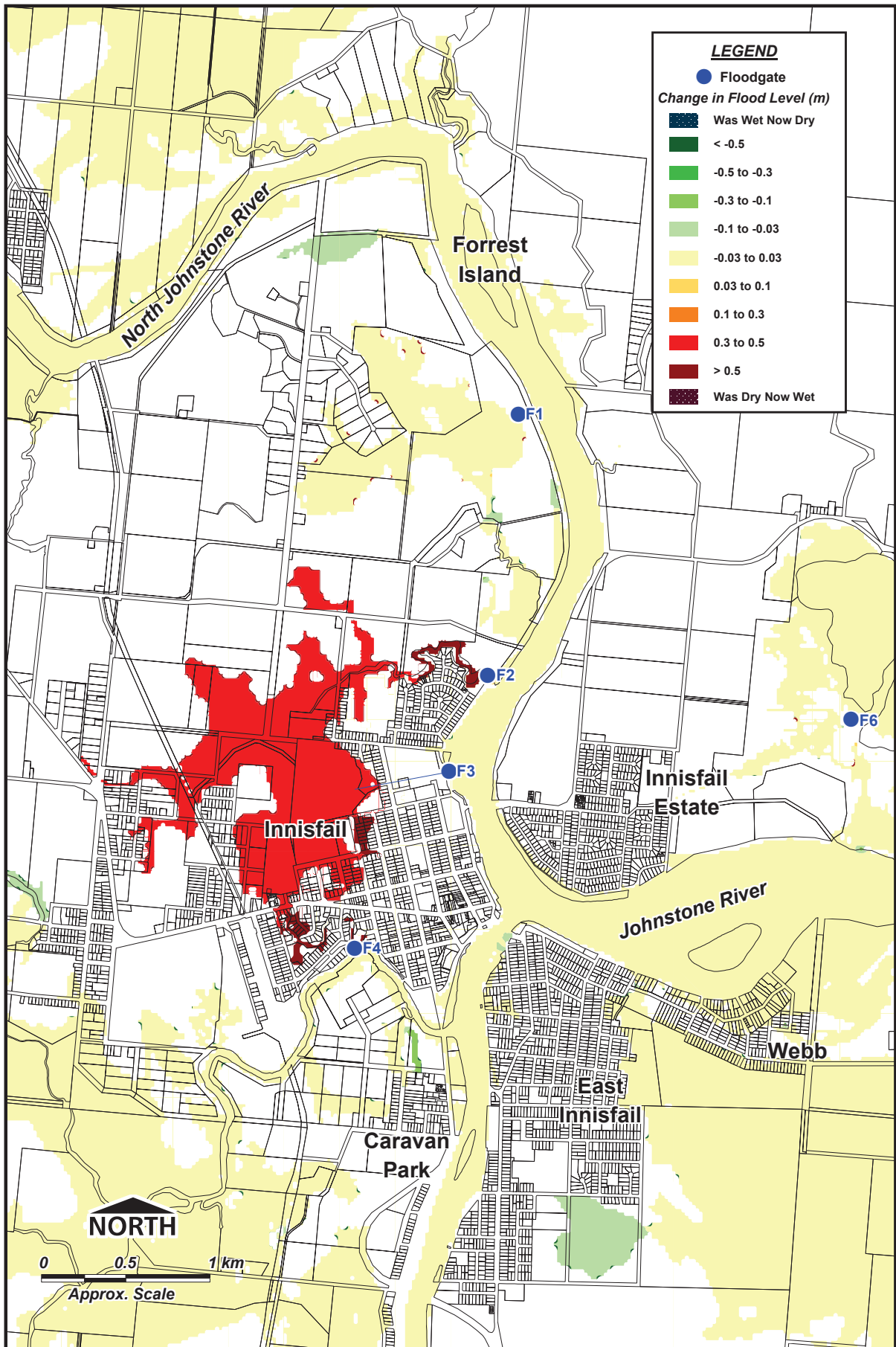
Impact of Removing Carello's Levee on 100 Year ARI Flood Levels at 19 Hours

Figure 7-3



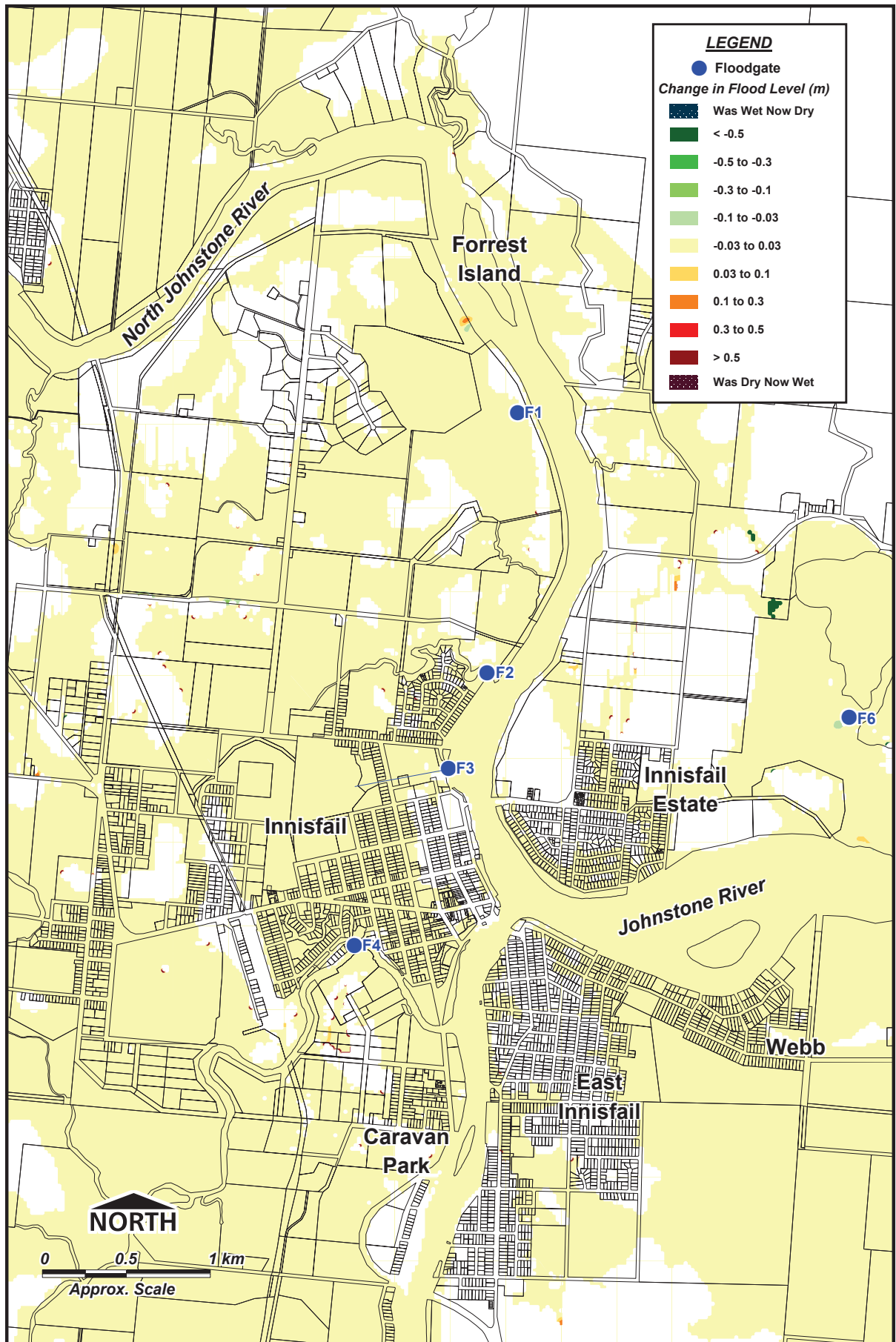
Impact of Removing Floodgates on February 1999 Peak Flood Levels

Figure 7-4



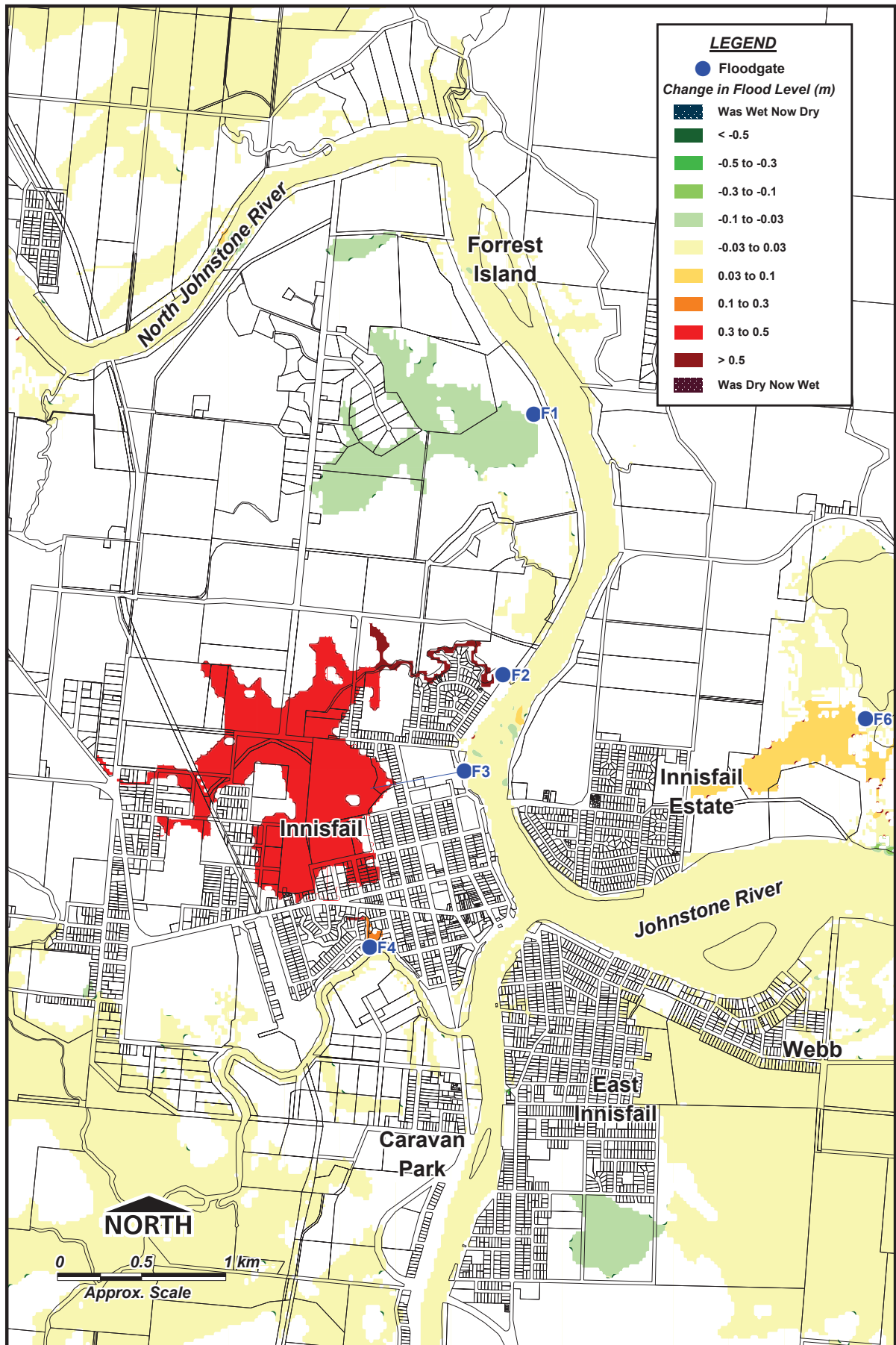
Impact of Removing Floodgates on 5 Year ARI Peak Flood Levels

Figure 7-5



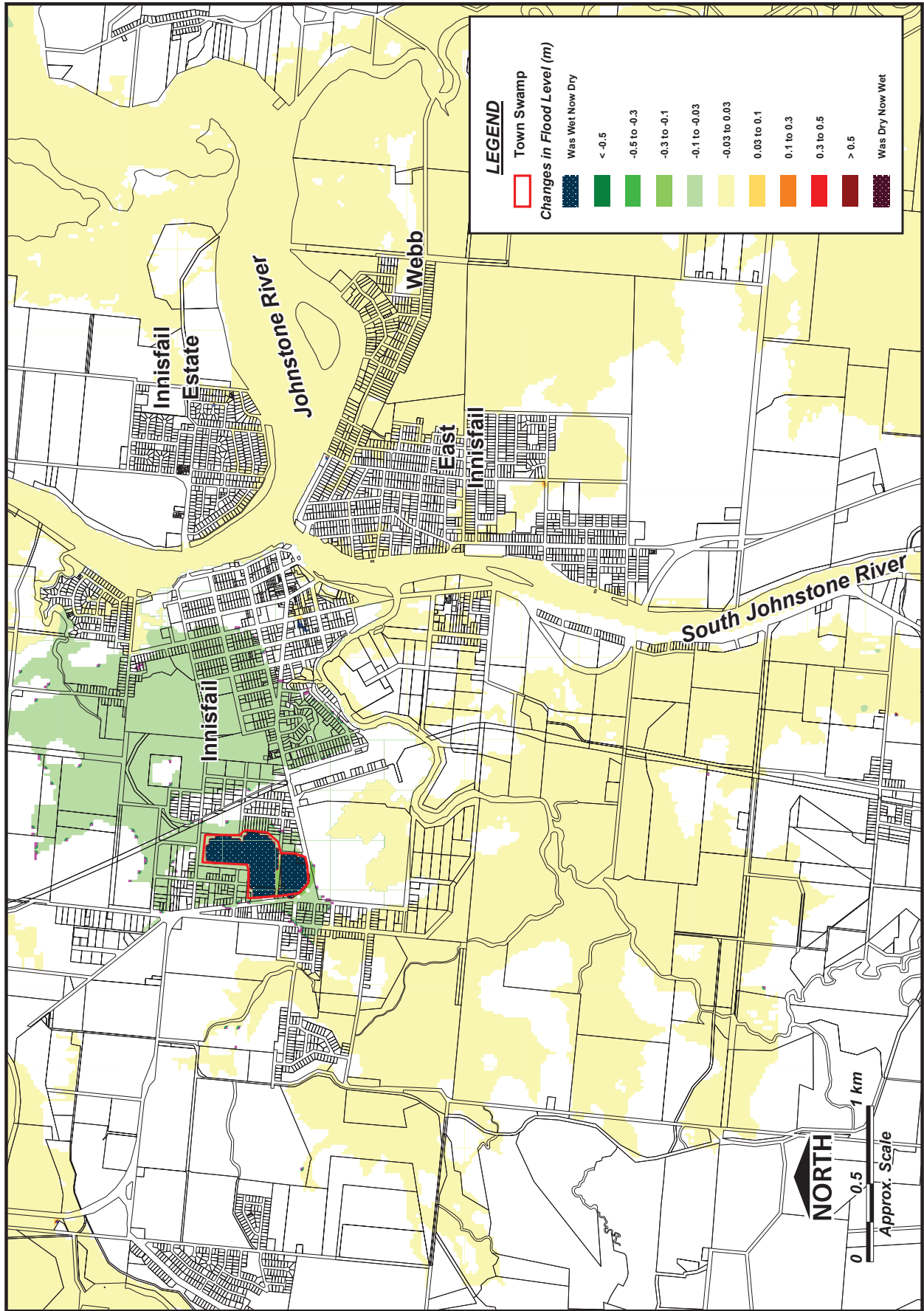
Impact of Removing Floodgates on 50 Year ARI Peak Flood Levels

Figure 7-6



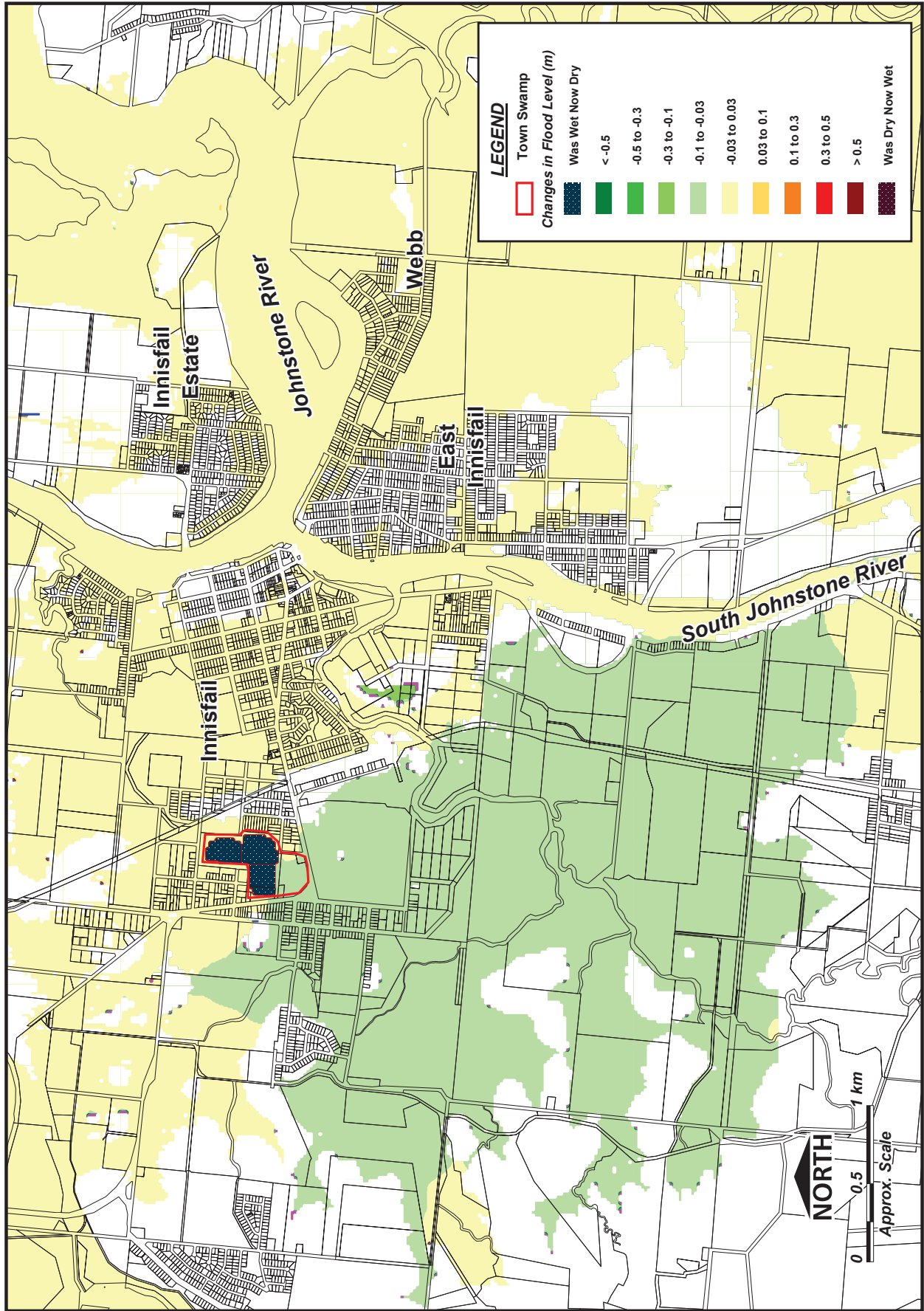
Impact of Removing Floodgates on 50 Year ARI Flood Levels at 19 Hours

Figure 7-7



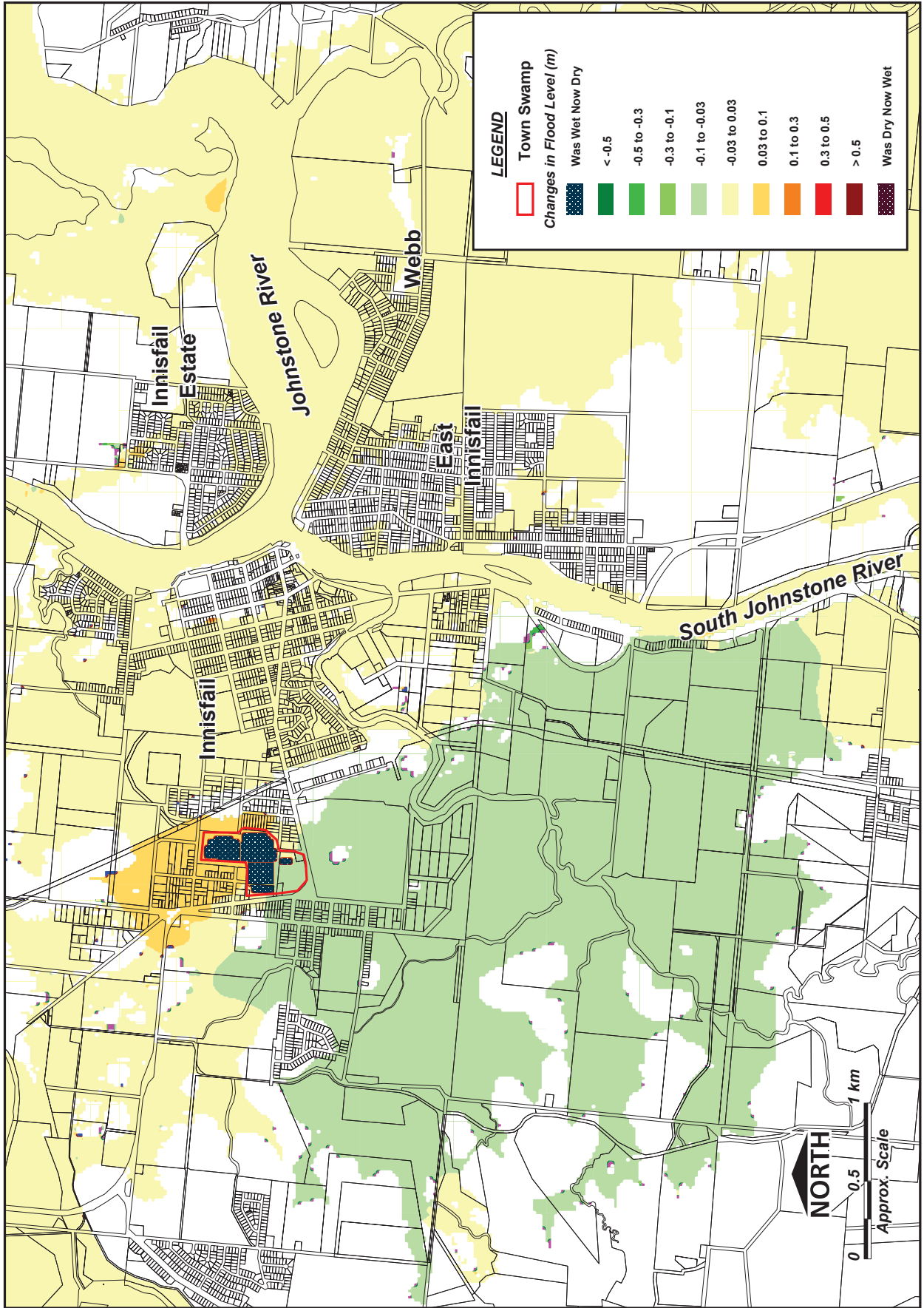
Impact of Removing Fill in Town Swamp on February 1999 Peak Flood Levels

Figure 7-8



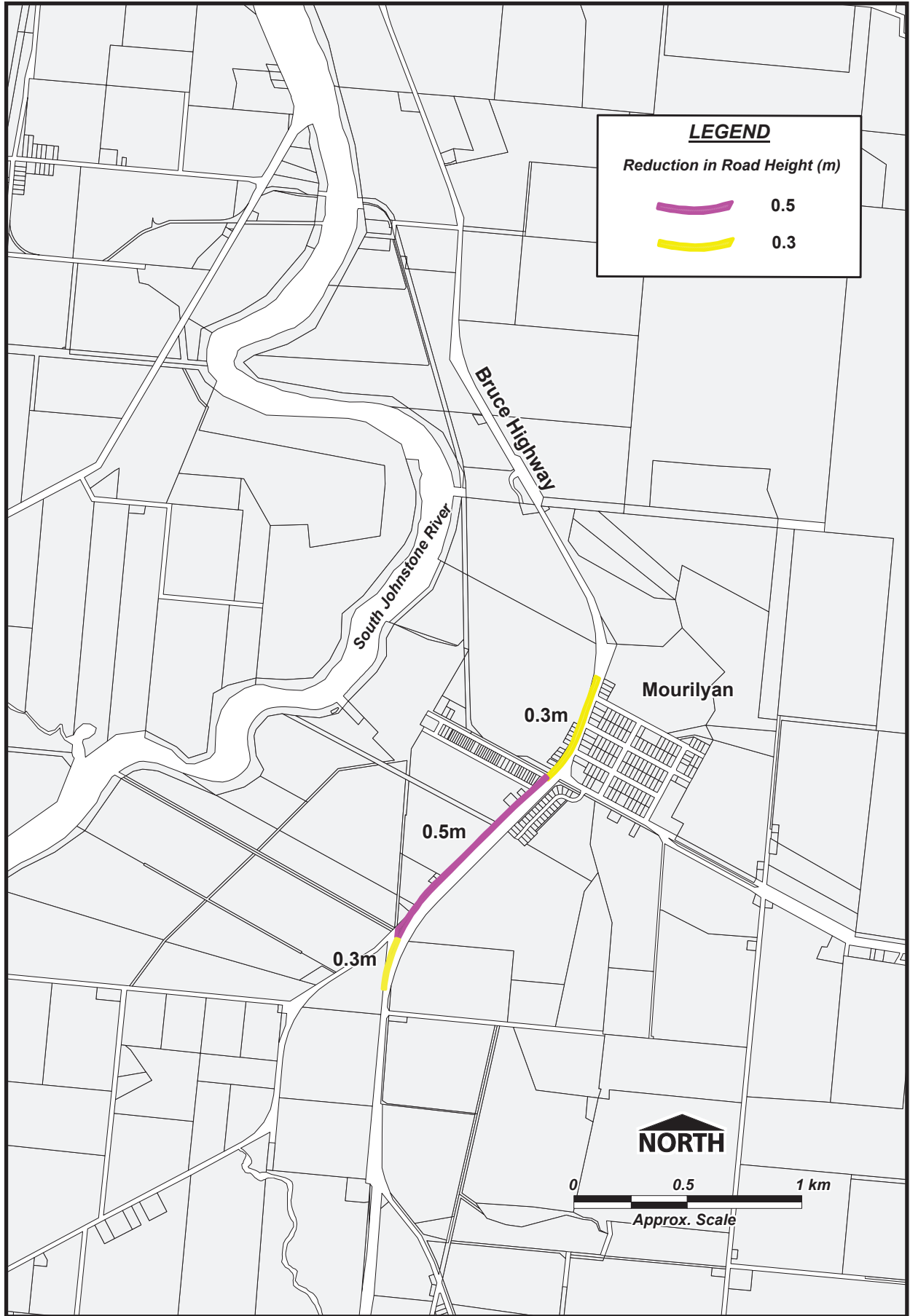
Impact of Removing Fill in Town Swamp on 50 Year ARI Peak Flood Level

Figure 7-9



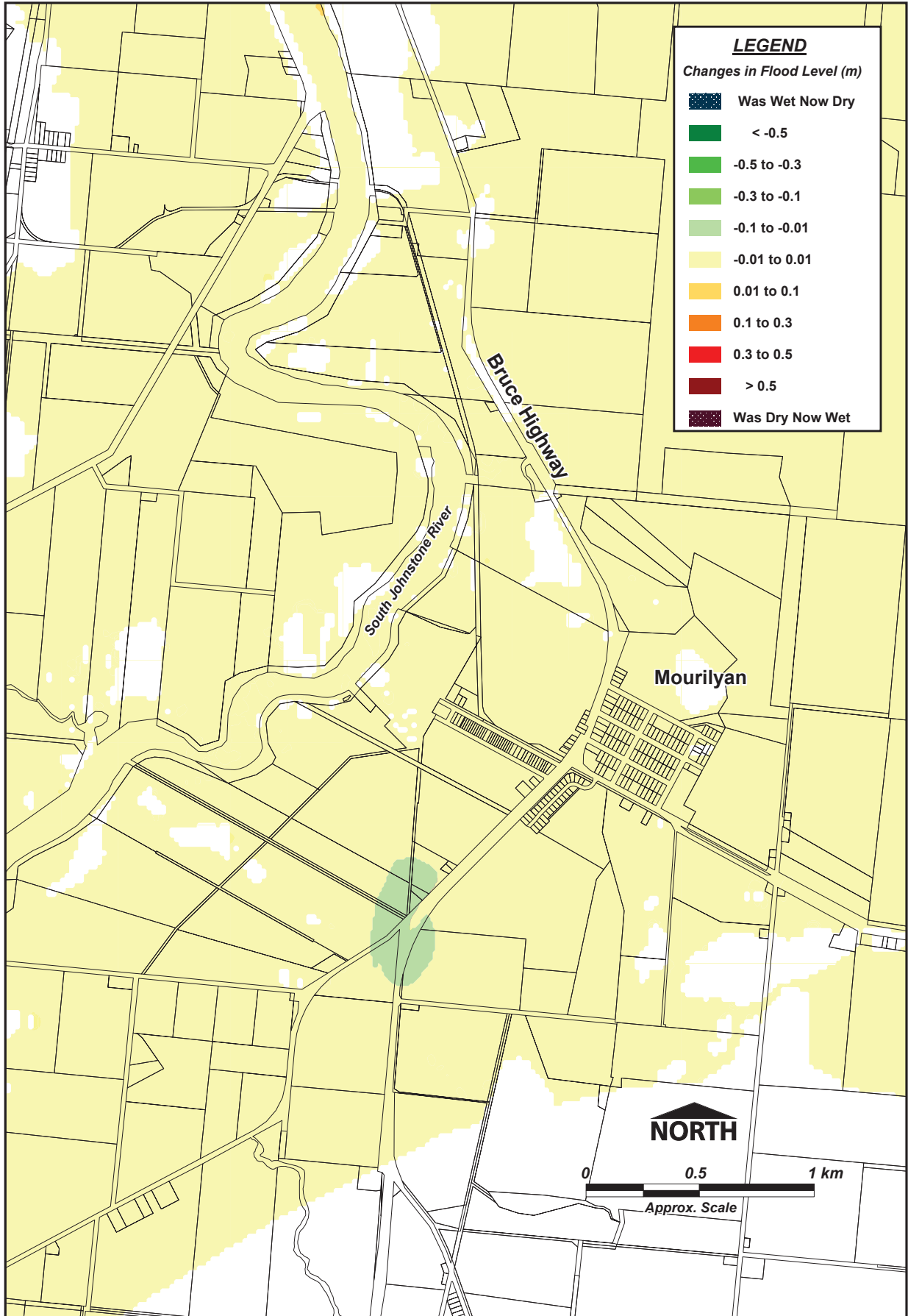
Impact of Removing Fill in Town Swamp on 50 Year ARI Flood Levels at 33 Hours

Figure 7-10



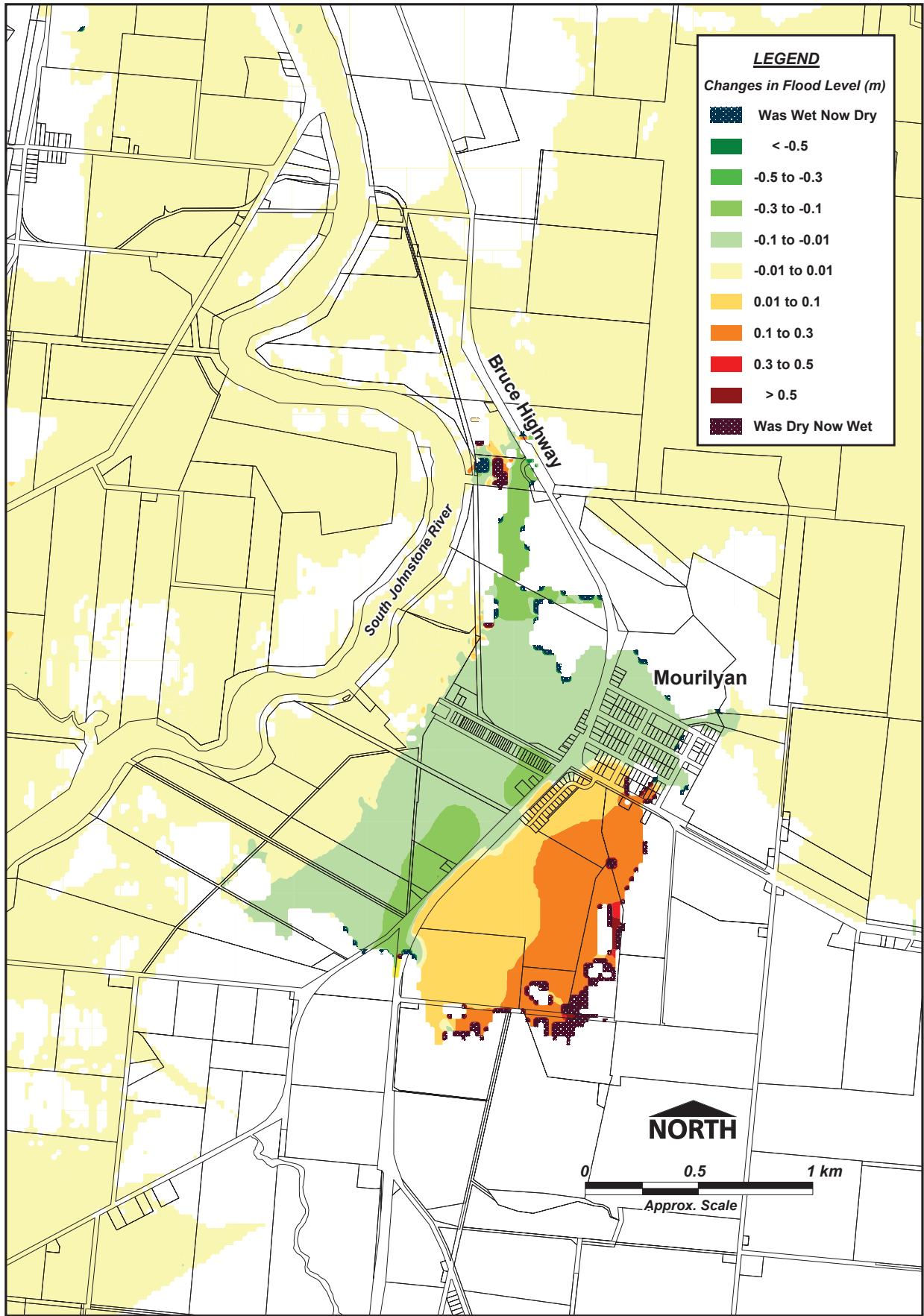
Lowering of Bruce Highway at Mourilyan

Figure 7-11



**Impact of Lowering Bruce Highway at Mourilyan
on 100 Year ARI Peak Flood Levels**

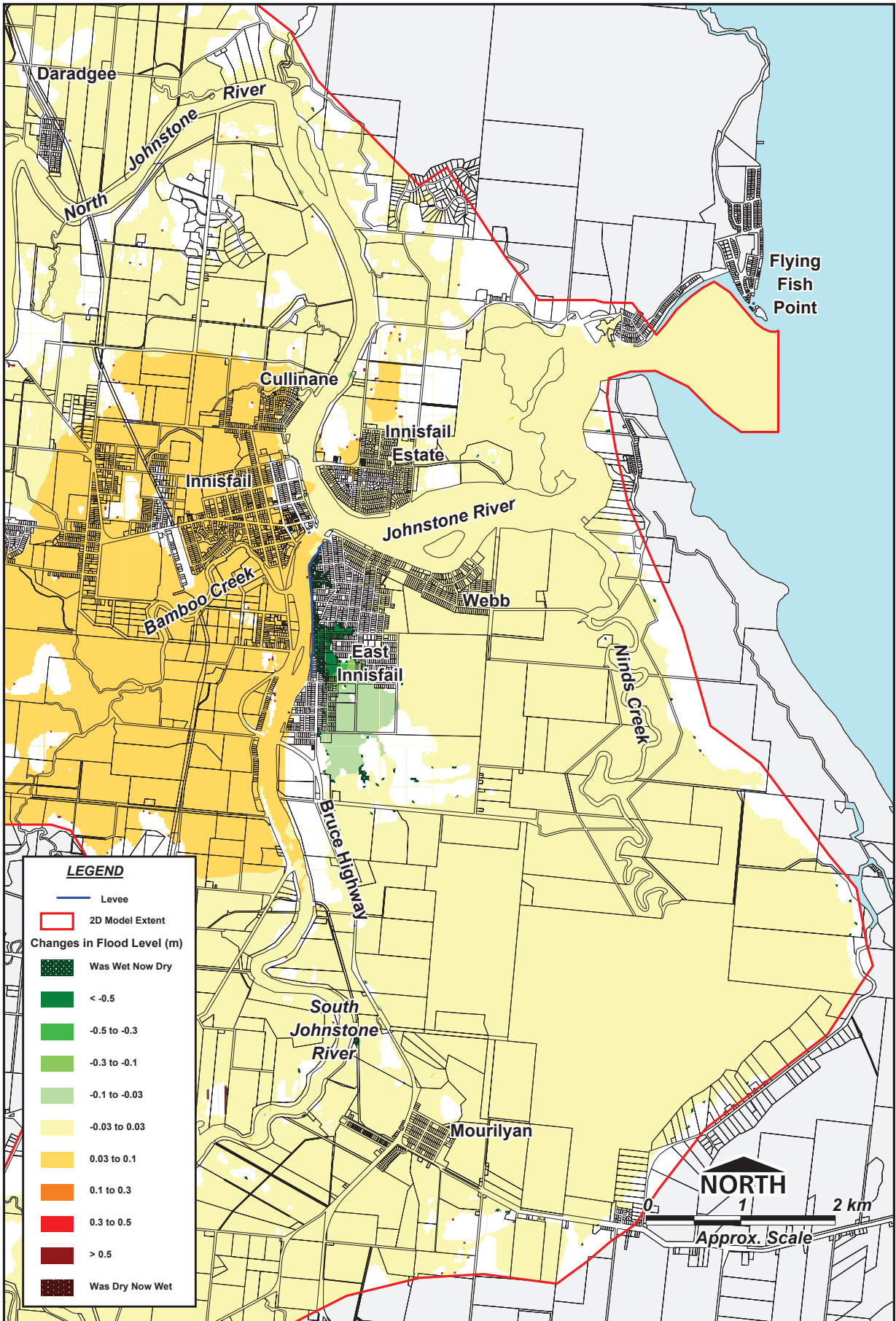
Figure 7-12



**Impact of Lowering Bruce Highway at Mourilyan
on 100 Year ARI Flood Levels at 28 Hours
(Approx. Equivalent to 50 Year ARI)**

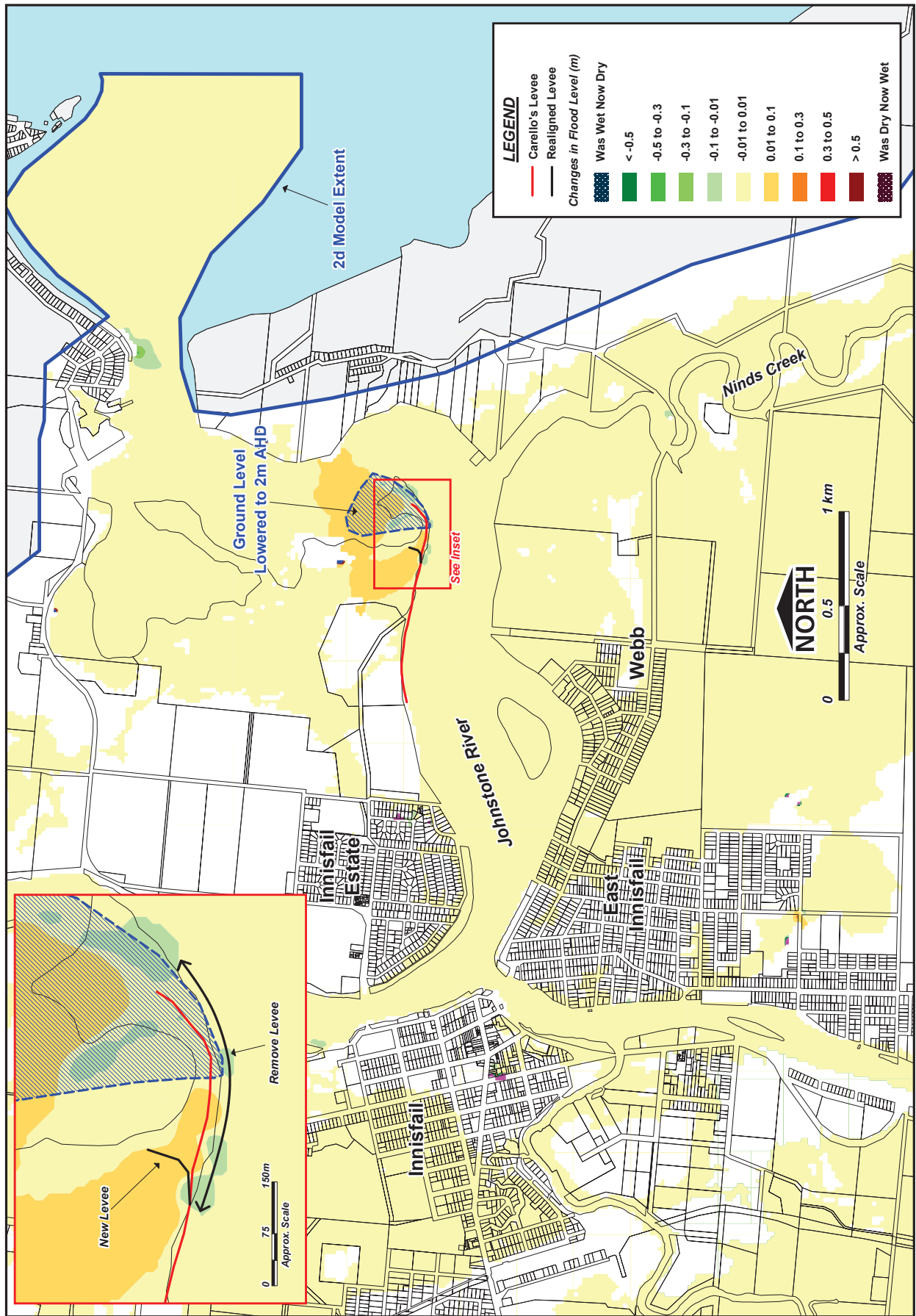
Figure 7-13

8 FLOOD MODIFICATION MEASURES



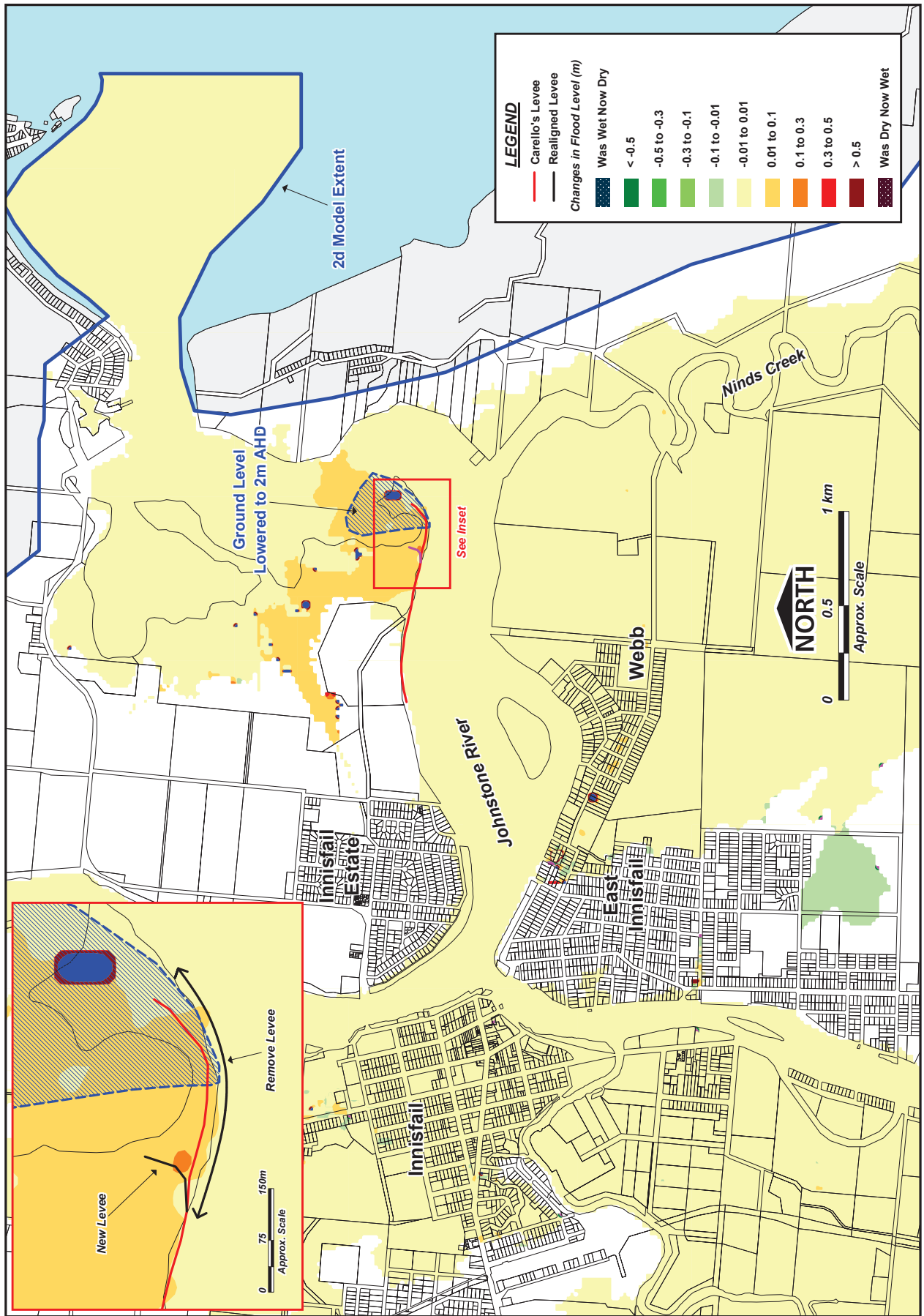
Impact of East Innisfail Levee on Peak 100 Year ARI Flood Levels

Figure 8-1



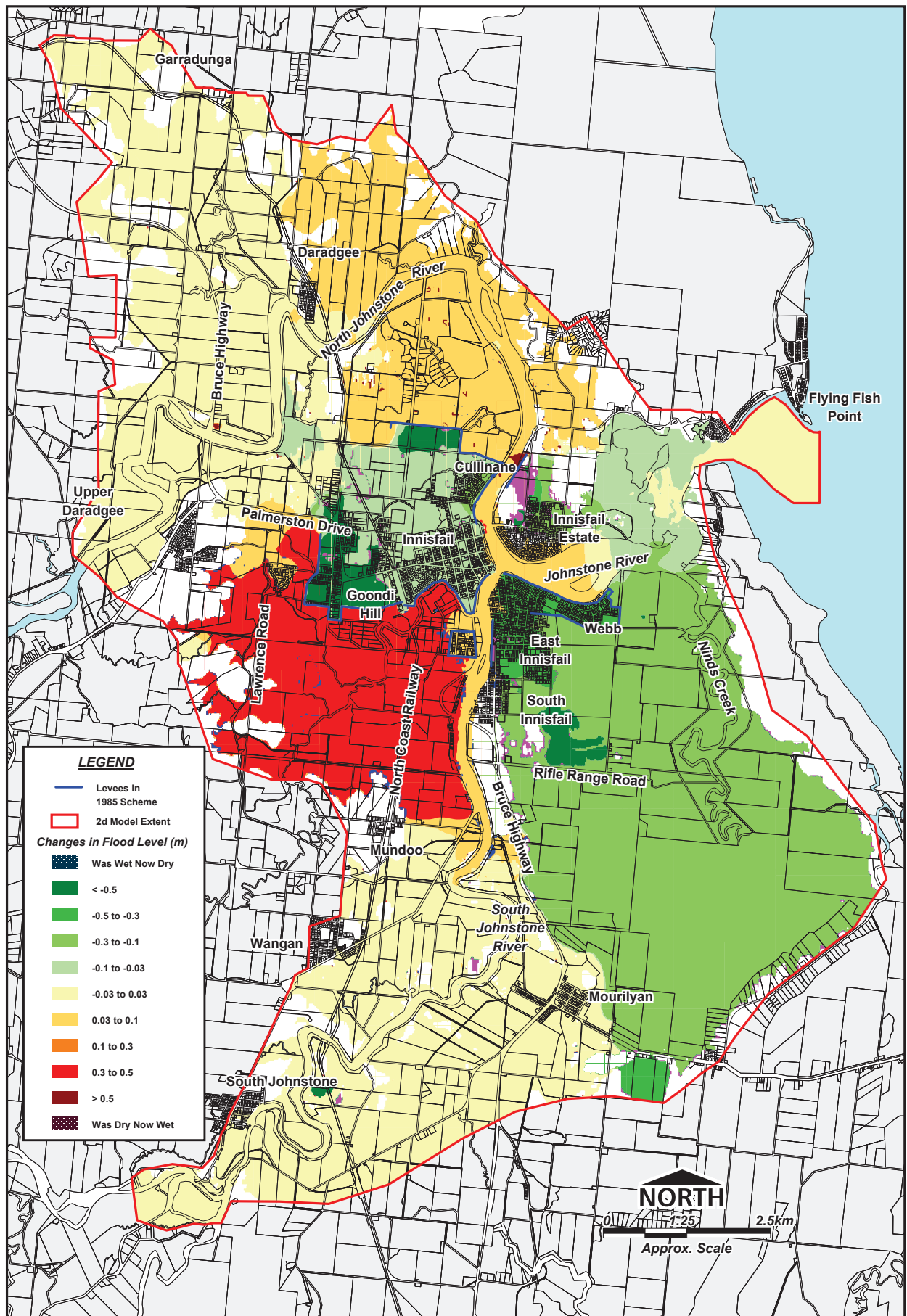
Impact of Modified Carello's Levee on February 1999 Peak Flood Levels

Figure 8-2



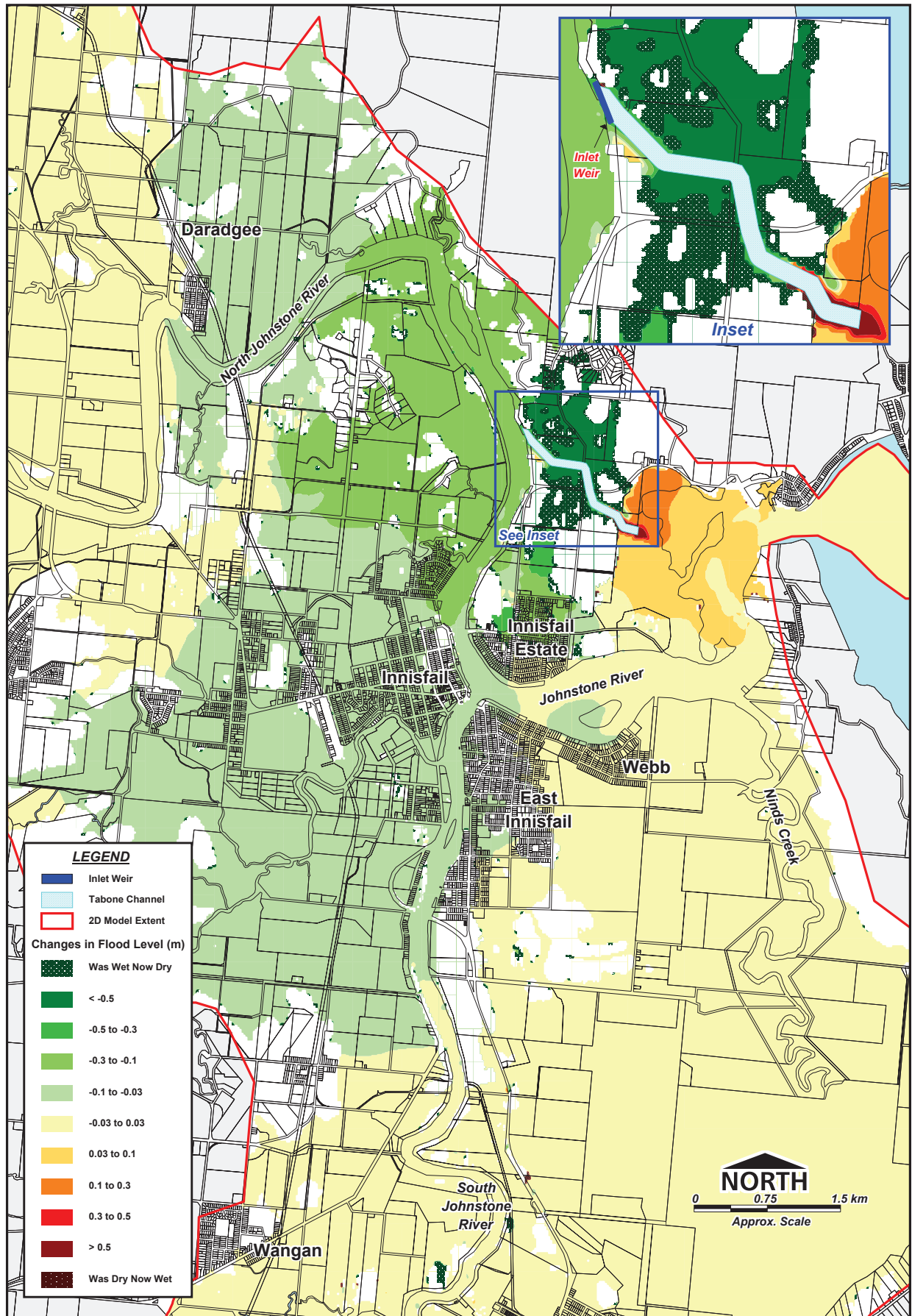
Impact of Modified Carello's Levee on February 1999 Flood Levels at 20 Hours

Figure 8-3



Impact of 1985 Levee Scheme on 100 Year ARI Peak Flood Levels

Figure 8-4



Impact of Tabone Channel on Peak 100 Year ARI Flood Levels

Figure 8-5