

492000

493000

494000

495000

6718000

6718000

6717000

6717000

6716000

6716000

6715000

6715000

6714000

6714000






492000

493000

494000

495000



	Proposed Construction Work Zone		High
	Proposed Levee Construction Work Zone		Moderate
	Known Habitat		Low
			Unlikely

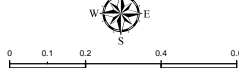


Source: Aerial Photo: RMS September 2010  
 Work Zones: RMS 2015  
 Coastal database: RMS 2015

Disclaimer: This plan is based on or contains data provided by others. GeoView gives no warranty in relation to the data (including accuracy, reliability, completeness, currency or suitability) and accepts no liability (including without limitation, liability in negligence) for any loss, damage or costs (including consequential damage) relating to and use of the data. Data must not be used for direct marketing or be used in breach of privacy laws.

File: 2751516-FIG3-3-TTST-Habitat-Suitability-160428

Three-toed Snake Tooth  
 Skink Habitat: Lewis  
 Ecological 2016



0 0.1 0.2 0.4 0.6  
 Kilometers

A4 Scale 1:20,000

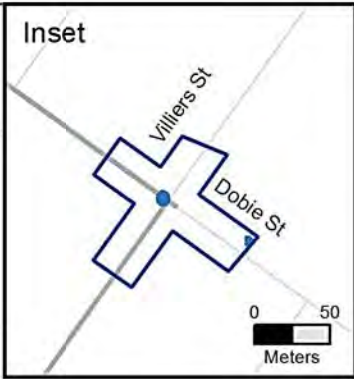
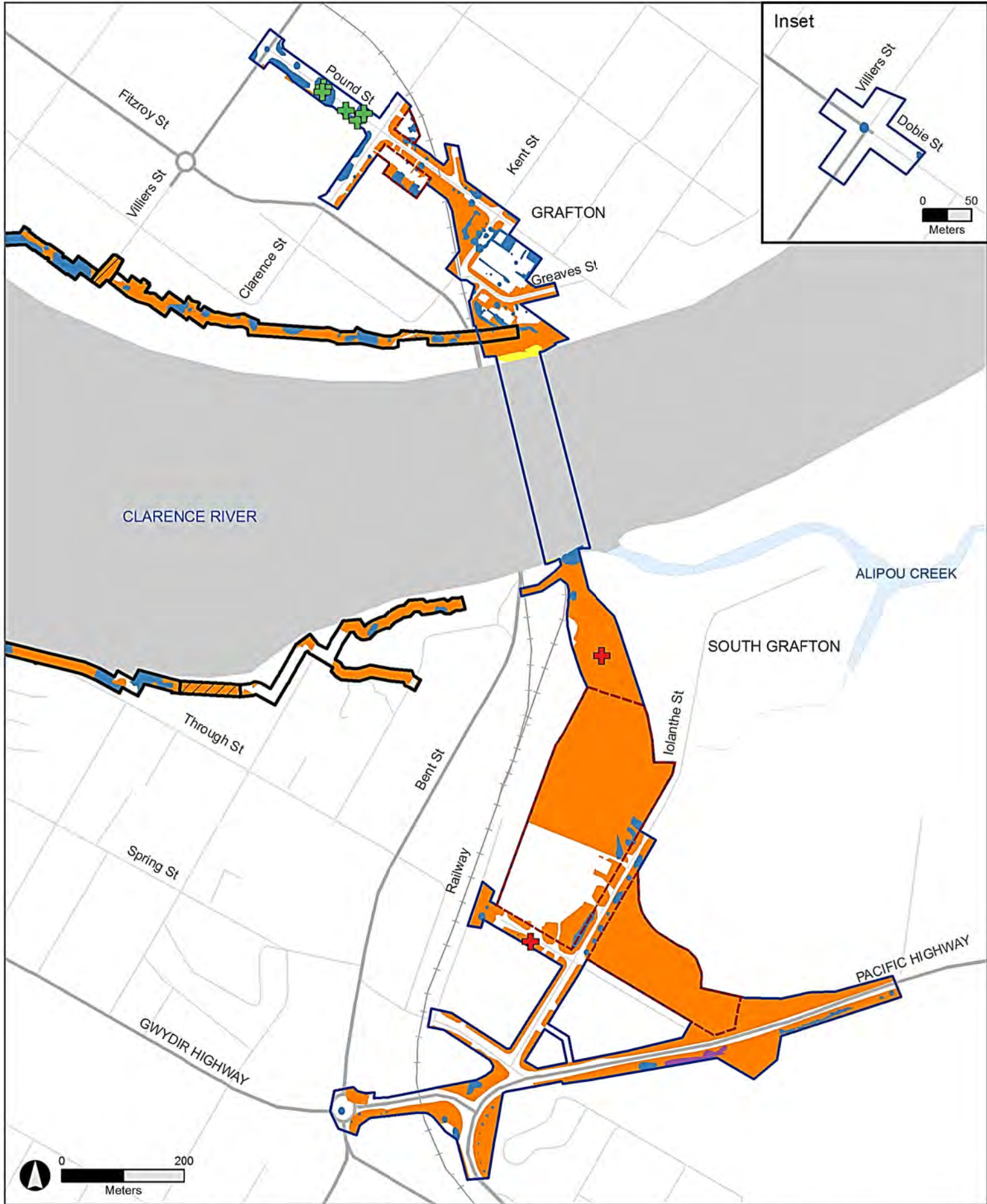
Coordinate System: MGA56 Projection: Transverse Mercator

## HABITAT SUITABILITY AND LIKELIHOOD FOR THE THREE-TOED SNAKE TOOTH SKINK (*SAIPHOS RETICULATUS*)









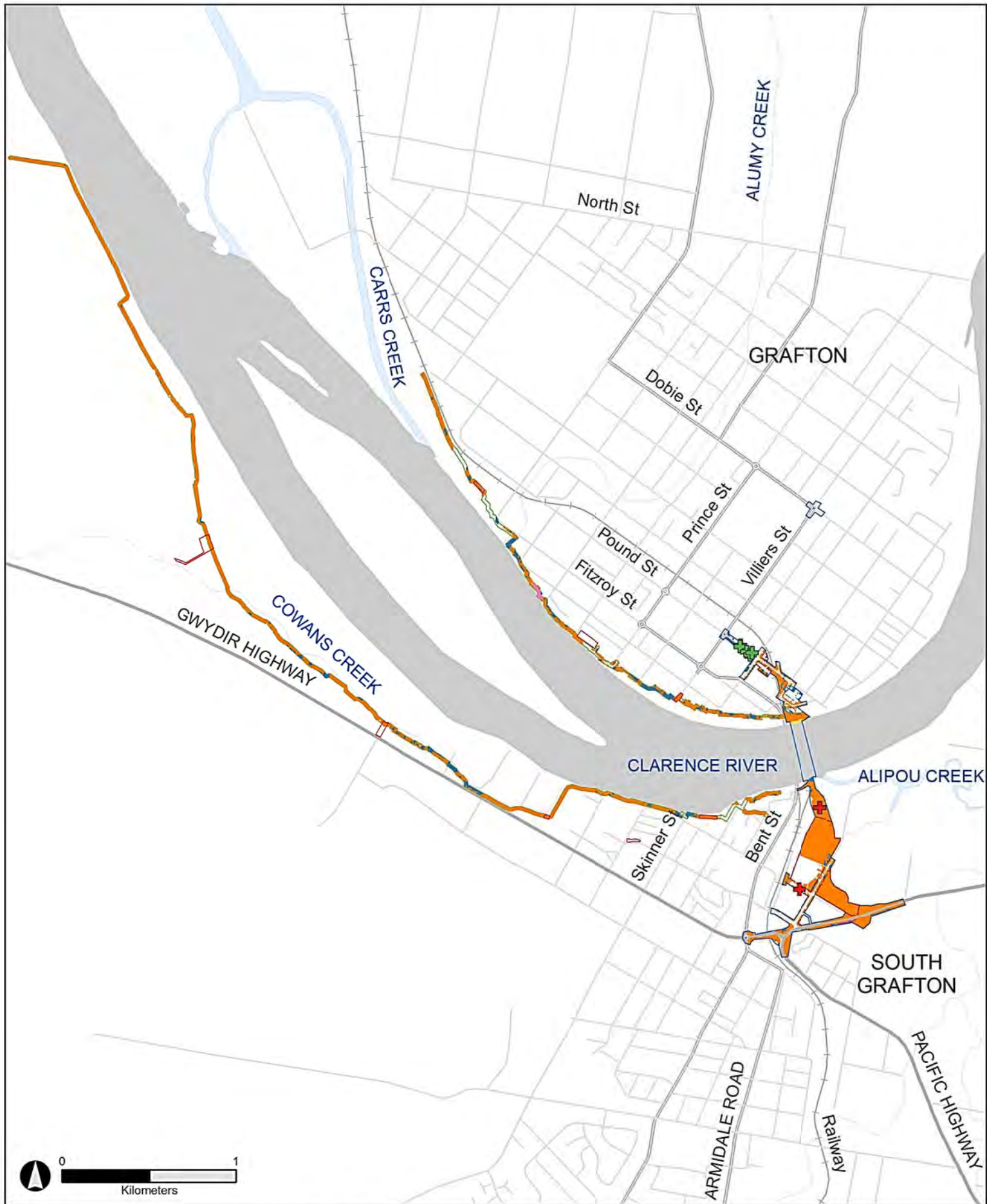
- Construction work zone
- Ancillary sites
- Potential habitat**
- + Habitat tree
- + Hollow-bearing tree

- Other vegetation types**
- Native and exotic plantings
- Weeds and exotics
- Remnant eucalypts
- Stockpile area for levee works
- Flood mitigation construction work zone

- Threatened ecological communities**
- Freshwater wetlands on coastal floodplain TEC
- Sub-tropical coastal floodplain forest TEC

- Groundwater dependent ecosystem reliant on surface expression of groundwater (rivers, springs, wetland)**
- Clarence River





- Construction work zone
- Ancillary sites
- Flood mitigation construction work zone
- Indicative stockpile areas for levee works

**Potential habitat**

- + Habitat tree
- + Hollow-bearing tree

**Threatened ecological communities**

- Freshwater wetlands on coastal floodplain TEC
- Sub-tropical coastal floodplain forest TEC

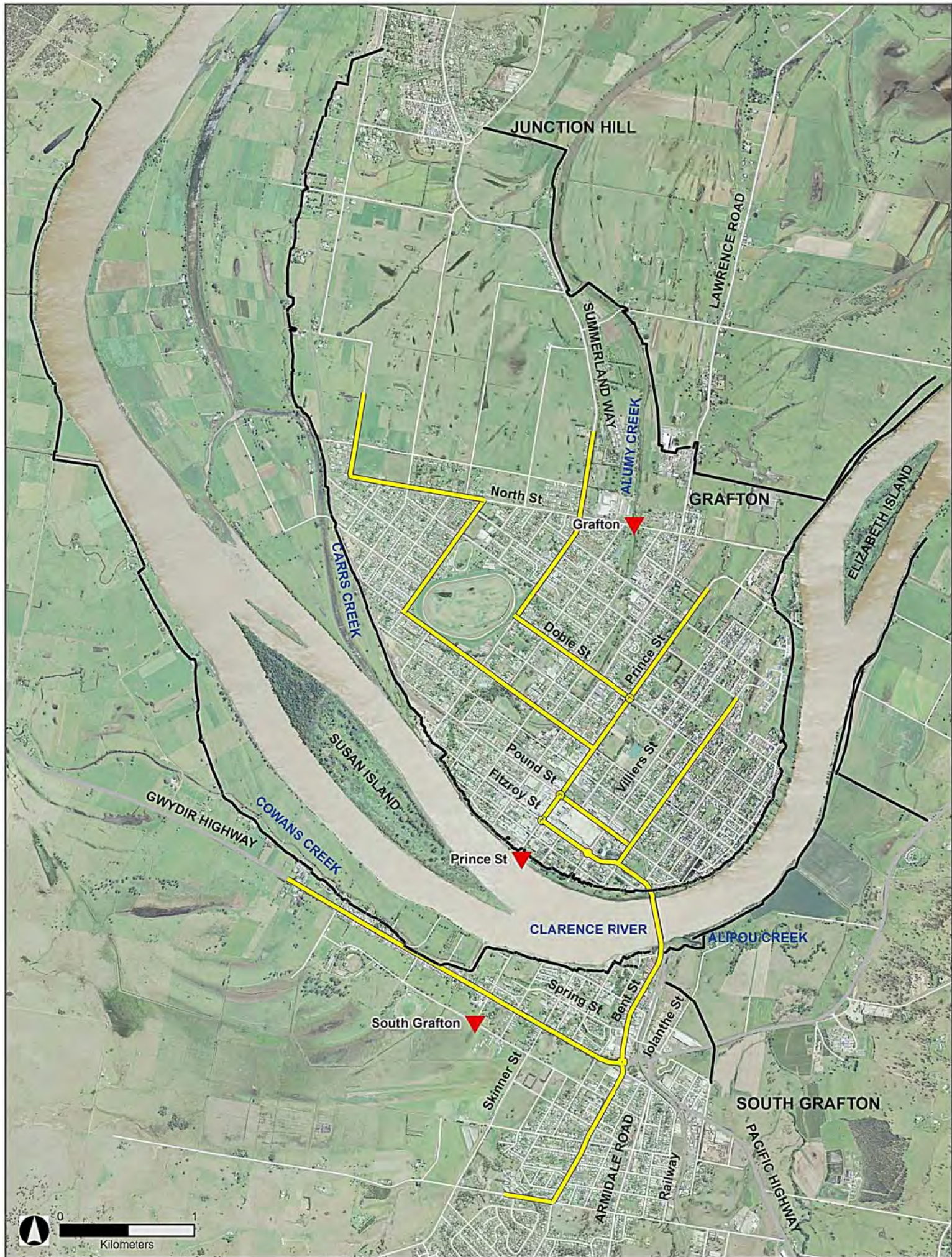
**Other vegetation types**




- Native and exotic plantings
- Weeds and exotics
- Remnant eucalypts

**Groundwater dependent ecosystem reliant on surface expression of groundwater (rivers, springs, wetland)**

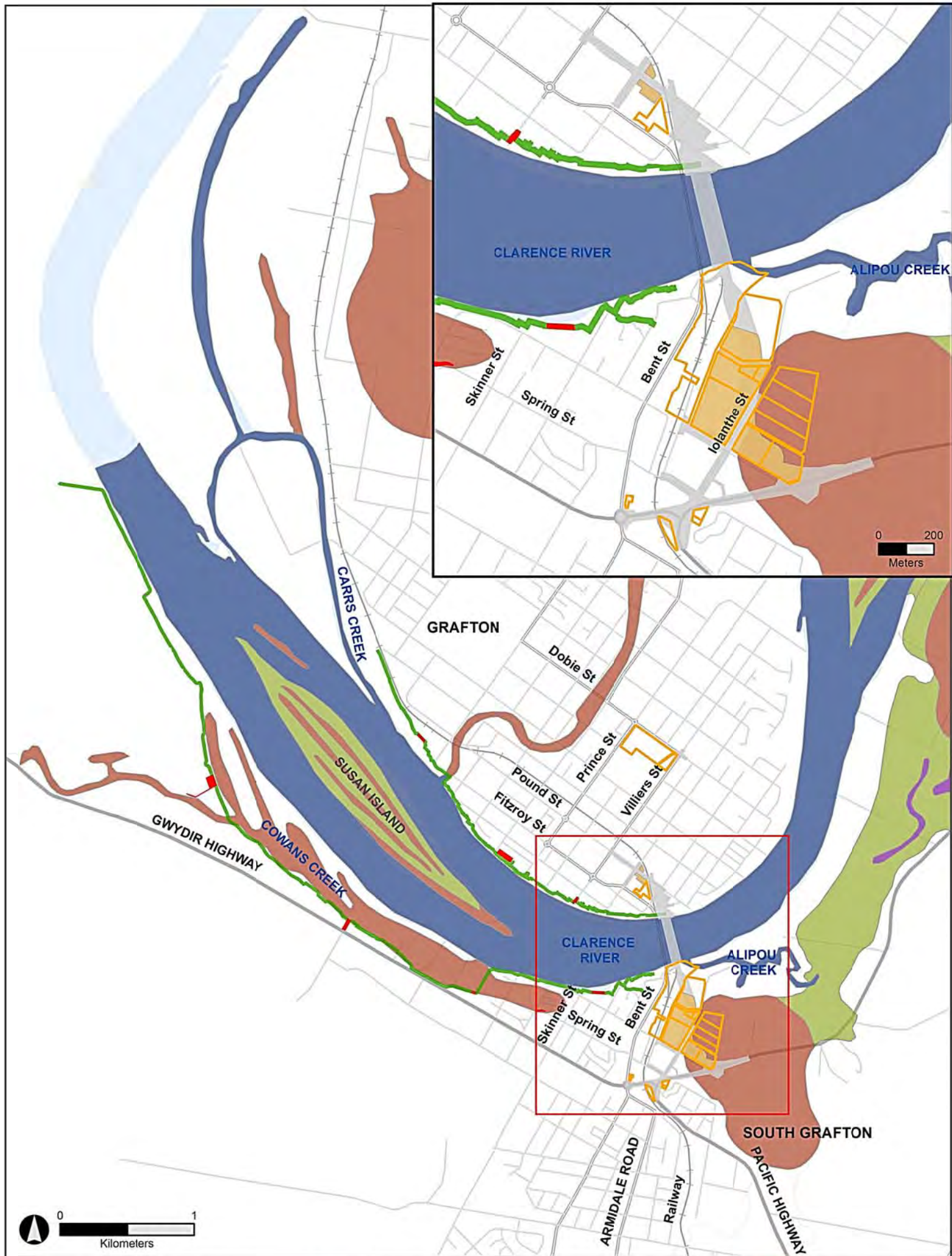
- Clarence River





-  Existing levees
-  Gauge locations
-  Flood evacuation routes





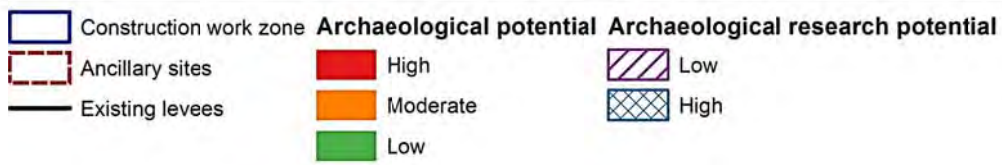
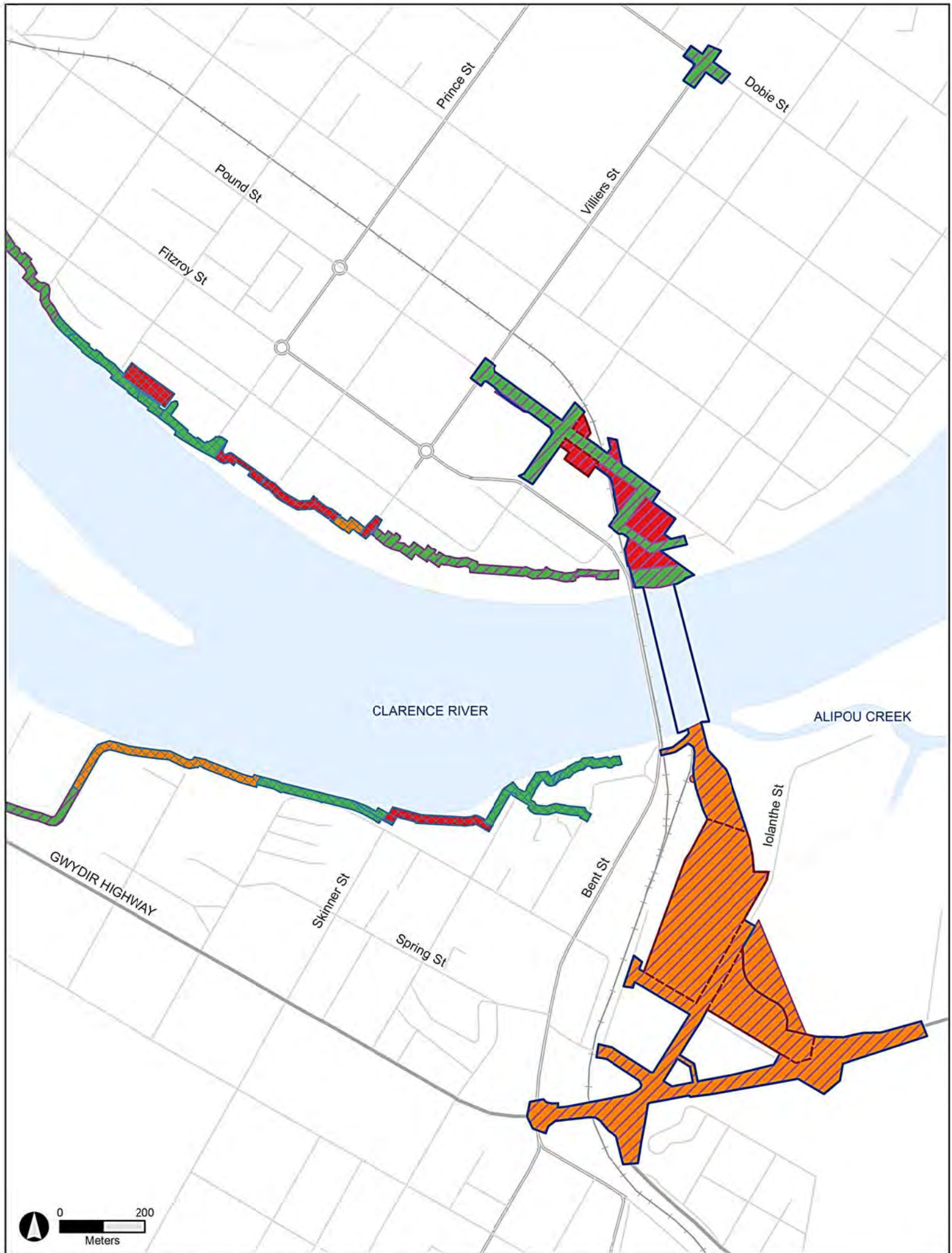
- Construction work zone
- Ancillary sites
- Flood mitigation construction work zone
- Stockpile areas for levee works

- Potentially contaminated sites**
- Parcels of land potentially contaminated

- Acid sulfate soil high risk areas**
- High Risk 1 - 2 m

- High Risk 2 - 4 m
- High Risk >4 m
- High Risk Estuarine





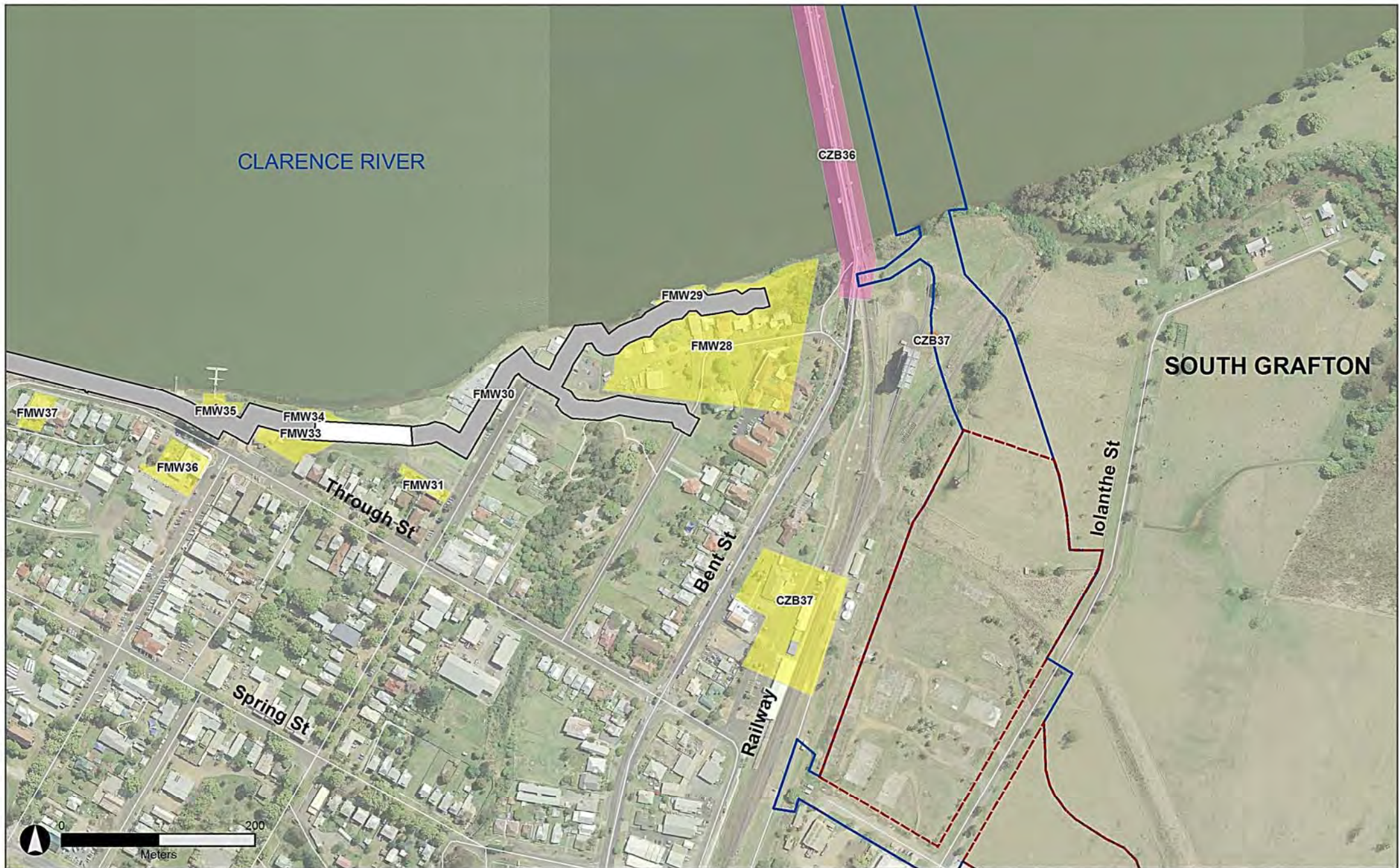




- |                         |                                    |   |
|-------------------------|------------------------------------|---|
| Construction work zone  | Indirect impact - noise and visual | Stockpile area for levee works          |
| Ancillary sites         | Indirect impact - visual           | Flood mitigation construction work zone |
| Direct impact - whole   | Indirect impact - noise            |   |
| Direct impact - partial | No Impact                          |   |







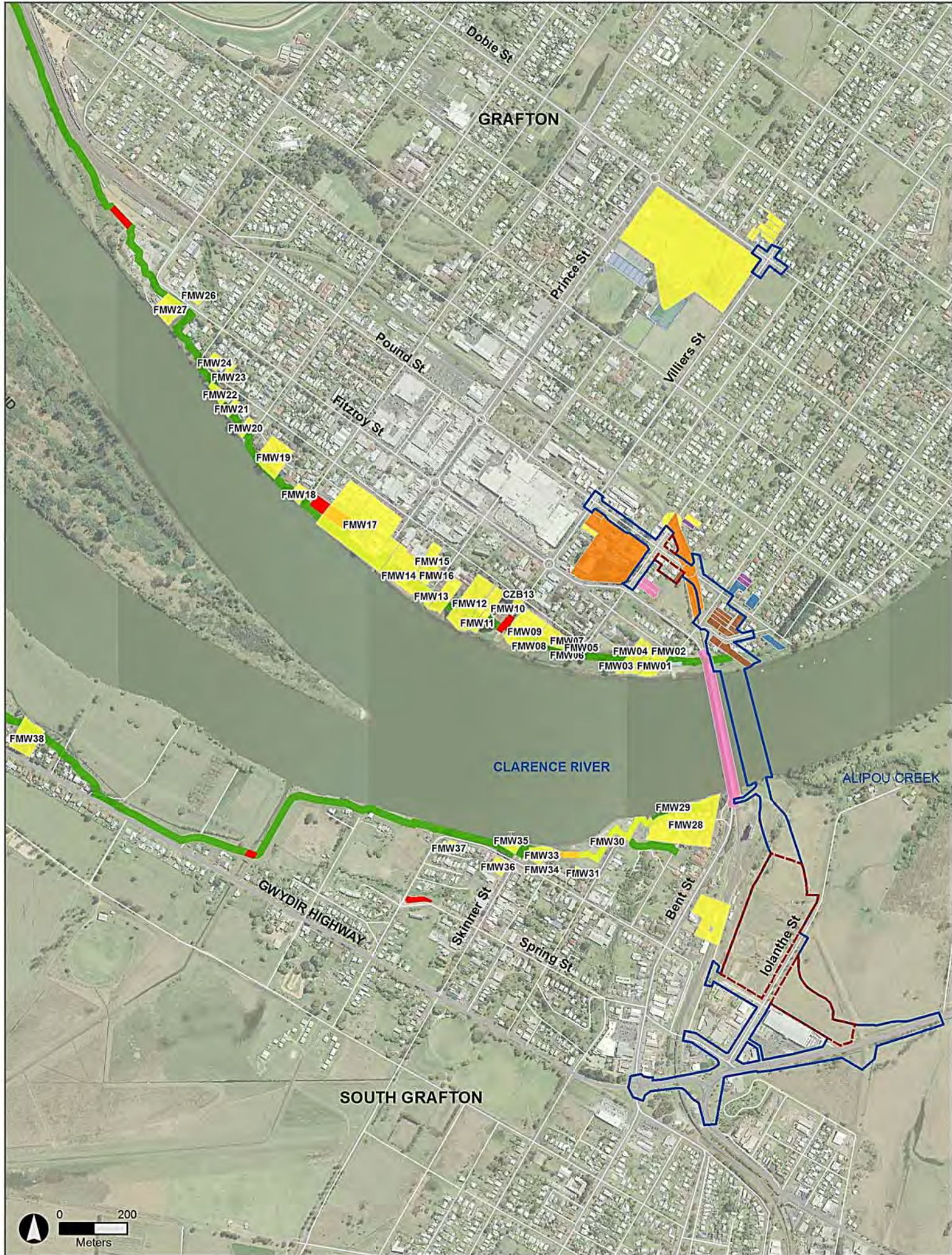
CLARENCE RIVER











SOUTH GRAFTON

- |                         |                                    |   |
|-------------------------|------------------------------------|---|
| Construction work zone  | Indirect impact - noise and visual | Stockpile area for levee works          |
| Ancillary sites         | Indirect impact - visual           | Flood mitigation construction work zone |
| Direct impact - whole   | Indirect impact - noise            |   |
| Direct impact - partial | No Impact                          |   |







- |  |  |   |                                    |   |                          |
|--|--|---|------------------------------------|---|--------------------------|
|  | Ancillary sites                            |  | Direct impact - whole              |  | Indirect impact - visual |
|  | Construction work zone                     |  | Direct impact - partial            |  | Indirect impact - noise  |
|  | Indicative stockpile areas for levee works |  | Indirect impact - noise and visual |  | No Impact                |
|  | Flood mitigation construction work zone    |   |                                    |   |                          |





**HABITAT PROTECTION OPPORTUNITIES DURING CONSTRUCTION**

AREA 1	TWO RESIDENCES TO BE RETAINED, WILL HAVE SKINK FENCE TO MAXIMISE SKINK HABITAT ADJACENT TO THE PROJECT
AREA 2	RETAINED AS MUCH YARD AS POSSIBLE FOR SKINK HABITAT TAKING INTO ACCOUNT HOUSE DEMOLITION
AREA 2A	HOUSE DEMOLITION WILL LIKELY IMPACT THE AREA, GARDENS MAY BE RESTORED
AREA 3	RETENTION OF AS MUCH SKINK HABITAT AS POSSIBLE, TAKING INTO ACCOUNT AREAS NEEDED TO BUILD THE BRIDGE. OPPURTUNITIES TO KEEP SUITABLE TTSTS HABITAT IN THIS AREA WILL BE EXPLORED BY THE CONSTRUCTION CONTRACTOR, ECOLOGIST AND RMS
AREA 4	RETAINED AREAS OF SKINK HABITAT, SUBJECT TO HOUSE DEMOLITION, ACCESS, FLOOD WATER PIPES AND PROJECT WORKS, A DIFFICULT RETENSION AREA
AREA 5	POTENTIAL NEW SKINK HABITAT ONLY, FURTHER DISCUSSION WITH CVC NEEDED, OPPORTUNITIES WILL BE EXPLORED WITH CONSTRUCTION CONTRACTOR AND PROJECT ECOLOGIST

NOTE - IN SOME CASES, HABITAT RETENTION MAY NEED REFINEMENT TAKING INTO ACCOUNT DETAILED DESIGN AND CONSTRUCTION. OPPURTUNITIES TO KEEP SUITABLE TTSTS HABITAT WILL BE EXPLORED BY THE CONSTRUCTION CONTRACTOR, ECOLOGIST AND RMS

**LEGEND**

<span style="color: orange;">■</span>	PROTECTION AREA 1
<span style="color: blue;">■</span>	PROTECTION AREA 2
<span style="color: green;">■</span>	PROTECTION AREA 3
<span style="color: yellow;">■</span>	PROTECTION AREA 4
<span style="color: cyan;">■</span>	POTENTIAL PROTECTION AREA 5
<span style="color: green;">—</span>	TTSTS IMPACT AREAS WITHIN CONSTRUCTION BOUNDARY
<span style="color: blue;">—</span>	LOCAL ROAD WORKS AREAS BOUNDARY
<span style="color: yellow;">—</span>	PROPOSED LEVEE WORKS