

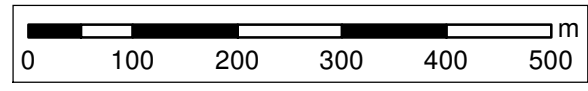
FIGURE 19
HYDRAULIC CATEGORIES
5Y ARI DESIGN FLOOD EVENT



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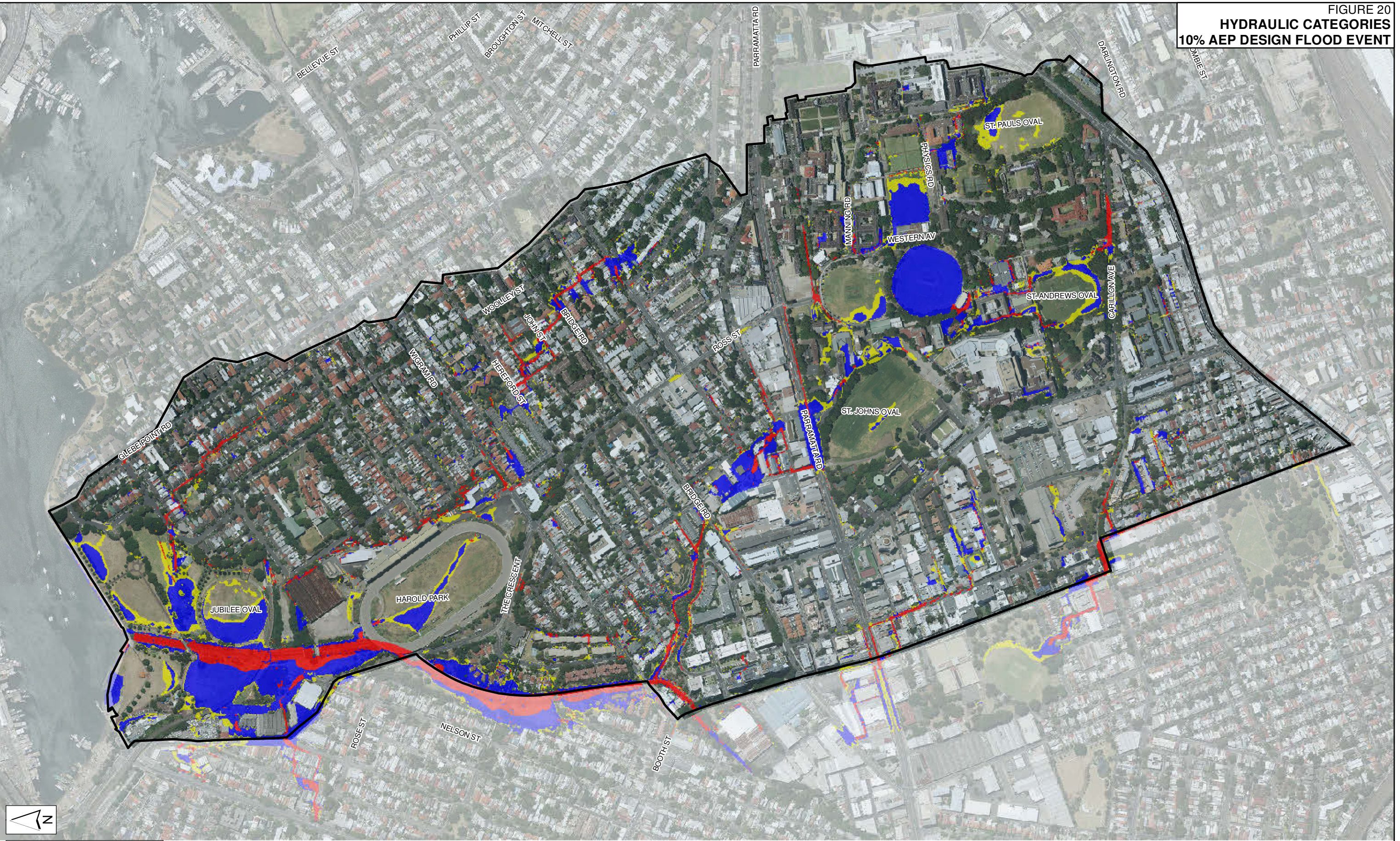


- Study Area
- Hydraulic Categorisation**
- Floodway
- Flood Storage
- Flood Fringe



Disclaimer:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm flood affectation at individual allotments.

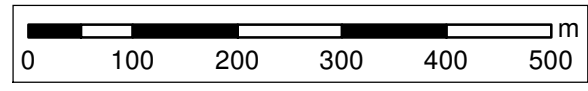
FIGURE 20
HYDRAULIC CATEGORIES
10% AEP DESIGN FLOOD EVENT



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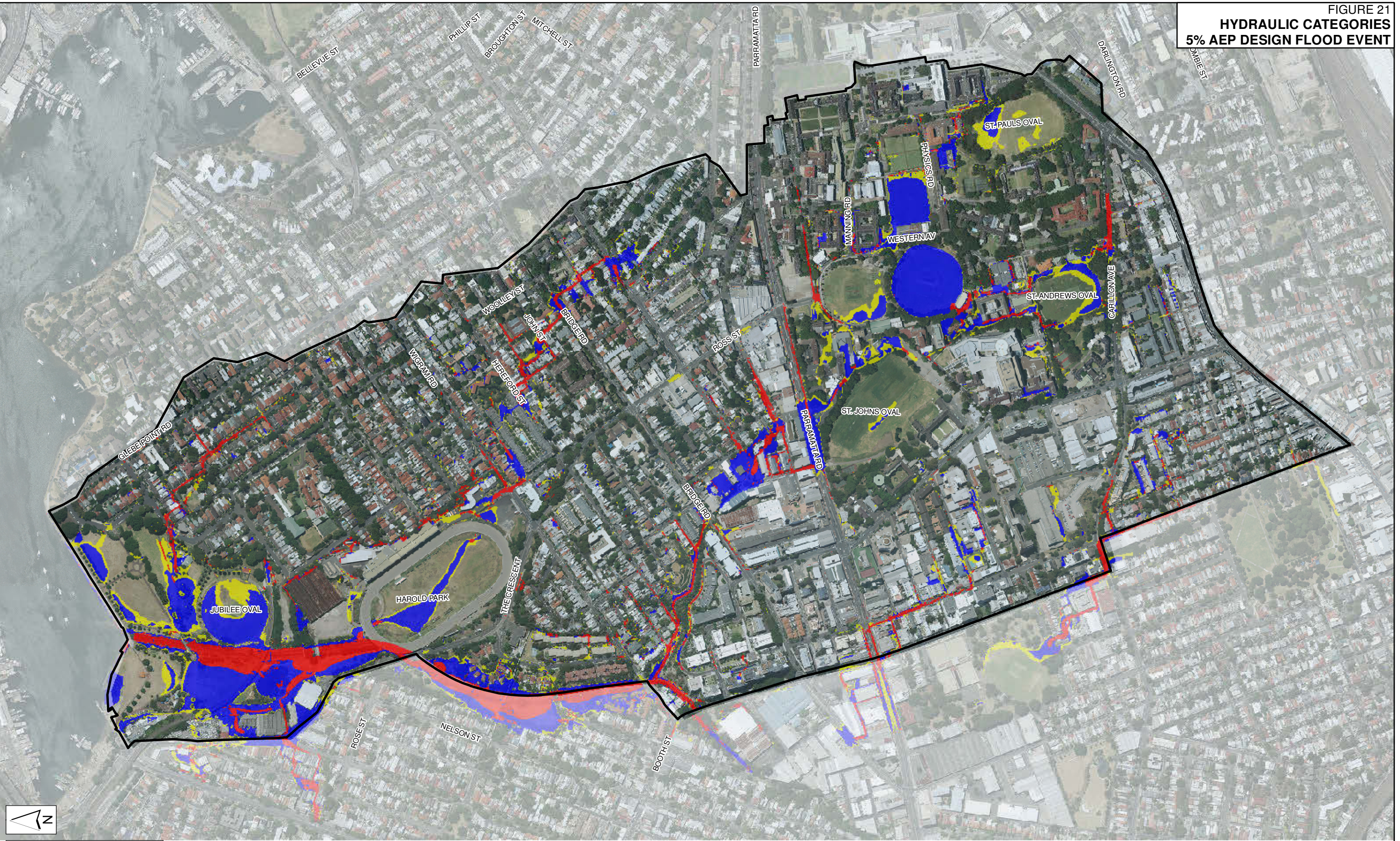


- Study Area
- Hydraulic Categorisation**
- Floodway
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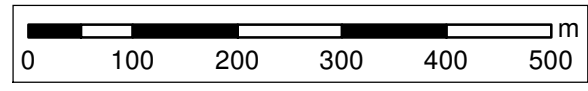
FIGURE 21
HYDRAULIC CATEGORIES
5% AEP DESIGN FLOOD EVENT



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- Study Area
- Hydraulic Categorisation**
- Floodway
- Flood Storage
- Flood Fringe



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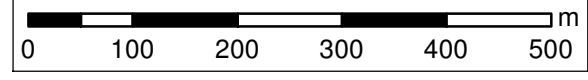
FIGURE 22
HYDRAULIC CATEGORIES
2% AEP DESIGN FLOOD EVENT



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- Study Area
- Hydraulic Categorisation**
- Floodway
- Flood Storage
- Flood Fringe



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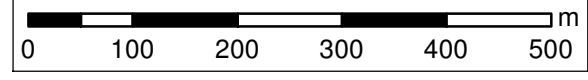
FIGURE 23
HYDRAULIC CATEGORIES
1% AEP DESIGN FLOOD EVENT



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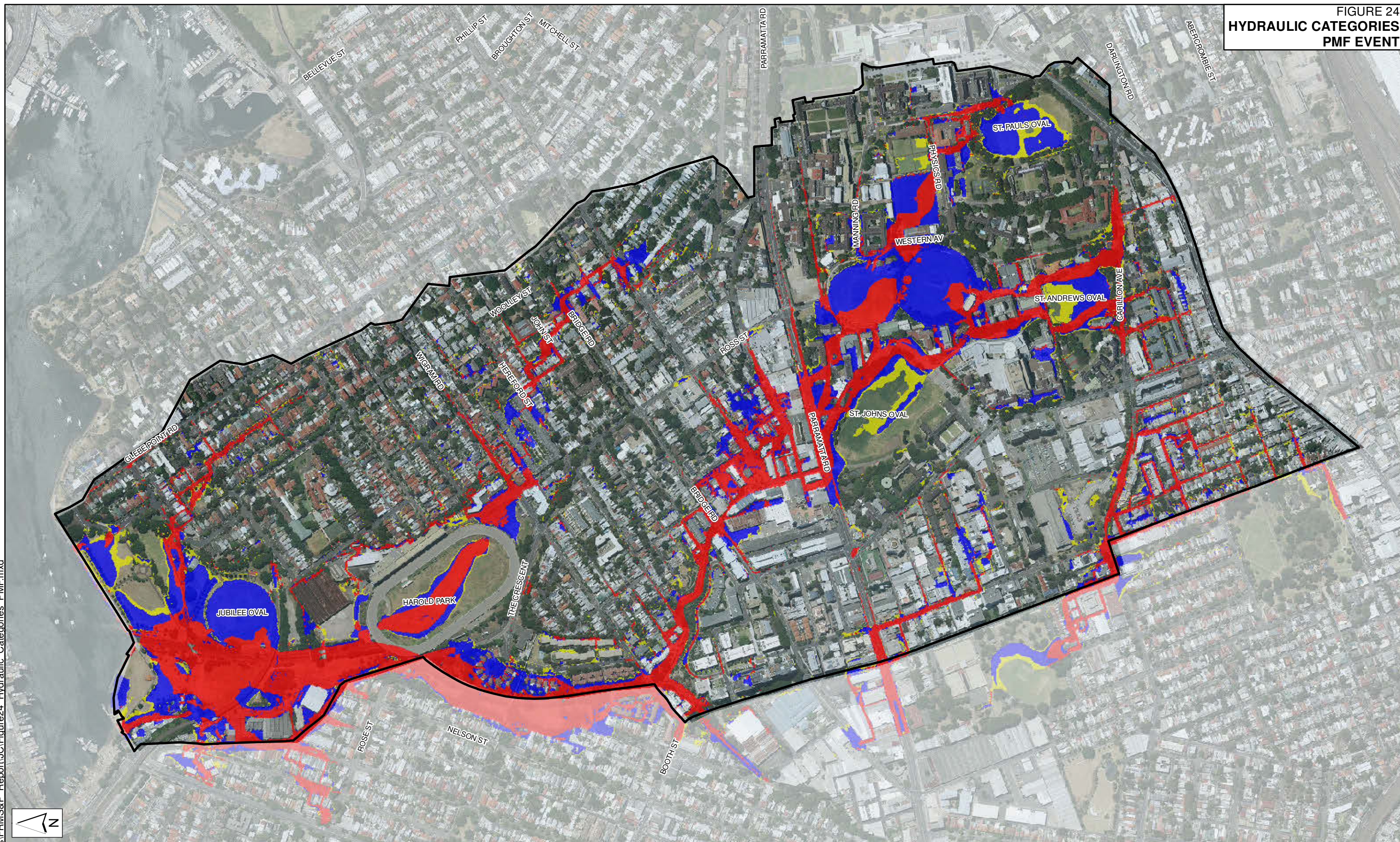


- Study Area
- Hydraulic Categorisation**
- Floodway
- Flood Storage
- Flood Fringe



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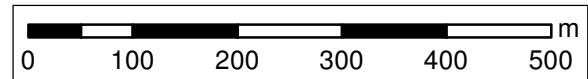
FIGURE 24
HYDRAULIC CATEGORIES
PMF EVENT



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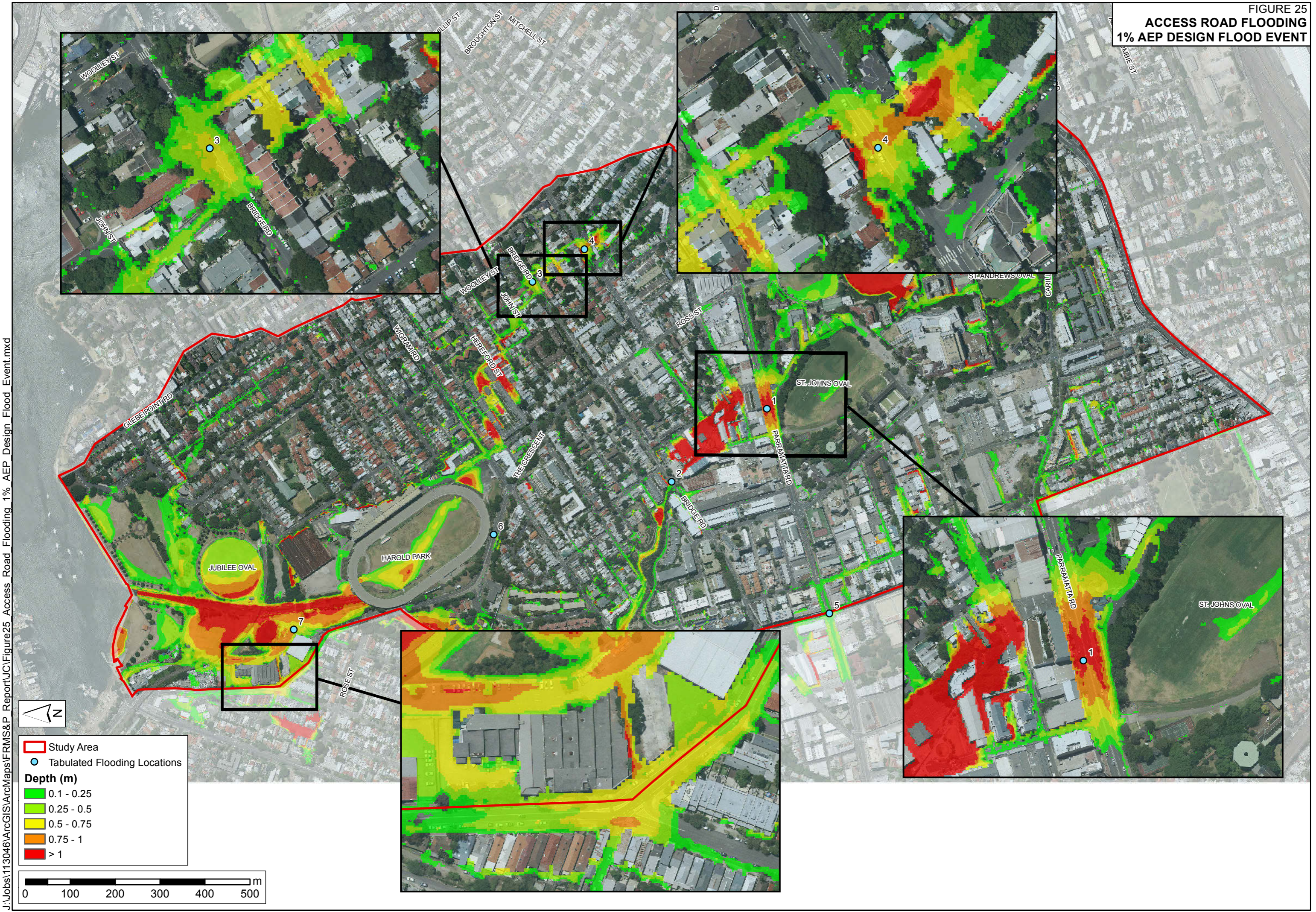


- Study Area
- Hydraulic Categorisation**
- Floodway
- Flood Storage
- Flood Fringe



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ACCESS ROAD FLOODING
1% AEP DESIGN FLOOD EVENT



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- Study Area
 - Tabulated Flooding Locations
- Depth (m)**
- 0.1 - 0.25
 - 0.25 - 0.5
 - 0.5 - 0.75
 - 0.75 - 1
 - > 1

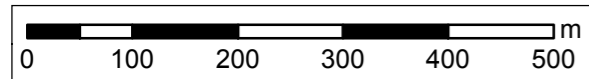


FIGURE 26
POSSIBLE LOCATIONS
OF EVACUATION CENTRES
JOHNSTONS CREEK CATCHMENT



Legend:

- Study Area
- Possible Evacuation Centres
- PMF Extent

Scale: 0 100 200 300 400 500 m

North Arrow

FIGURE 27
SES EMERGENCY RESPONSE
PLANNING CLASSIFICATIONS

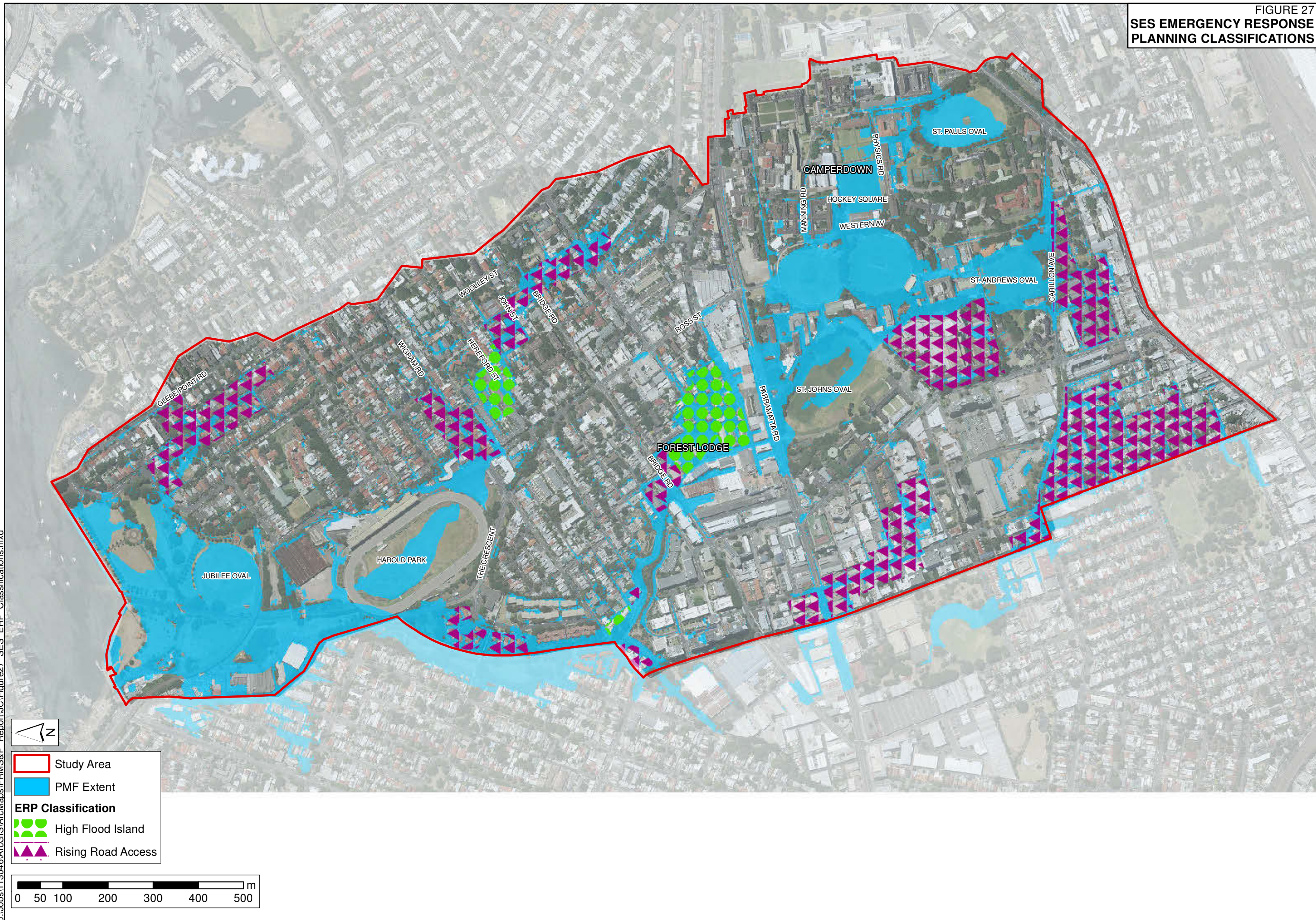
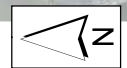
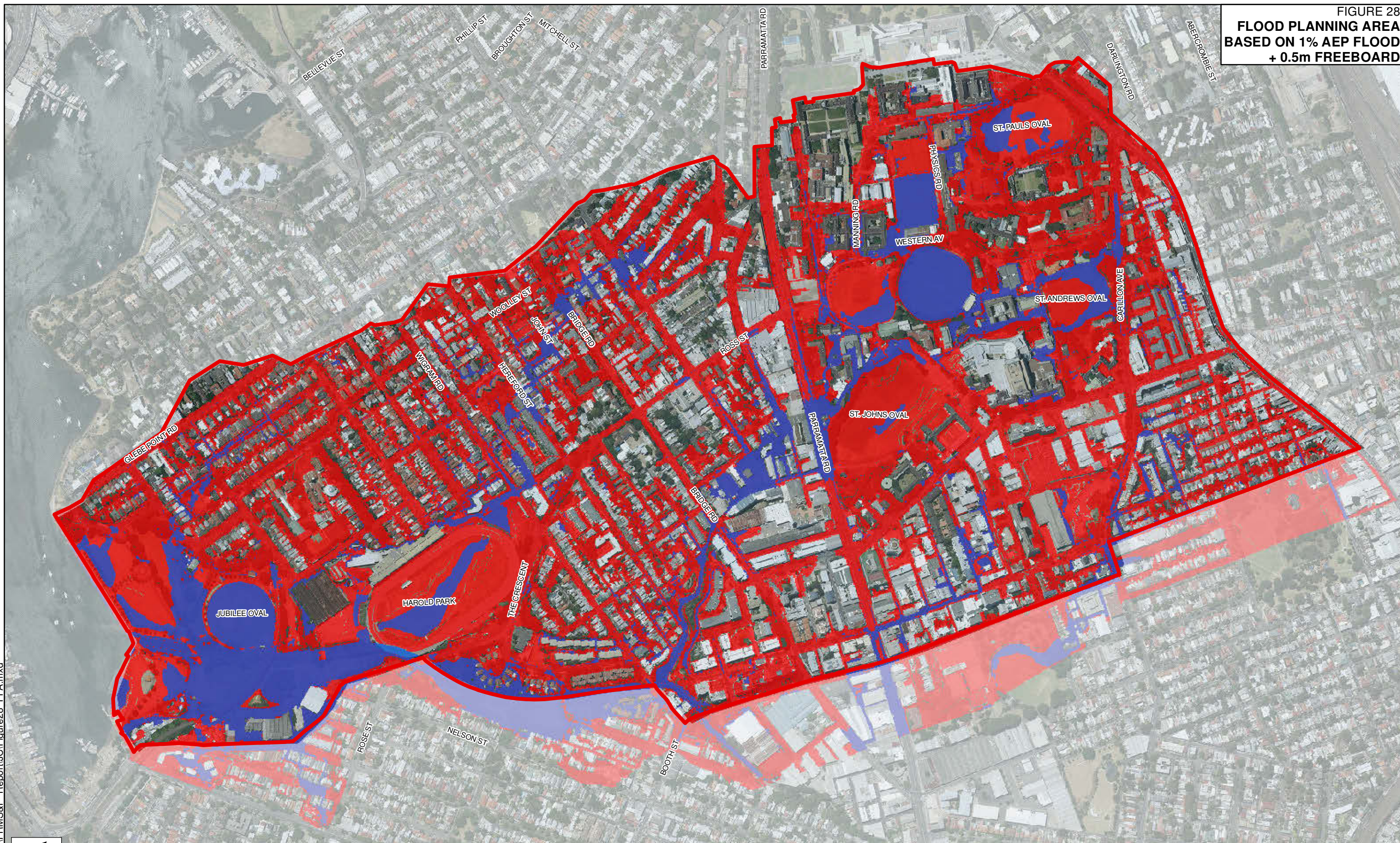



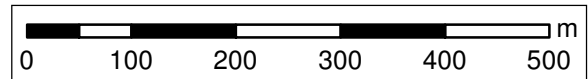


FIGURE 28
FLOOD PLANNING AREA
BASED ON 1% AEP FLOOD
+ 0.5m FREEBOARD



-  Study Area
-  1% AEP Extent
-  1% AEP Extent + 0.5m



FLOOD RISK MITIGATION MANAGEMENT OPTIONS
JOHNSTONS CREEK CATCHMENT








FM-JC03 Drainage Upgrade and Detention Basin
Enhance pit and pipe capacity and build basins in John St and Arthur Gray Reserves

FM-JC01 Detention Basin
Lower a section of St Johns Oval

FM-JC05 Bridge Raising
Raise bridges along Johnstons Ck

FM-JC 02 Drainage Upgrade and Channel Works
Trunk drainage upgrade from Sparkes St to Johnstons Ck and downstream channel works

FM-JC04 Park Regrading
Regrade park west of Johnstons Ck and widen walkway under The Crescent

-  Raised Bridges
-  Upgraded Pits
-  Upgraded Pipes
-  Detention Basin
-  Regraded Park
-  Widened Walkway
-  Study Area

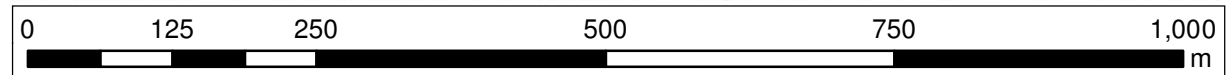
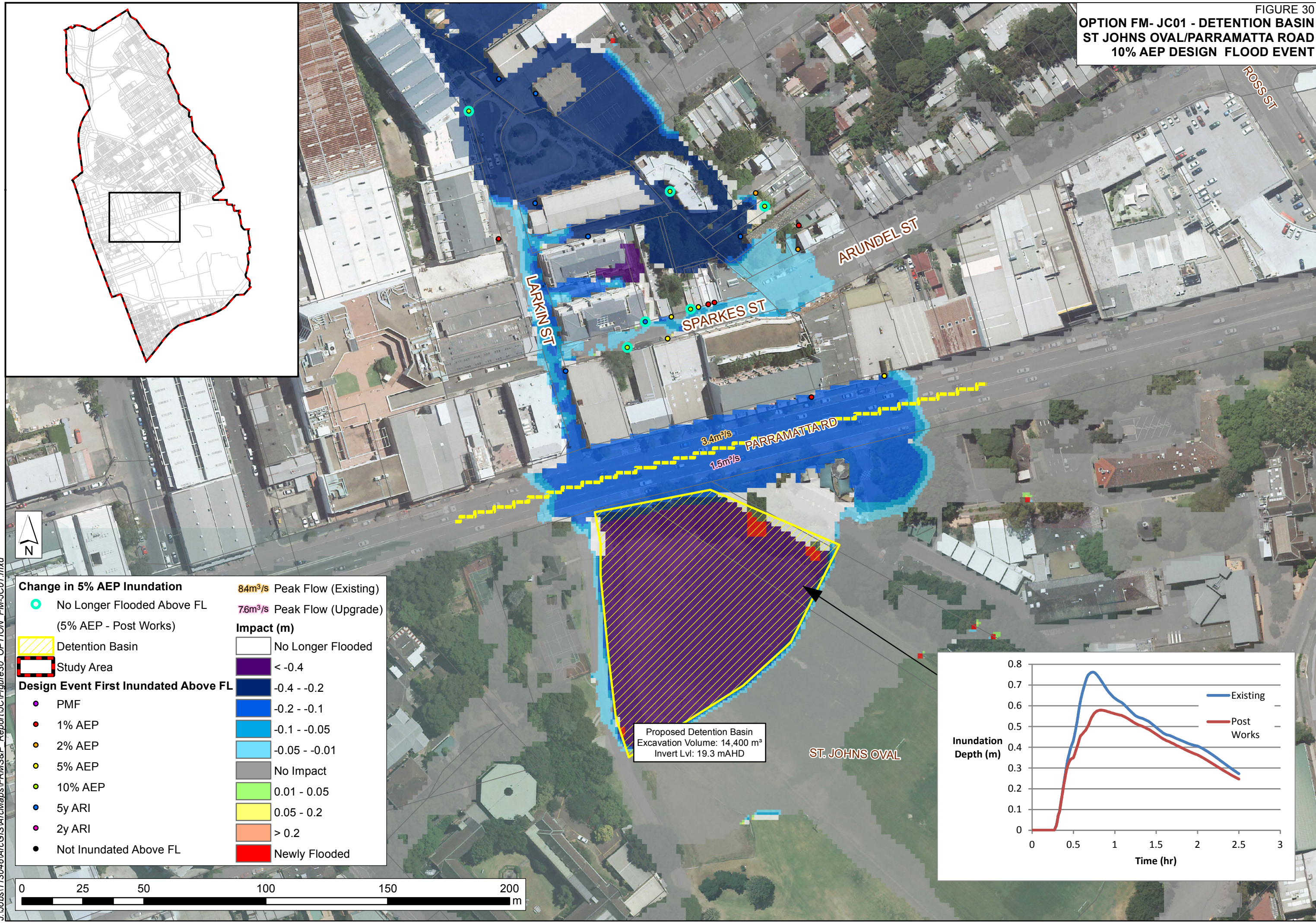
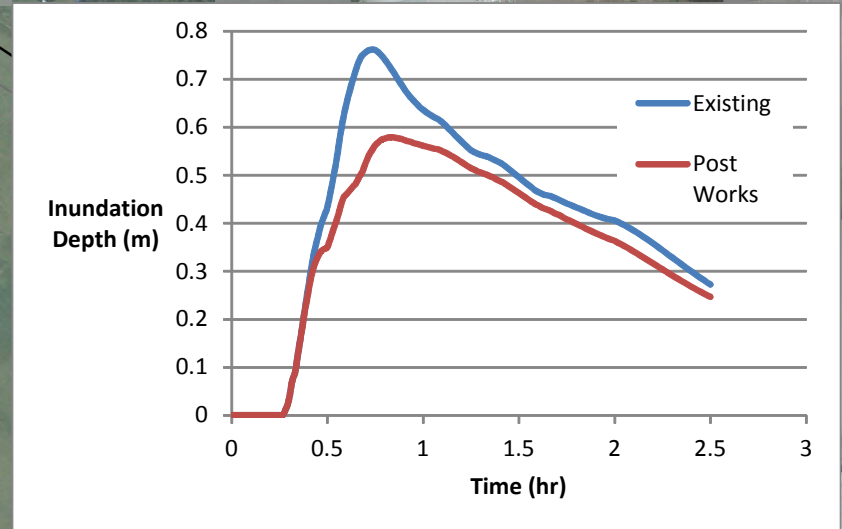


FIGURE 30
OPTION FM- JC01 - DETENTION BASIN
ST JOHNS OVAL/PARRAMATTA ROAD
10% AEP DESIGN FLOOD EVENT



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Proposed Detention Basin
 Excavation Volume: 14,400 m³
 Invert Lvl: 19.3 mAHD