

FIGURE 9
HAZARD CATEGORIES
0.5 EY EVENT
CITY AREA CATCHMENT



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FIGURE 10
HAZARD CATEGORIES
0.2 EY EVENT
CITY AREA CATCHMENT



**FIGURE 11
HAZARD CATEGORIES
10% AEP EVENT
CITY AREA CATCHMENT**



Study Area

Hazard Categories

- Low Hazard
- High Hazard



FIGURE 12
HAZARD CATEGORIES
5% AEP EVENT
CITY AREA CATCHMENT



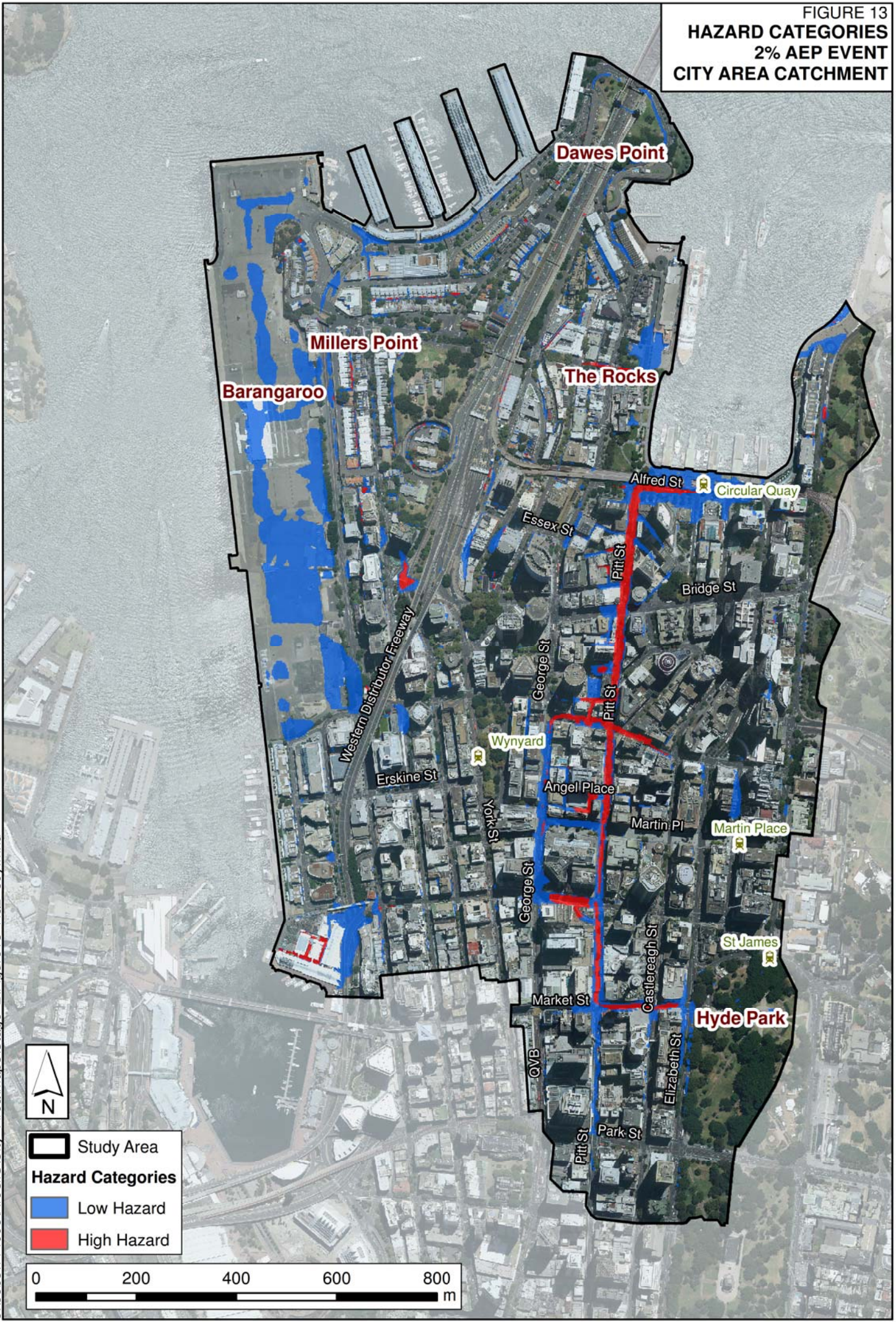
Study Area

Hazard Categories

- Low Hazard
- High Hazard



FIGURE 13
HAZARD CATEGORIES
2% AEP EVENT
CITY AREA CATCHMENT



Study Area

Hazard Categories

- Low Hazard
- High Hazard



FIGURE 14
HAZARD CATEGORIES
1% AEP EVENT
CITY AREA CATCHMENT



- Study Area
- Hazard Categories**
- Low Hazard
- High Hazard



FIGURE 15
HAZARD CATEGORIES
0.2% AEP EVENT
CITY AREA CATCHMENT



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- Study Area
- Hazard Categories**
- Low Hazard
- High Hazard



FIGURE 16
HAZARD CATEGORIES
PMF EVENT
CITY AREA CATCHMENT



- Study Area
- Hazard Categories**
- Low Hazard
- High Hazard



**DURATION OF INUNDATION
1% AEP EVENT
CITY AREA CATCHMENT**

Note: Durations shown on this figure are for a 1% AEP design event duration of 1 hour. Duration of inundation will vary with other event durations.



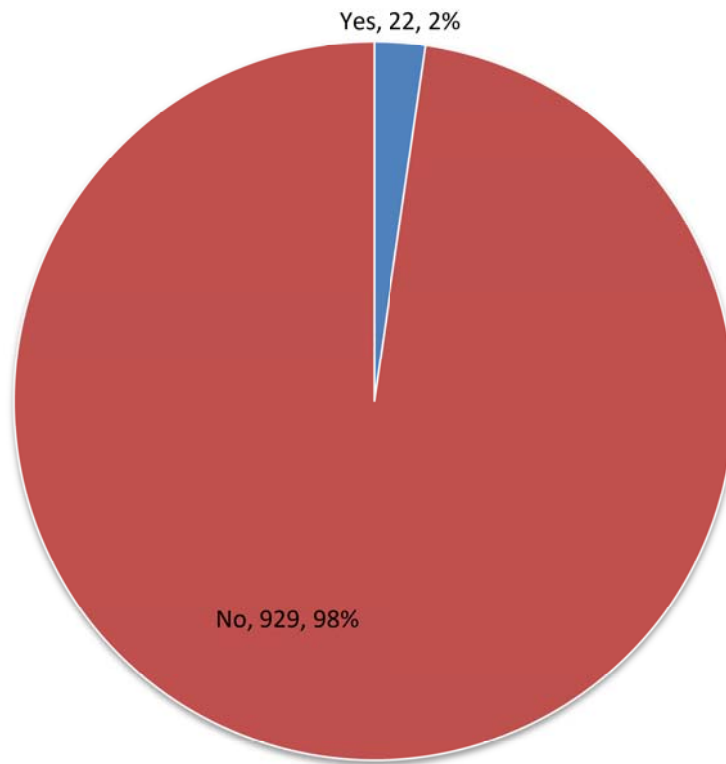
Study Area

Duration for which depth is > 0.3m

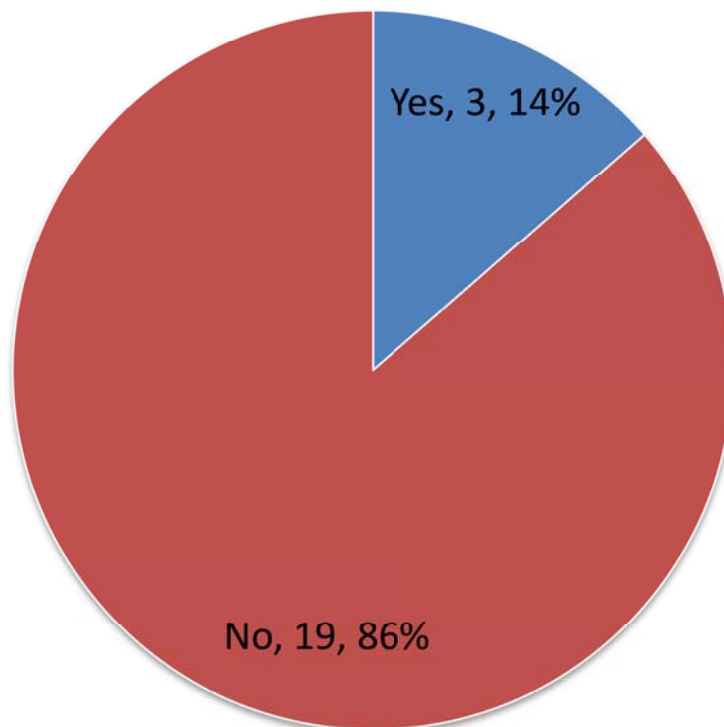
- Not inundated above 0.3m
- < 15 mins
- 15 mins - 30 mins
- 30 mins - 1 hour
- 1 hour - 2 hours
- > 2 hours



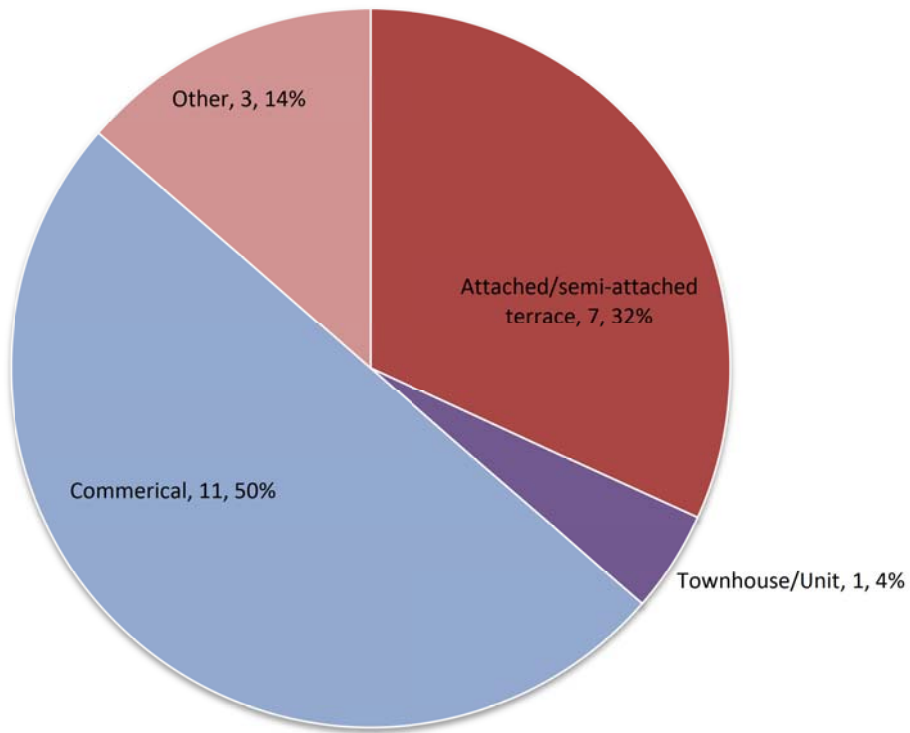
A: Number of Respondents



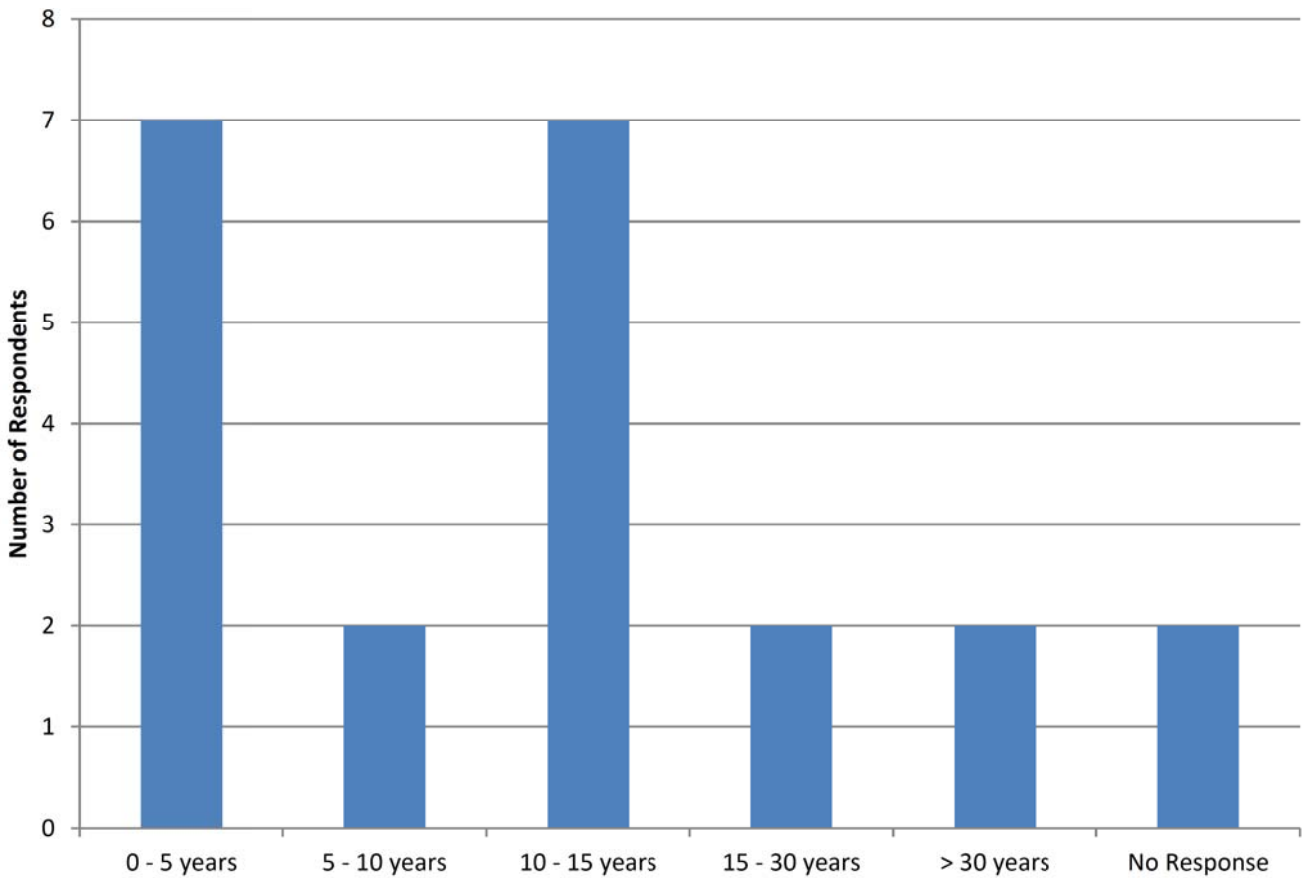
B: Experienced Flooding



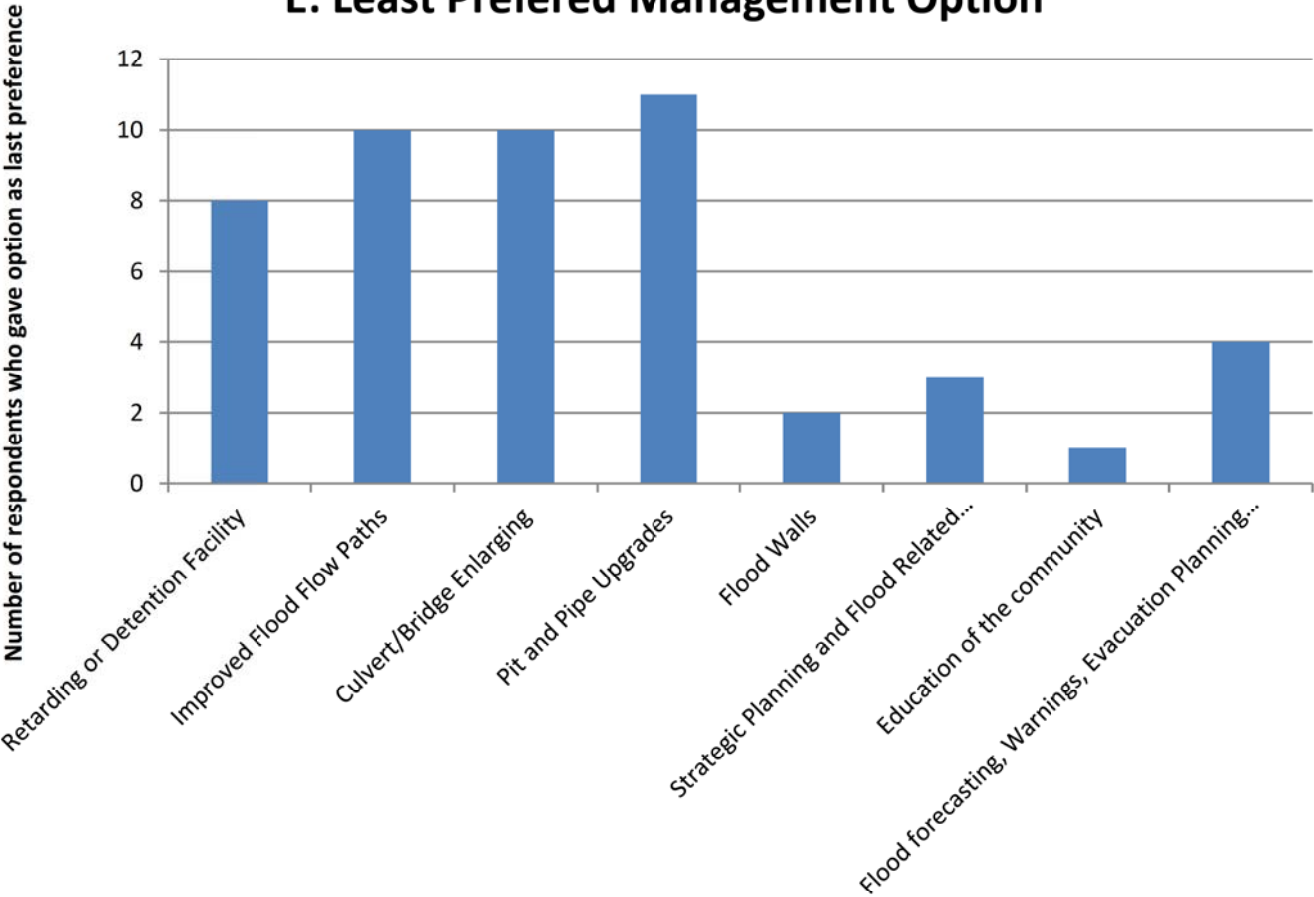
C: Property Type



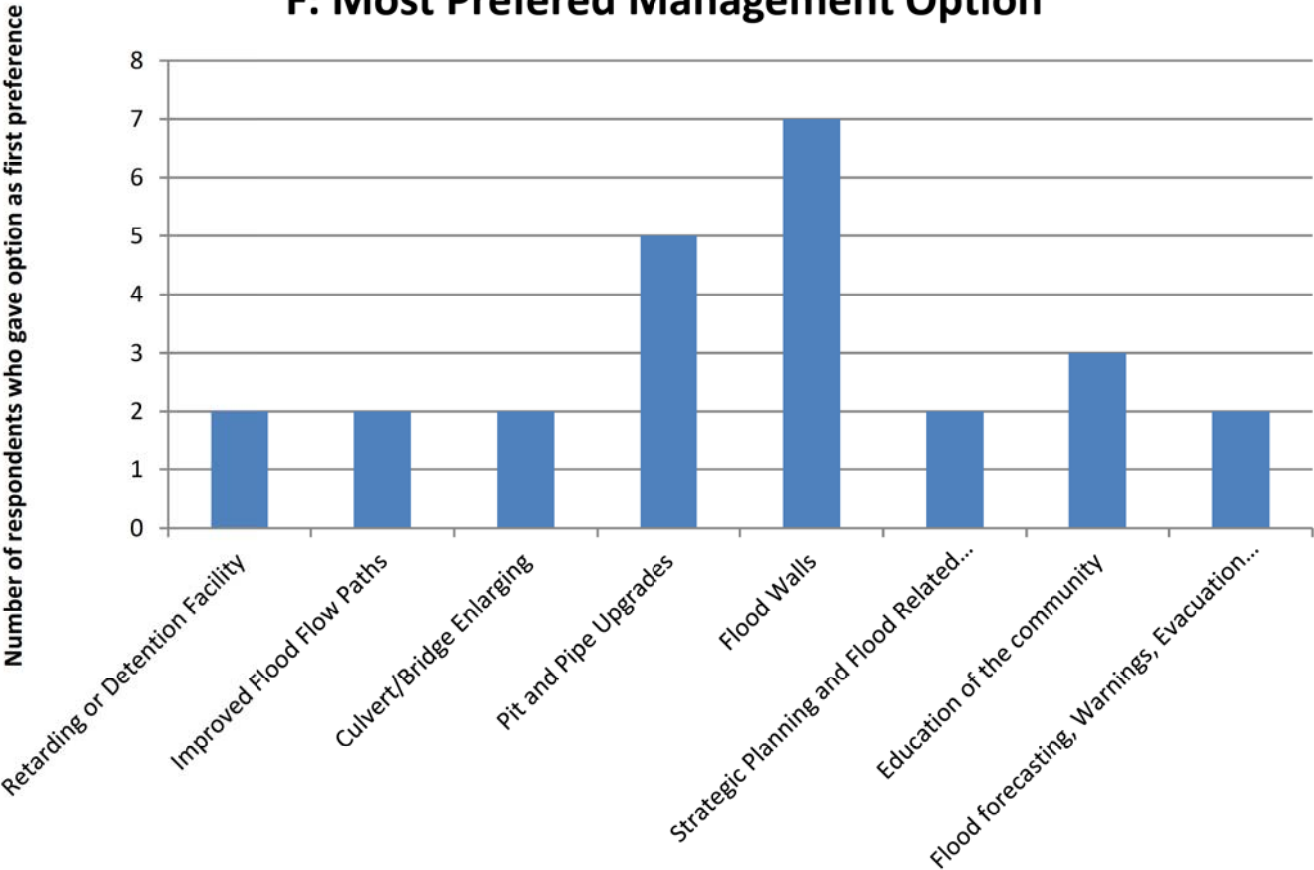
D: Period of Living/Working/Owning Property



E: Least Preferred Management Option



F: Most Preferred Management Option



G: Location of Flooding Experienced

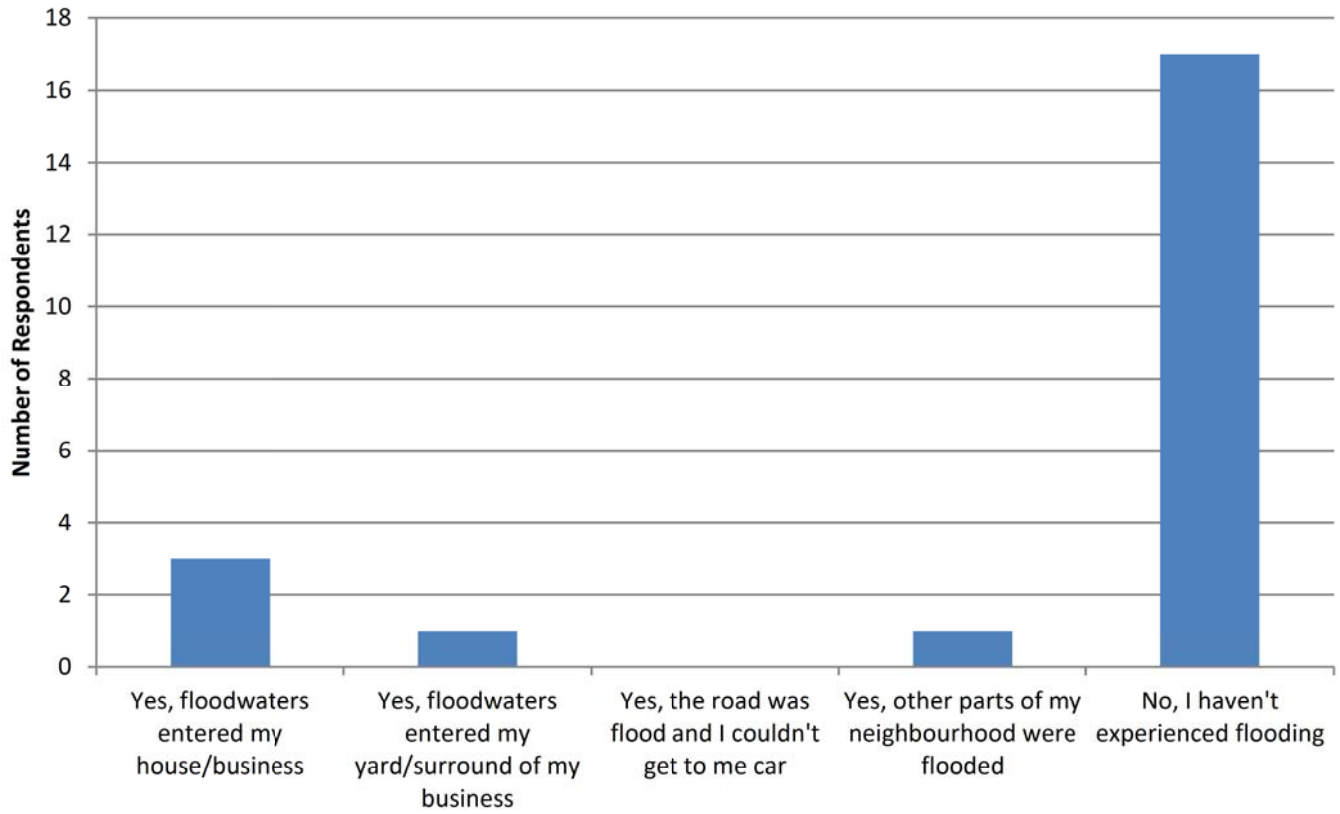


FIGURE 19
**PROPERTIES FLOODED
 CITY AREA CATCHMENT**

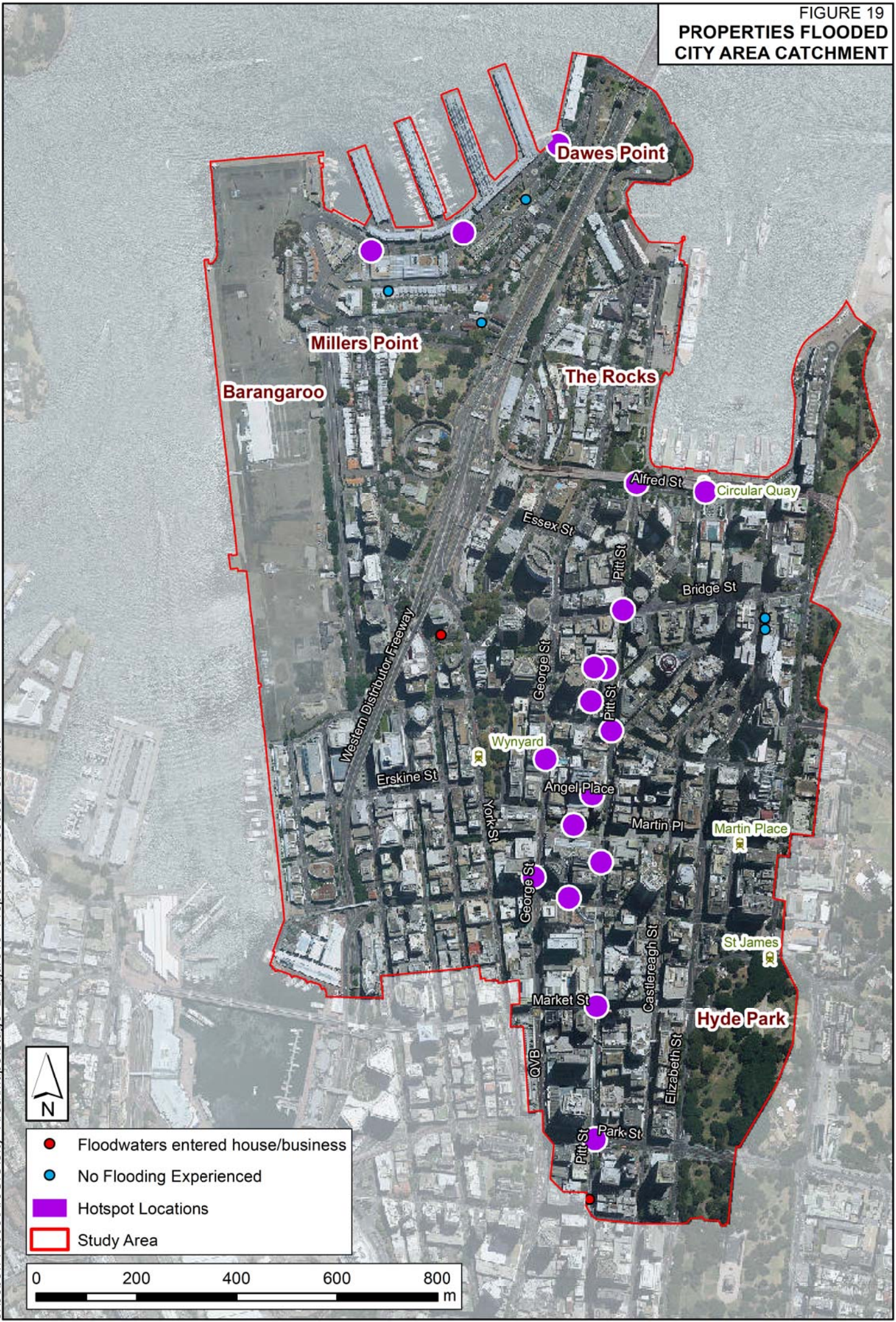
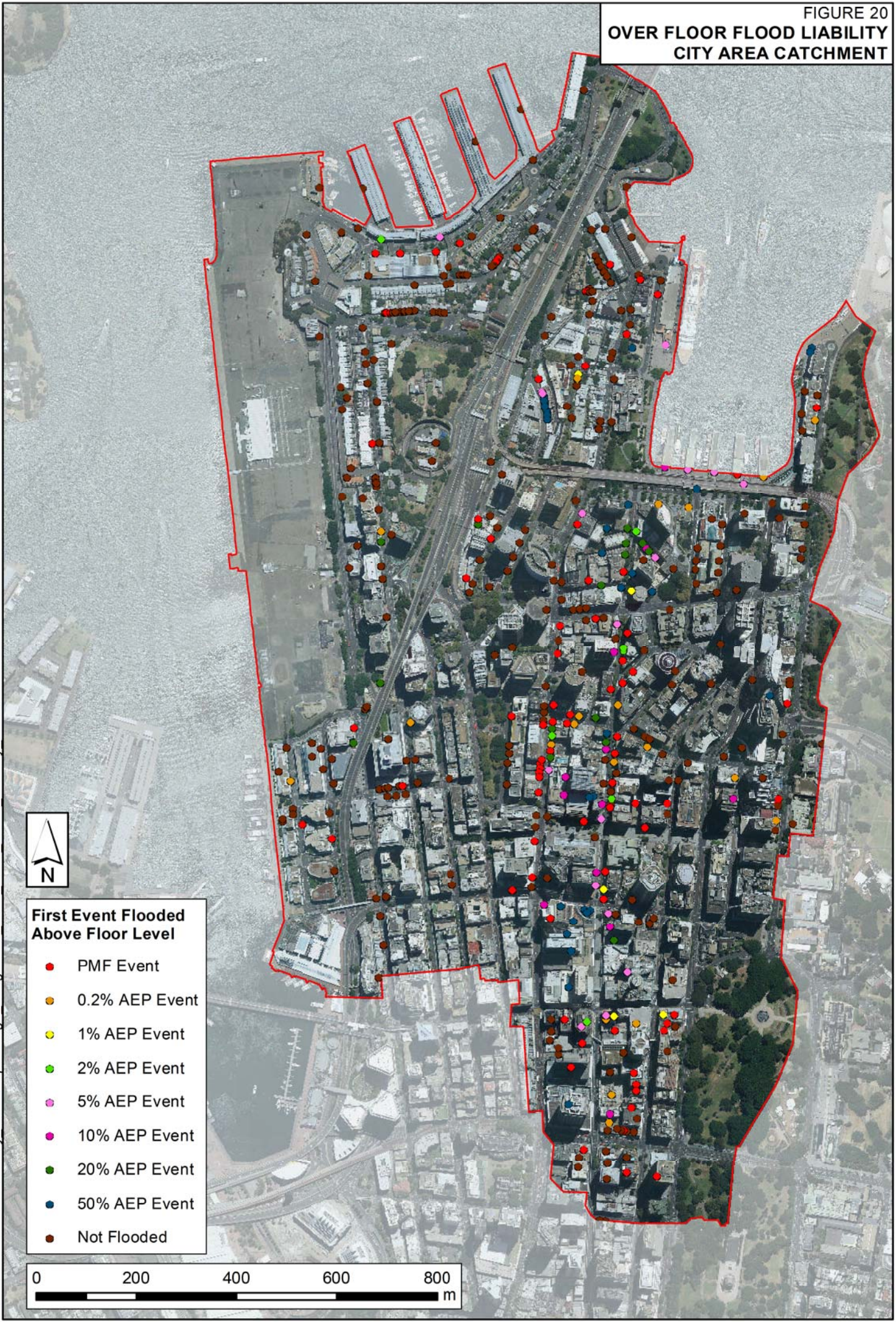


FIGURE 20
OVER FLOOR FLOOD LIABILITY
CITY AREA CATCHMENT



- First Event Flooded Above Floor Level**
- PMF Event
 - 0.2% AEP Event
 - 1% AEP Event
 - 2% AEP Event
 - 5% AEP Event
 - 10% AEP Event
 - 20% AEP Event
 - 50% AEP Event
 - Not Flooded

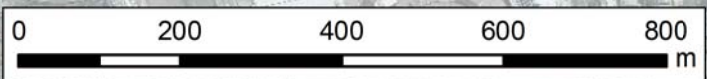
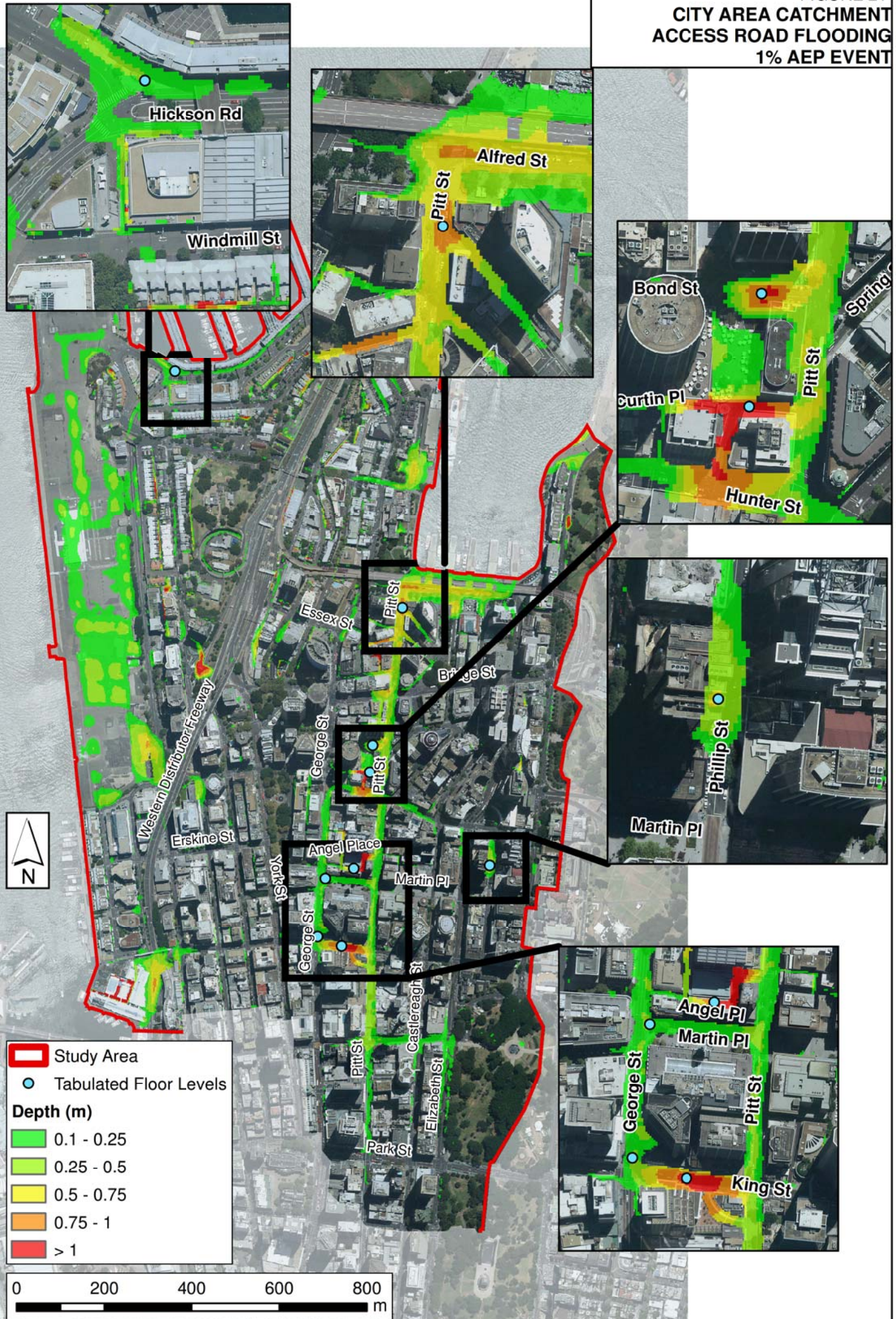


FIGURE 21
 CITY AREA CATCHMENT
 ACCESS ROAD FLOODING
 1% AEP EVENT



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Study Area

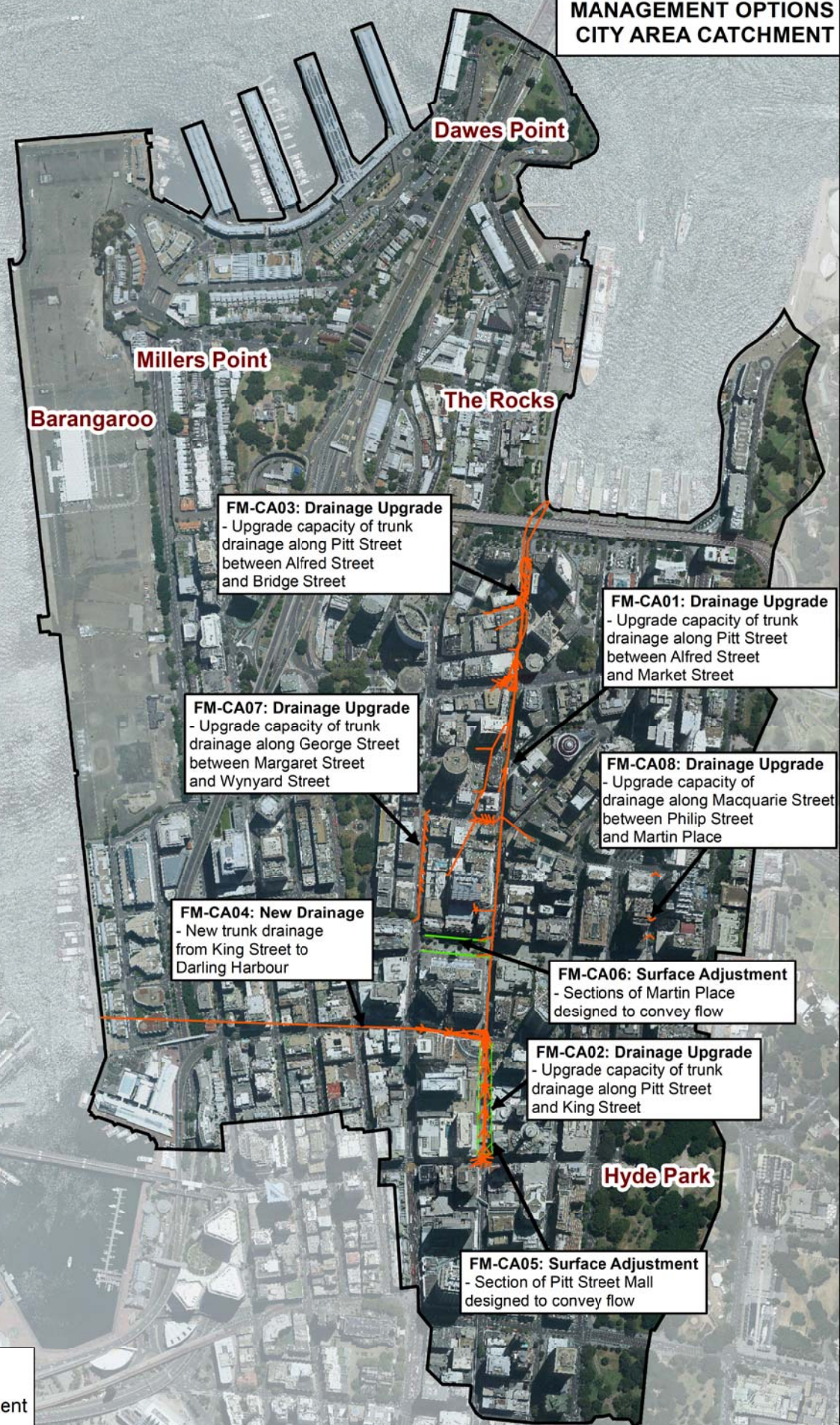
Tabulated Floor Levels




Depth (m)

- 0.1 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1
- > 1

0 200 400 600 800 m

FIGURE 22
**FLOOD RISK MITIGATION
 MANAGEMENT OPTIONS
 CITY AREA CATCHMENT**



-  New Pipe
-  Surface Adjustment
-  Study Area

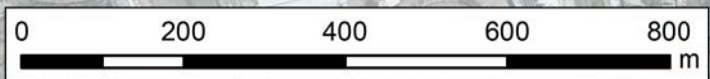
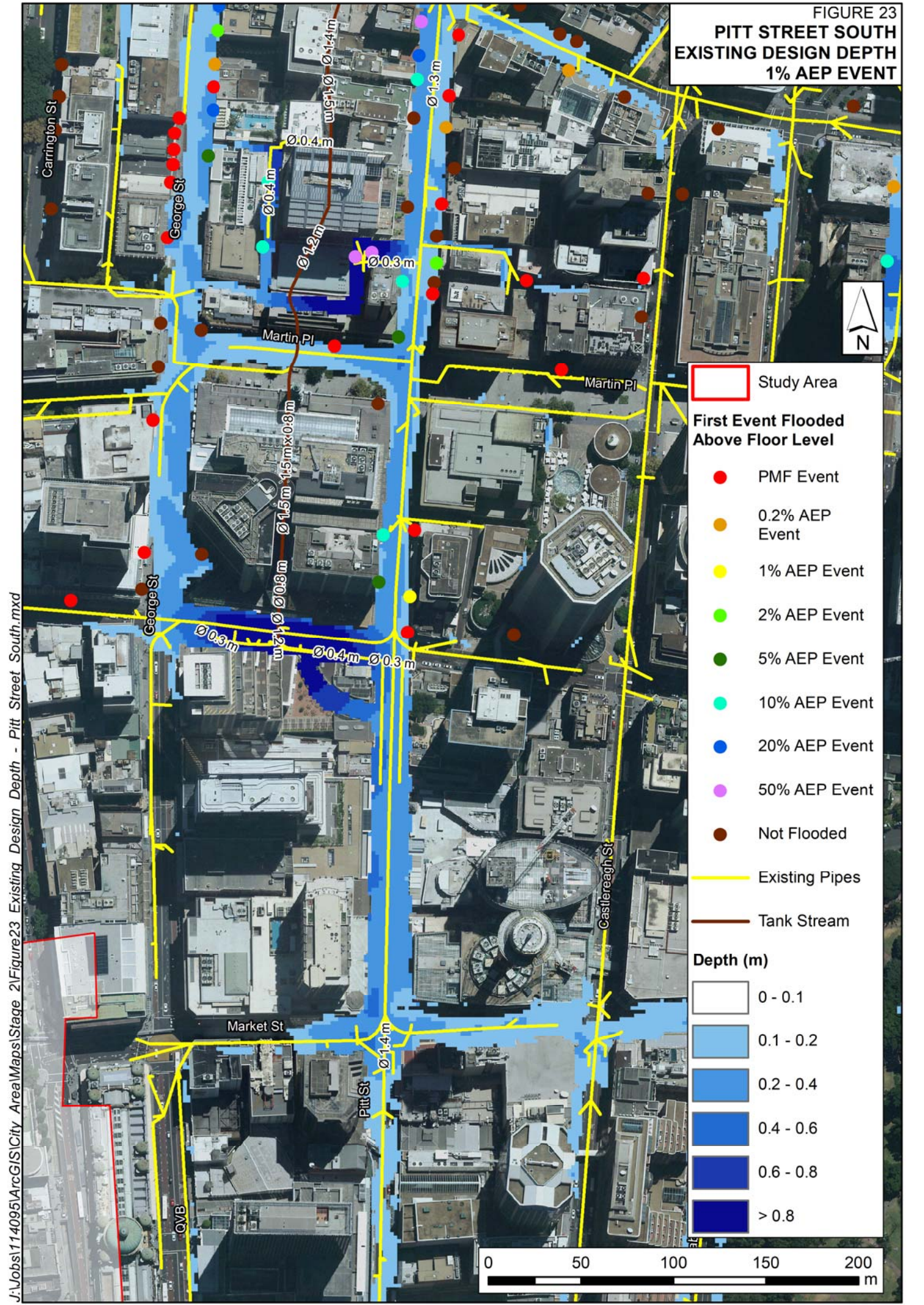


FIGURE 23
PITT STREET SOUTH
EXISTING DESIGN DEPTH
1% AEP EVENT



- Study Area
- First Event Flooded Above Floor Level**
- PMF Event
- 0.2% AEP Event
- 1% AEP Event
- 2% AEP Event
- 5% AEP Event
- 10% AEP Event
- 20% AEP Event
- 50% AEP Event
- Not Flooded
- Existing Pipes
- Tank Stream

Depth (m)

	0 - 0.1
	0.1 - 0.2
	0.2 - 0.4
	0.4 - 0.6
	0.6 - 0.8
	> 0.8



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FIGURE 24
OPTION FM - CA01
1% AEP EVENT FLOOD IMPACT

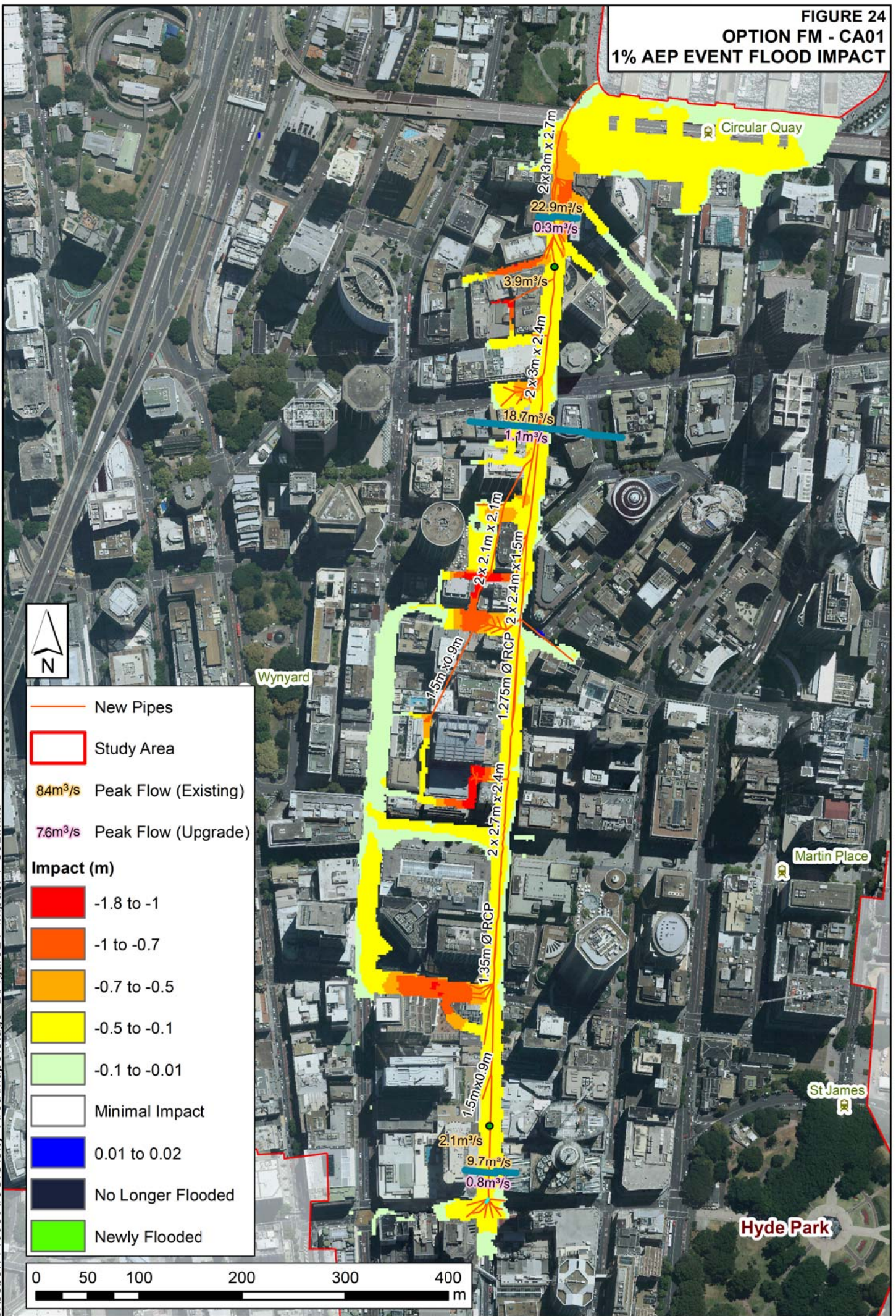
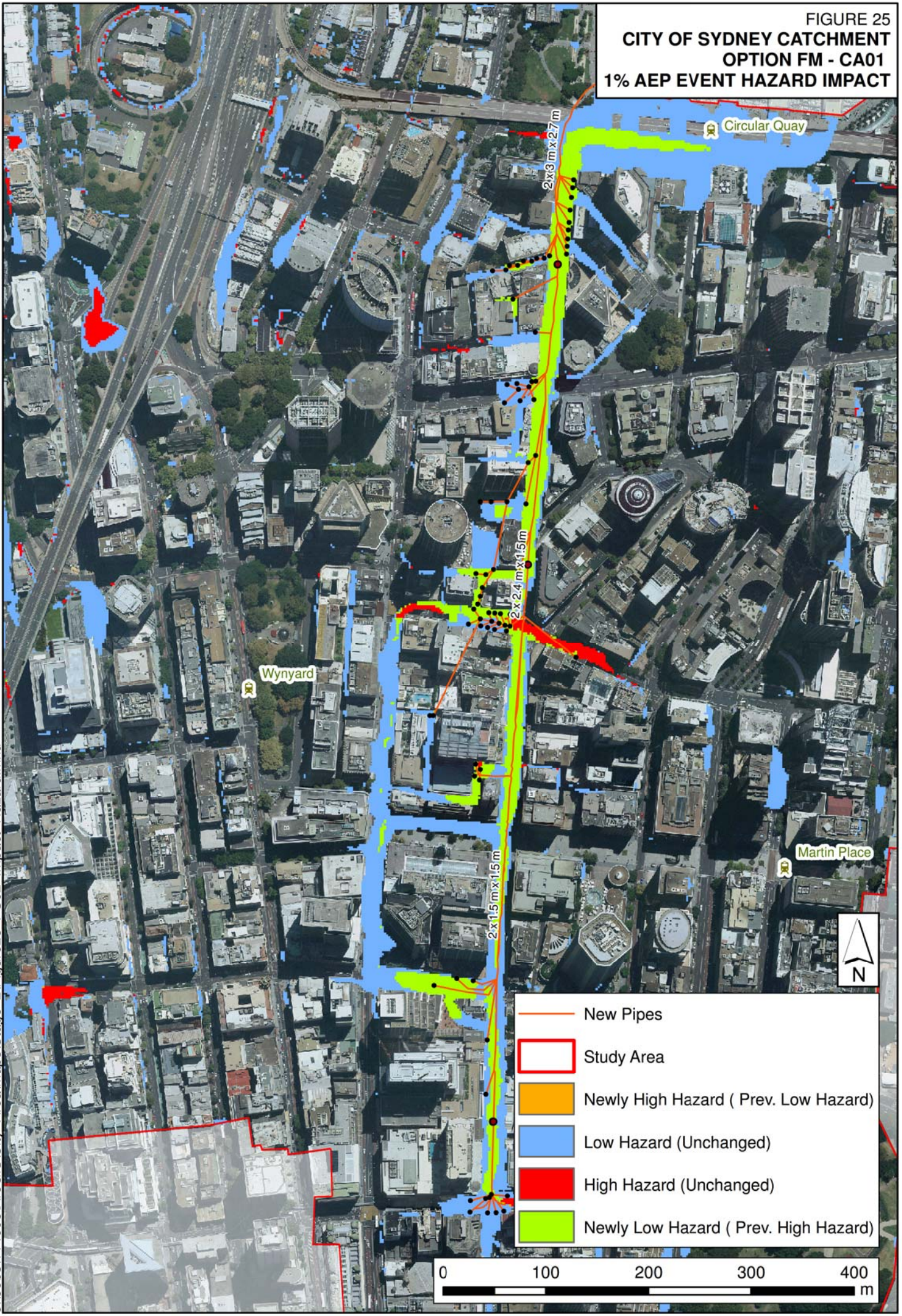








FIGURE 25
 CITY OF SYDNEY CATCHMENT
 OPTION FM - CA01
 1% AEP EVENT HAZARD IMPACT



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-  New Pipes
-  Study Area
-  Newly High Hazard (Prev. Low Hazard)
-  Low Hazard (Unchanged)
-  High Hazard (Unchanged)
-  Newly Low Hazard (Prev. High Hazard)

0 100 200 300 400 m

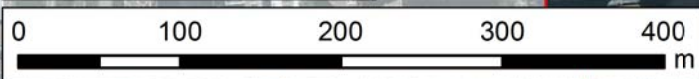
FIGURE 26
OPTION FM - CA02
1% AEP EVENT FLOOD IMPACT



- New Pipes
- 84m³/s Peak Flow (Existing)
- 7.6m³/s Peak Flow (Upgrade)
- Study Area
- Impact (m)**
- < -1
- 1 to -0.7
- 0.7 to -0.5
- 0.5 to -0.1
- 0.1 to -0.01
- Minimal Impact
- 0.01 to 0.3
- No Longer Flooded
- Newly Flooded

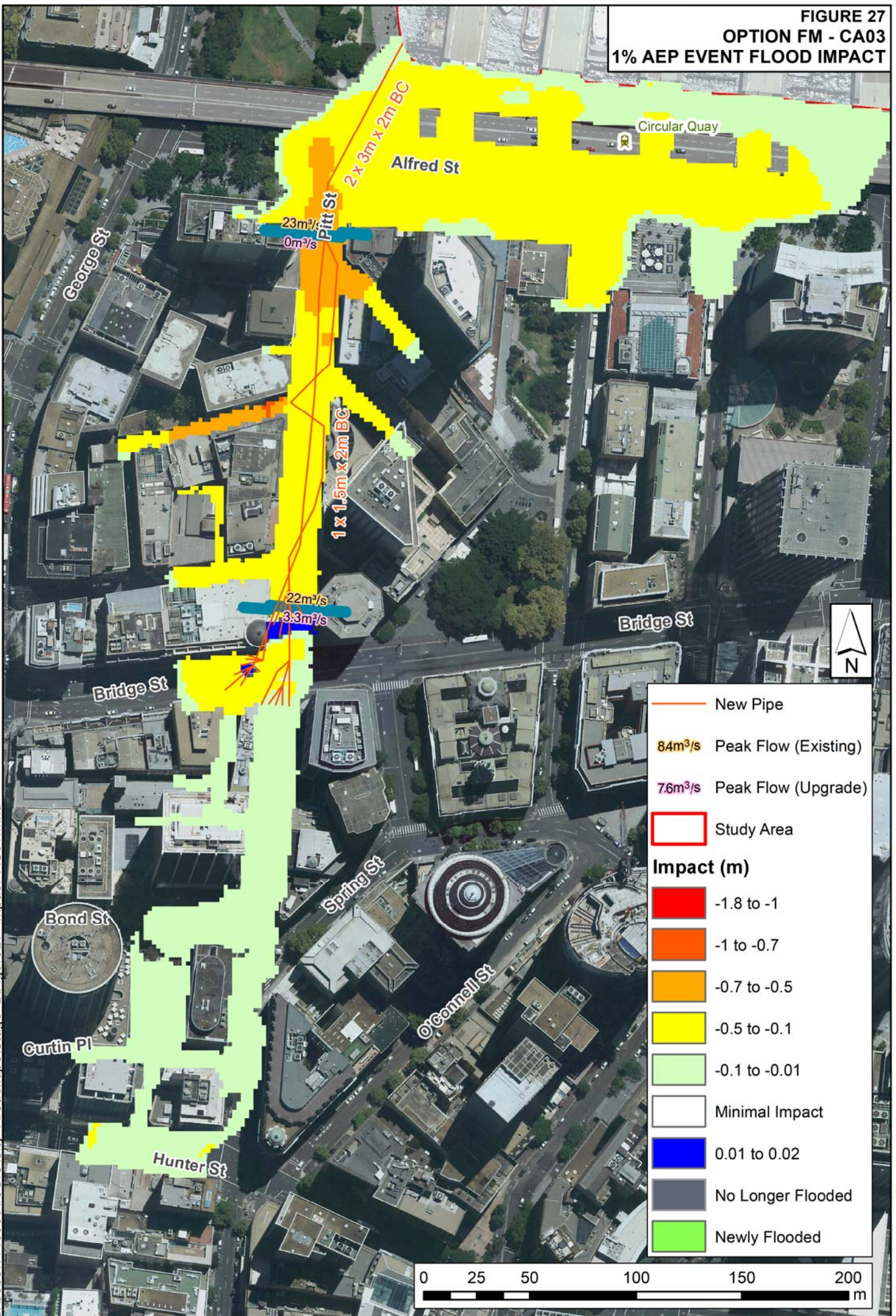
No increase in 1% AEP peak flow (2.1 m³/s), but increase in % of time pipe is full (63% increased to 92%)

9.8m³/s
 6m³/s
 2 x 1.5m x 1.5m



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FIGURE 27
OPTION FM - CA03
1% AEP EVENT FLOOD IMPACT



	New Pipe
	84m³/s Peak Flow (Existing)
	76m³/s Peak Flow (Upgrade)
	Study Area
Impact (m)	
	-1.8 to -1
	-1 to -0.7
	-0.7 to -0.5
	-0.5 to -0.1
	-0.1 to -0.01
	Minimal Impact
	0.01 to 0.02
	No Longer Flooded
	Newly Flooded