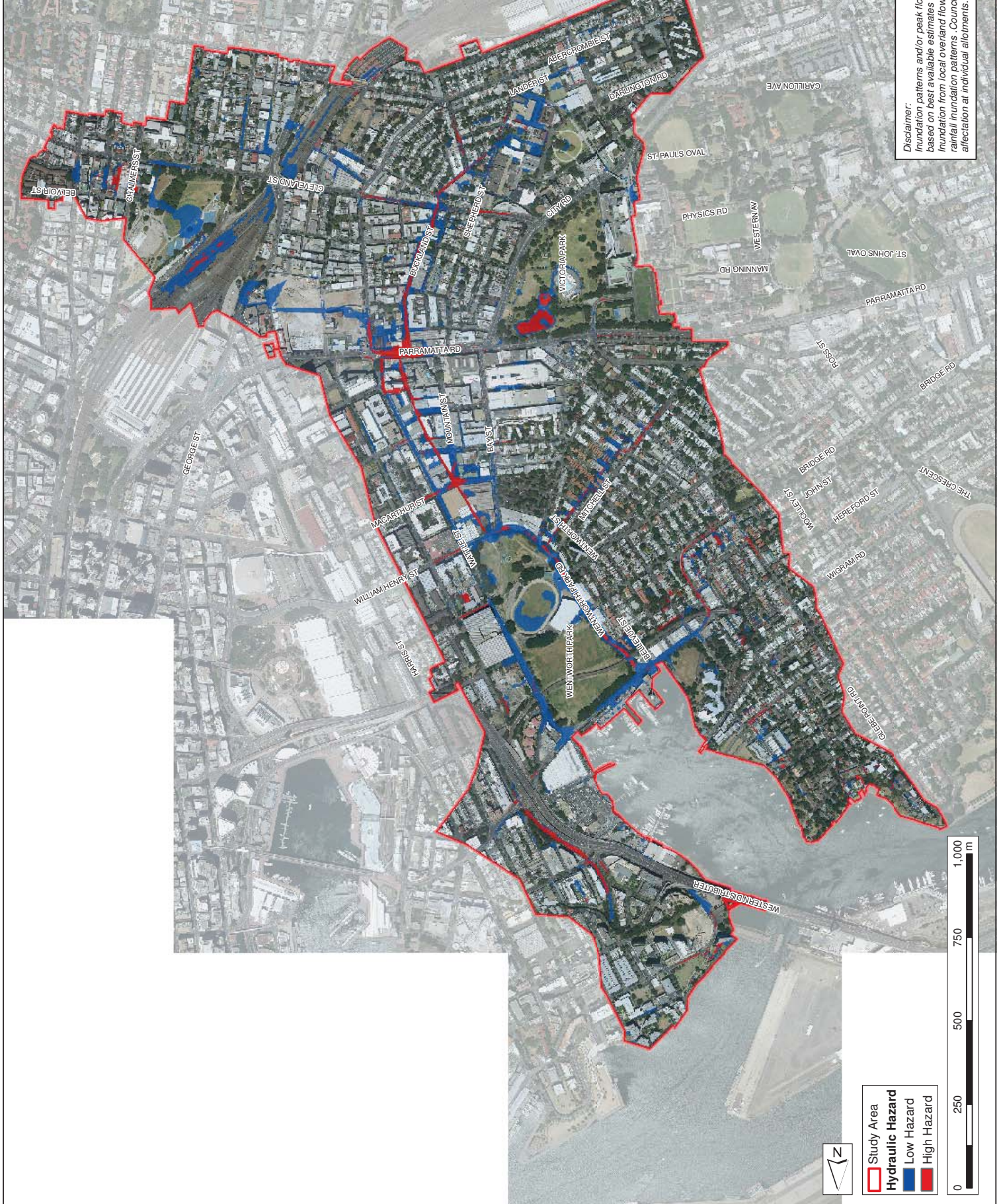


**FIGURE 15
HAZARD CATEGORIES
5Y ARI DESIGN FLOOD EVENT**

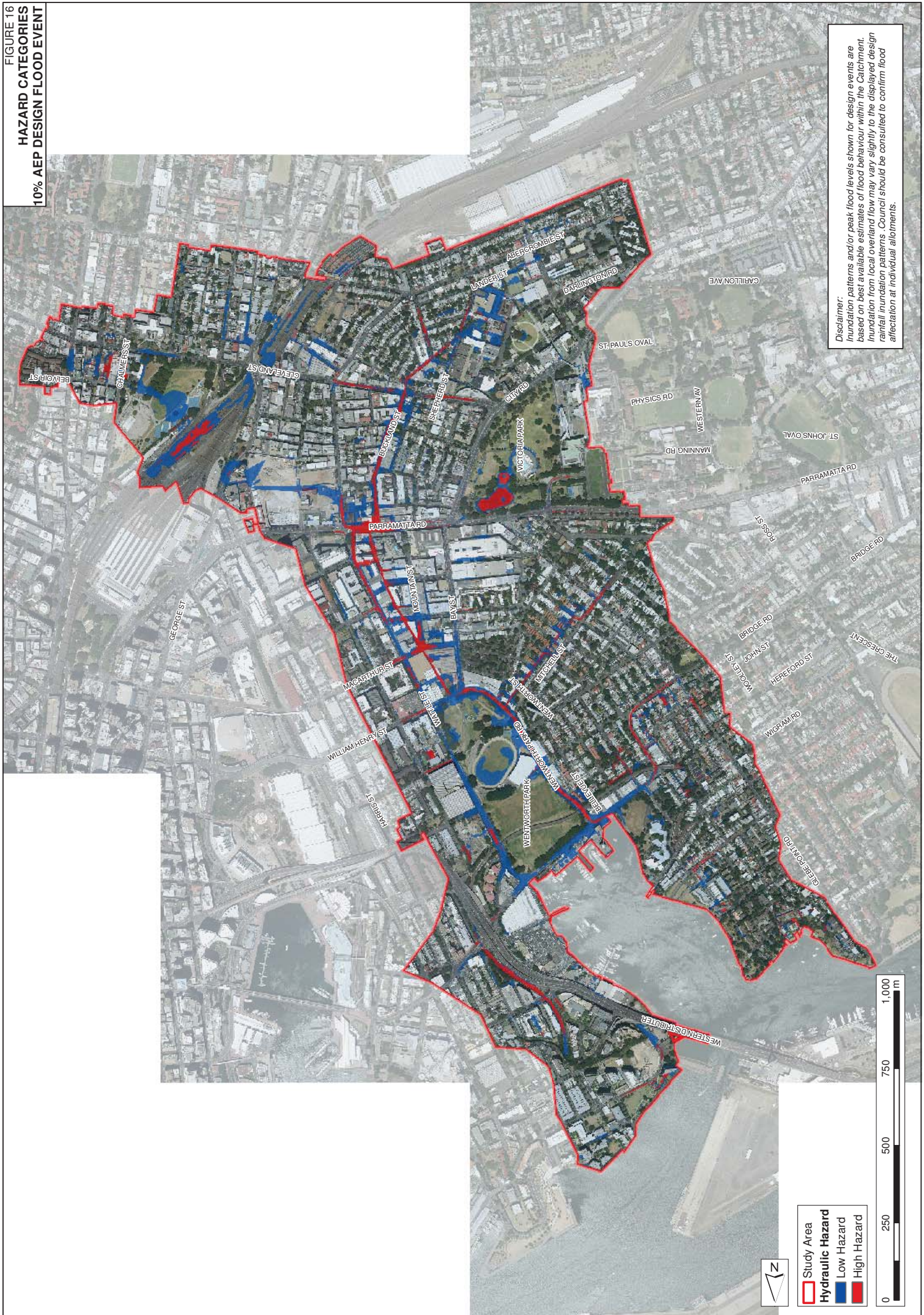


Disclaimer:
Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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

Study Area
 Hydraulic Hazard
 Low Hazard
 High Hazard

0 250 500 750 1,000 m

**FIGURE 16
HAZARD CATEGORIES
10% AEP DESIGN FLOOD EVENT**



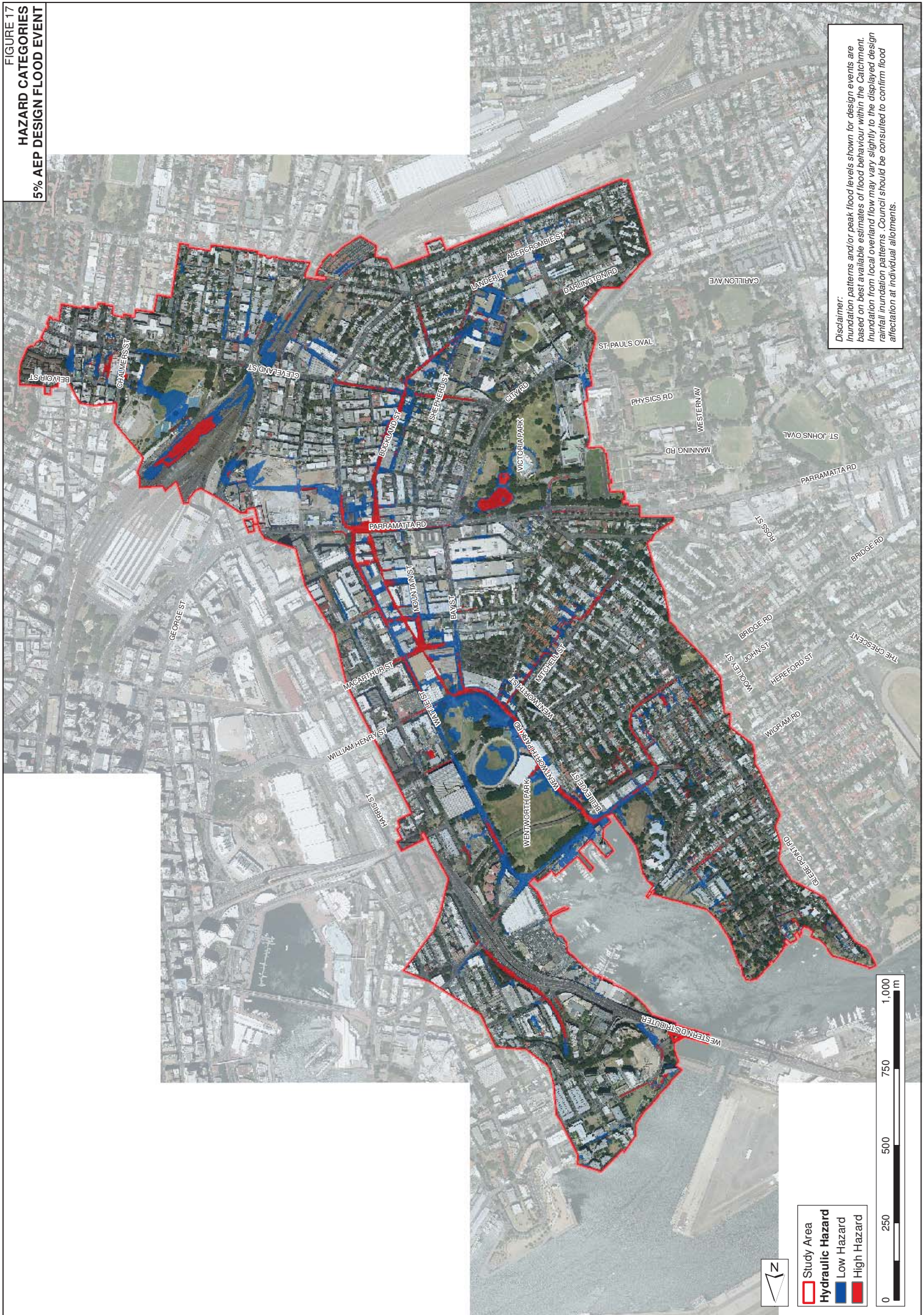
Disclaimer:
Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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



Study Area
Hydraulic Hazard
 Low Hazard
 High Hazard

0 250 500 750 1,000 m

**FIGURE 17
HAZARD CATEGORIES
5% AEP DESIGN FLOOD EVENT**



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.

Legend

- Study Area
- Hydraulic Hazard
- Low Hazard
- High Hazard

Scale

0 250 500 750 1,000 m

North Arrow

N

**FIGURE 18
HAZARD CATEGORIES
2% AEP DESIGN FLOOD EVENT**

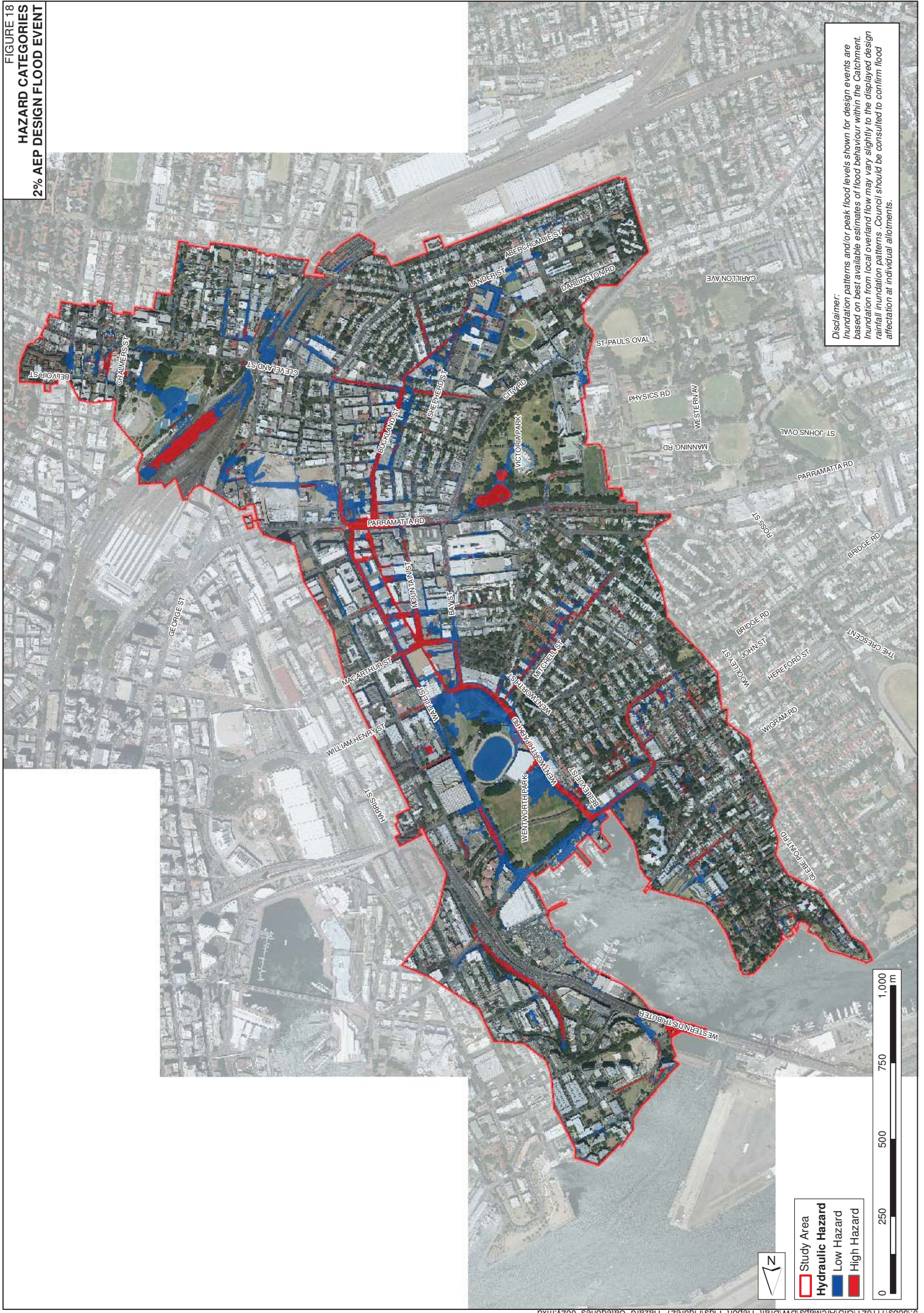
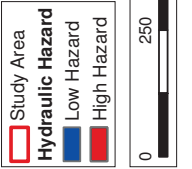
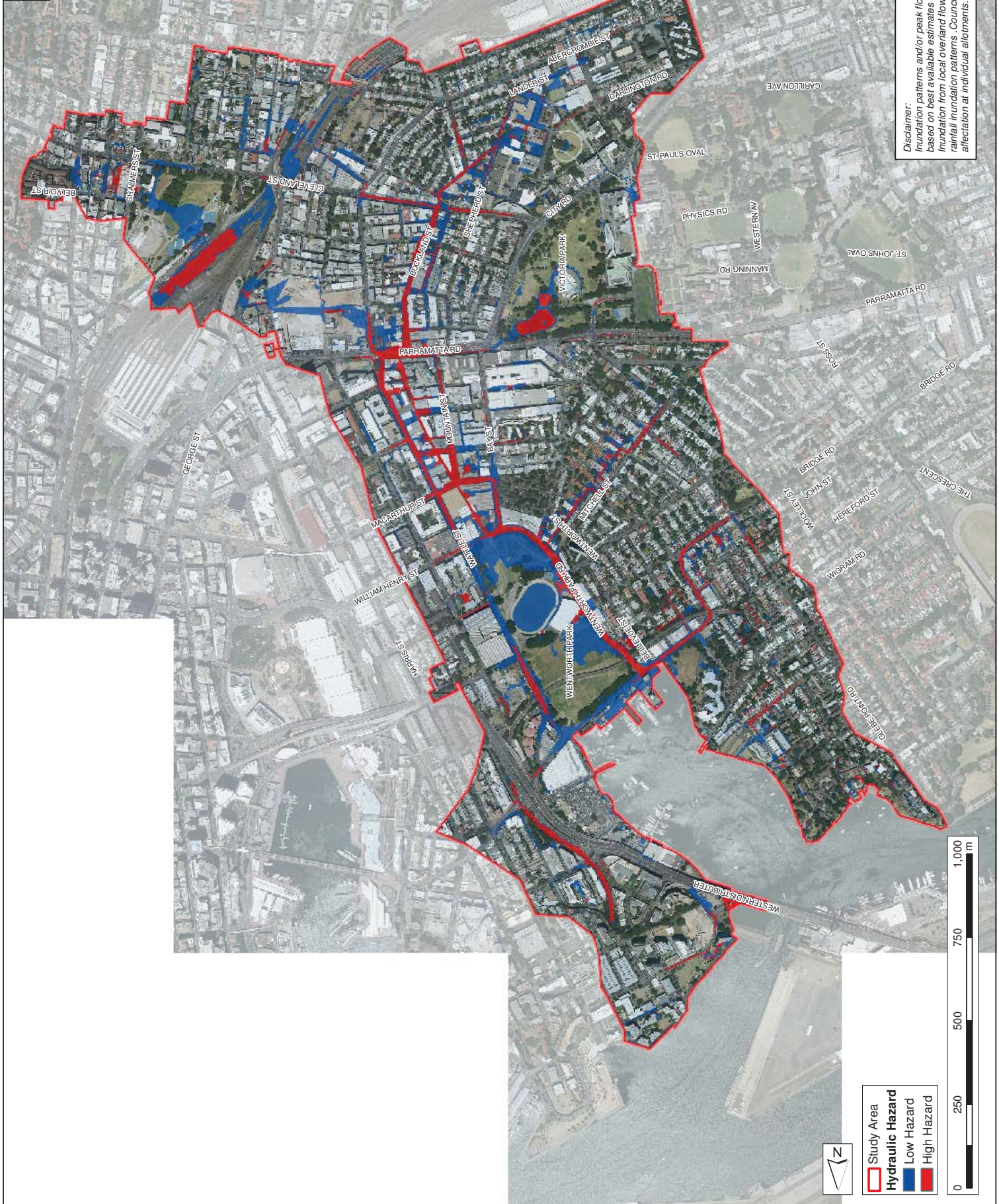
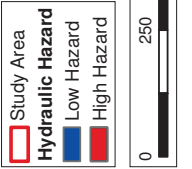
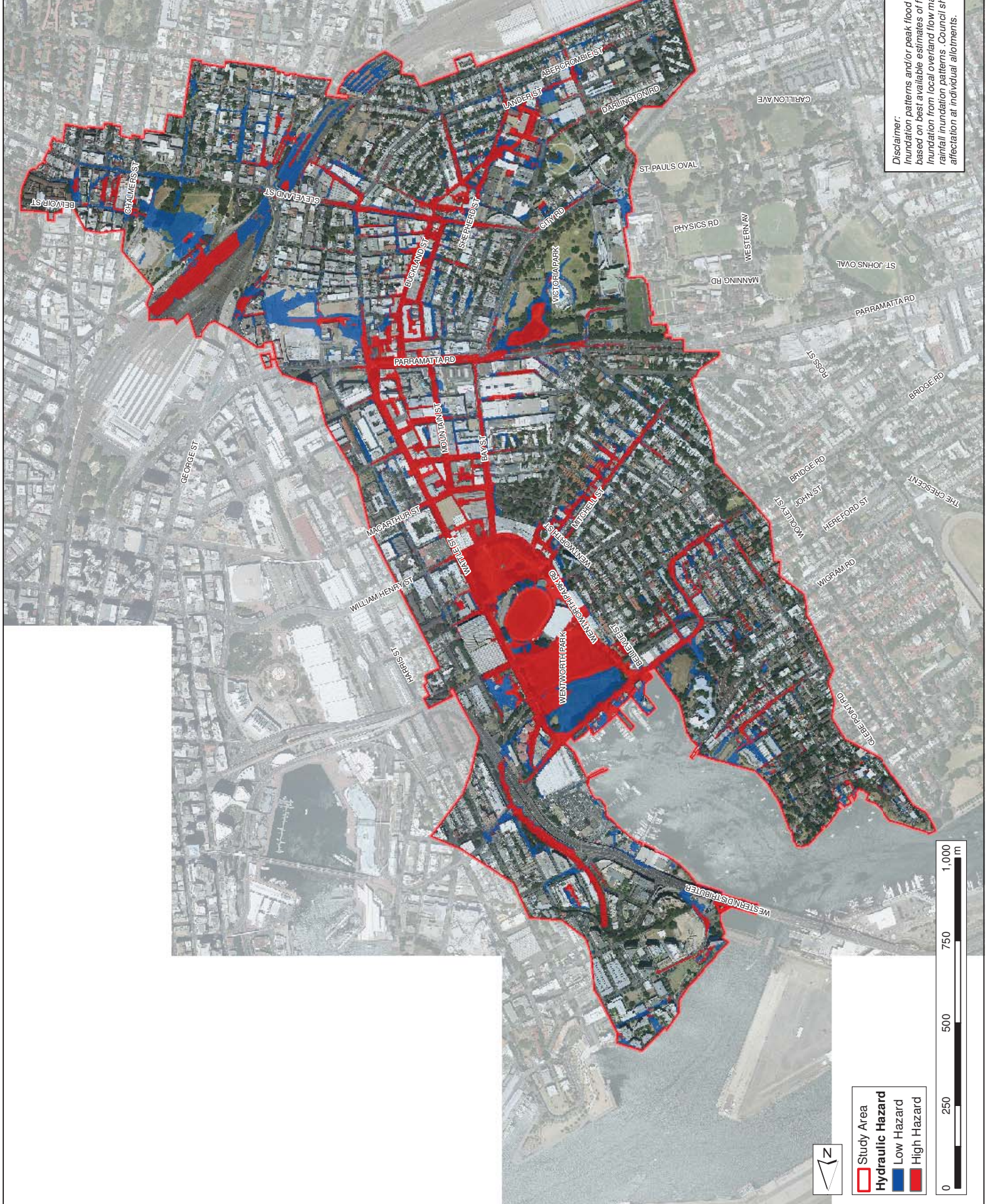


FIGURE 19
HAZARD CATEGORIES
1% AEP DESIGN FLOOD EVENT



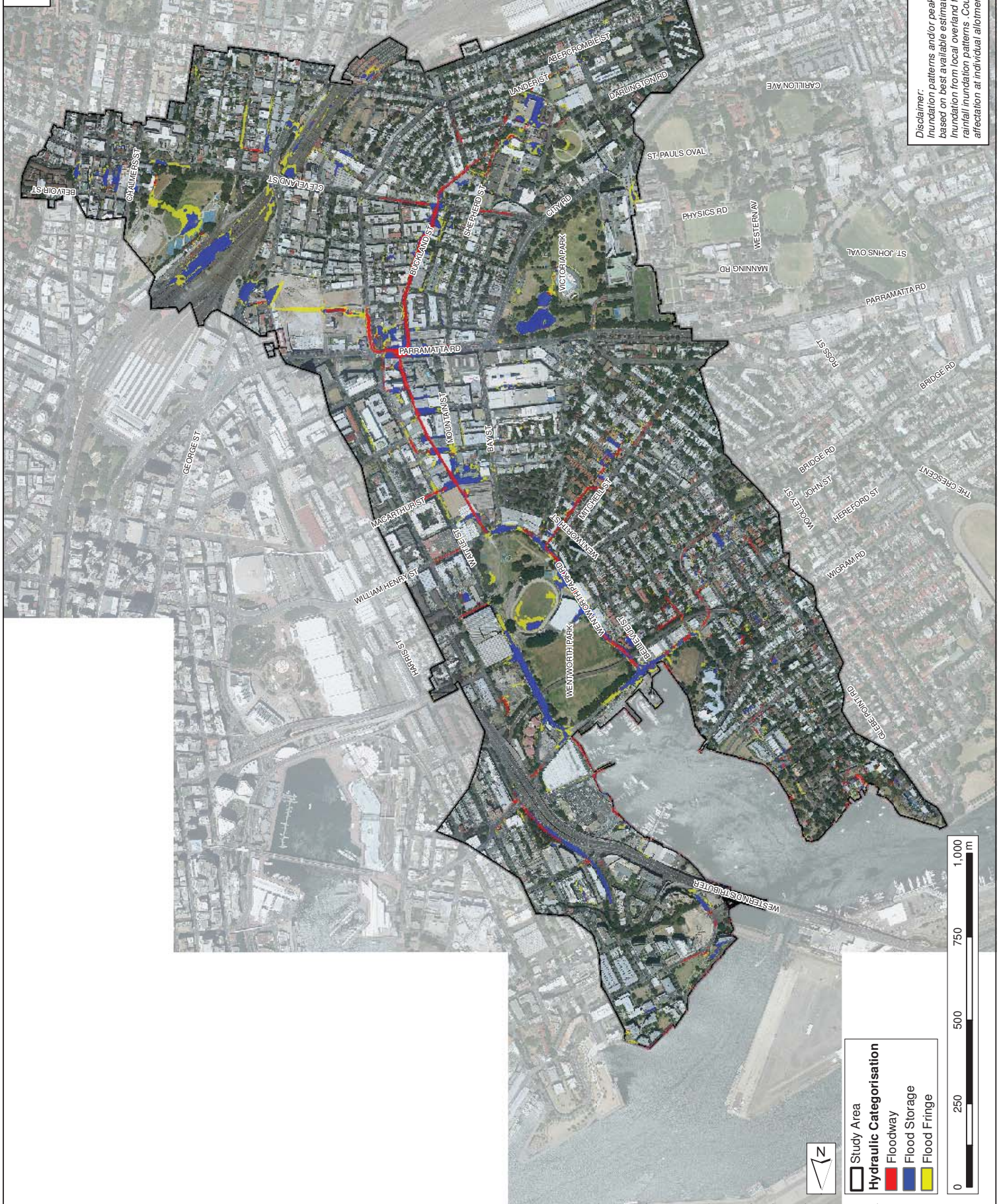
Disclaimer:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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

FIGURE 20
HAZARD CATEGORIES
PMF DESIGN FLOOD EVENT



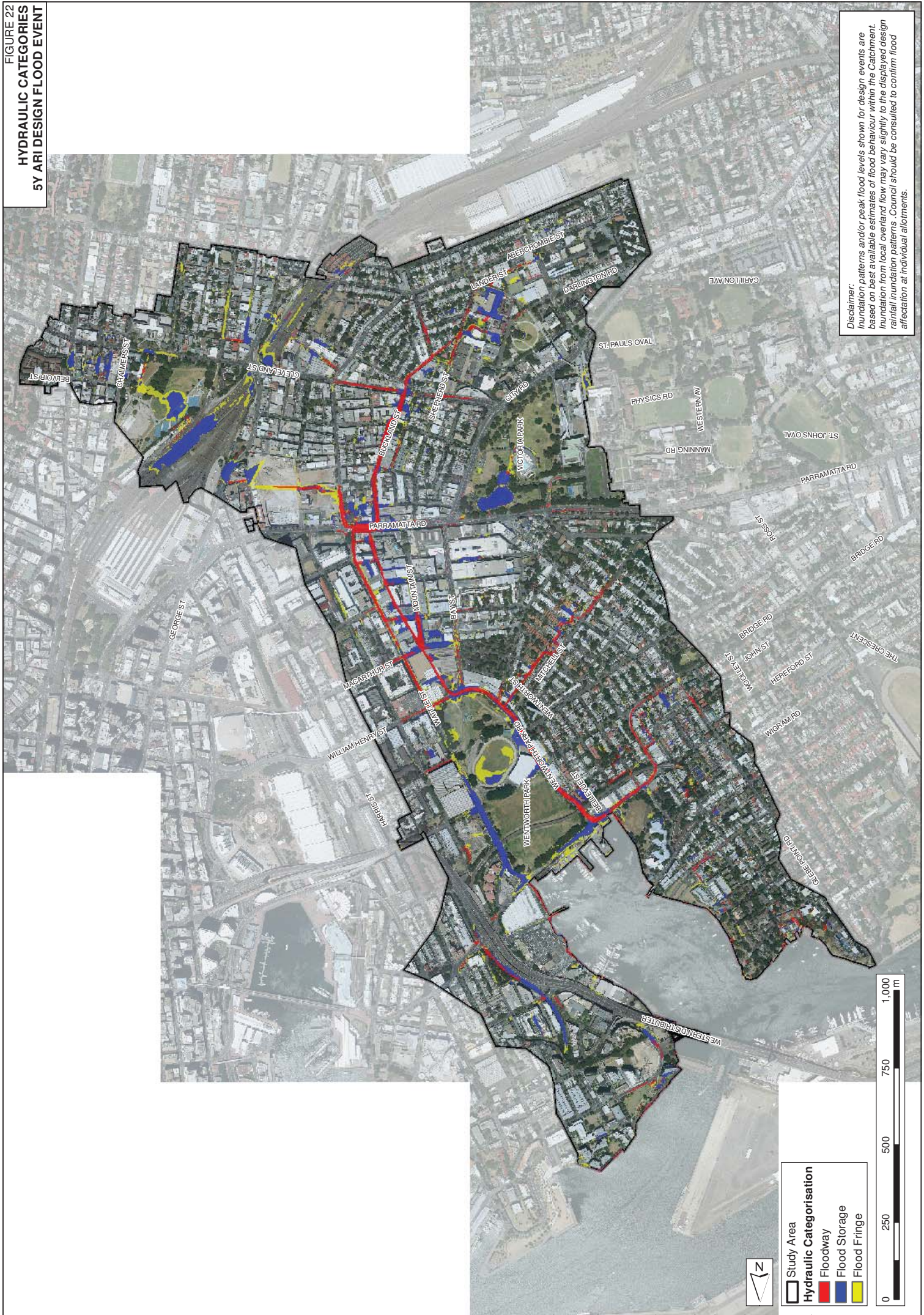
Disclaimer:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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

FIGURE 21
HYDRAULIC CATEGORIES
2Y ARI DESIGN FLOOD EVENT



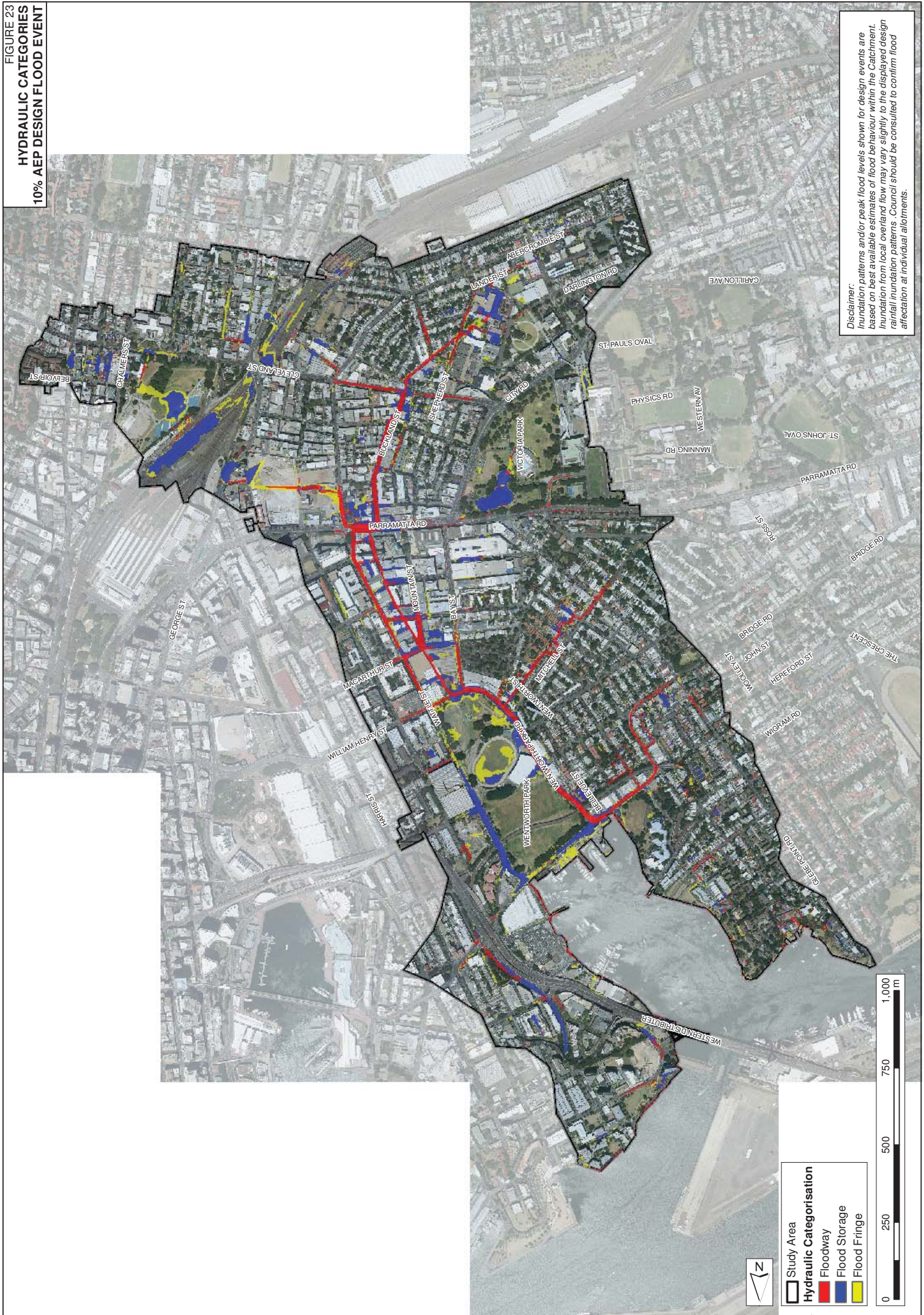
Disclaimer: Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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

FIGURE 22
HYDRAULIC CATEGORIES
5Y ARI DESIGN FLOOD EVENT



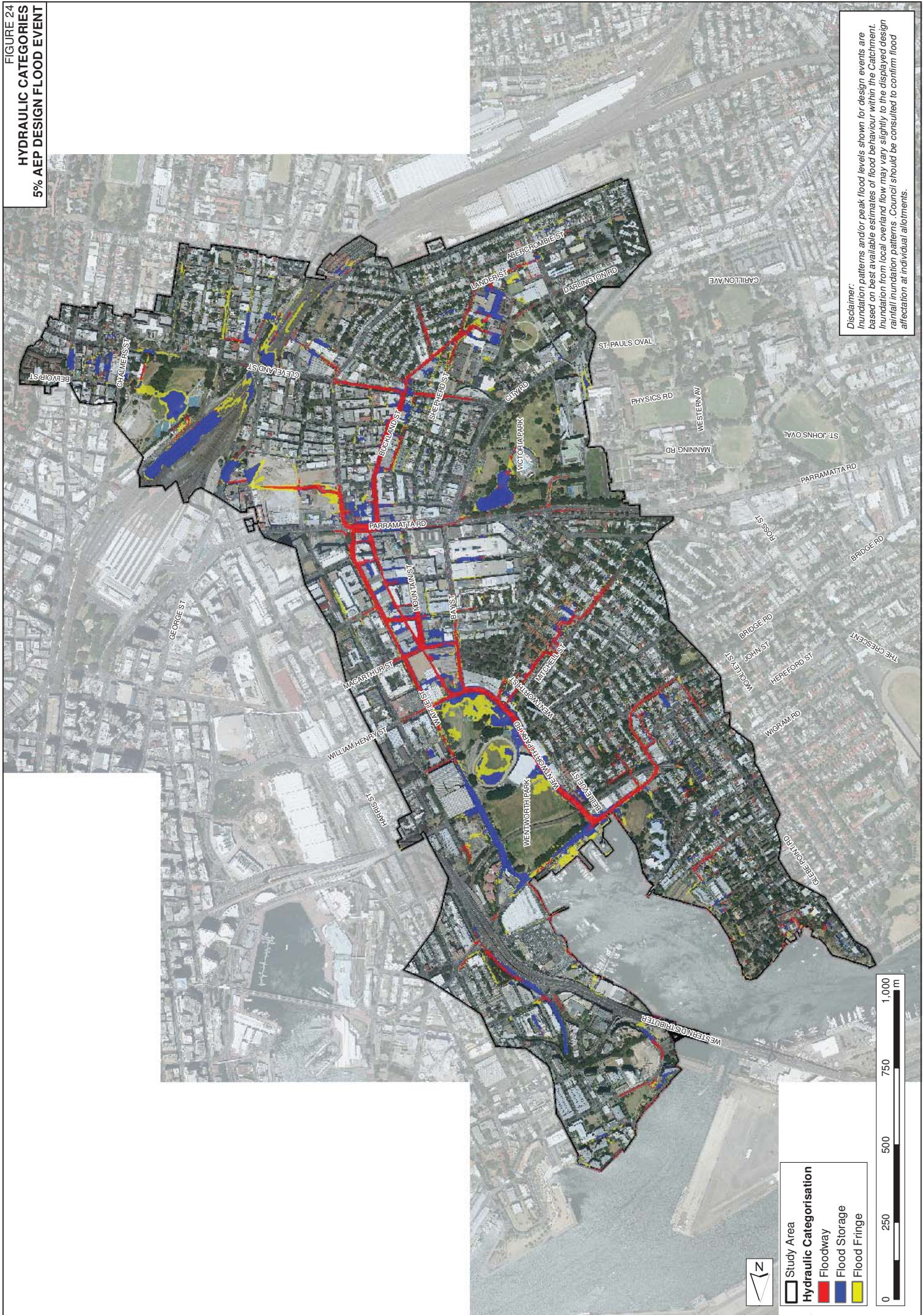
Disclaimer: Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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

FIGURE 23
 HYDRAULIC CATEGORIES
 10% AEP DESIGN FLOOD EVENT



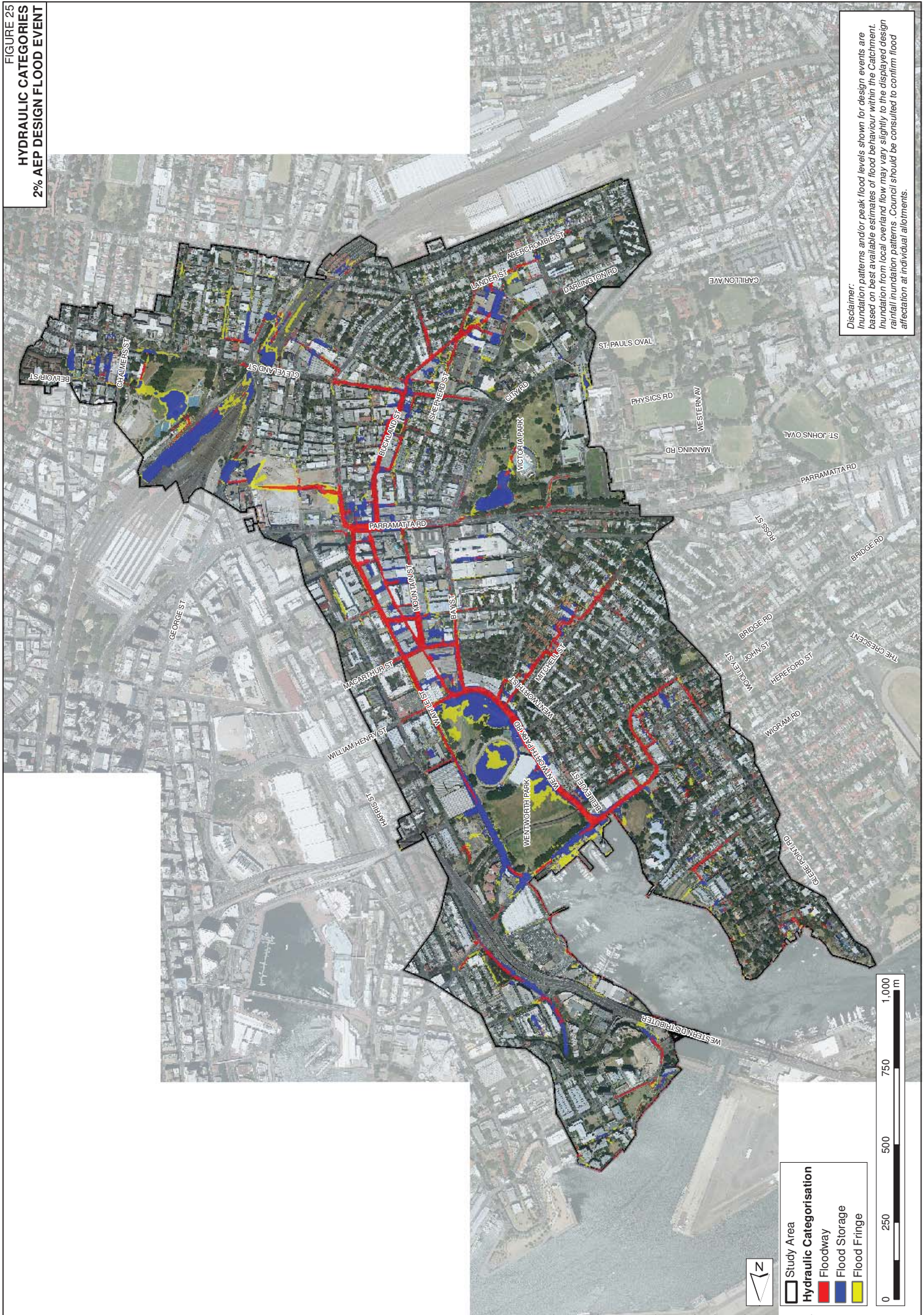
Disclaimer: Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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

FIGURE 24
HYDRAULIC CATEGORIES
5% AEP DESIGN FLOOD EVENT



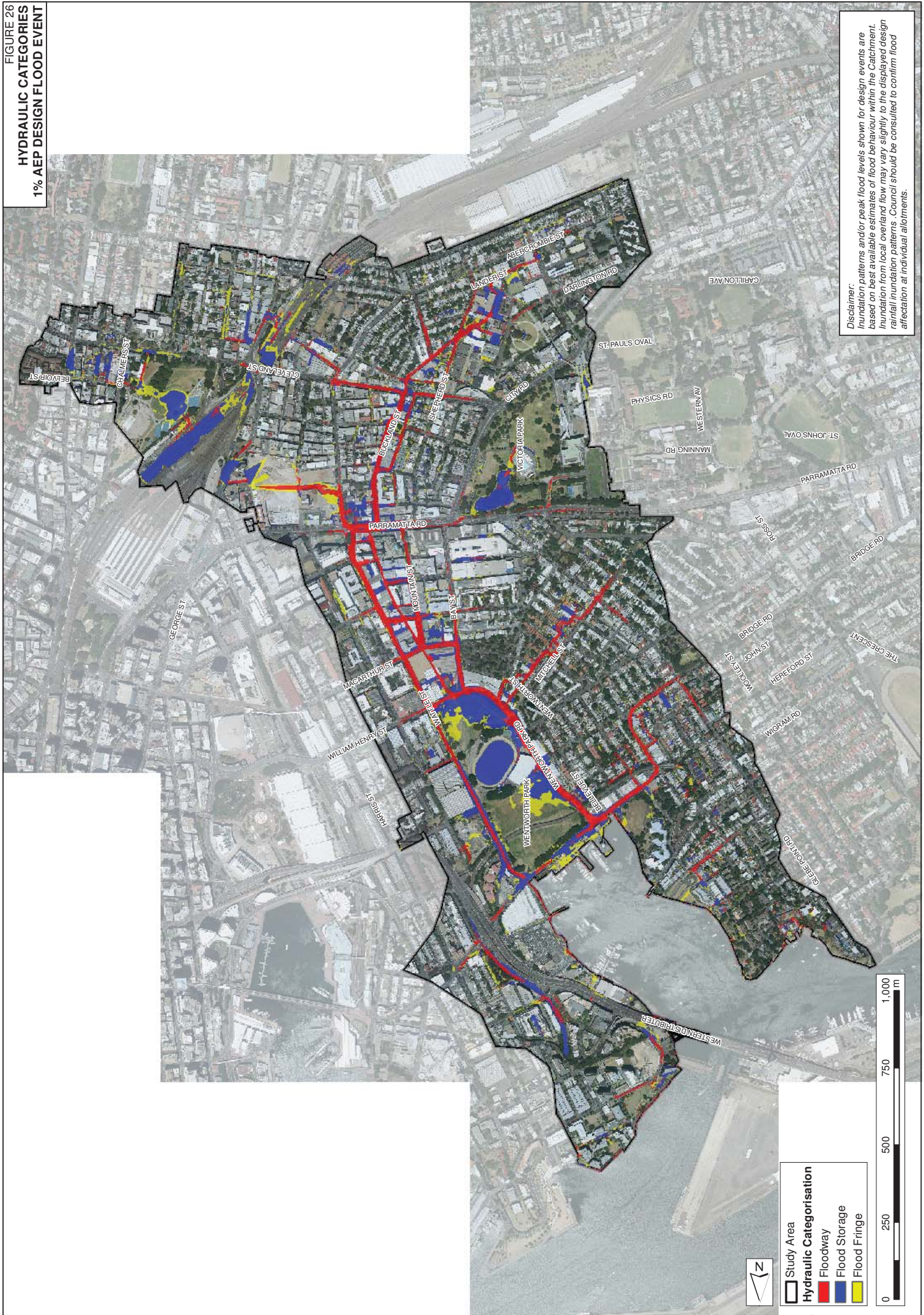
Disclaimer: Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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

FIGURE 25
 HYDRAULIC CATEGORIES
 2% AEP DESIGN FLOOD EVENT



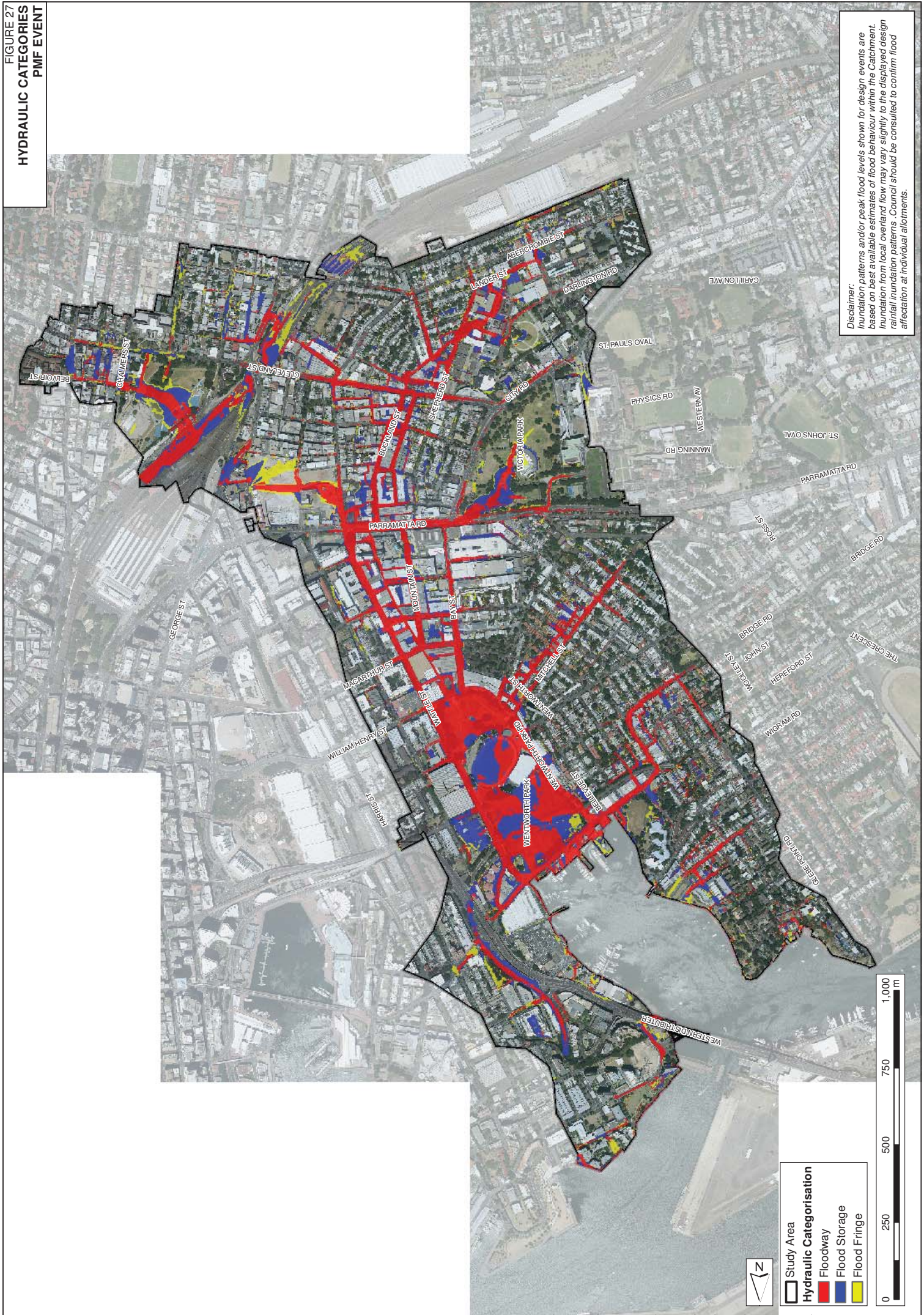
Disclaimer: Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour within the Catchment. Inundation from local overland flow may vary slightly to the displayed design rainfall inundation patterns. Council should be consulted to confirm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

FIGURE 26
HYDRAULIC CATEGORIES
1% AEP DESIGN FLOOD EVENT



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 27
HYDRAULIC CATEGORIES
PMF EVENT



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.






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



FIGURE 28
ACCESS ROAD FLOODING
1% AEP DESIGN FLOOD EVENT

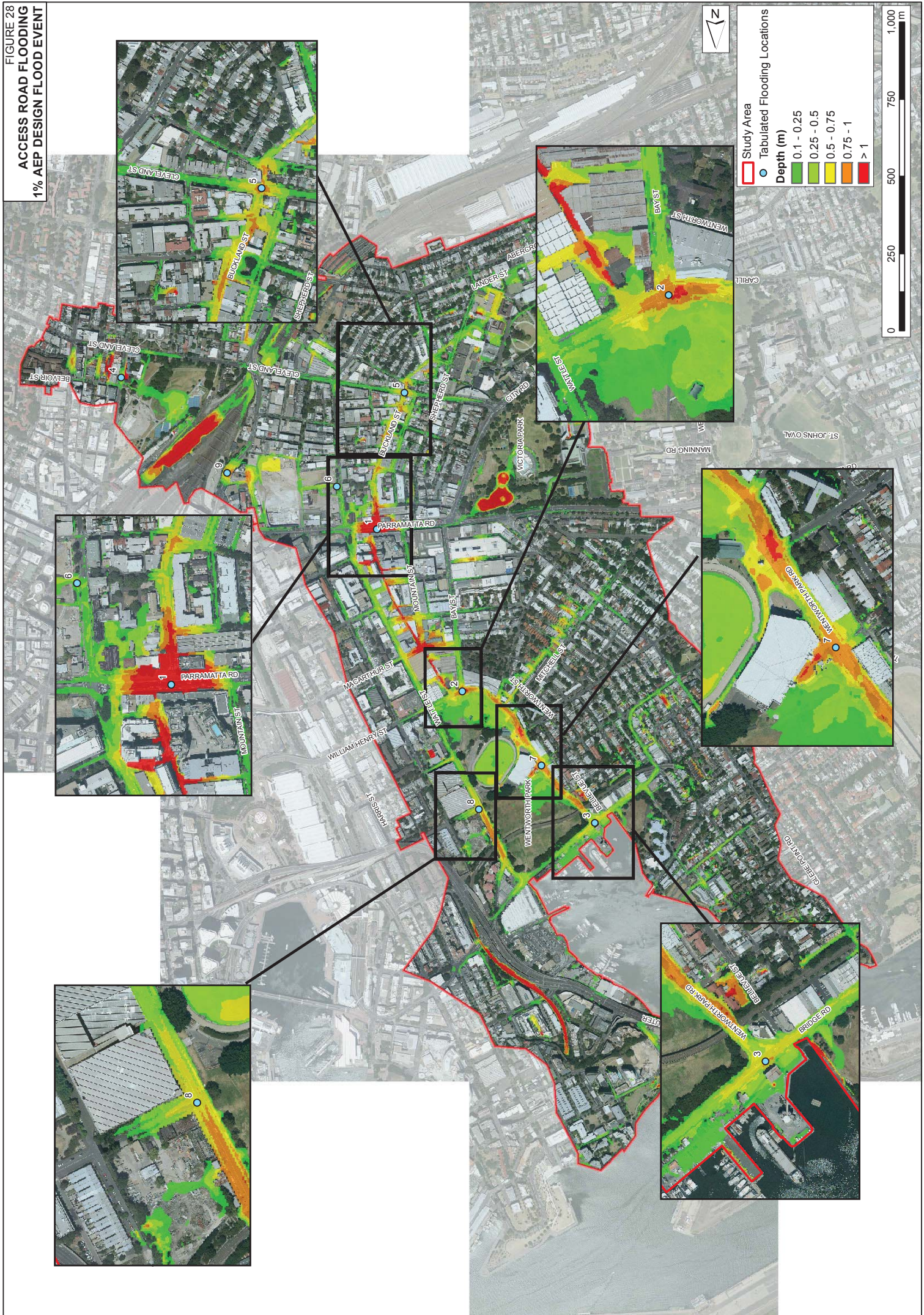
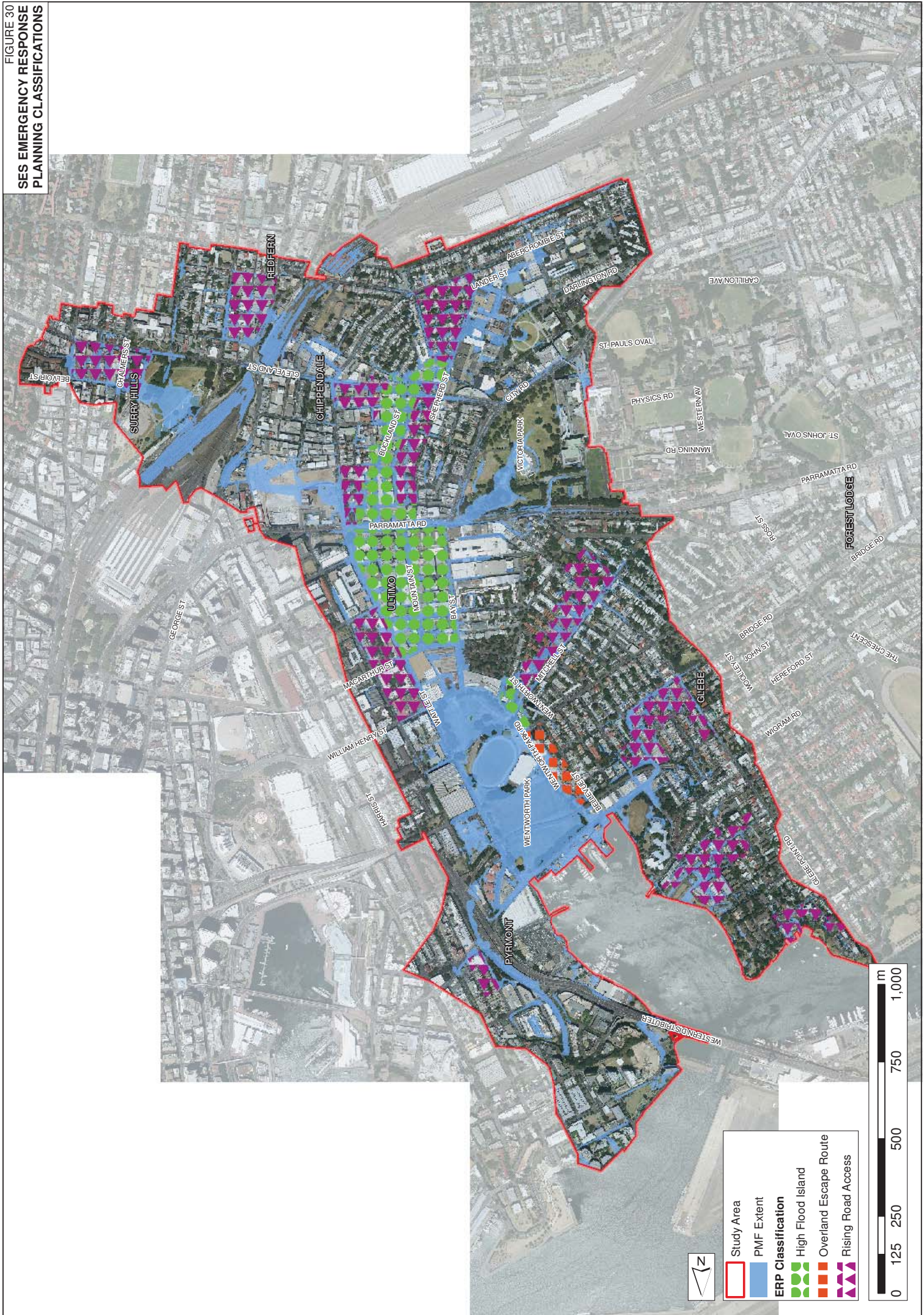


FIGURE 29
 POSSIBLE LOCATIONS
 OF EVACUATION CENTRES
 BLACKWATTLE BAY CATCHMENT



FIGURE 30
SES EMERGENCY RESPONSE
PLANNING CLASSIFICATIONS



- Study Area
- PMF Extent
- ERP Classification**
- High Flood Island
- Overland Escape Route
- Rising Road Access



FIGURE 31
FLOOD PLANNING AREA BASED ON
1% AEP FLOOD EXTENT
+0.5M FREEBOARD

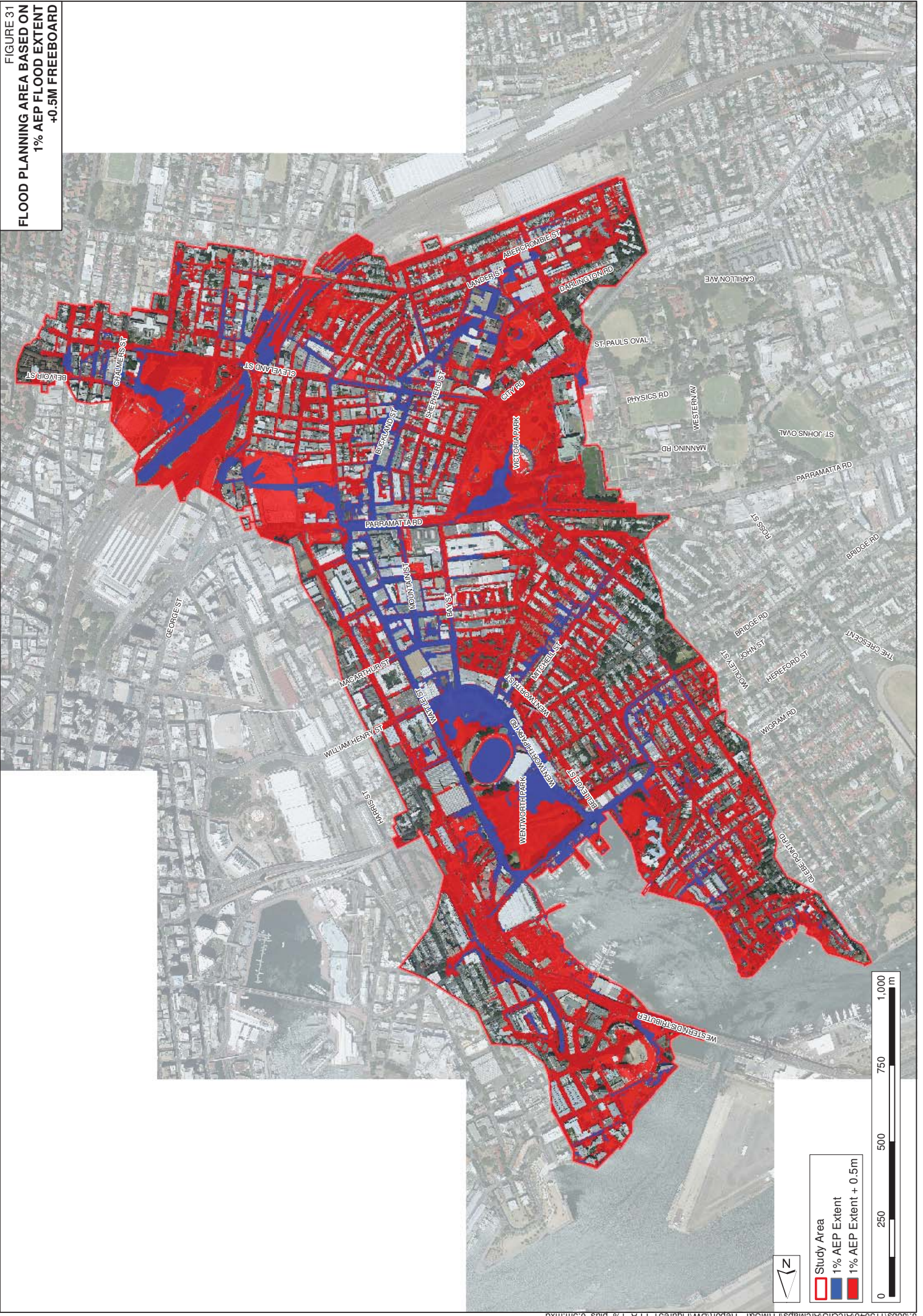


FIGURE 32
**FLOOD RISK MITIGATION MANAGEMENT OPTIONS
 BLACKWATTLE BAY CATCHMENT**



FM-BB01 Additional Drainage and Detention Basin
 Add drainage pipe along Belvoir St and drain to a detention basin in Prince Alfred Park

FM-BB07 Drainage Upgrade and Underground Storage
 Upgrade capacity of trunk drainage between Wentworth Park and Cleveland St and put an underground storage tank under the council depot

FM-BB05 Additional Drainage
 Provide additional drainage pipes from City Rd/Broadway to Victoria Park

FM-BB02 Additional Drainage
 Add drainage pipe along Mitchell St

FM-BB03 Additional Outlet
 Add an additional outlet into the bay opposite Bellevue St

FM-BB06 Underground Storage
 Put an underground storage tank under the council depot

FM-BB04 Drainage Upgrade and Additional Outlet
 Add an additional outlet and upgrade the approach pipes along Bridge Rd

Legend

- Study Area
- New/Upgrade Pits
- New/Upgrade Pipes
- Detention Storage

