

Leichhardt Flood Study

FINAL REPORT

LJ2629

Prepared for Leichhardt Council

17 November 2014

Volume 2



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Document Control

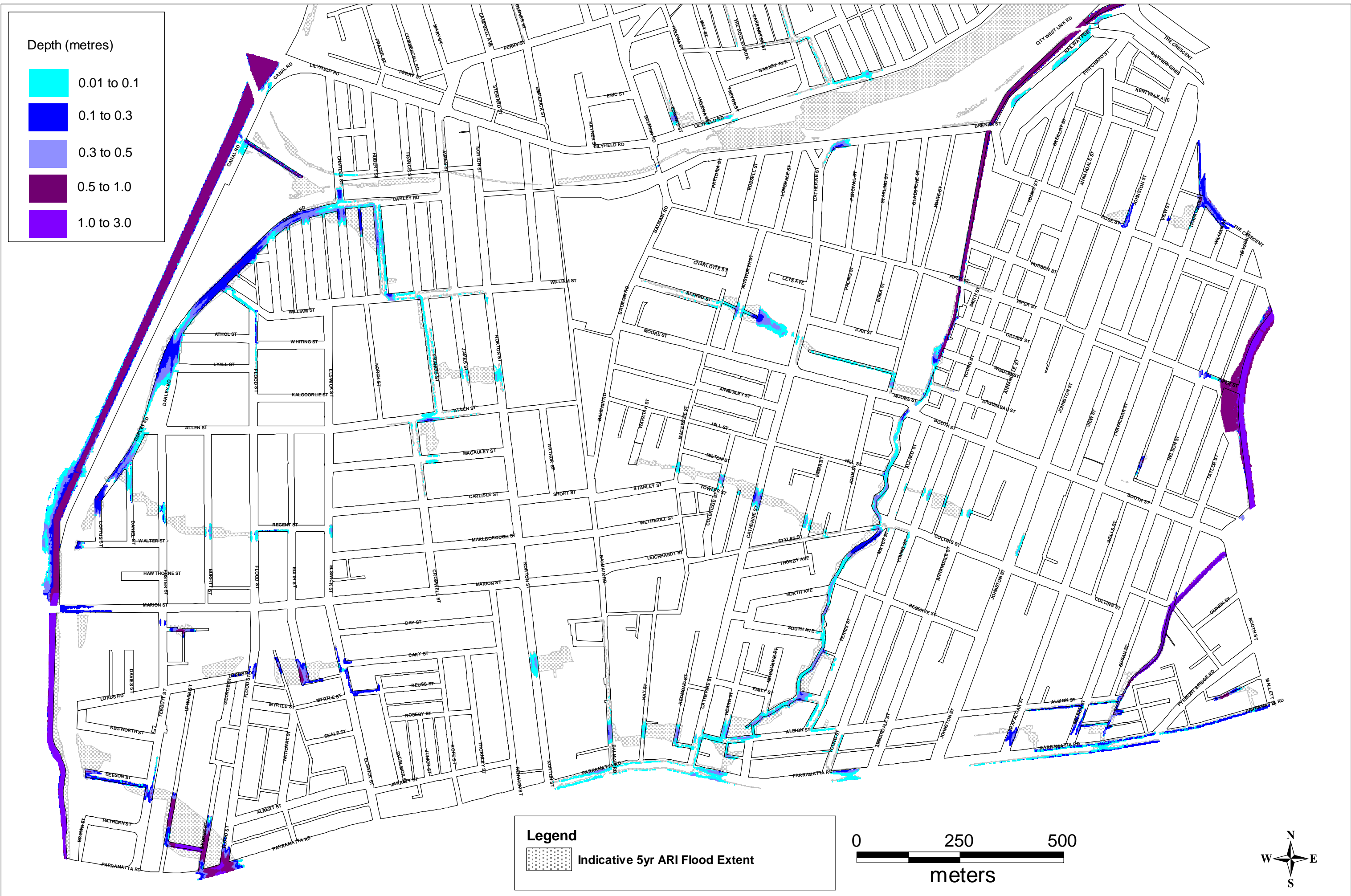
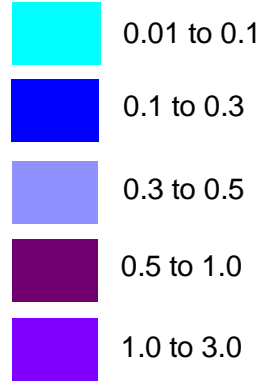
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1	Working Draft	20 November 2009	Bala Kilaparty BSK	Rhys Thomson RST
2	Draft	10 February 2010	Rhys Thomson/ Bala Kilaparty	RST/ BSK Louise Collier LCC
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6	Final	7 November 2014	Heath Sommerville	HCS David Paton DP
7	Final	17 November 2014	Bala Kilaparty Heath Sommerville	BSK / HCS David Paton DP

Front cover: Upper photographs: Features in the Leichhardt LGA Floodplain

Lower photographs: Historical flooding photographs in the Leichhardt area courtesy of Vera Nadile.

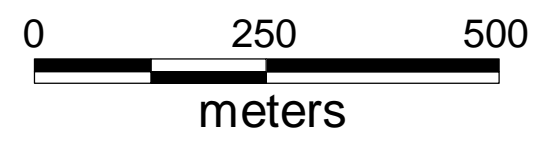
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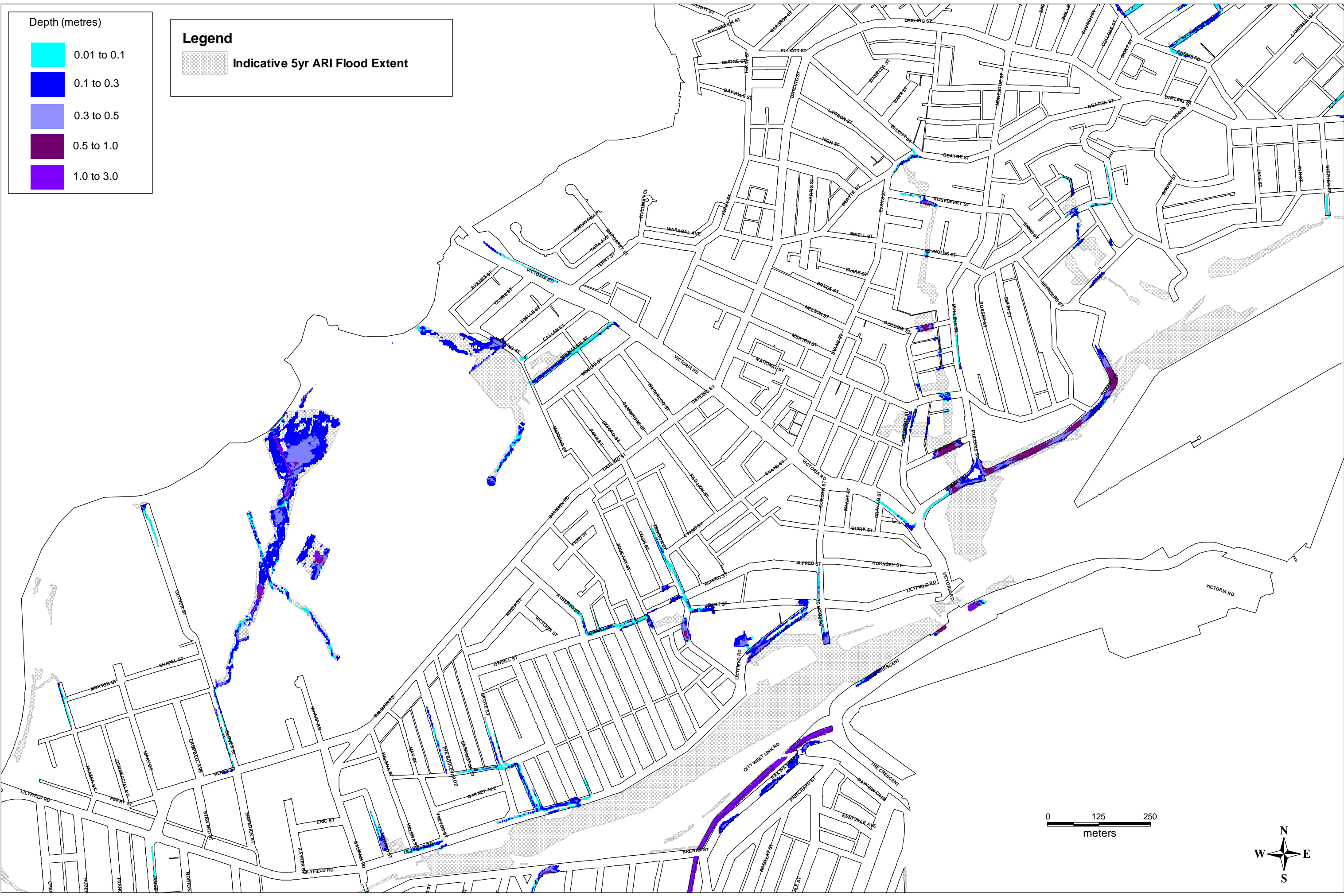
Depth (metres)



Legend

 Indicative 5yr ARI Flood Extent










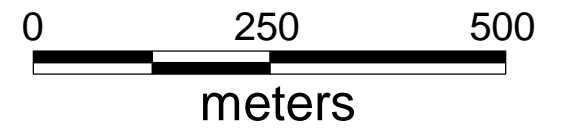
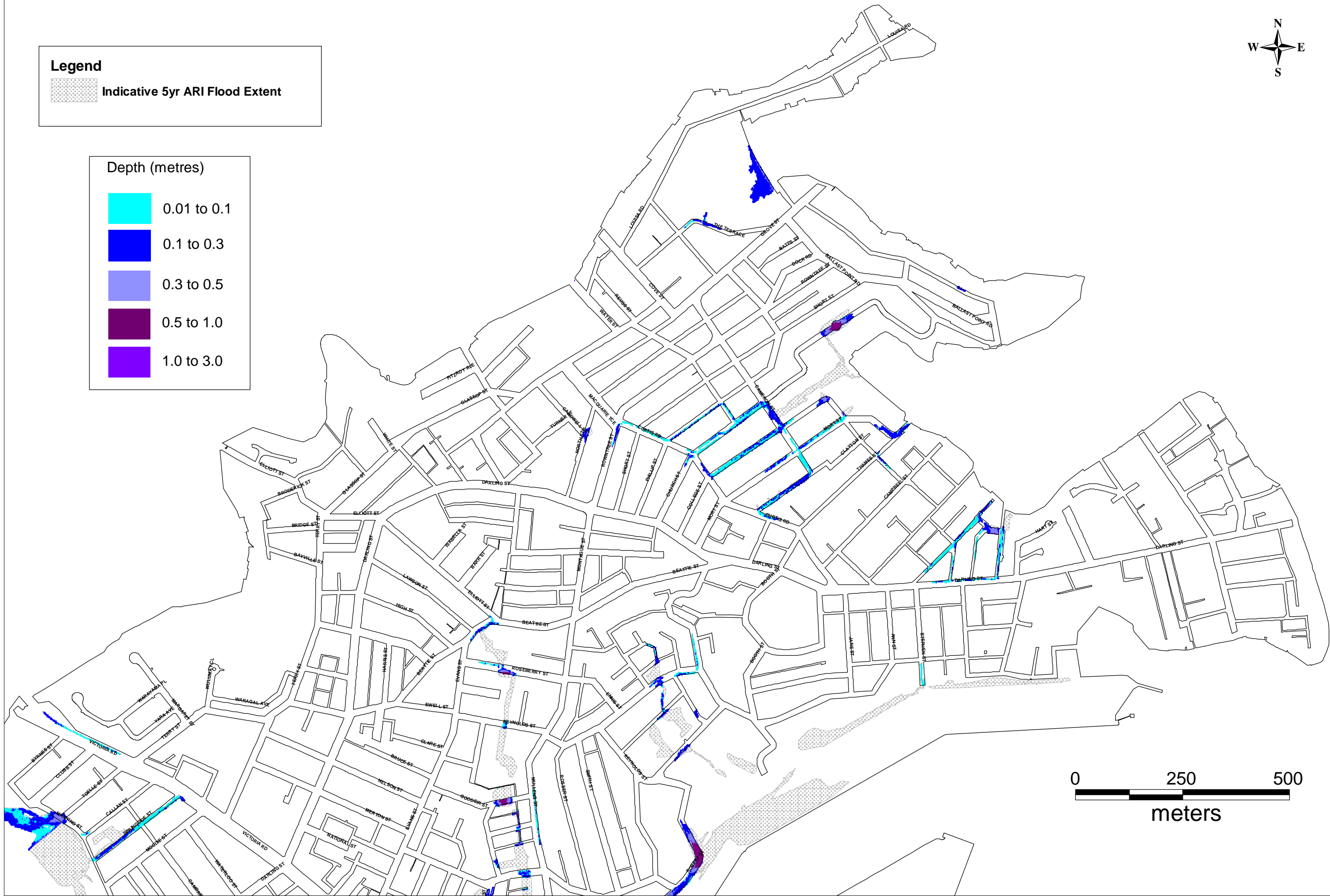


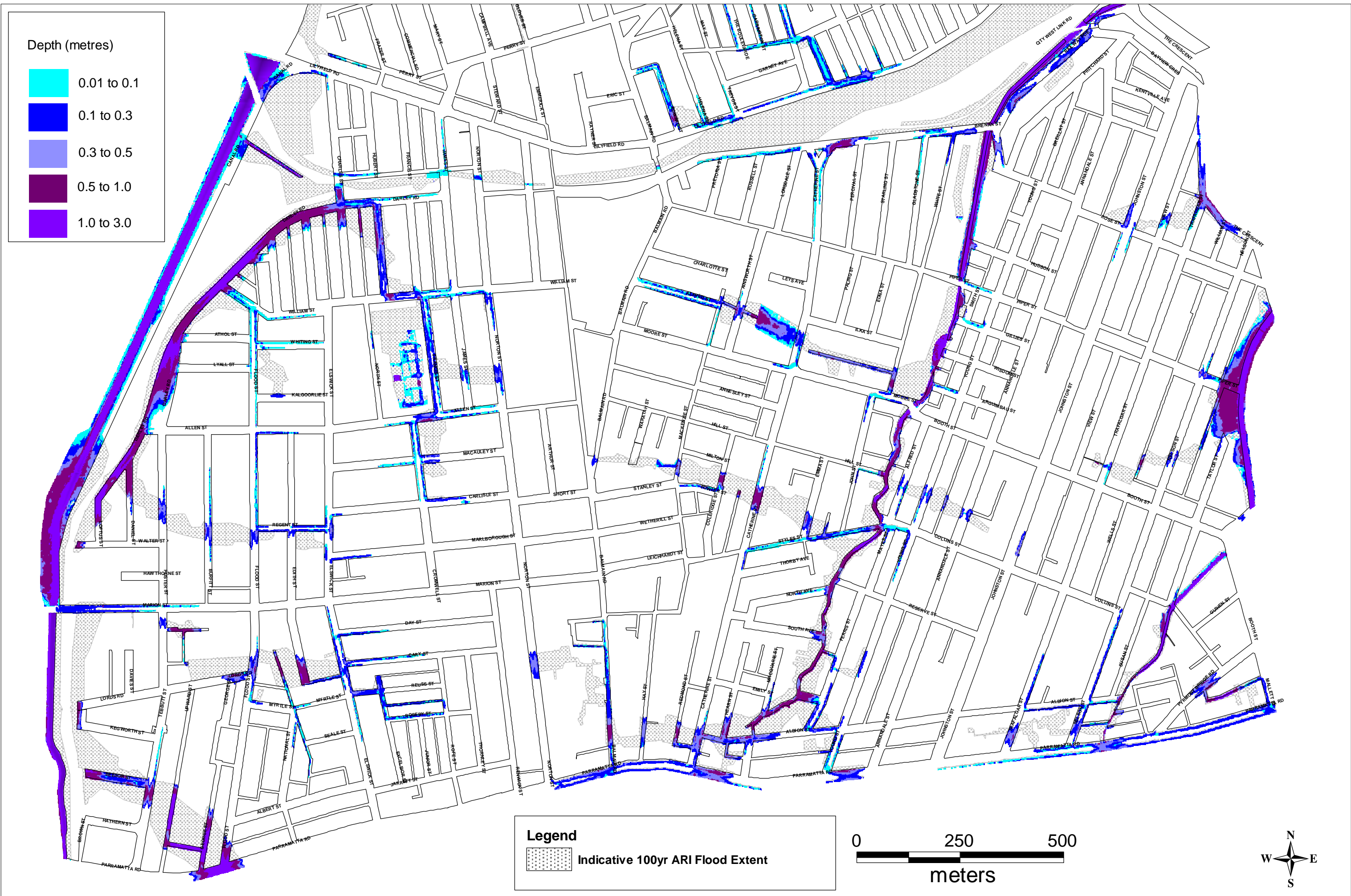
Legend

 Indicative 5yr ARI Flood Extent

Depth (metres)

	0.01 to 0.1
	0.1 to 0.3
	0.3 to 0.5
	0.5 to 1.0
	1.0 to 3.0





Depth (metres)

- 0.01 to 0.1
- 0.1 to 0.3
- 0.3 to 0.5
- 0.5 to 1.0
- 1.0 to 3.0

Legend
 Indicative 100yr ARI Flood Extent

0 250 500
 meters



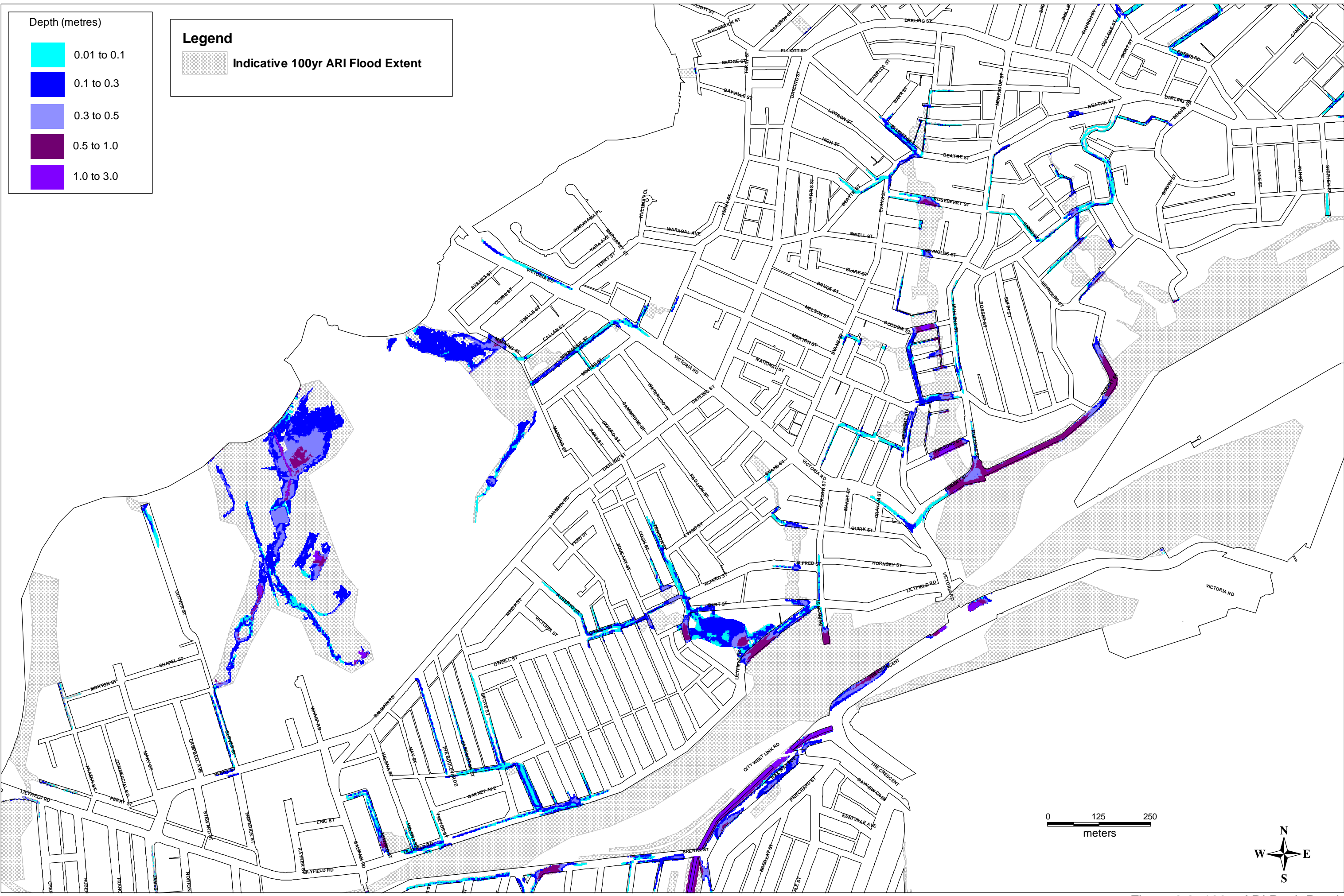







Figure 8.2- 100yr ARI Peak Depth Sheet2

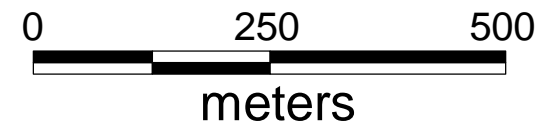
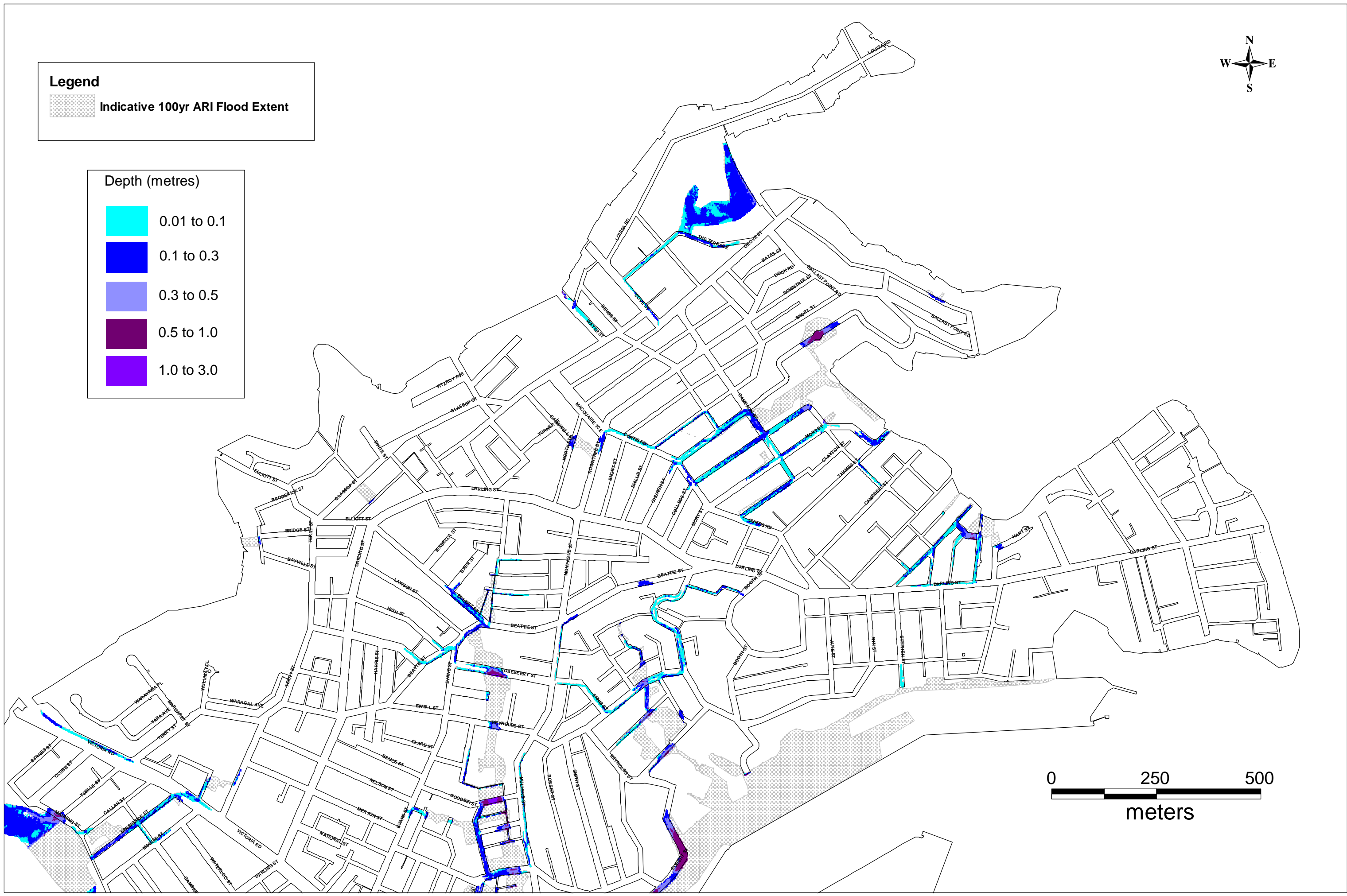


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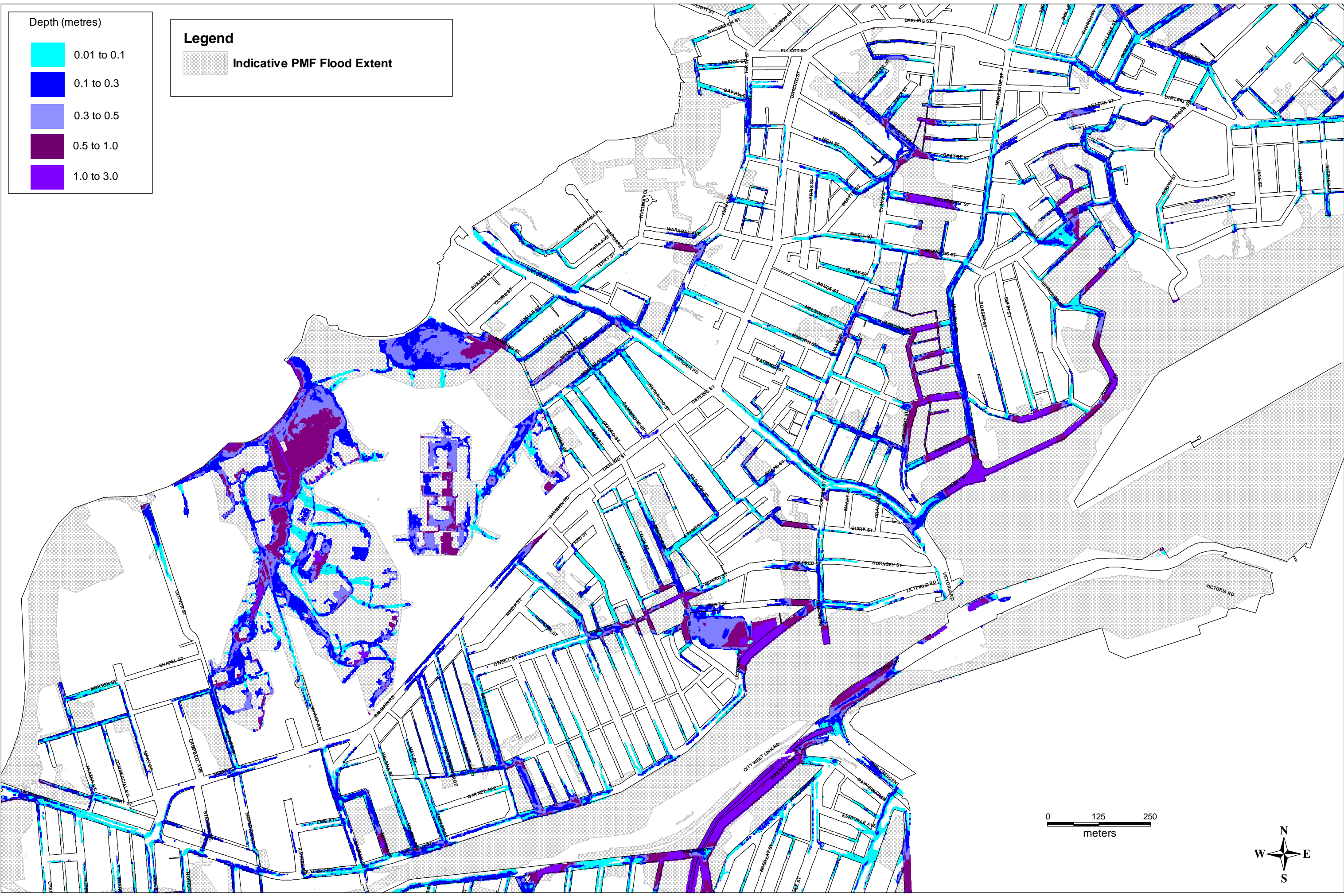
 Indicative 100yr ARI Flood Extent

Depth (metres)

	0.01 to 0.1
	0.1 to 0.3
	0.3 to 0.5
	0.5 to 1.0
	1.0 to 3.0














Legend

 Indicative PMF Flood Extent

Depth (metres)

	0.01 to 0.1
	0.1 to 0.3
	0.3 to 0.5
	0.5 to 1.0
	1.0 to 3.0



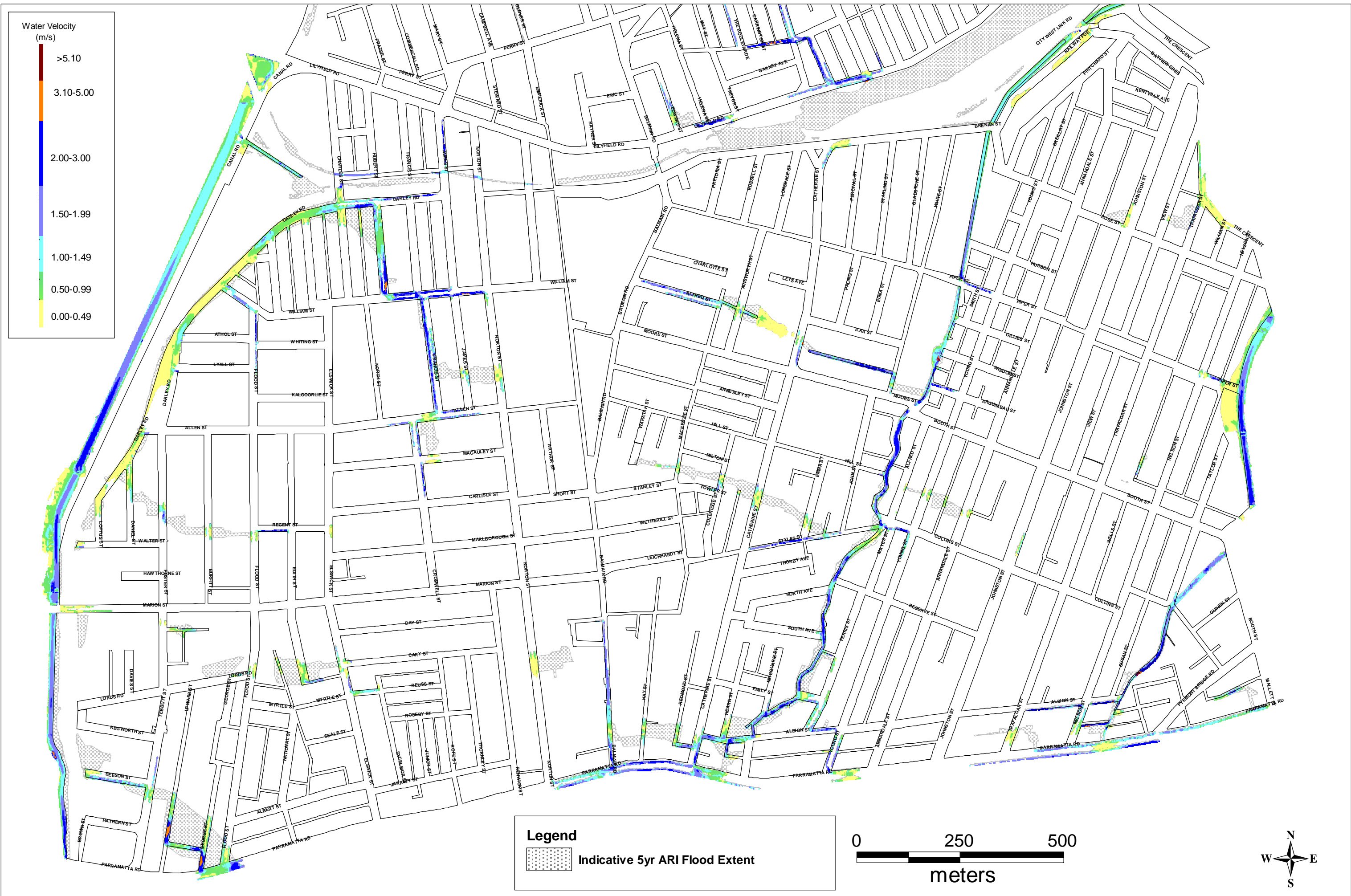
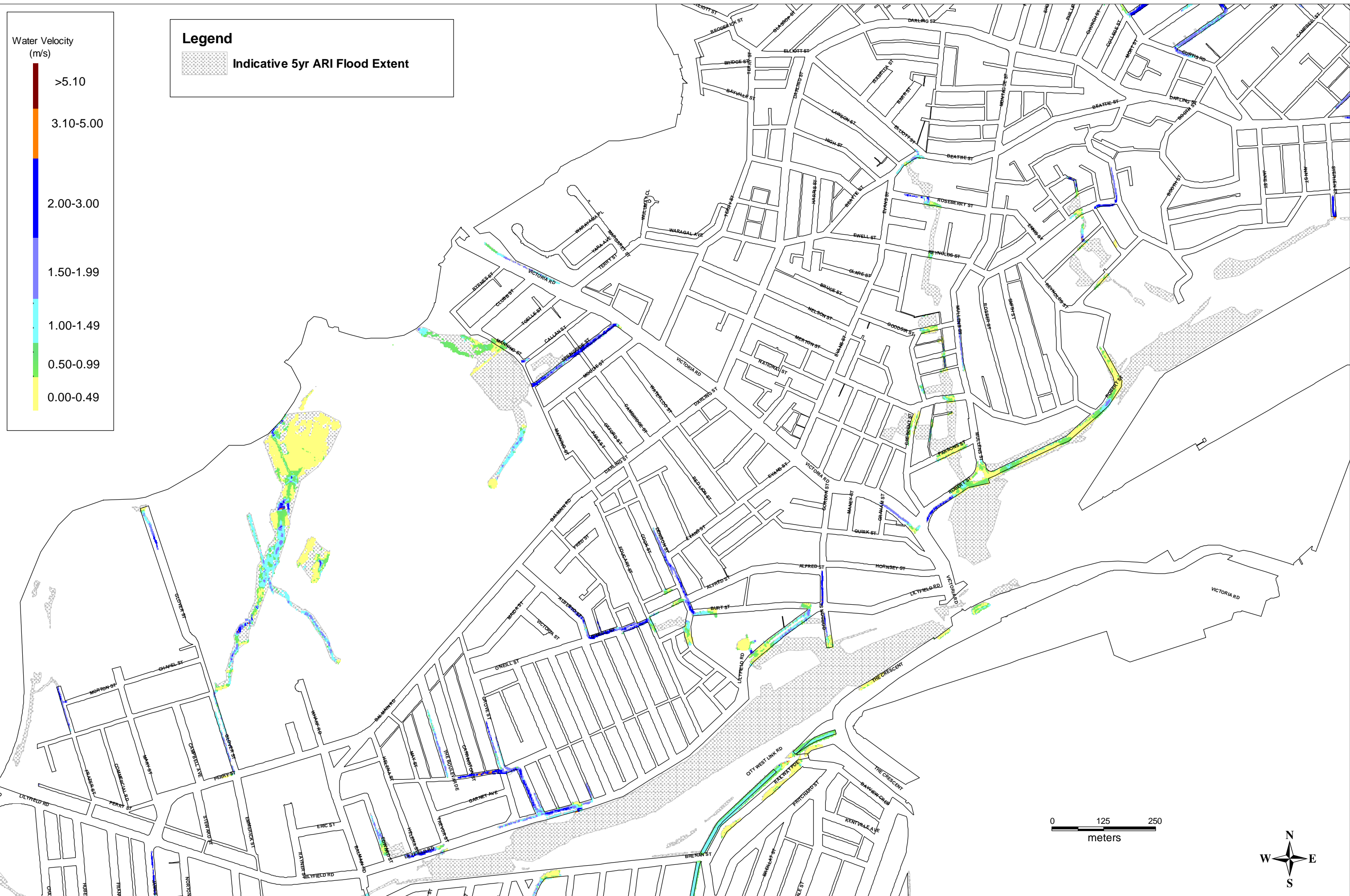


Figure 8.4- 5yr ARI Peak Velocity
Sheet1










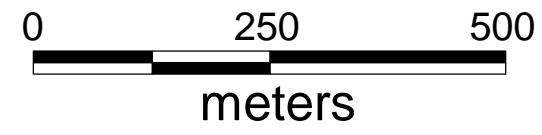
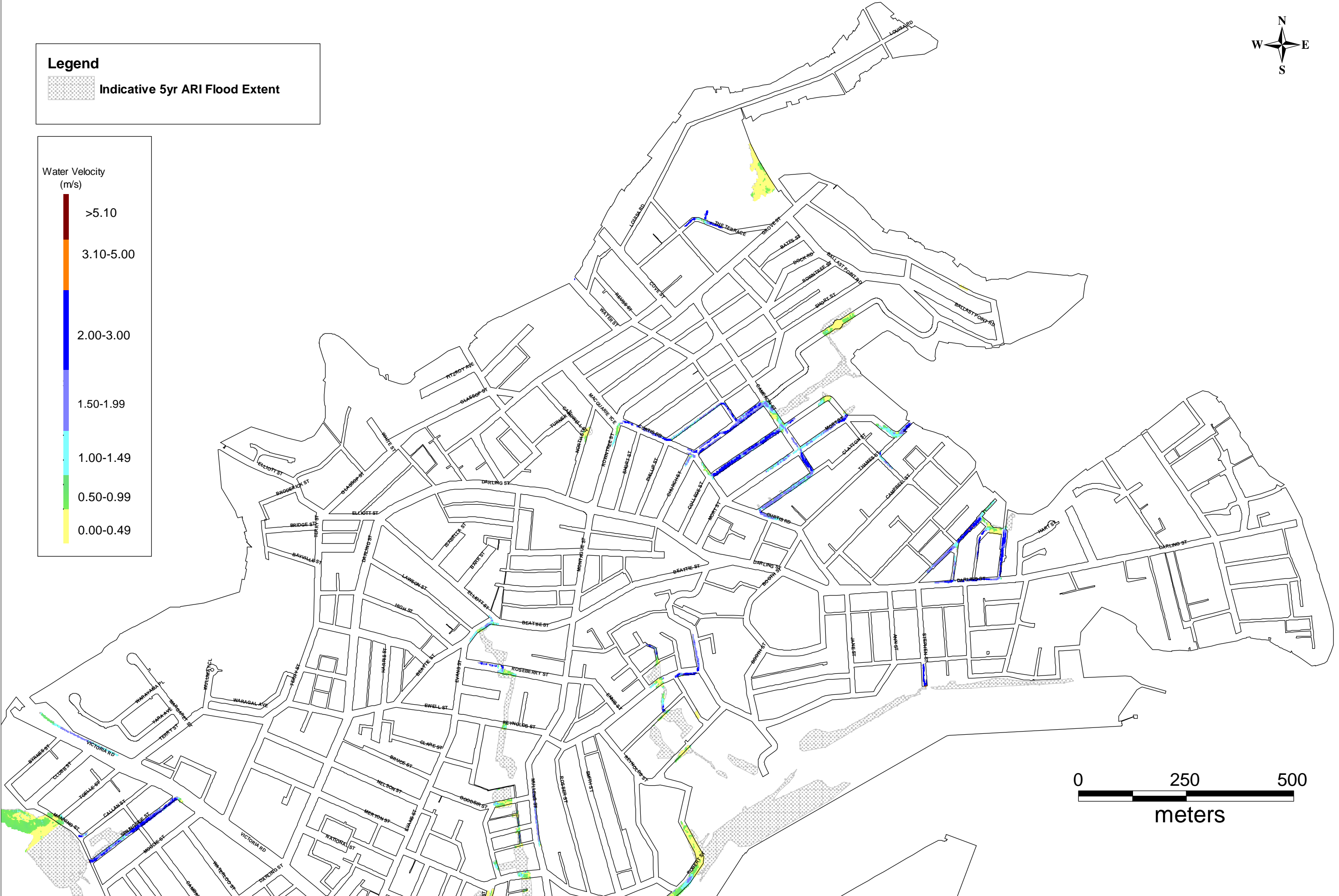


Legend

 Indicative 5yr ARI Flood Extent

Water Velocity (m/s)

	>5.10
	3.10-5.00
	2.00-3.00
	1.50-1.99
	1.00-1.49
	0.50-0.99
	0.00-0.49



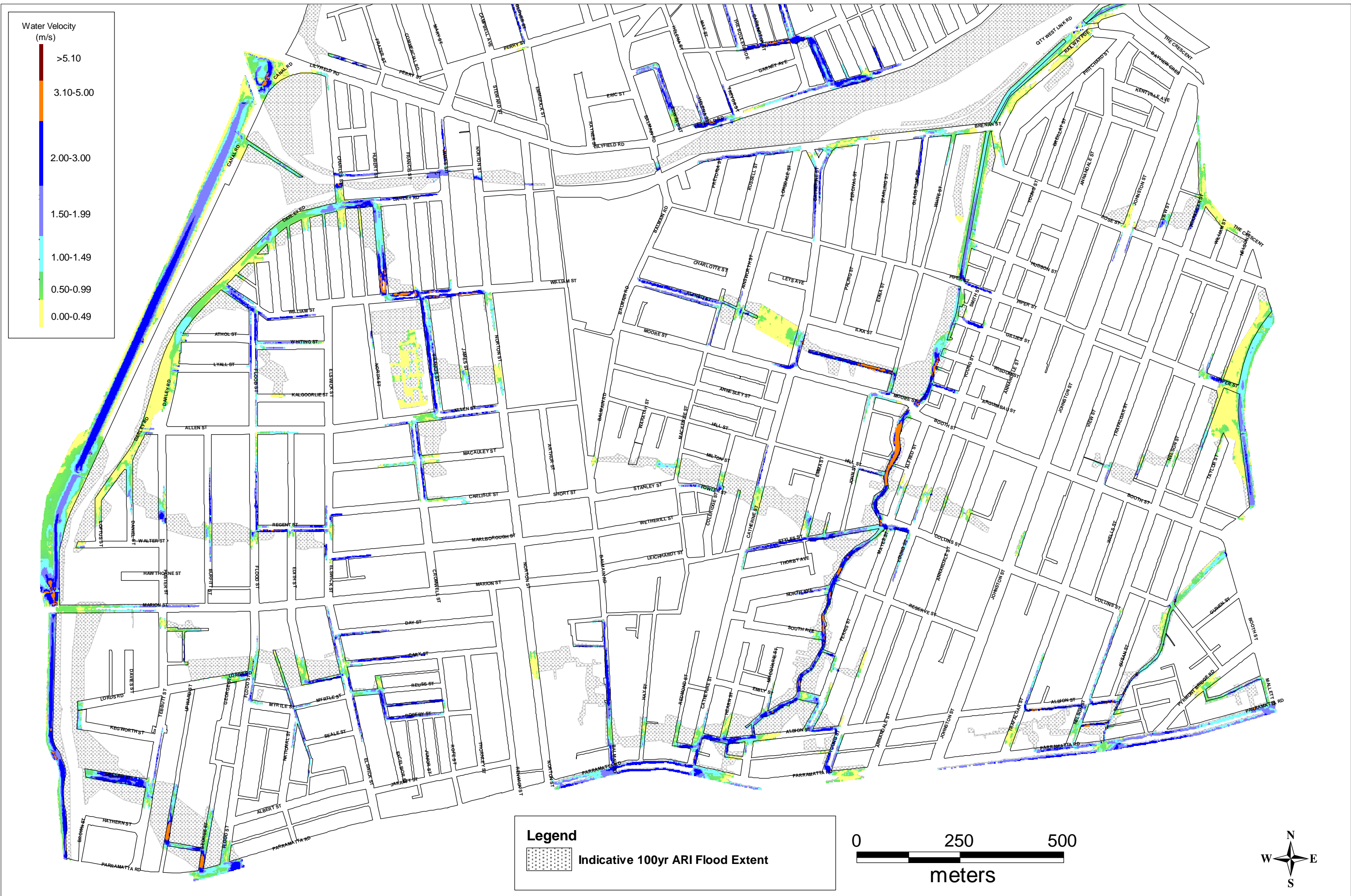
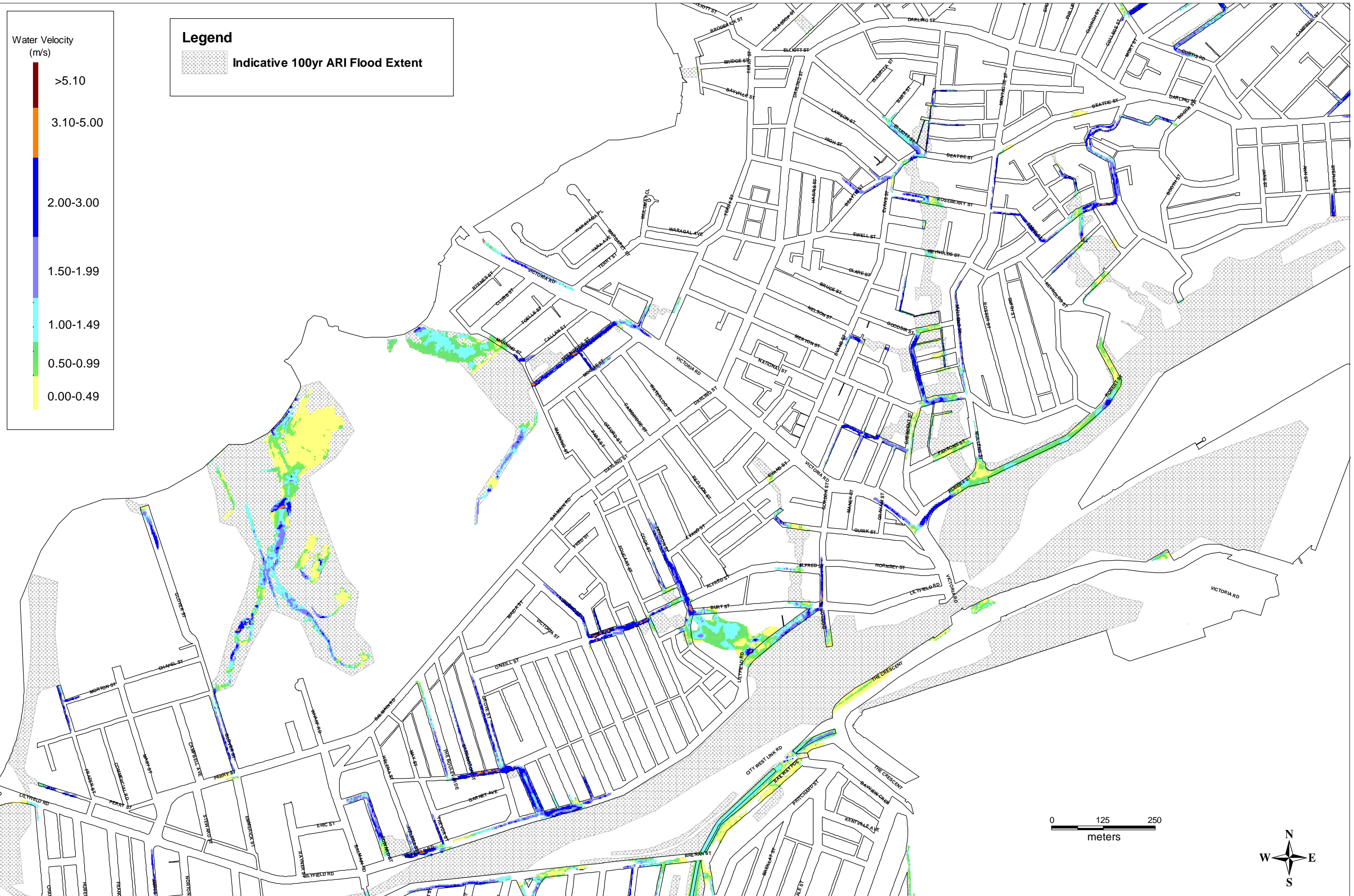


Figure 8.5- 100yr ARI Peak Velocity Sheet1

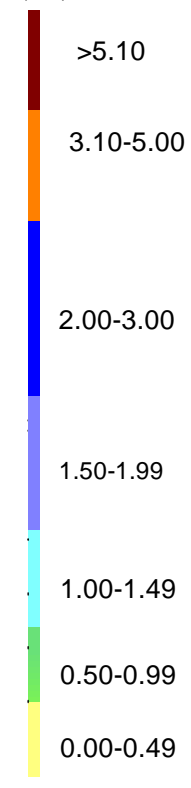




Legend

 Indicative 100yr ARI Flood Extent

Water Velocity (m/s)



>5.10
3.10-5.00
2.00-3.00
1.50-1.99
1.00-1.49
0.50-0.99
0.00-0.49

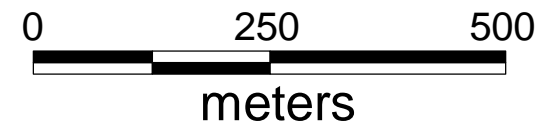
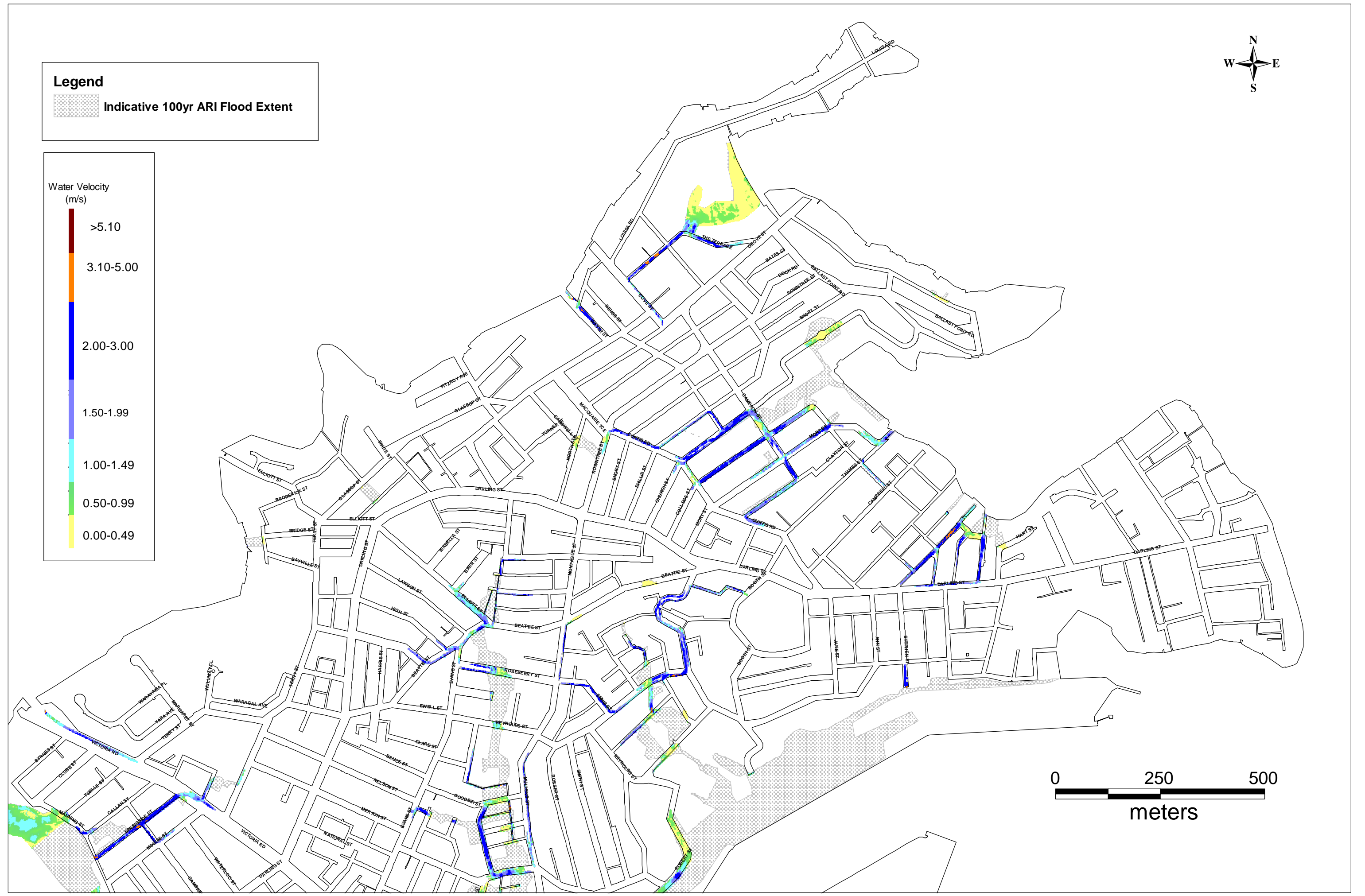
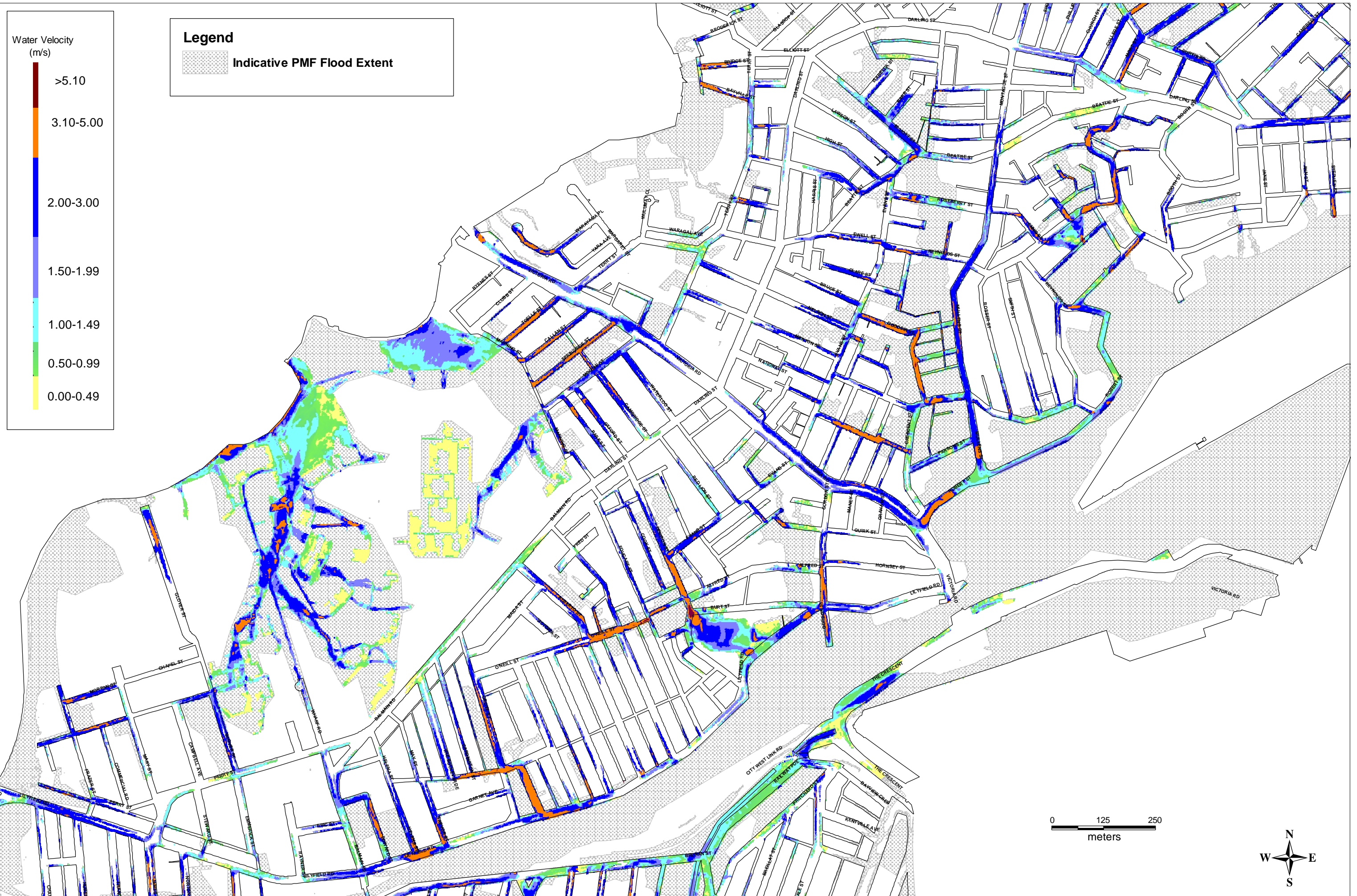


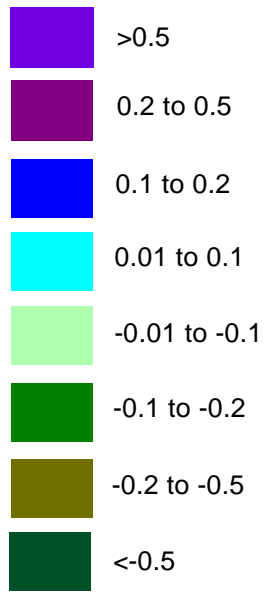


Figure 8.6- PMF Peak Velocity Sheet1



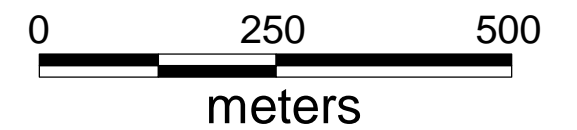
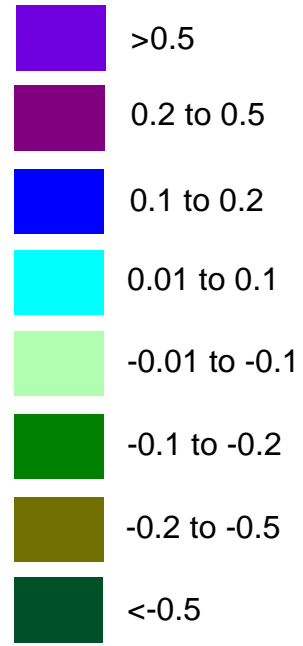


Peak Water Level Difference
metres



Peak Water Level Difference

metres



Peak Water Level Difference
metres

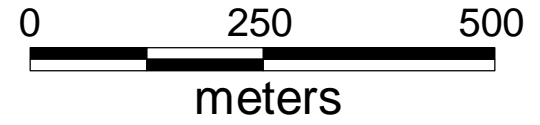
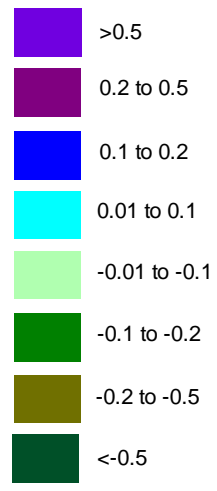
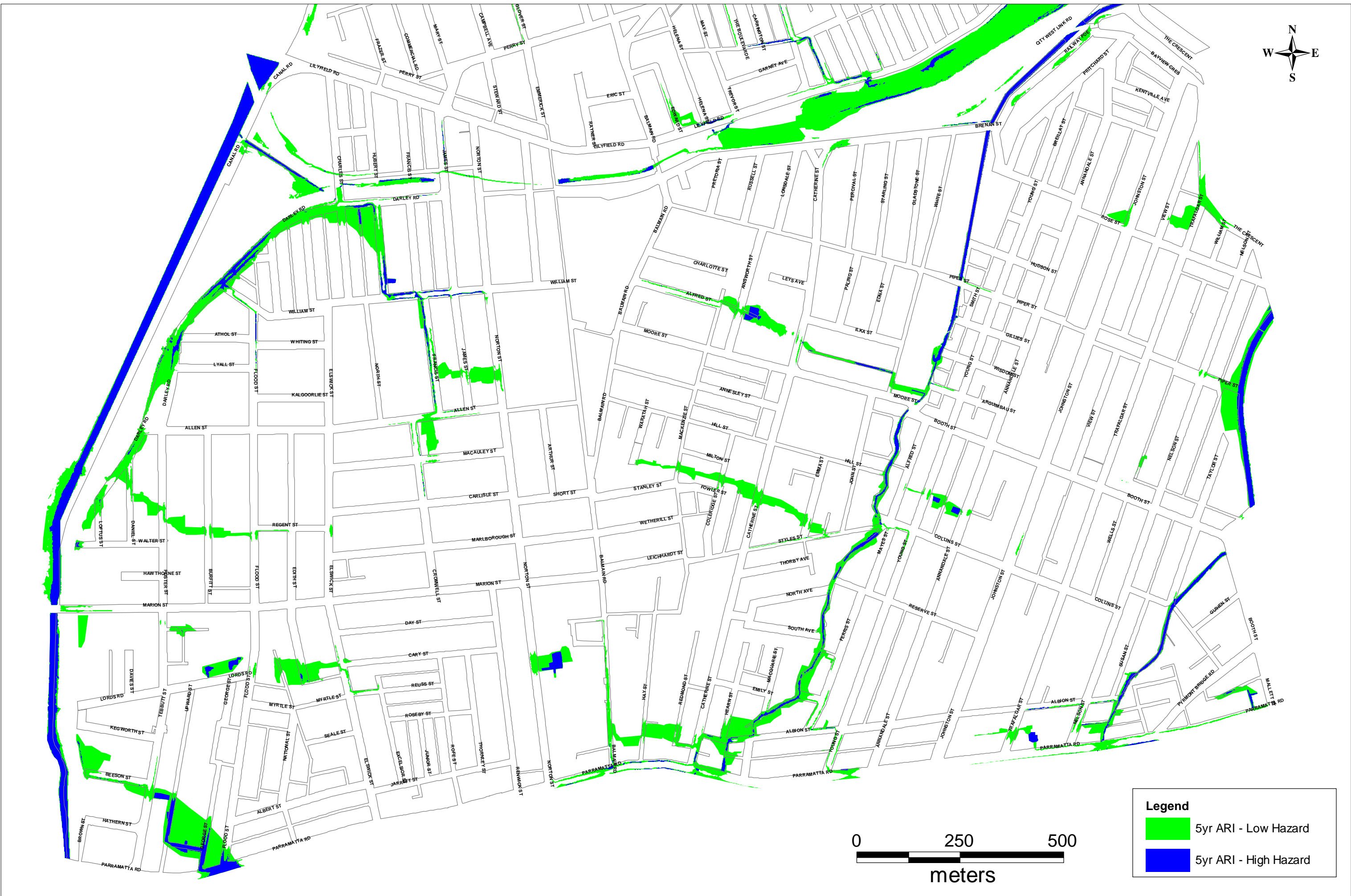


Figure 8.8 - 100yr ARI Culvert Blockages



Legend

- 5yr ARI - Low Hazard
- 5yr ARI - High Hazard



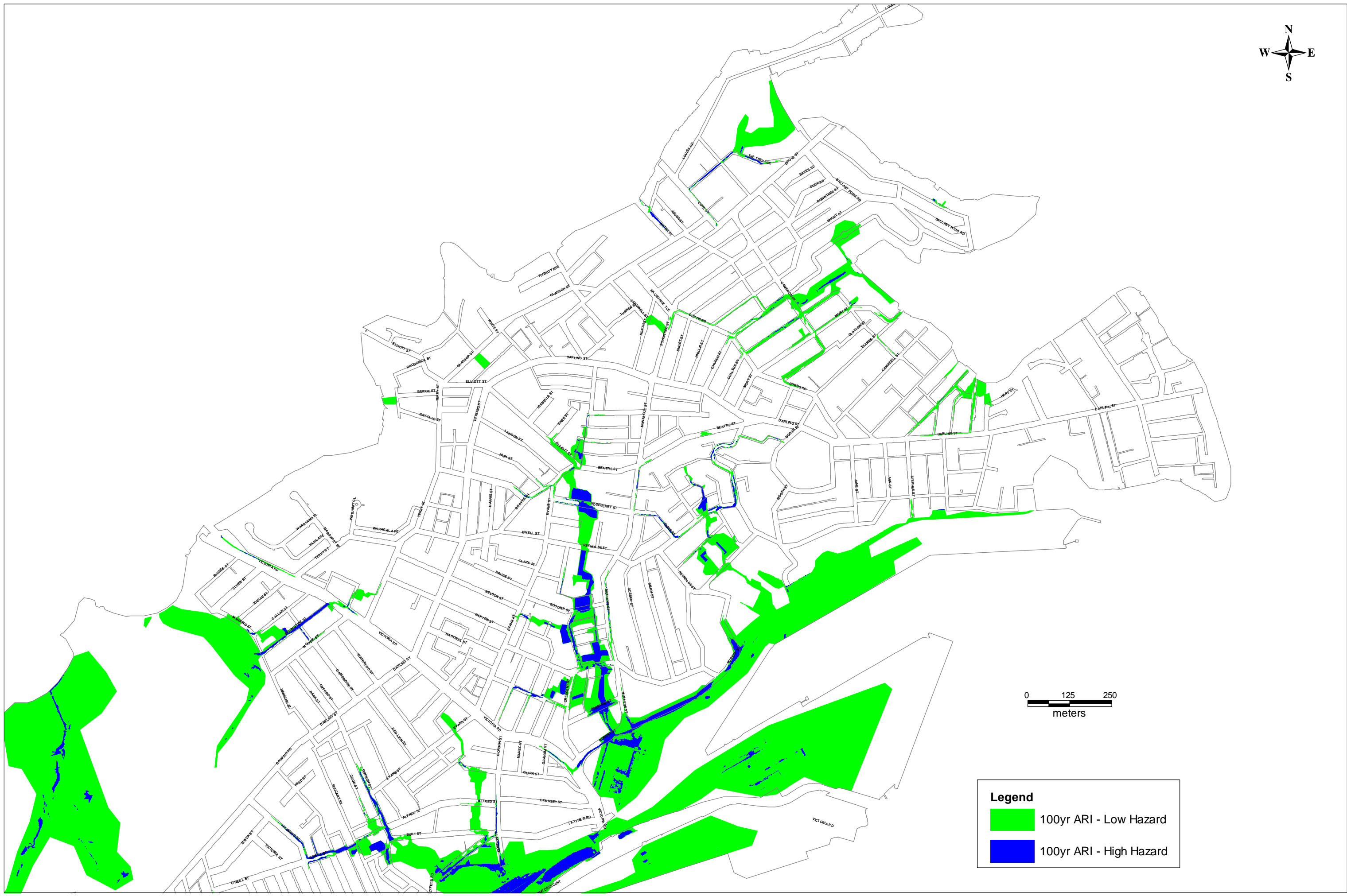


Legend

- 5yr ARI - Low Hazard
- 5yr ARI - High Hazard







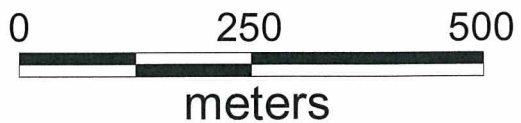
Legend

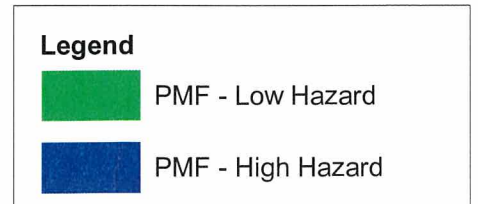
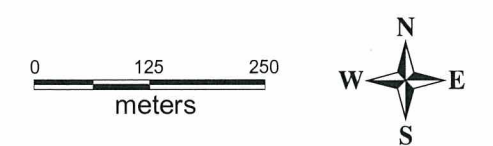
- 100yr ARI - Low Hazard
- 100yr ARI - High Hazard

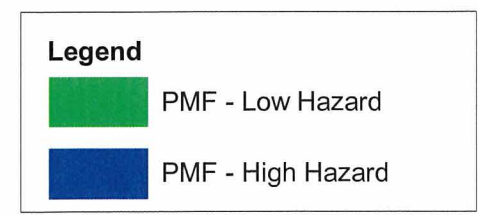
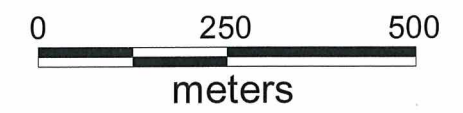
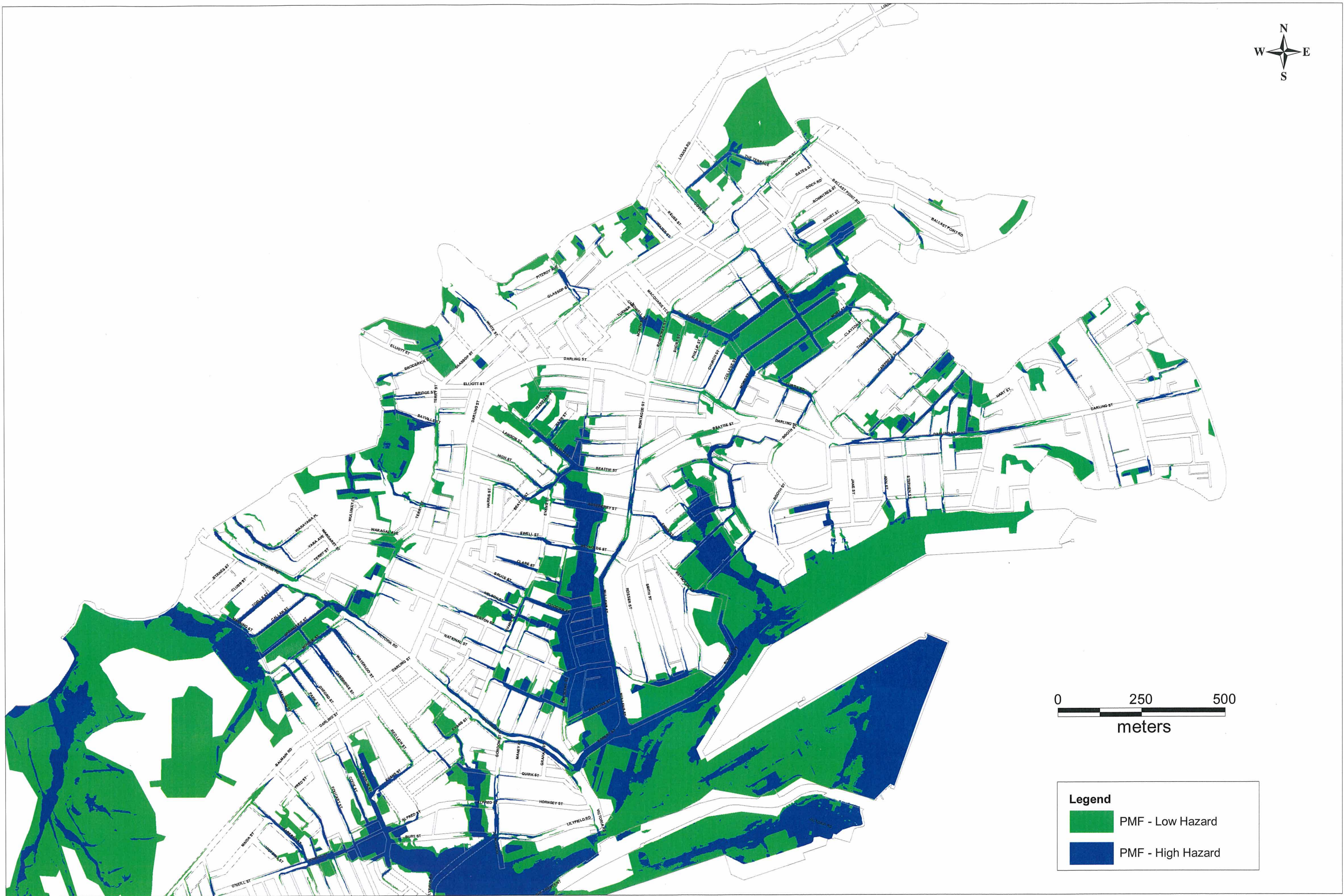


Legend

- PMF - Low Hazard
- PMF - High Hazard









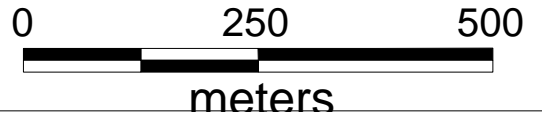
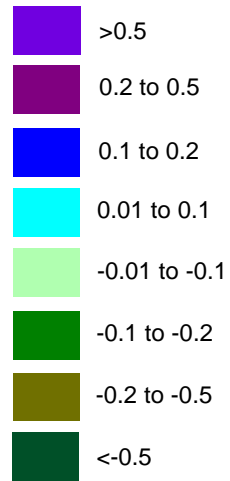


Figure 10.2 - Estuarine Inundation

Peak Water Level Difference

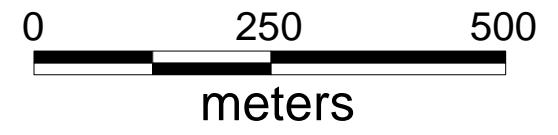
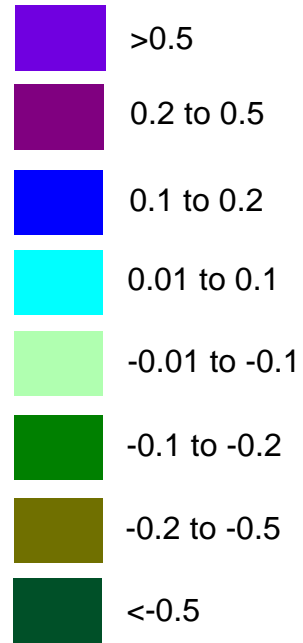
metres



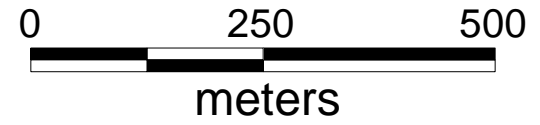
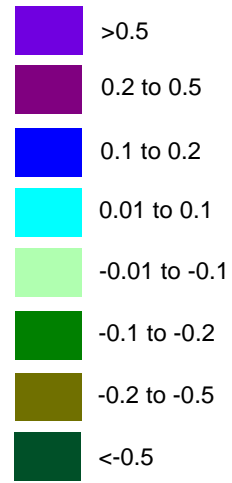


Peak Water Level Difference

metres

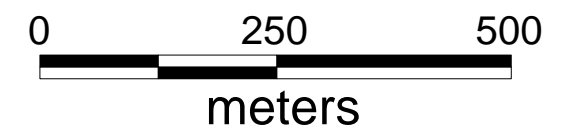
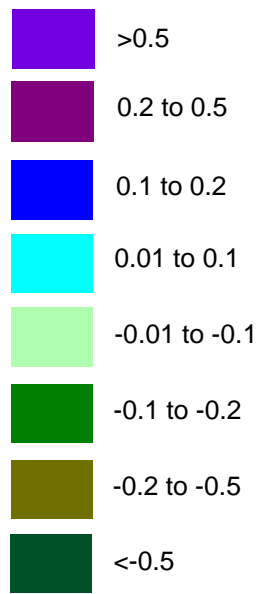


Peak Water Level Difference
metres



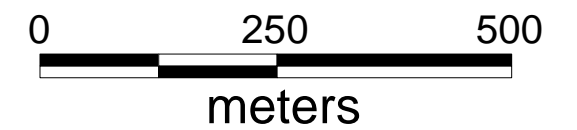
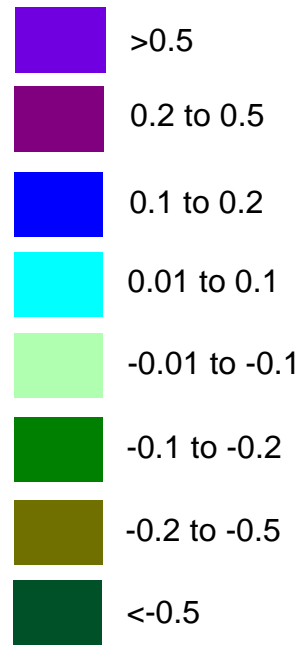
Peak Water Level Difference

metres



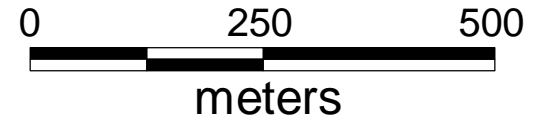
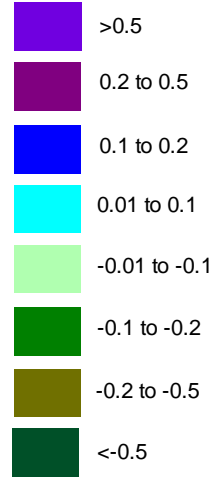
Peak Water Level Difference

metres



Peak Water Level Difference

metres

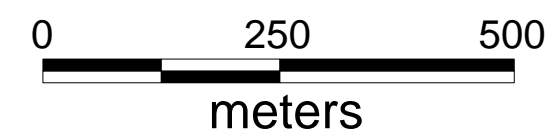




Peak Water Level Difference

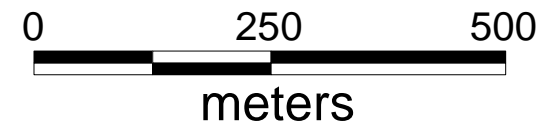
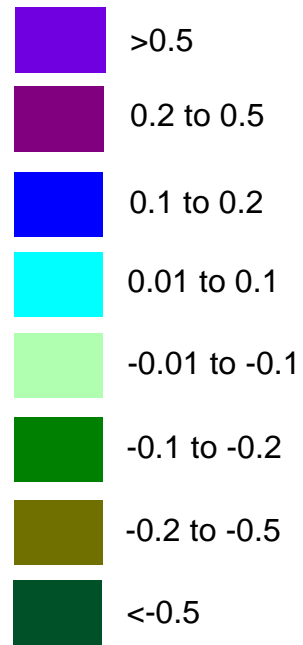
metres

- >0.5
- 0.2 to 0.5
- 0.1 to 0.2
- 0.01 to 0.1
- 0.01 to -0.1
- 0.1 to -0.2
- 0.2 to -0.5
- <-0.5

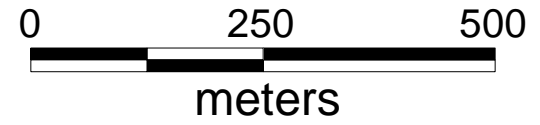
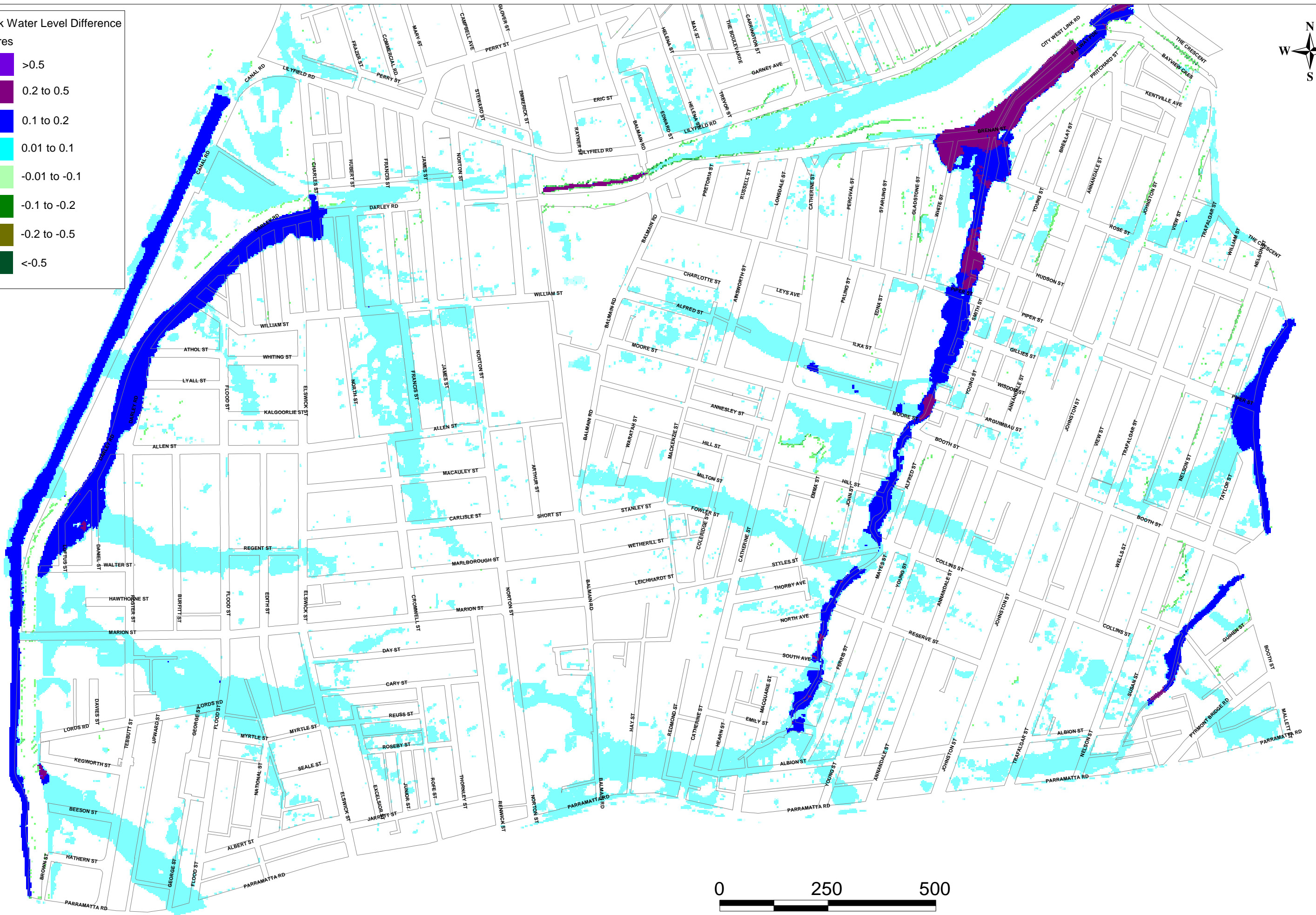
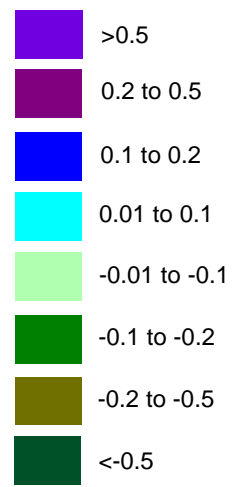


Peak Water Level Difference

metres



Peak Water Level Difference
metres



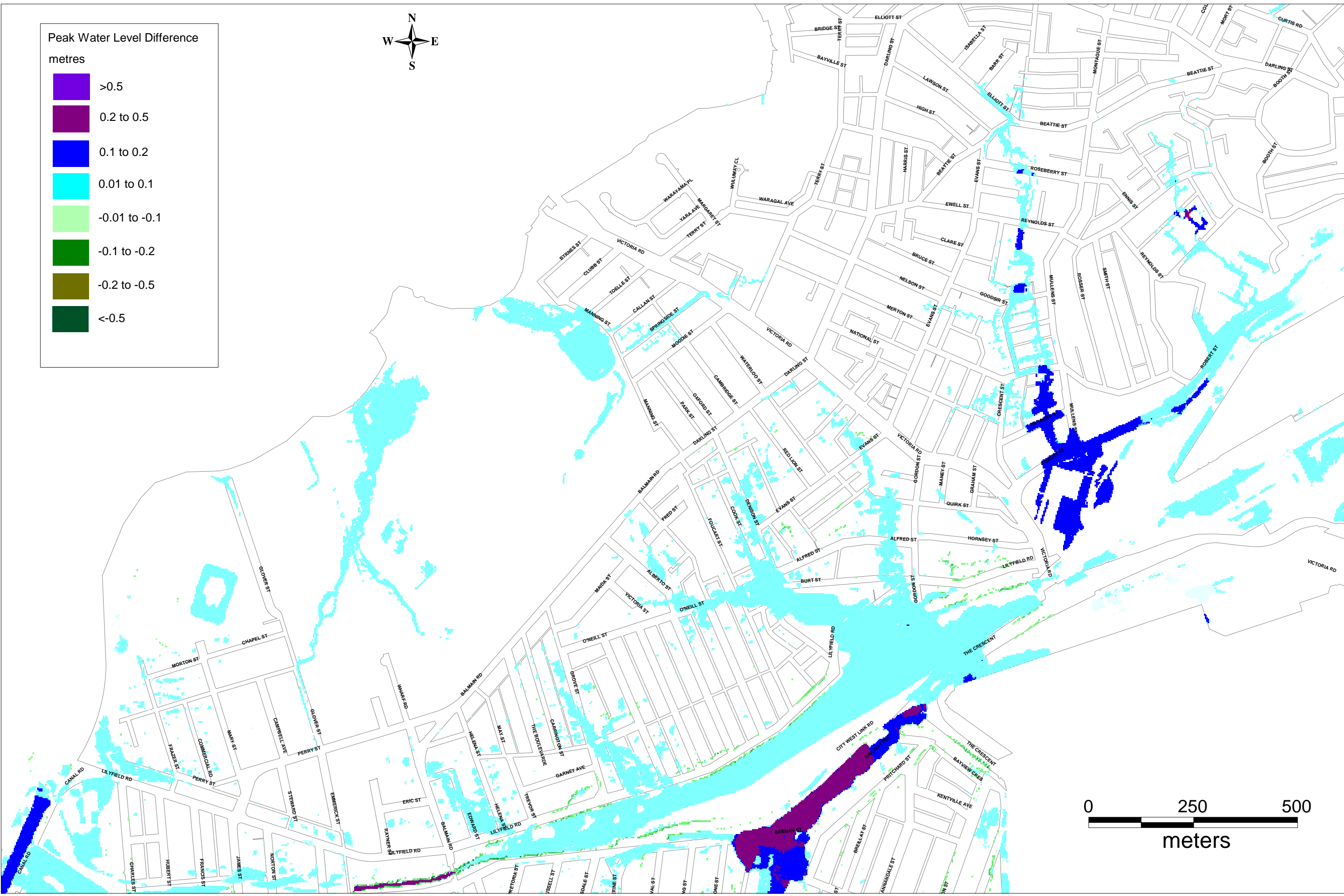
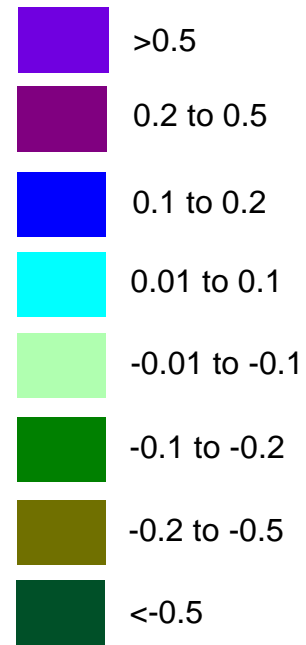


Figure 11.4 - 100yr ARI Sensitivity
Rainfall & Inflows Increased 20%
Sheet2

Peak Water Level Difference

metres



Legend

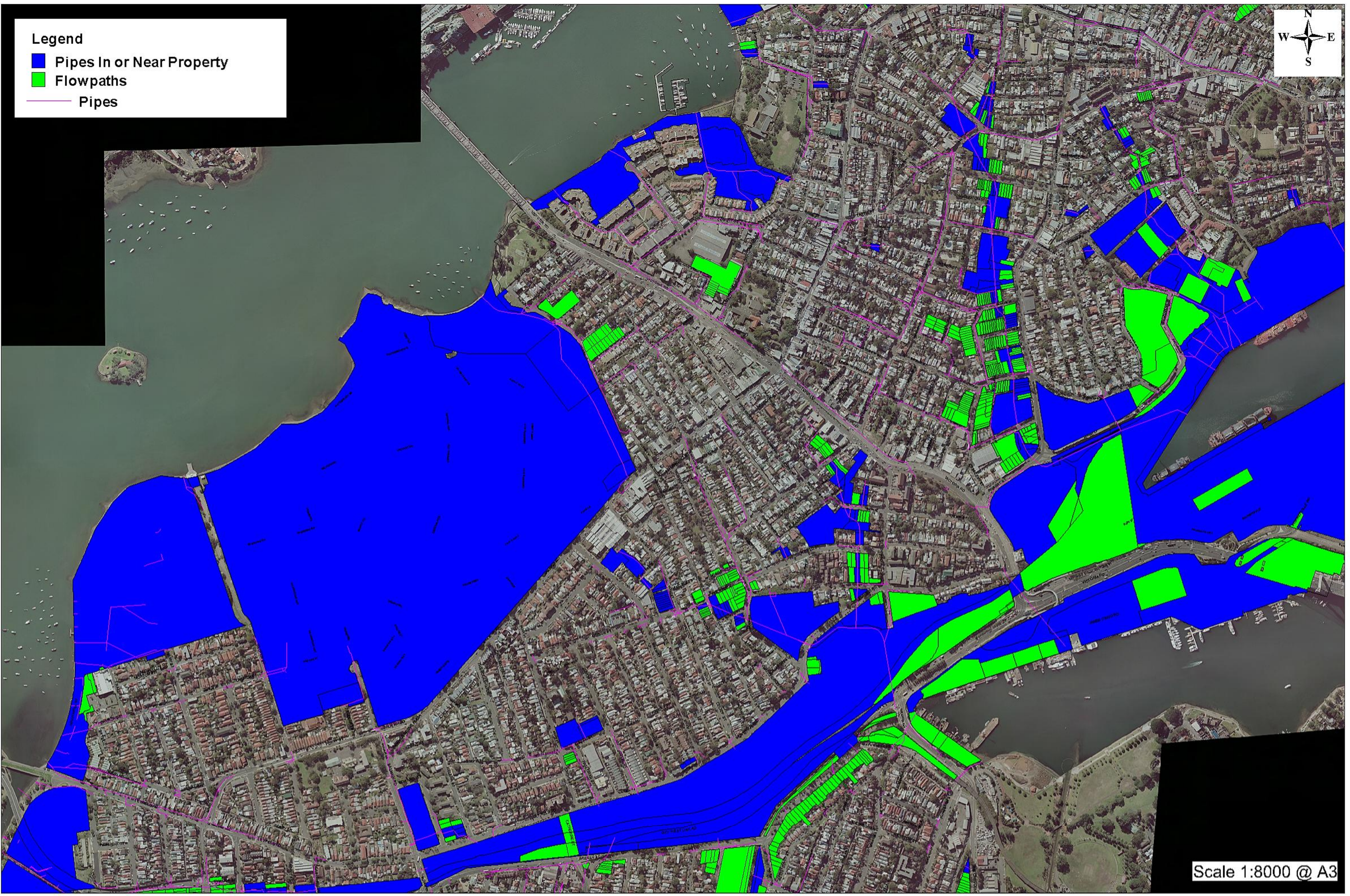
- Pipes In or Near Property
- Flowpaths
- Pipes



Scale 1:8000 @ A3

Legend

- Pipes In or Near Property
- Flowpaths
- Pipes



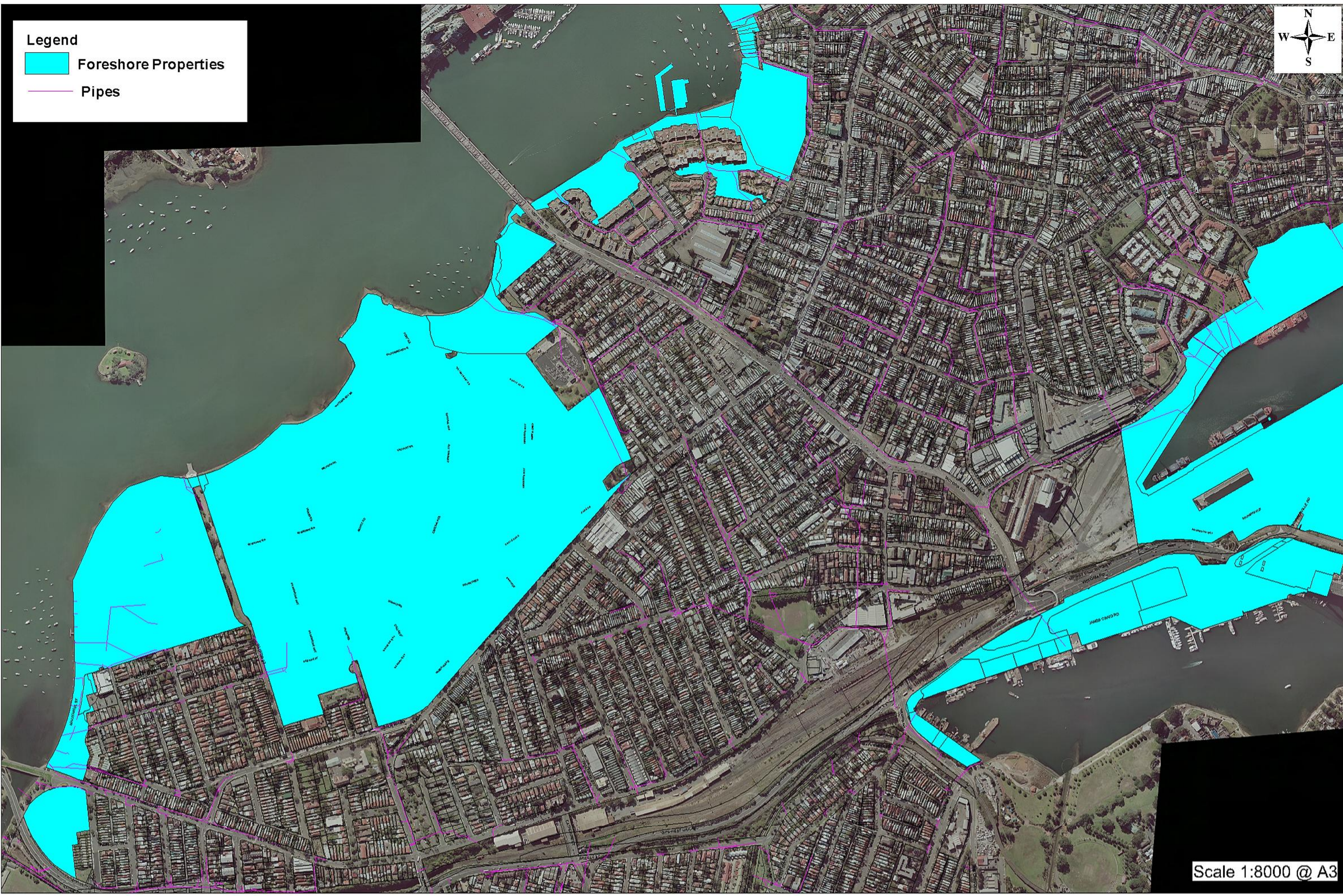
Scale 1:8000 @ A3

- Legend
- Pipes In or Near Property
 - Flowpaths
 - Pipes



Scale 1:8000 @ A3

Legend
Foreshore Properties
Pipes



Scale 1:8000 @ A3

Legend

-  Foreshore Properties
-  Pipes



Scale 1:8000 @ A3