



South Creek Flood Study

Volume 2 – Figures

Job Number W4749

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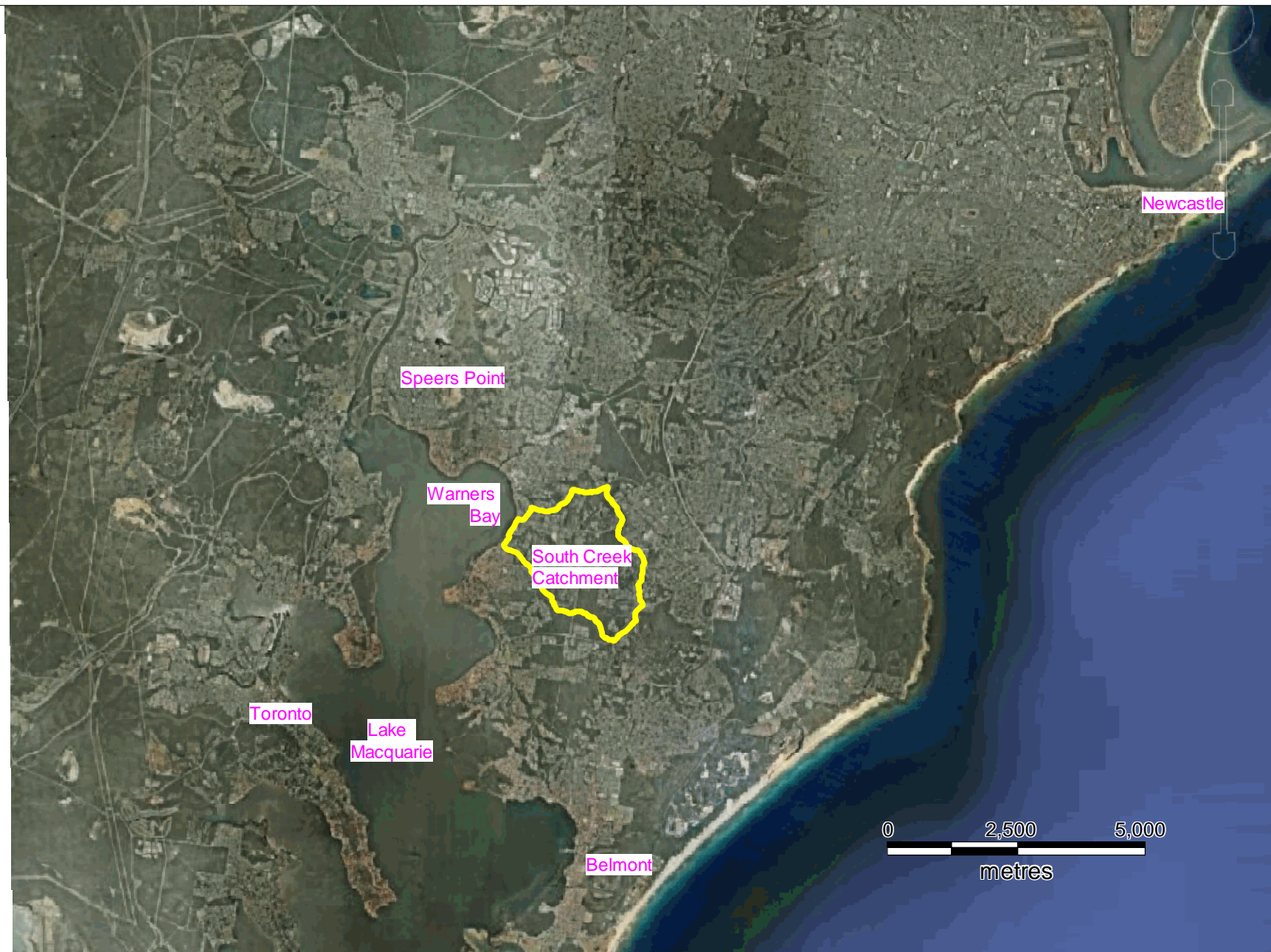
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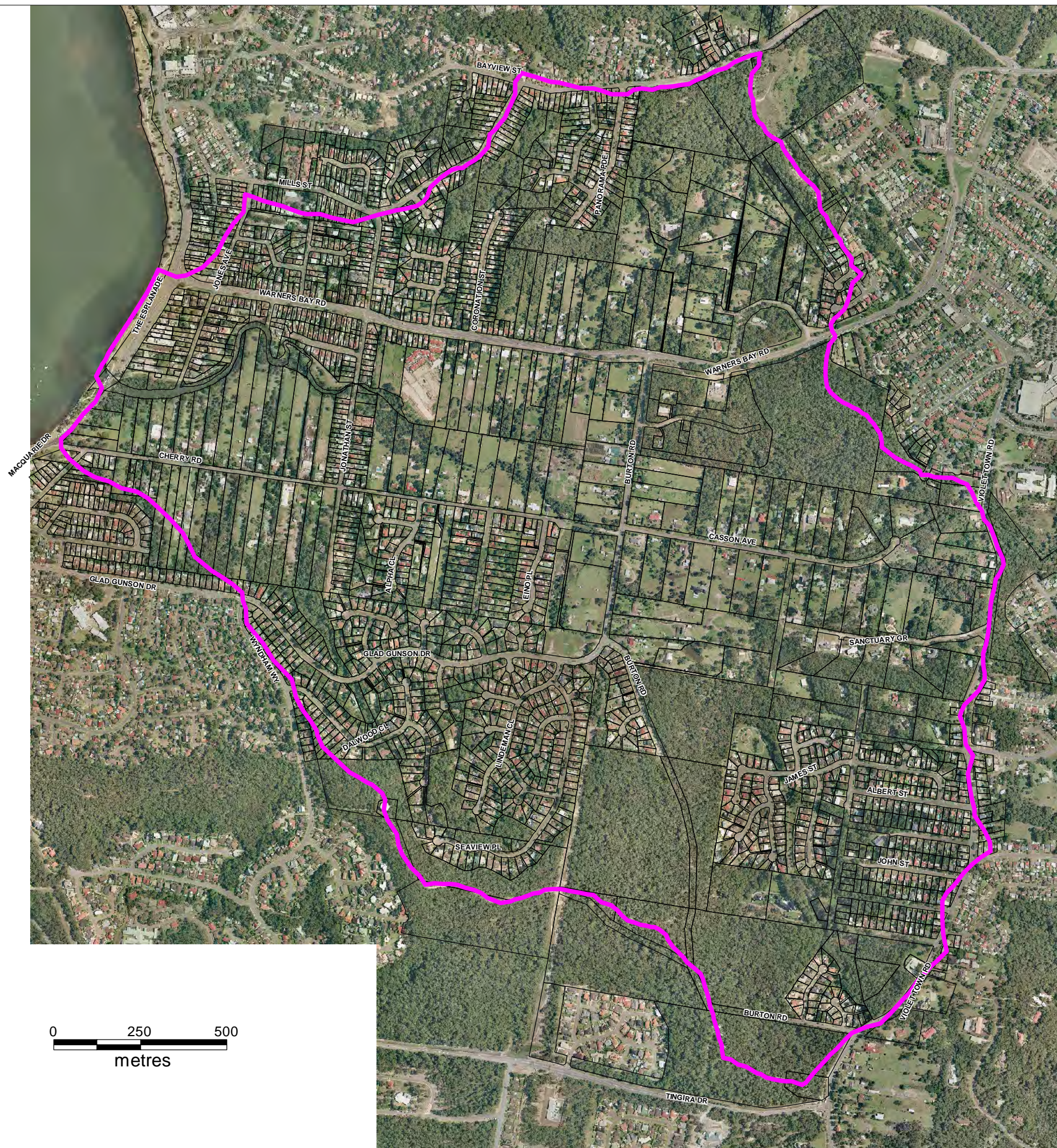
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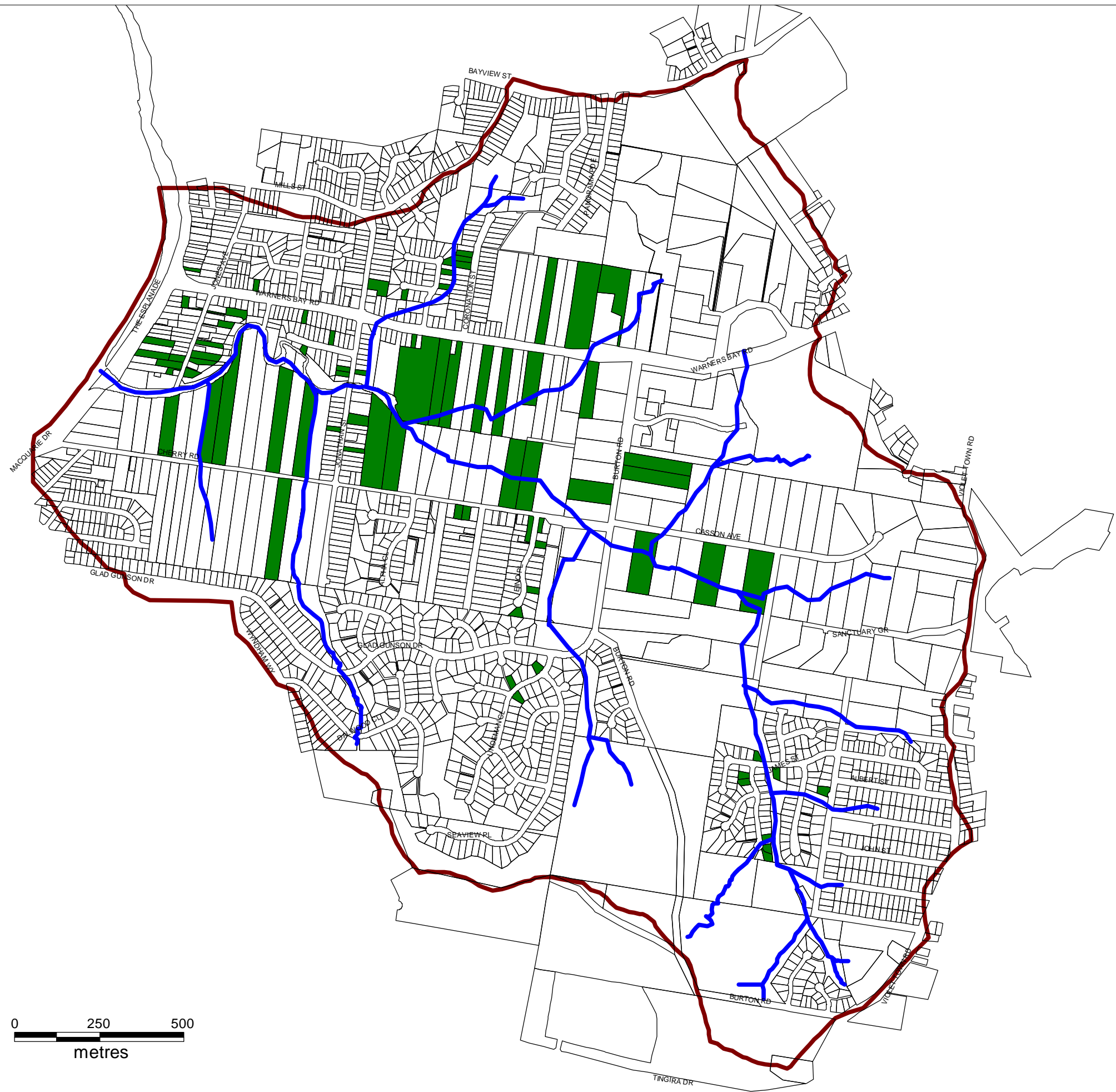


Google Earth (2009)



 CATCHMENT EXTENT

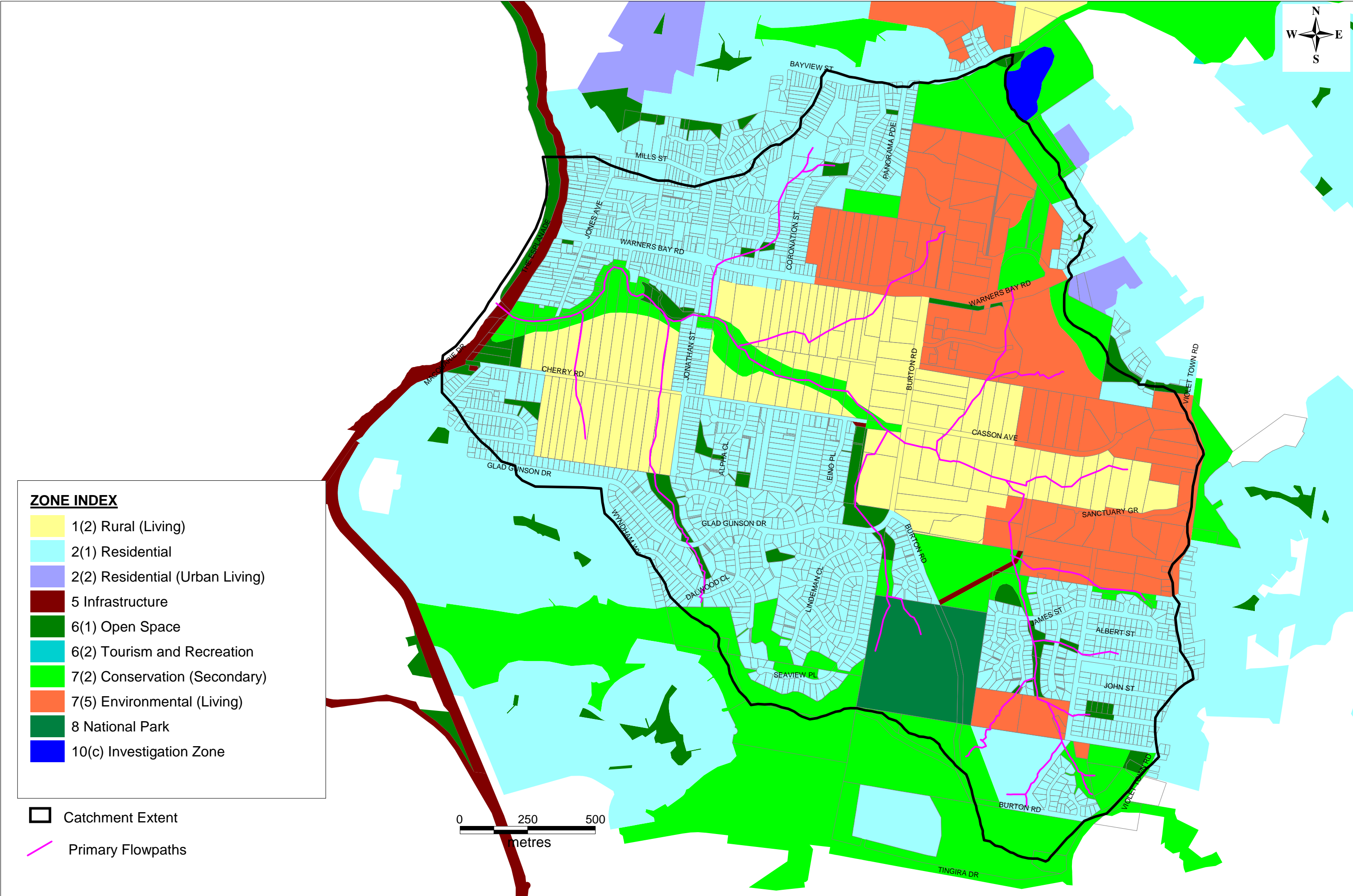


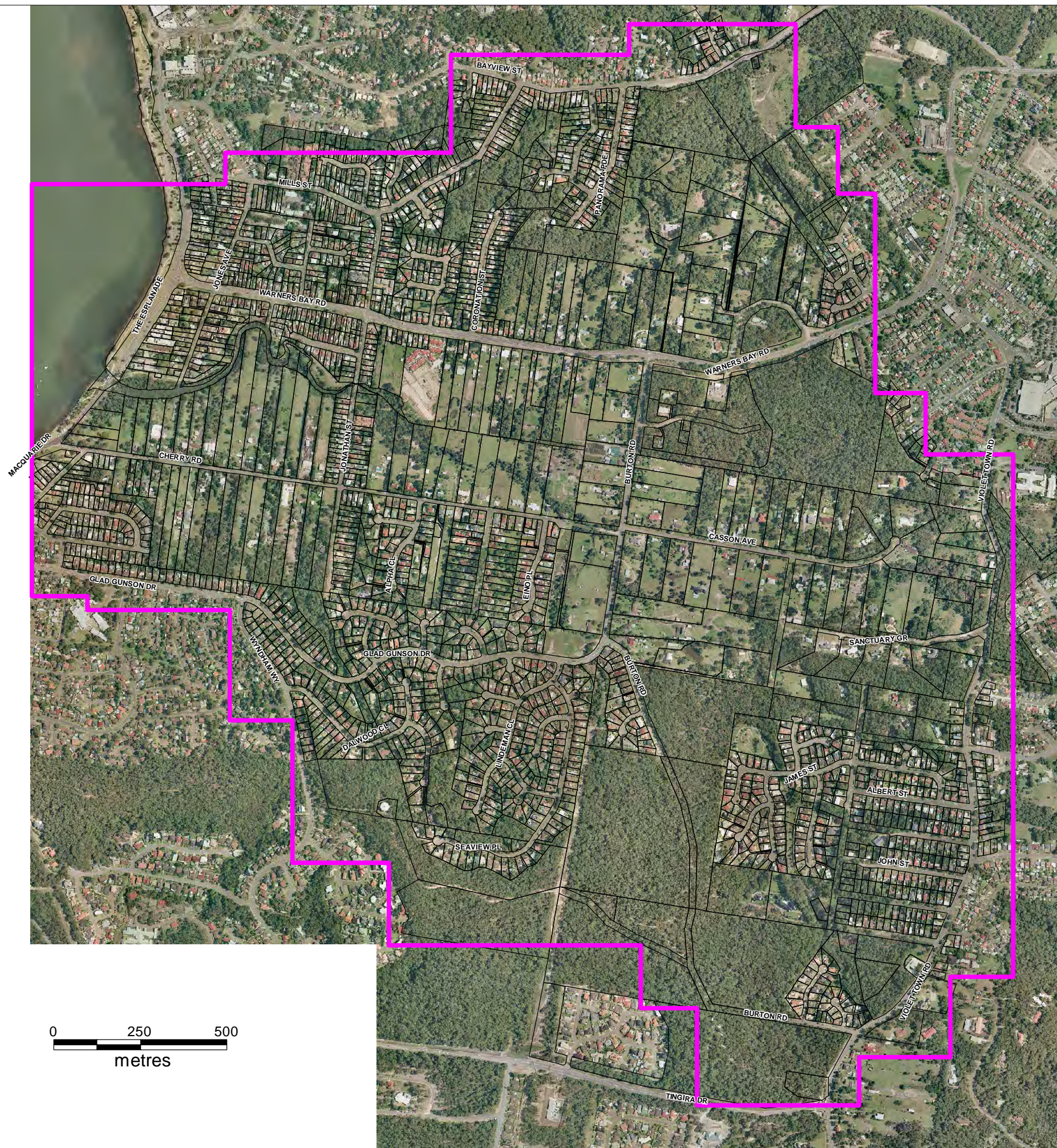


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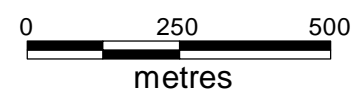
South Creek Flood Study

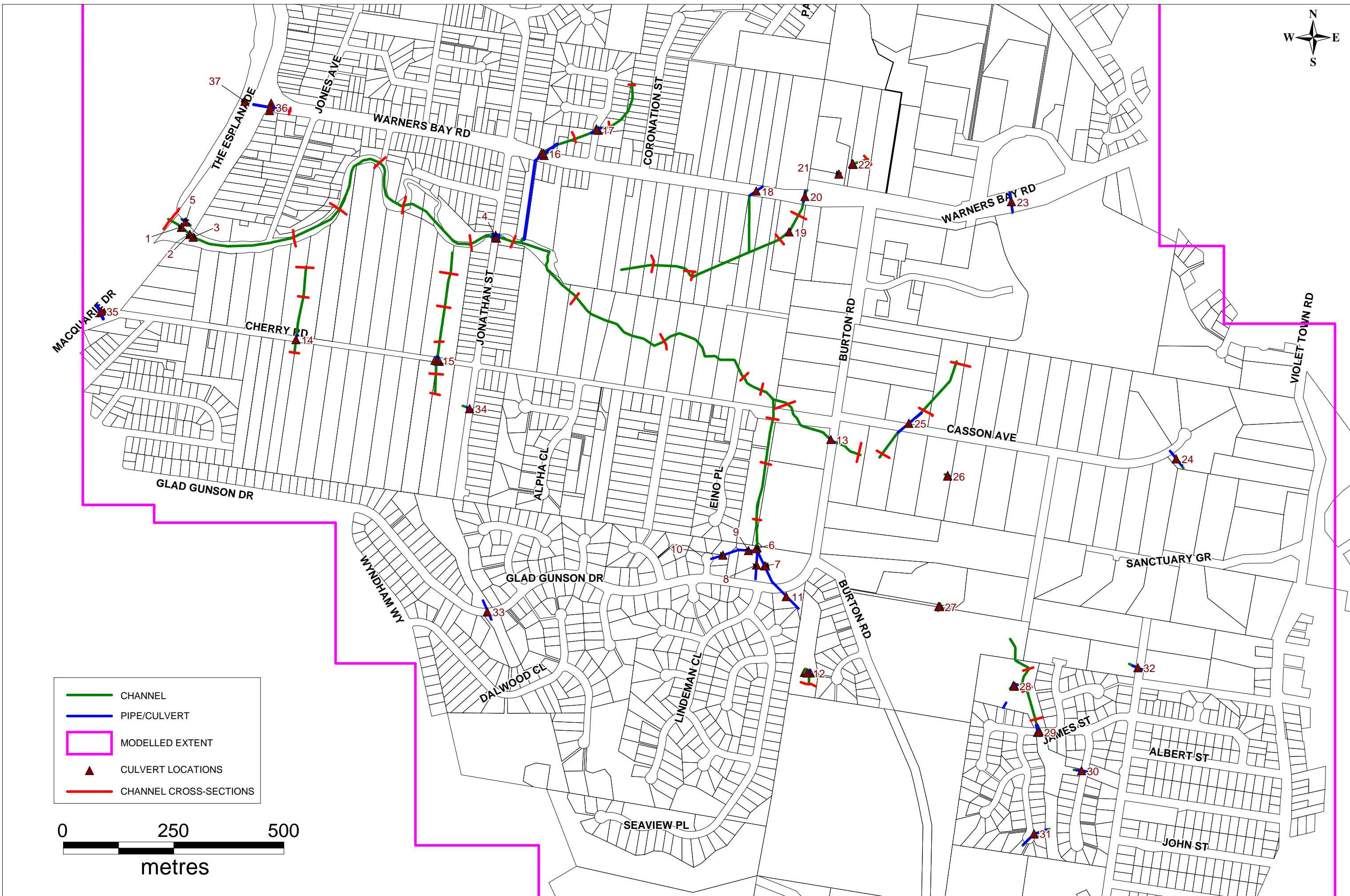
FIGURE 4.1
QUESTIONNAIRE RESPONSES

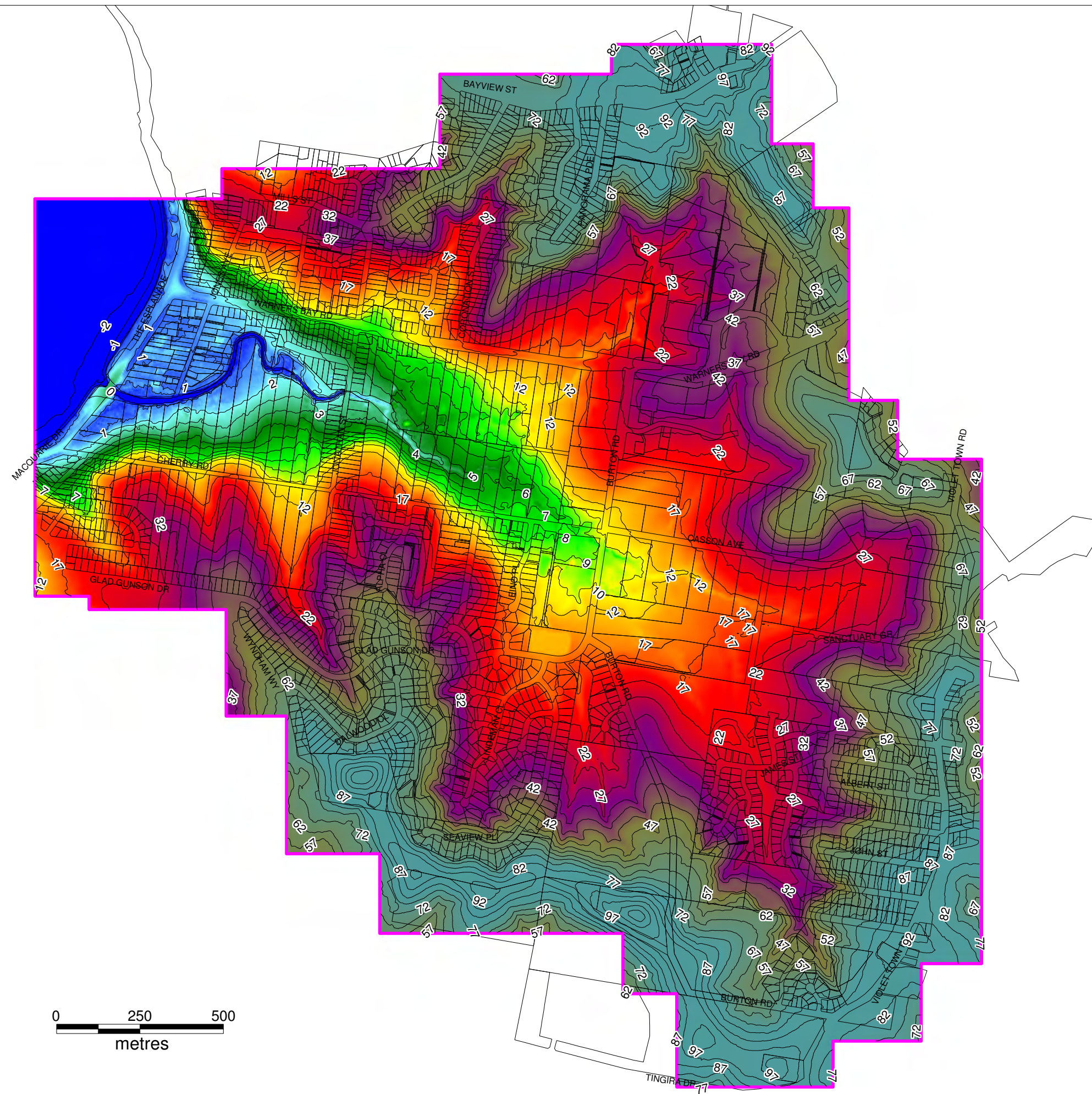




 MODELLED EXTENT



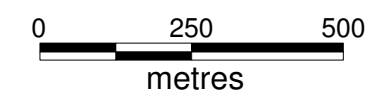


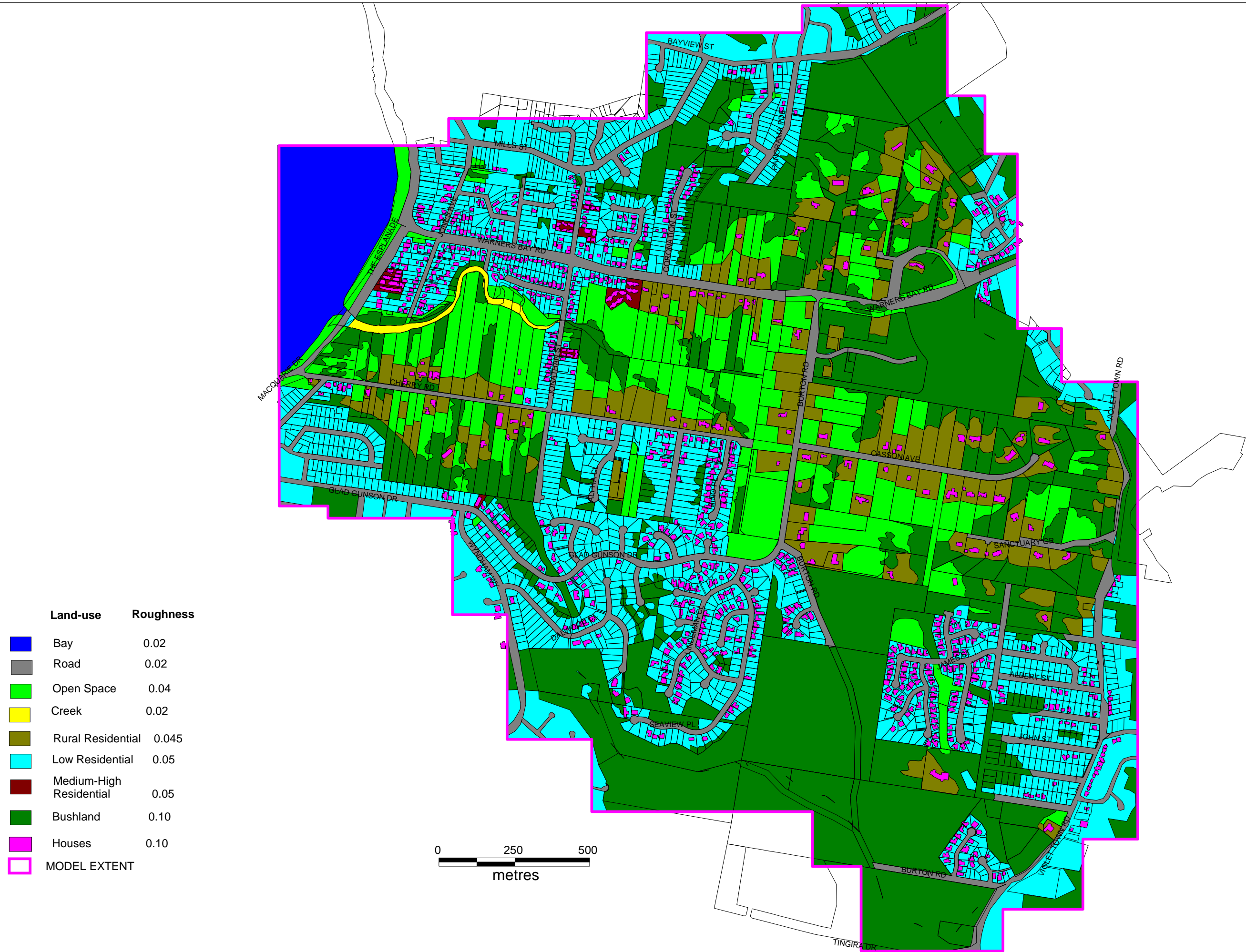


**LEGEND -
ELEVATION (m AHD)**

- <0 m
- 2 m
- 5 m
- 8 m
- 10 m
- 15 m
- 20 m
- 35 m
- 50 m
- >80 m

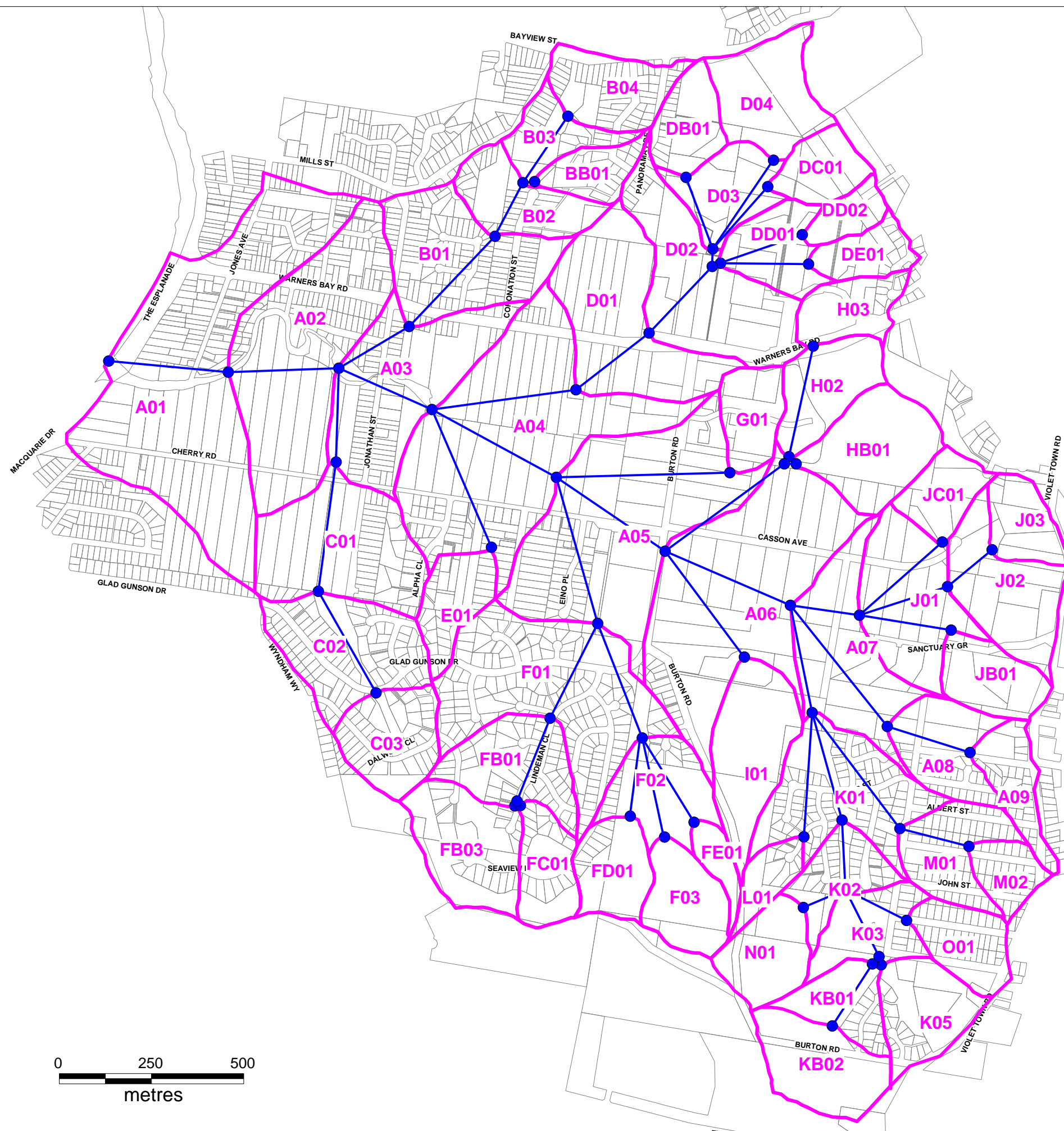
MODELLED EXTENT



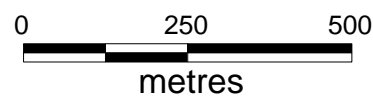


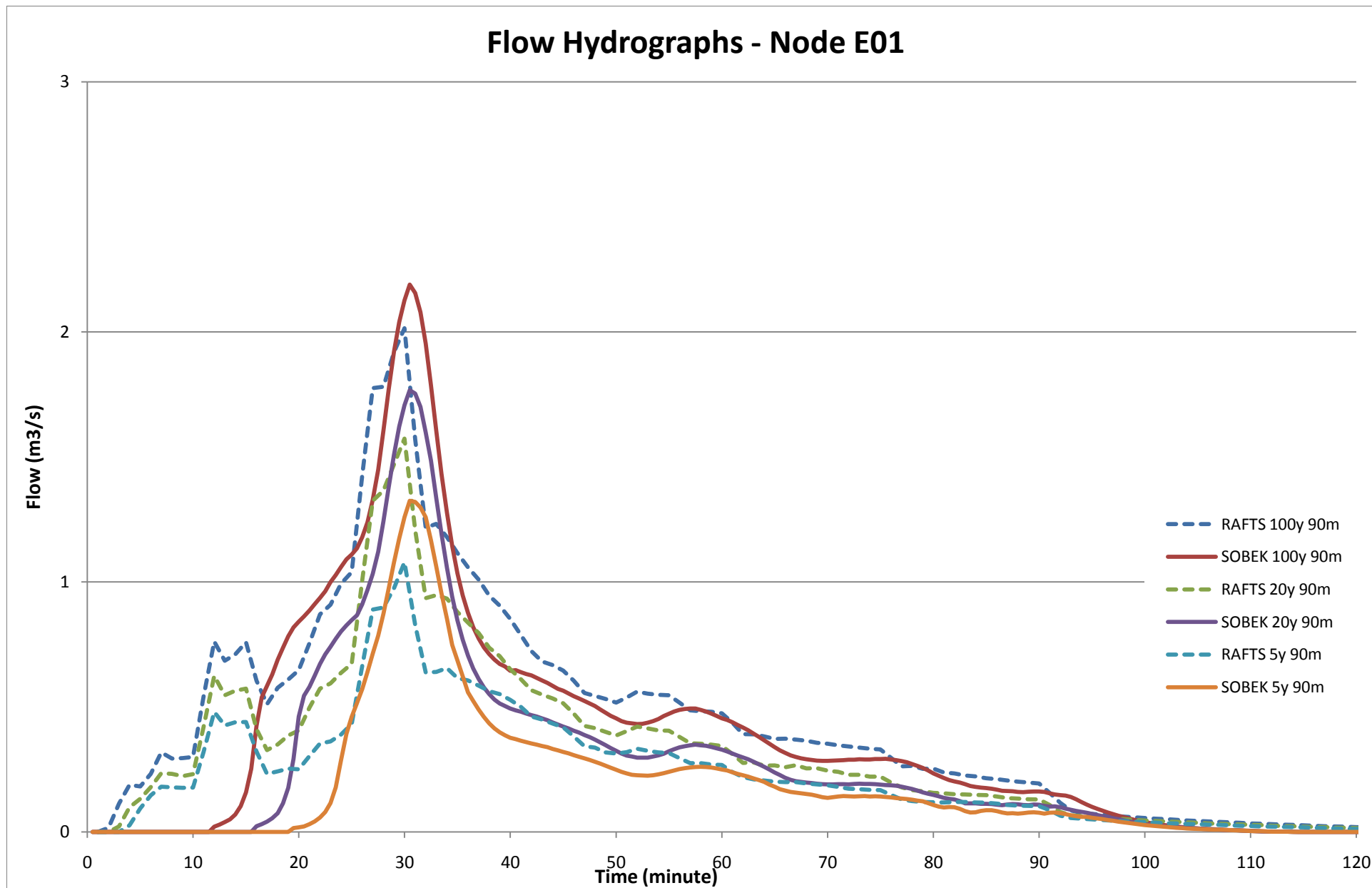
Land-use	Roughness
Bay	0.02
Road	0.02
Open Space	0.04
Creek	0.02
Rural Residential	0.045
Low Residential	0.05
Medium-High Residential	0.05
Bushland	0.10
Houses	0.10
MODEL EXTENT	

0 250 500
metres

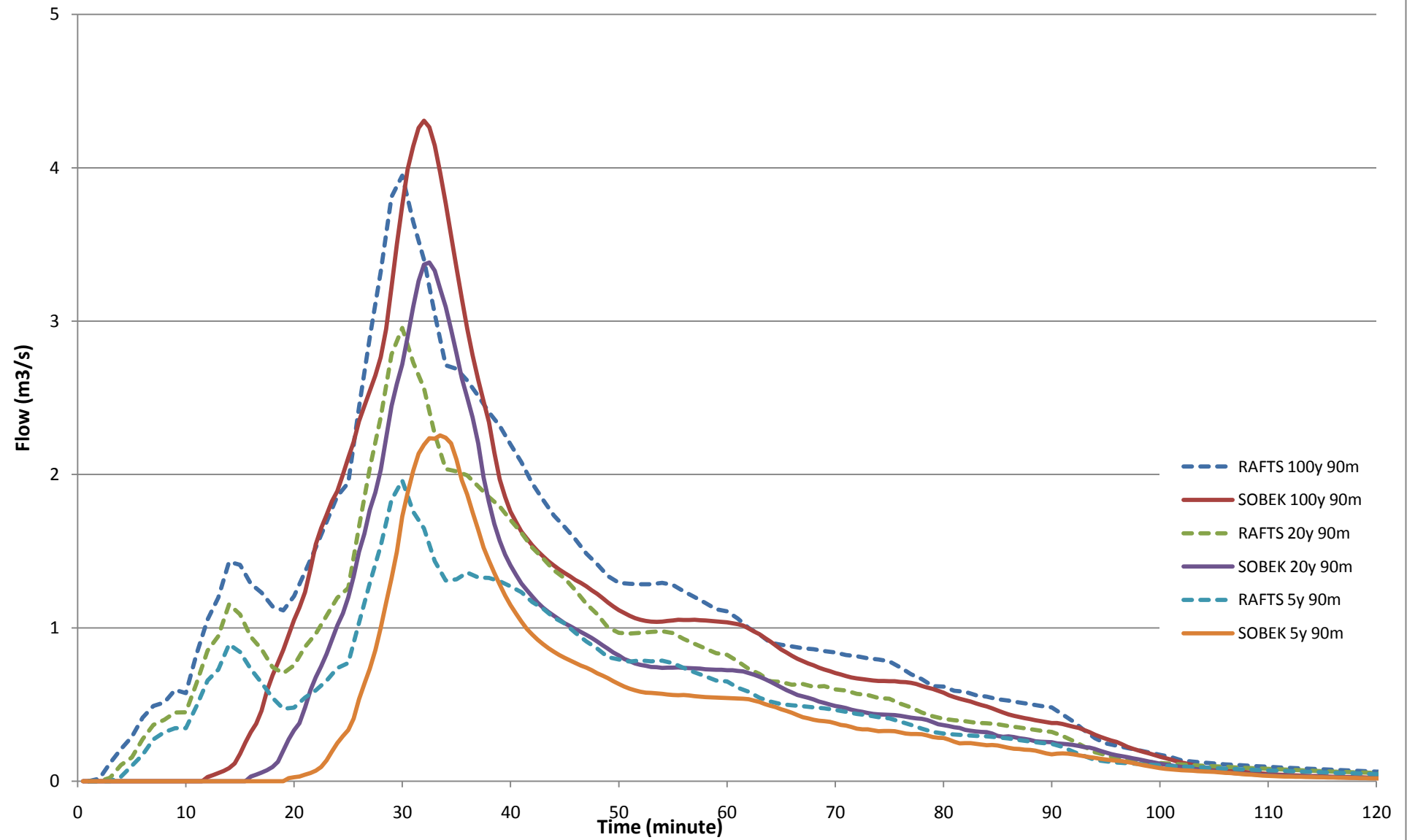


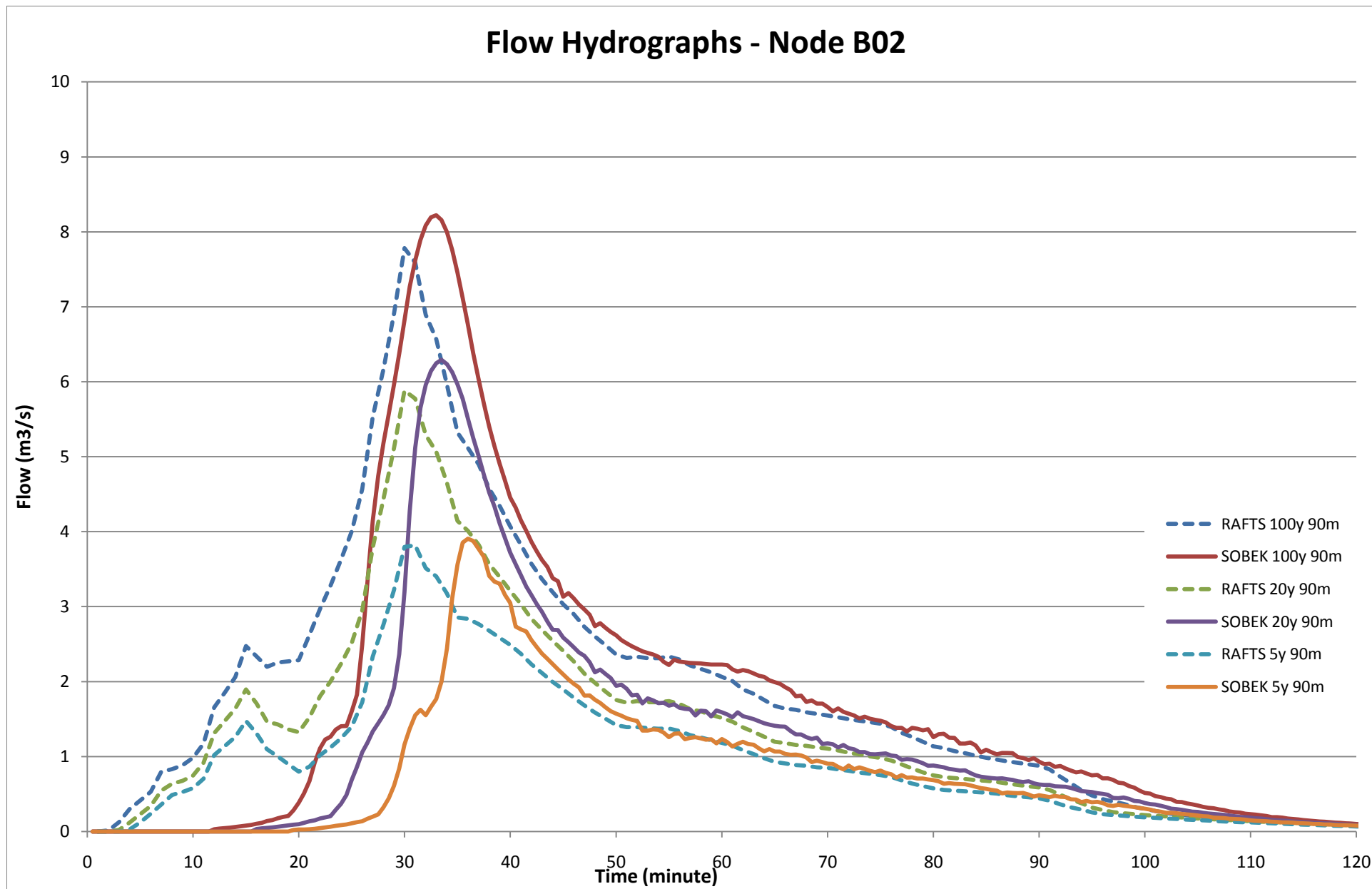
FLOW LINK
SUBCATCHMENT

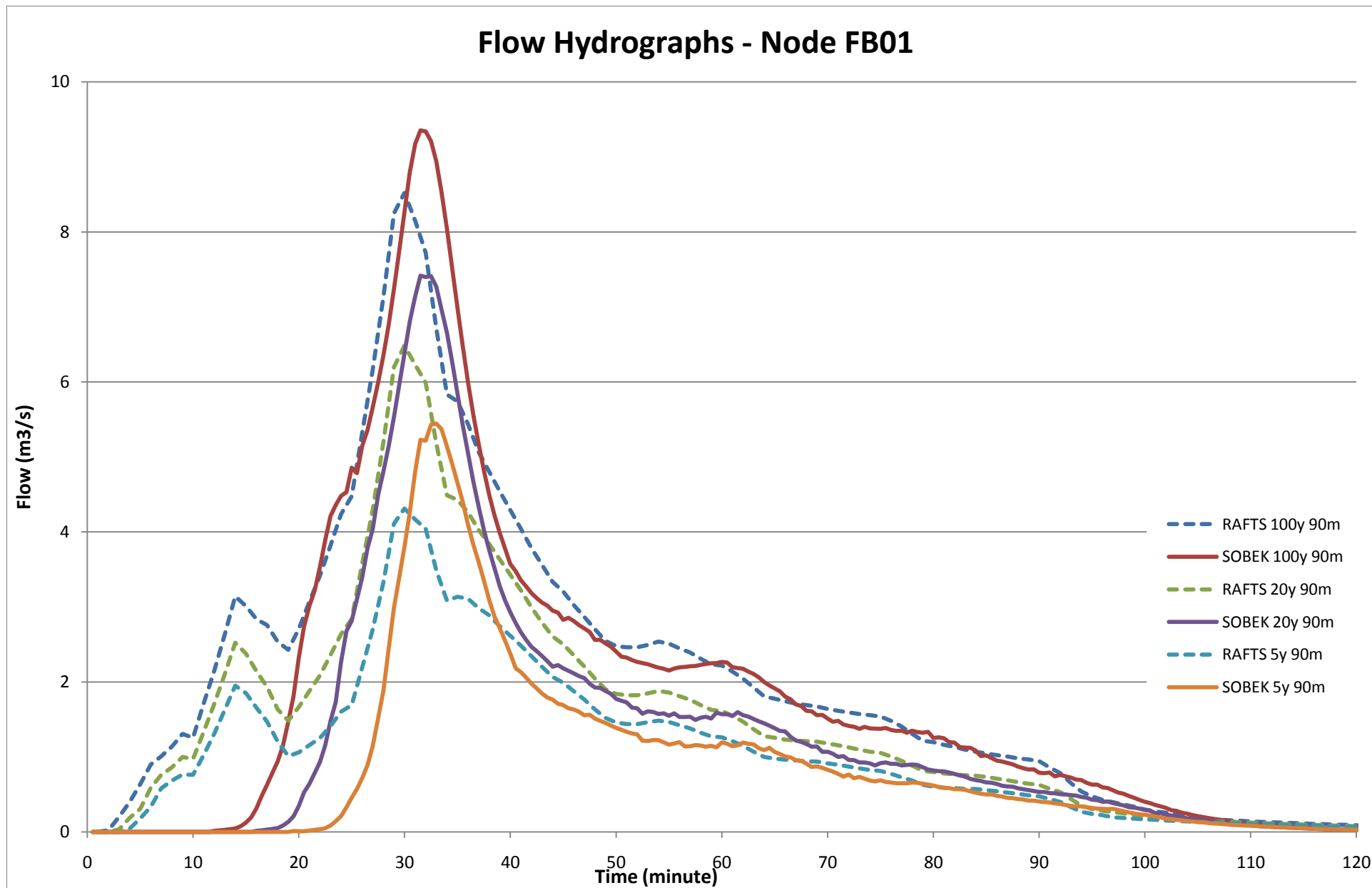


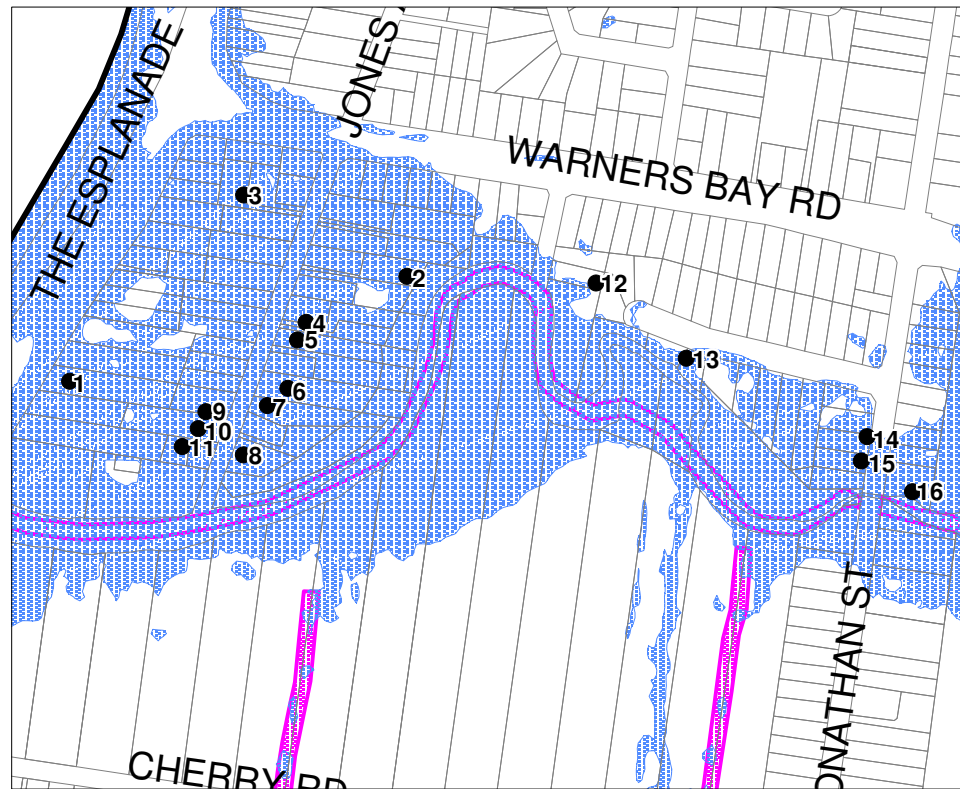


Flow Hydrographs - Node A08

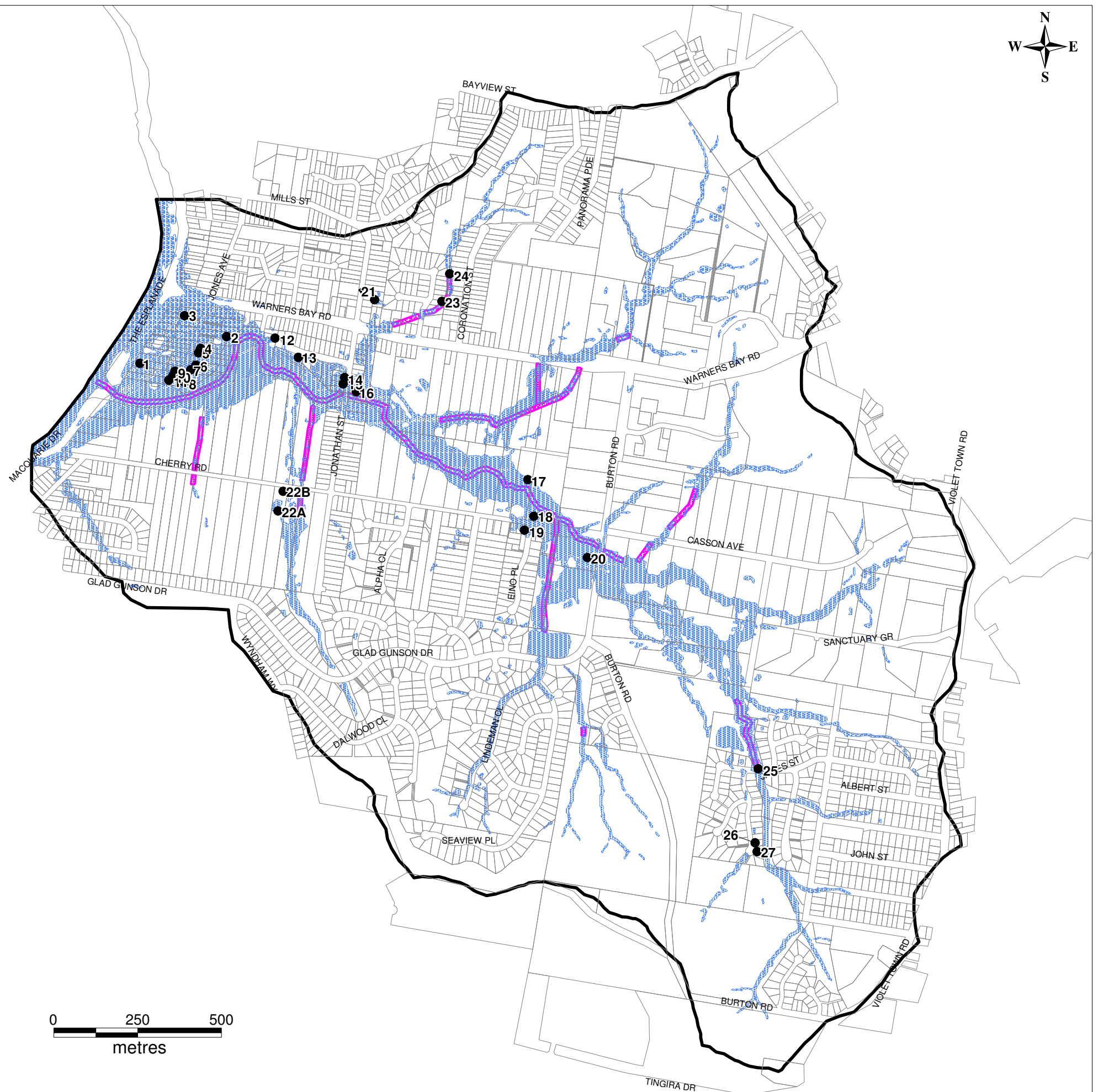










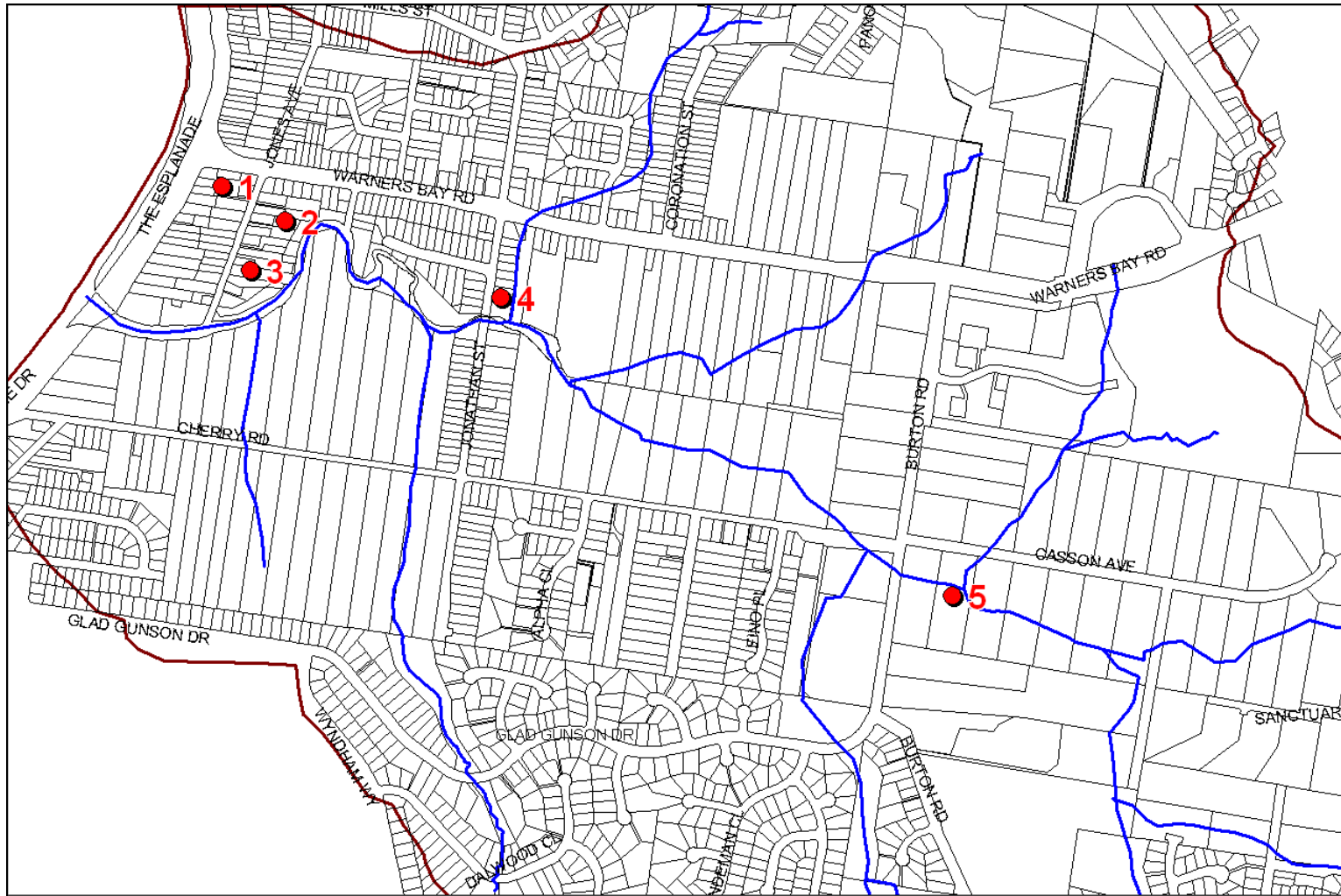


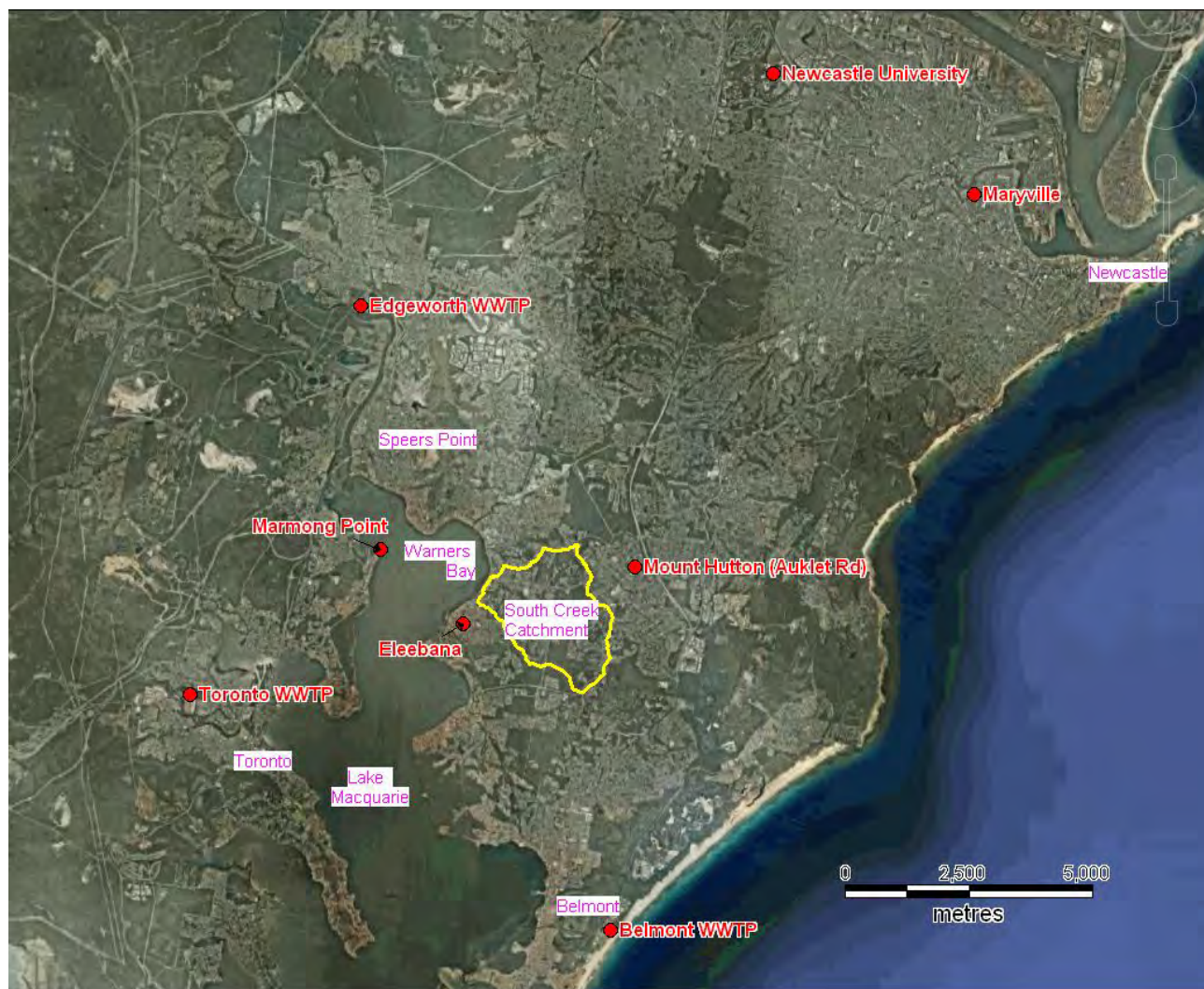
INSET

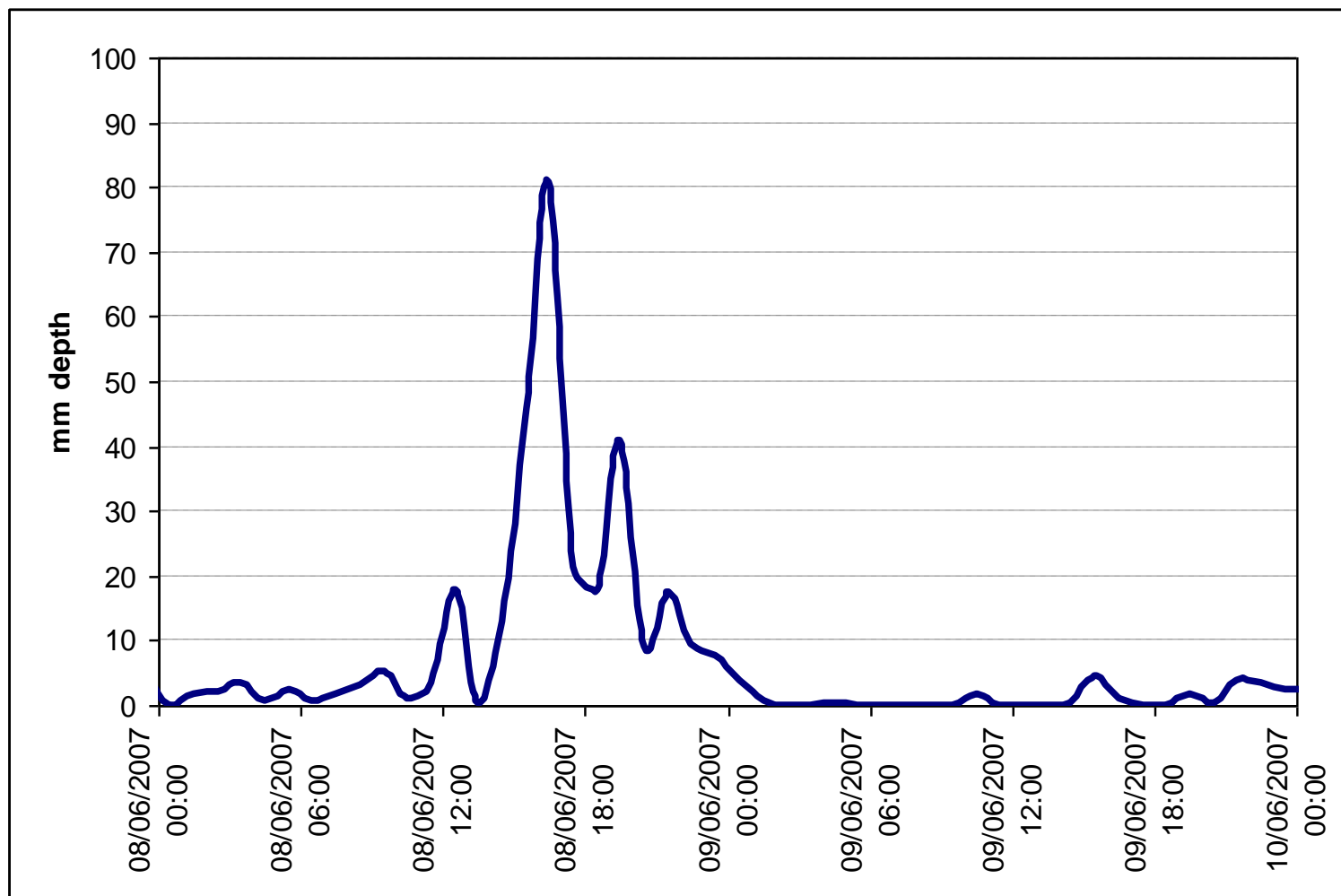


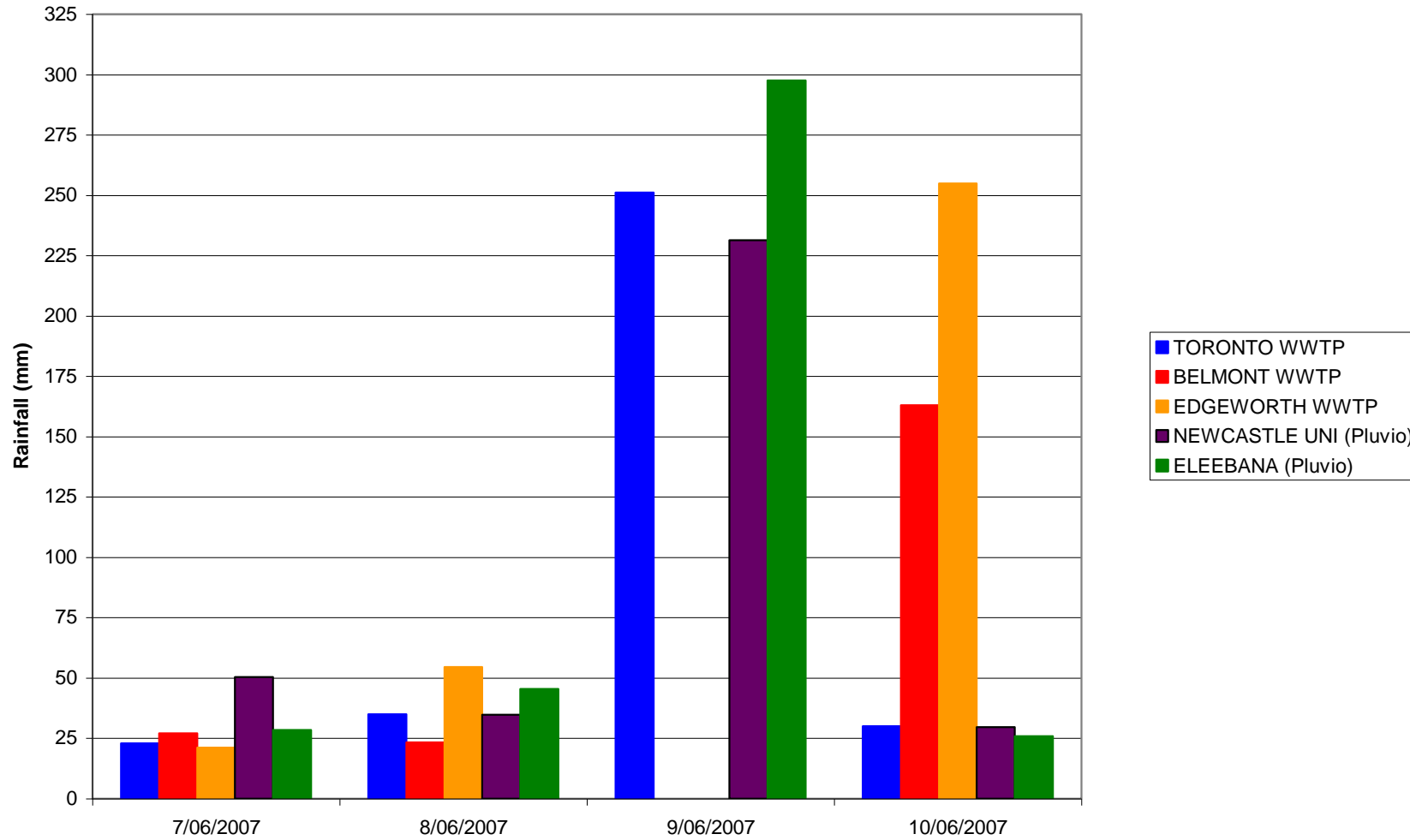
0 250 500
metres

-  Catchment Extent
-  Approximate June 2007 Event Extent
-  Channel
-  Calibration Location

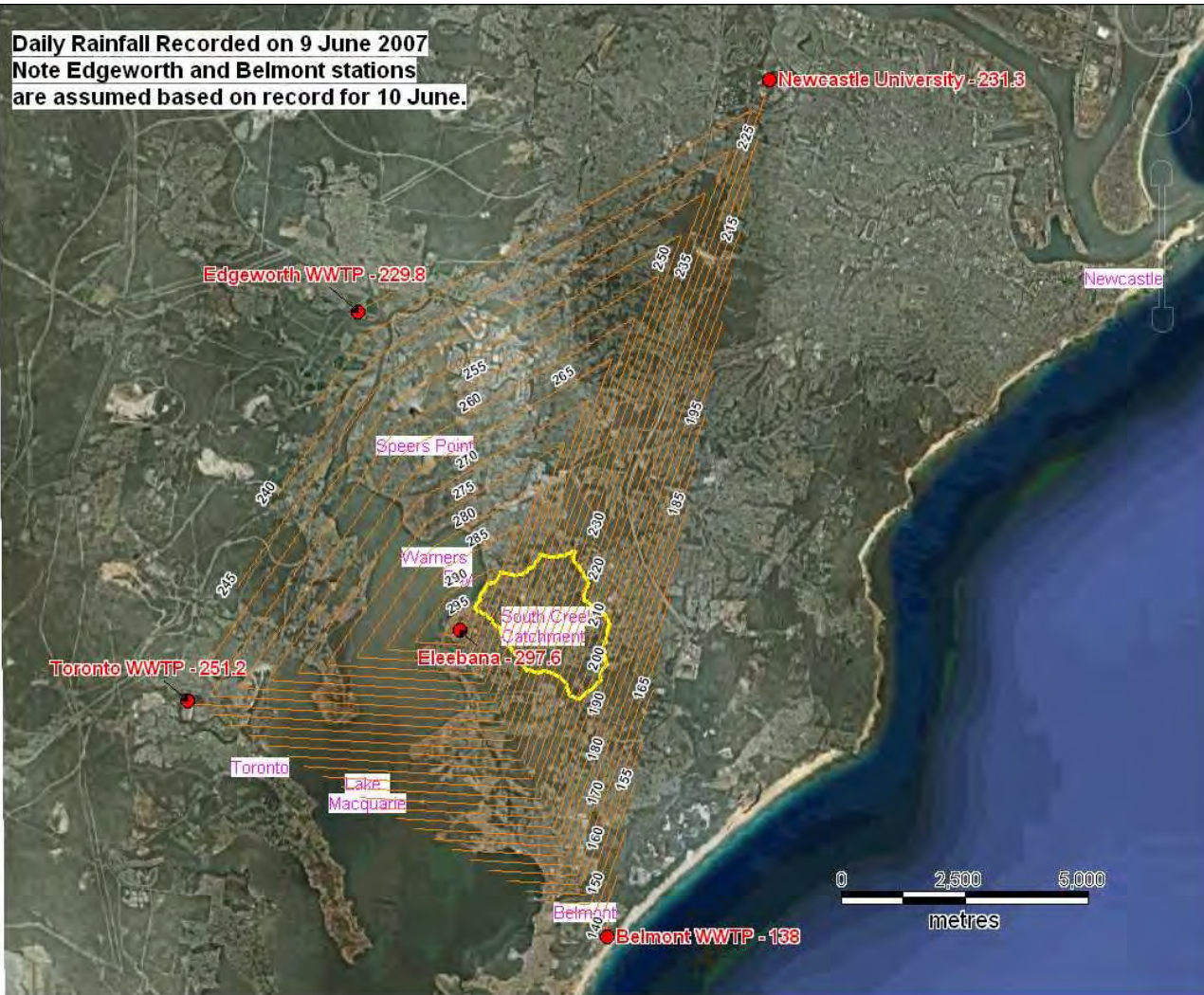


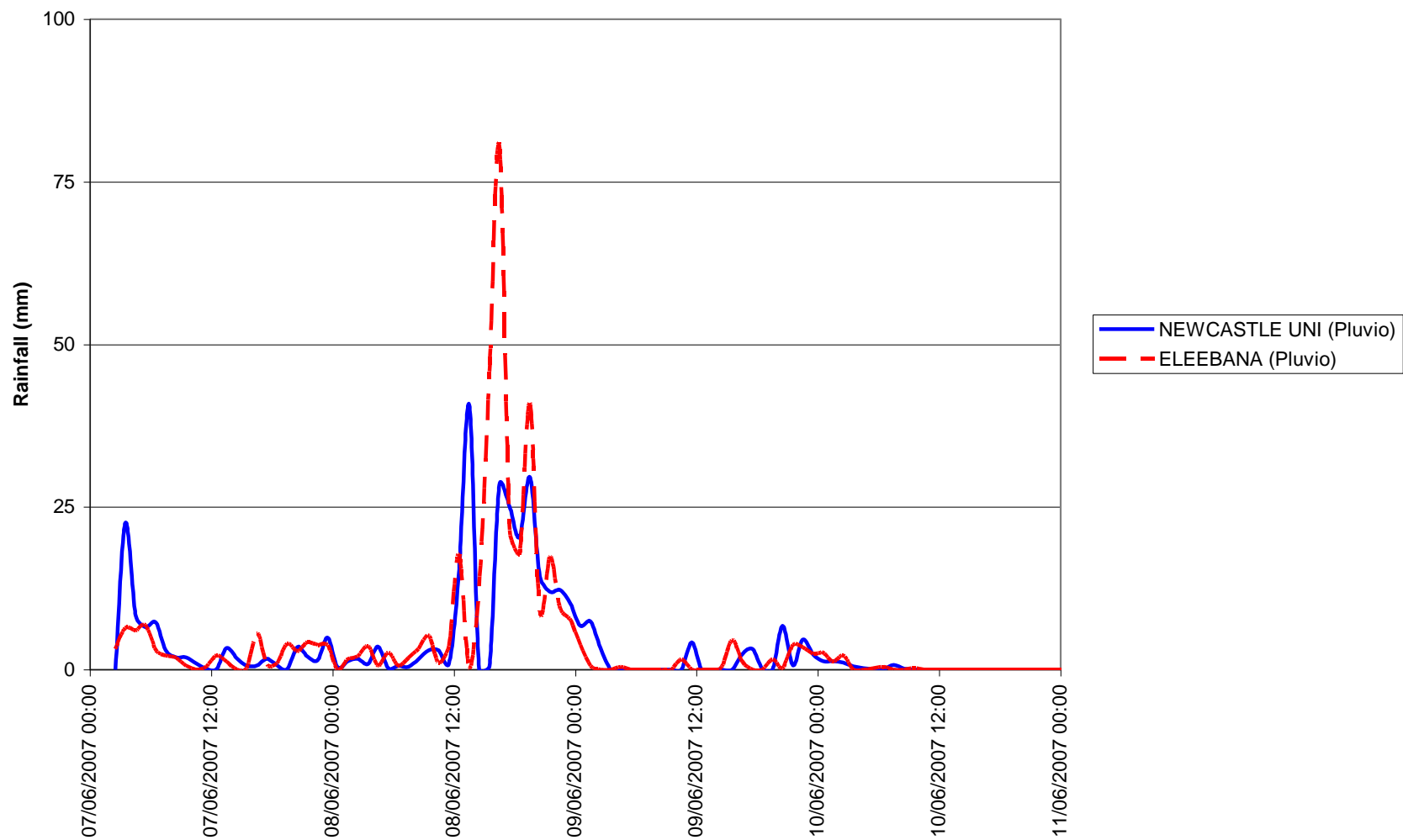


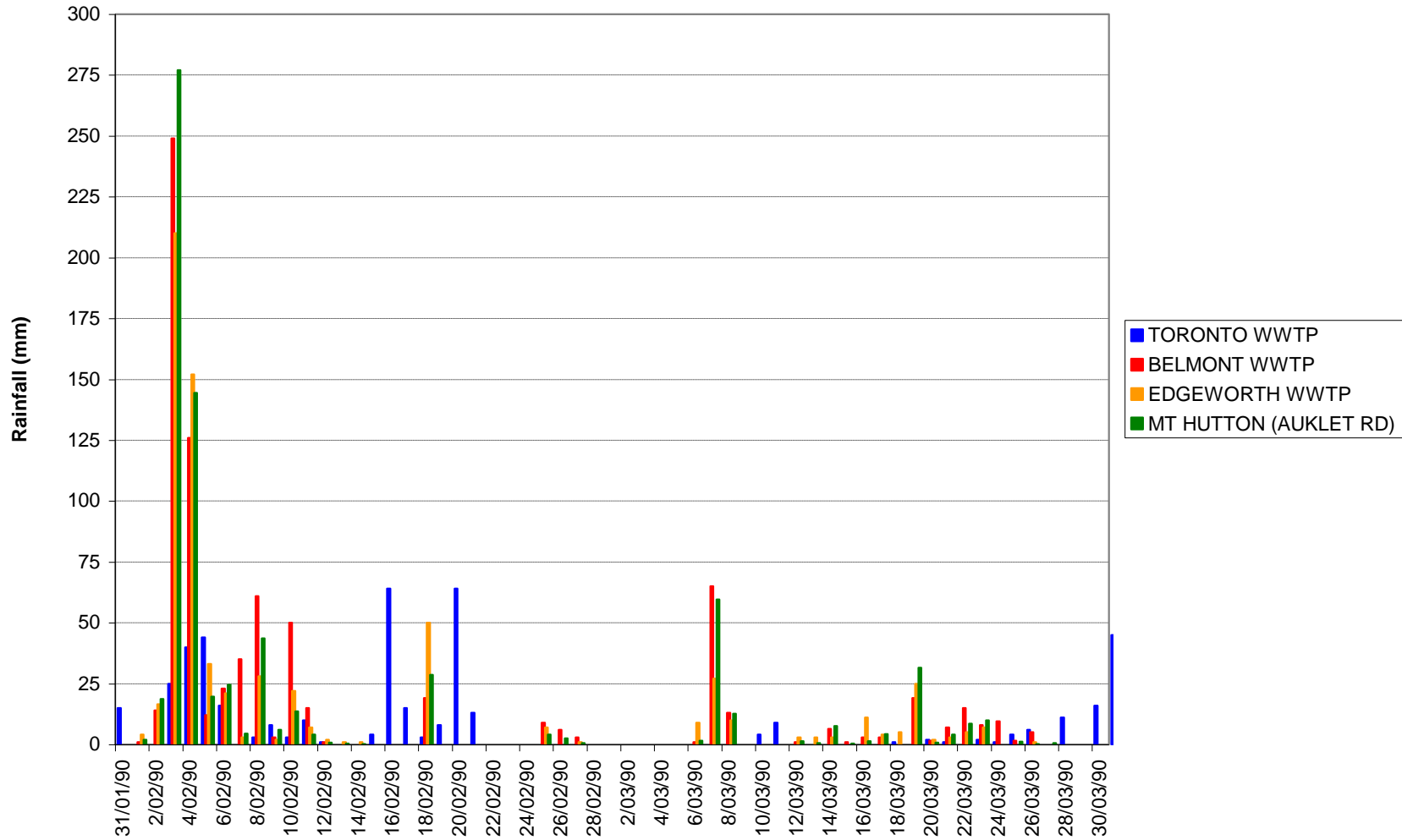


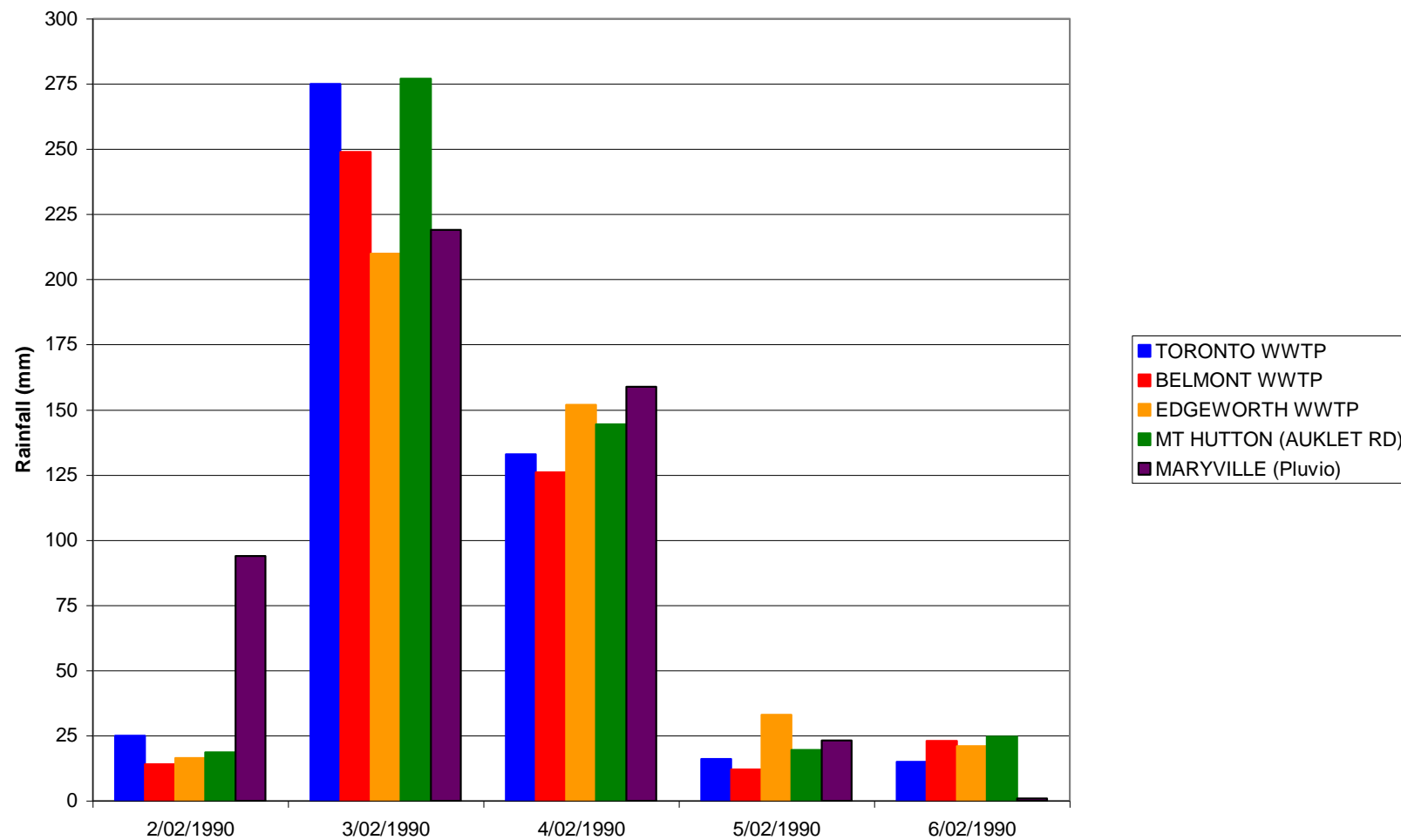


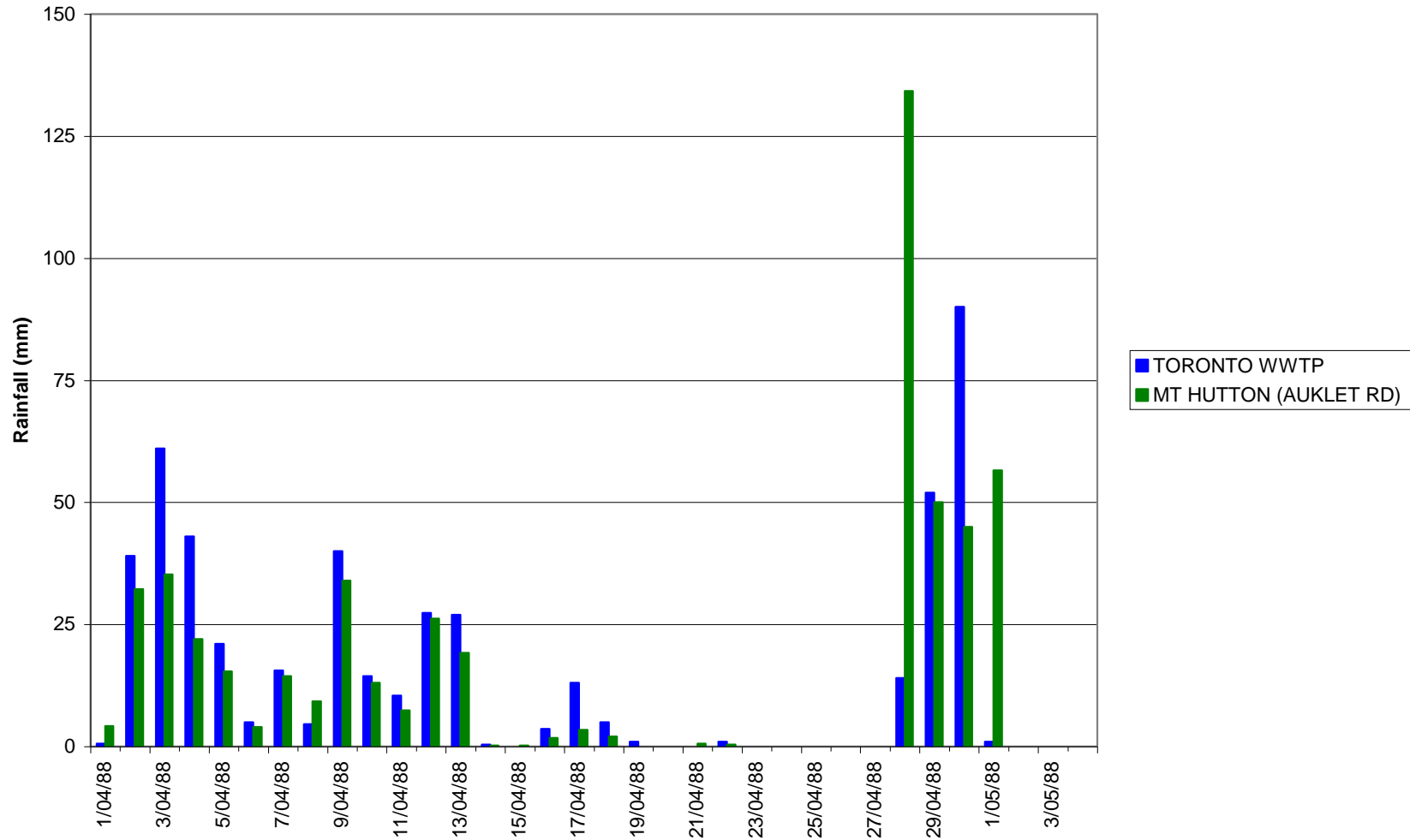
Daily Rainfall Recorded on 9 June 2007
Note Edgeworth and Belmont stations
are assumed based on record for 10 June.

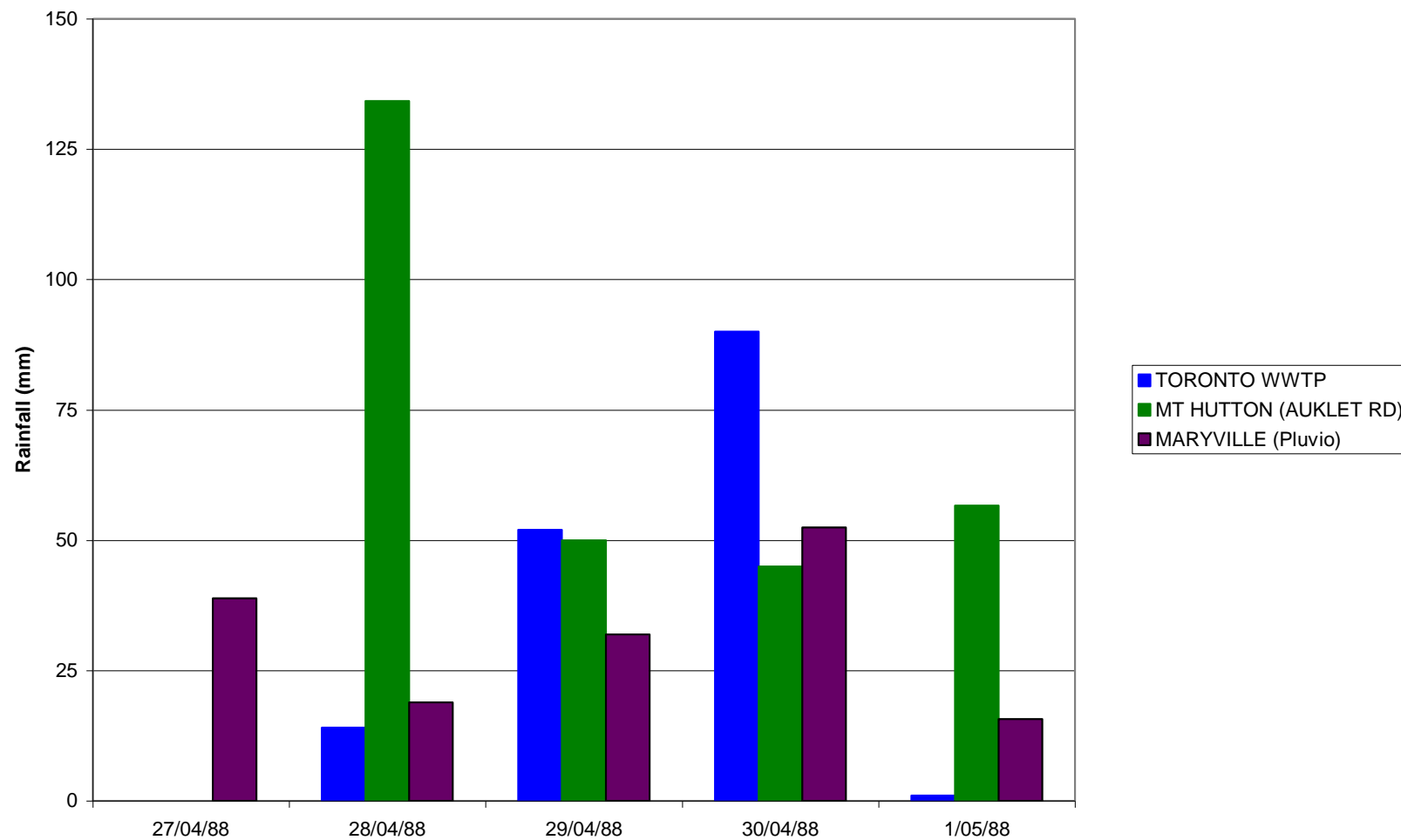


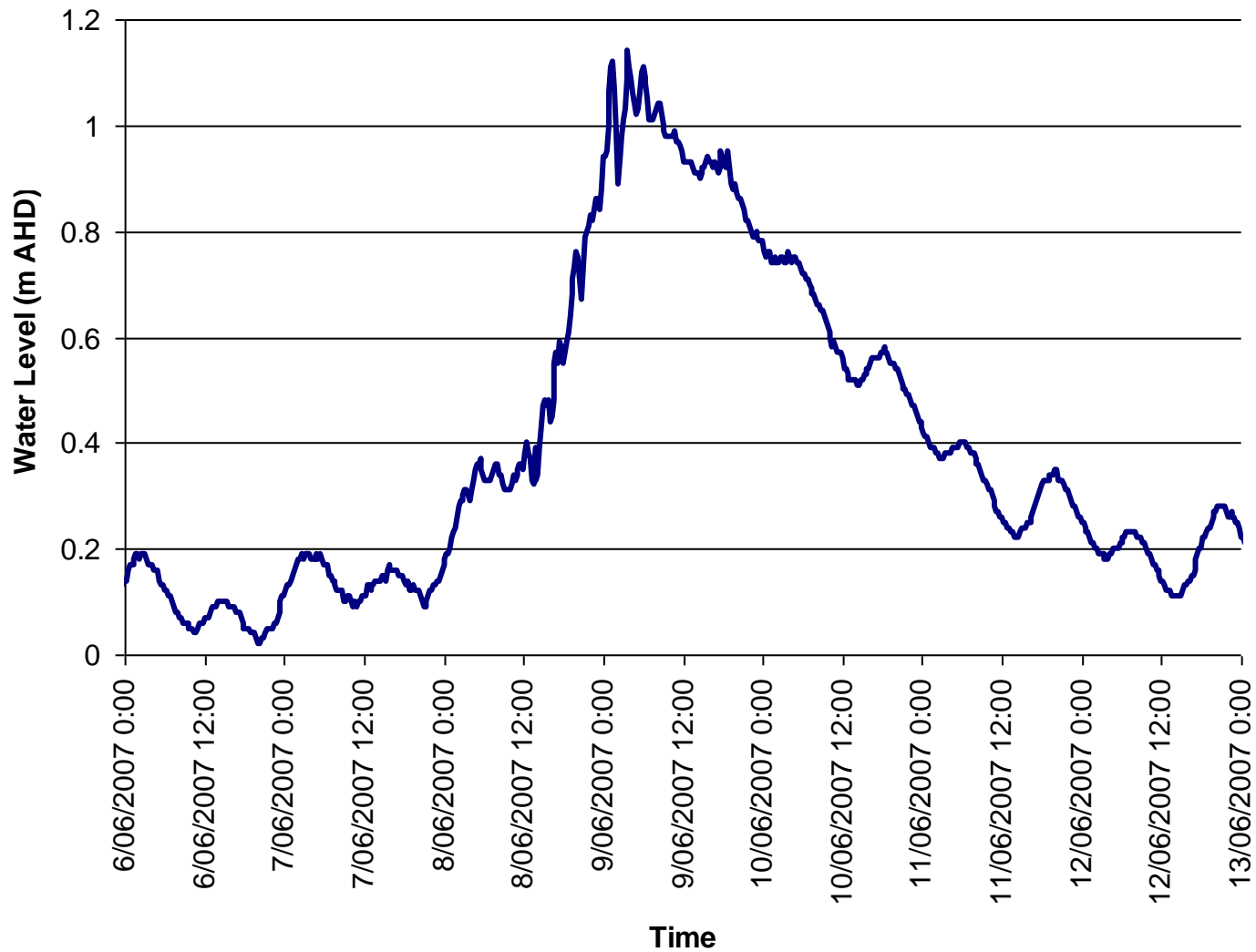


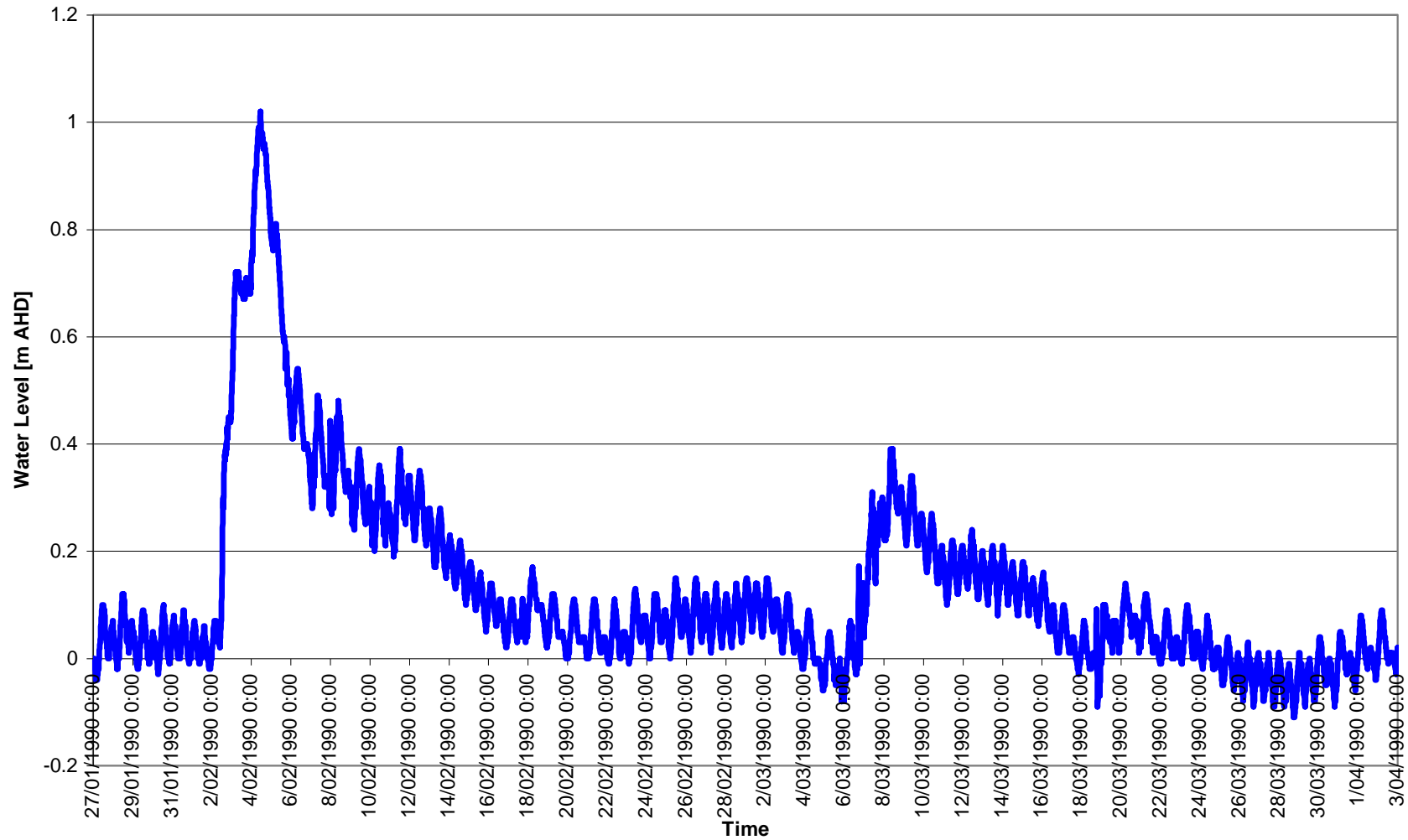


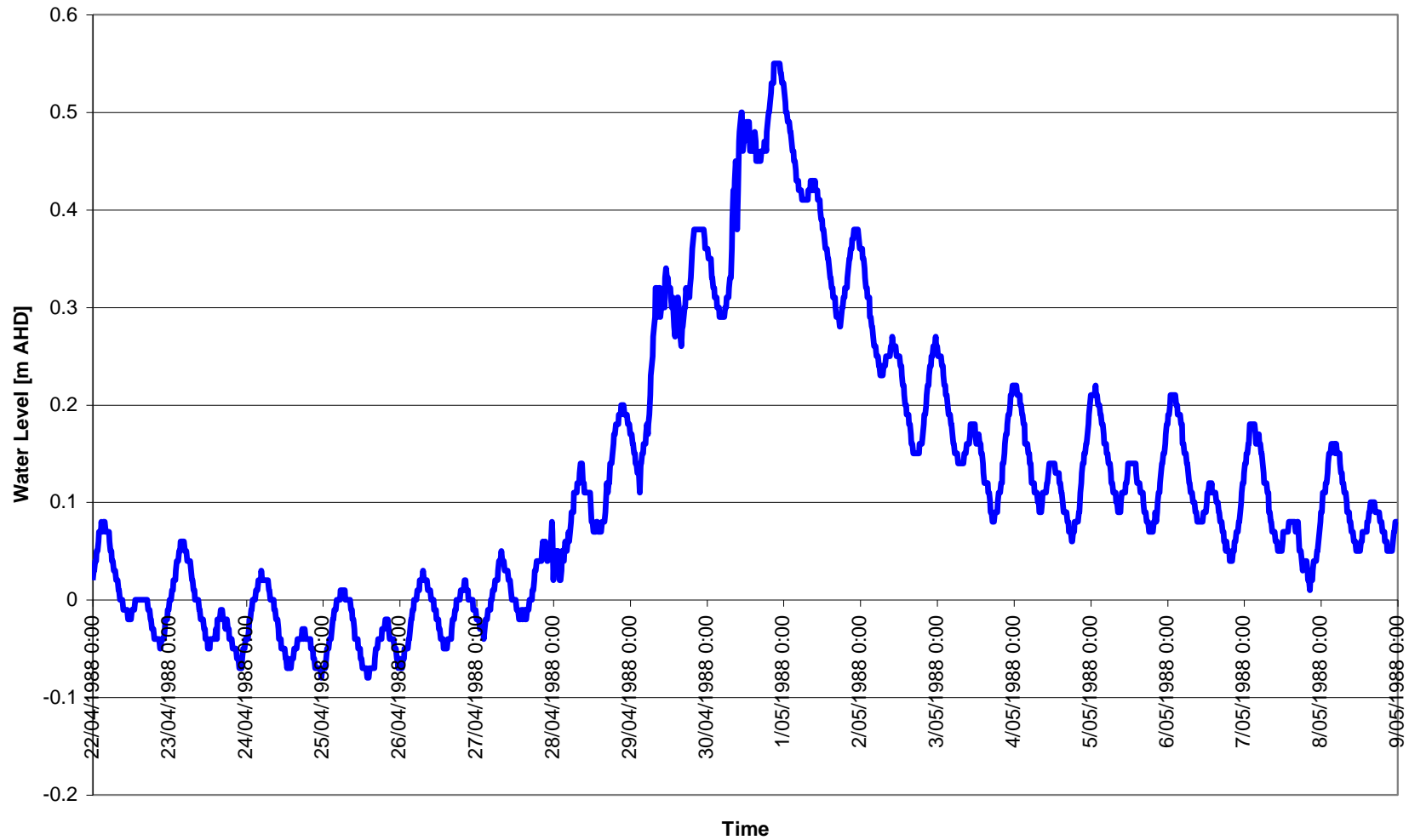




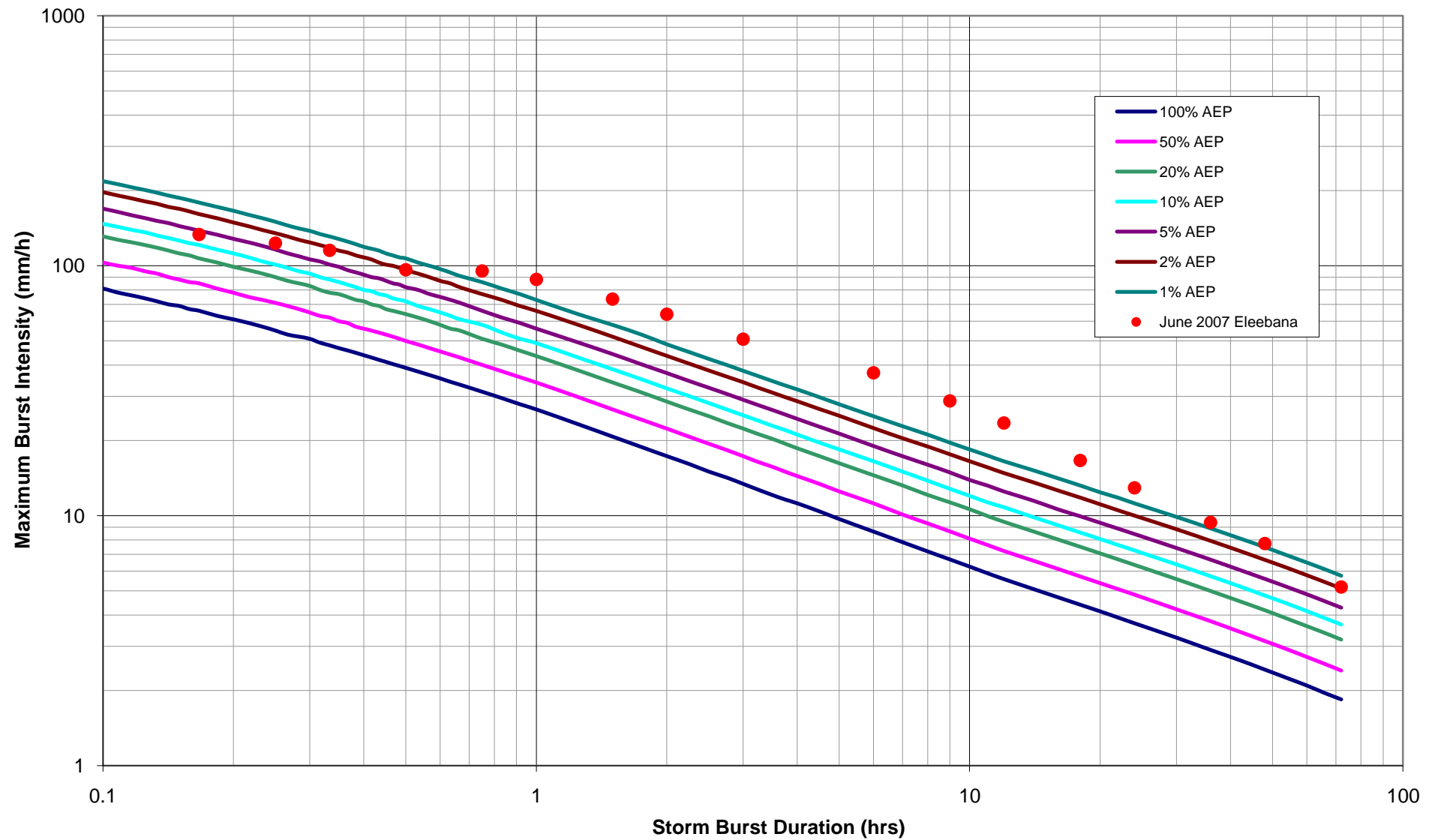















Intensity - Frequency - Duration Data




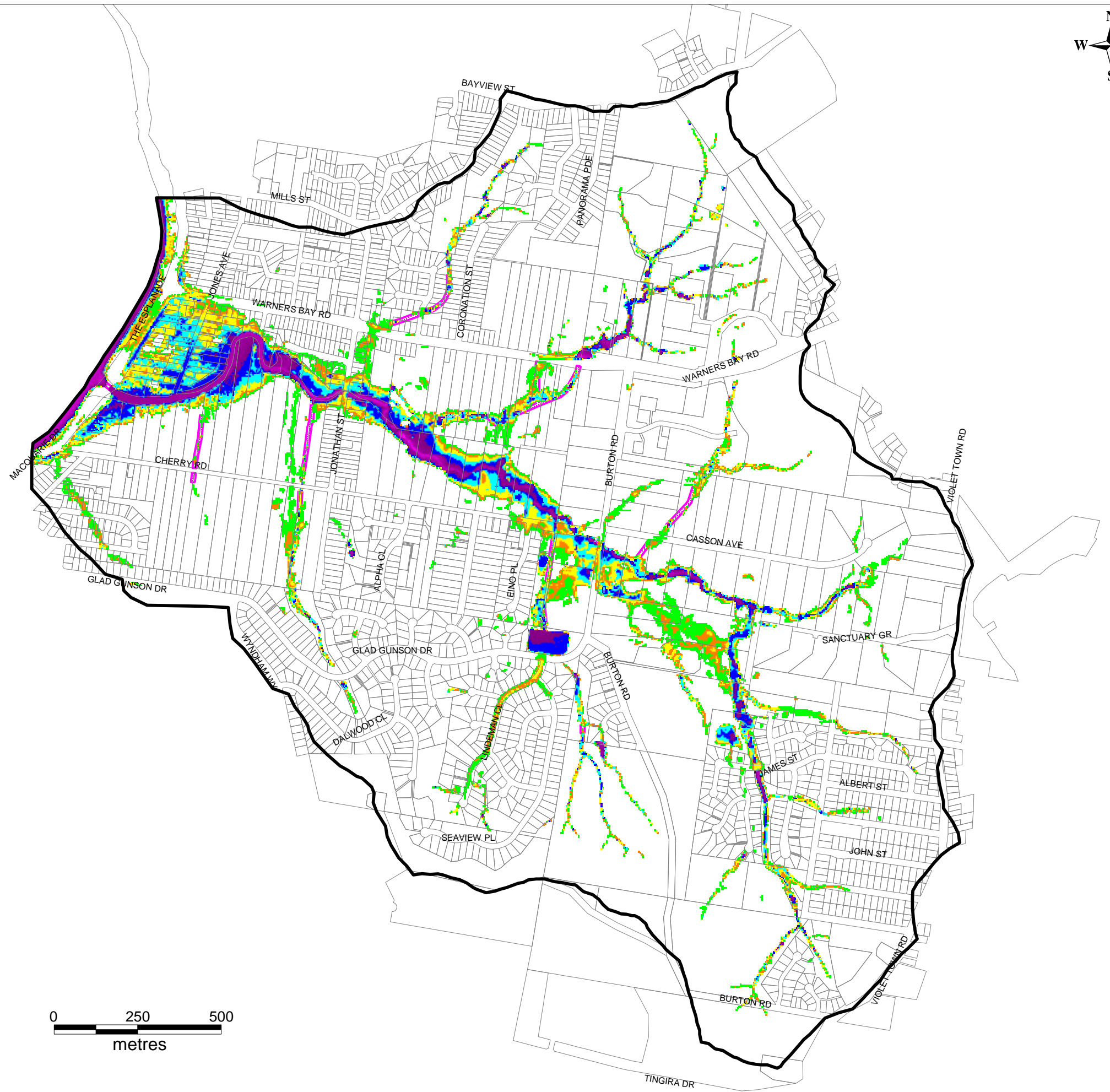
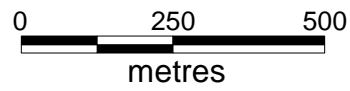


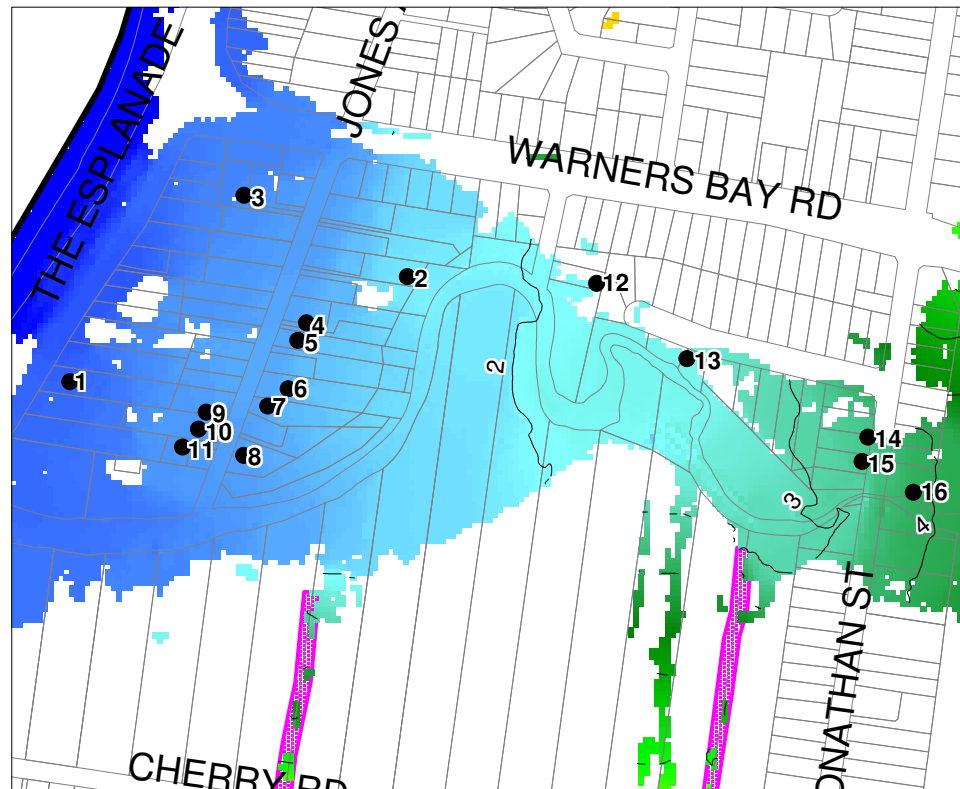
**LEGEND -
PEAK DEPTH (m)**

	0.10-0.19m
	0.20-0.29m
	0.30-0.49m
	0.50-0.69m
	0.70-0.99m
	> 1.0m

 Catchment Extent

 Channel





INSET

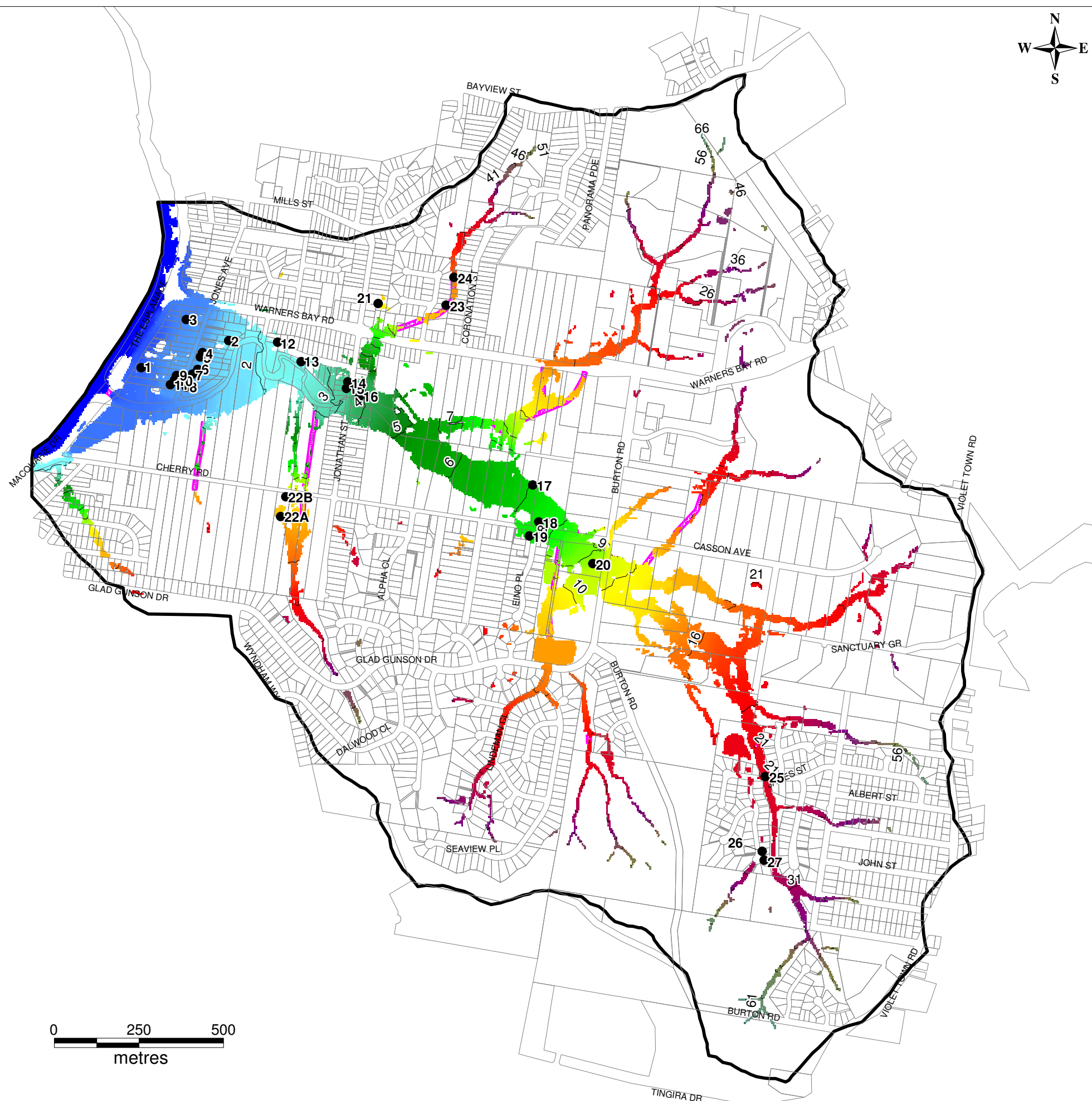
**LEGEND -
WATER LEVEL (m AHD)**



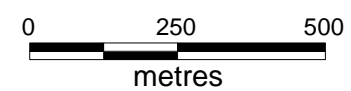
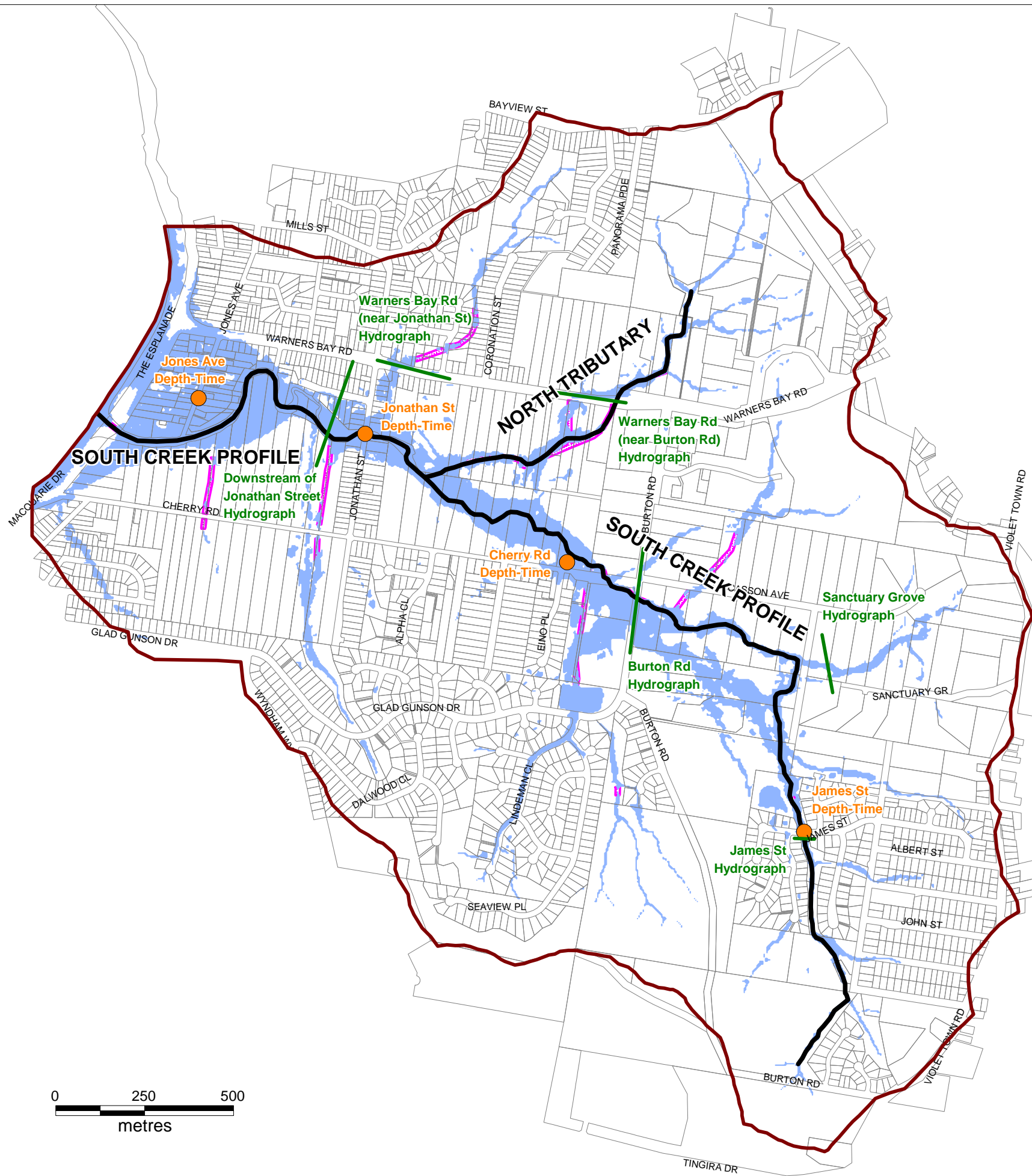
Catchment Extent

Channel

Calibration Location

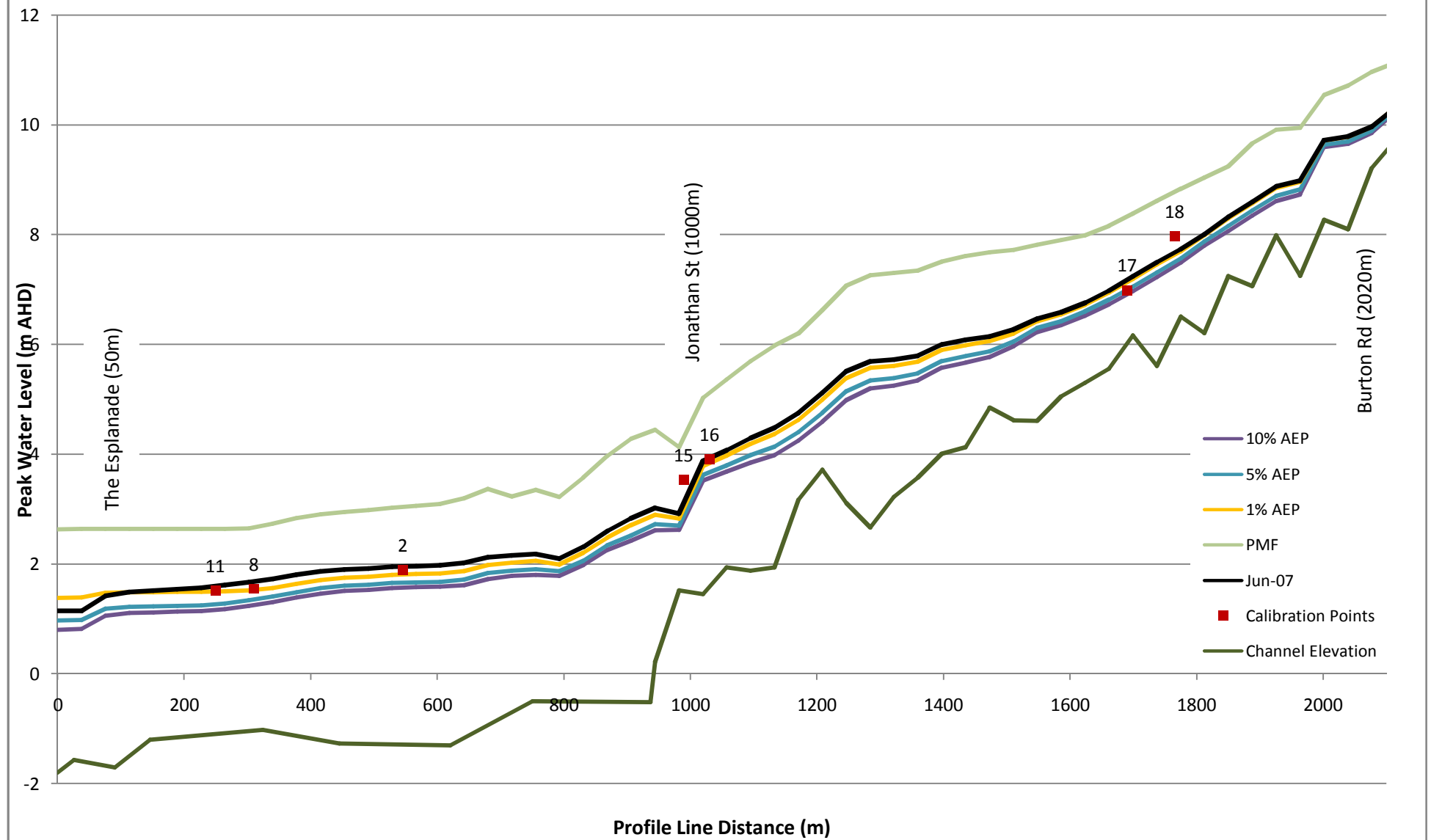


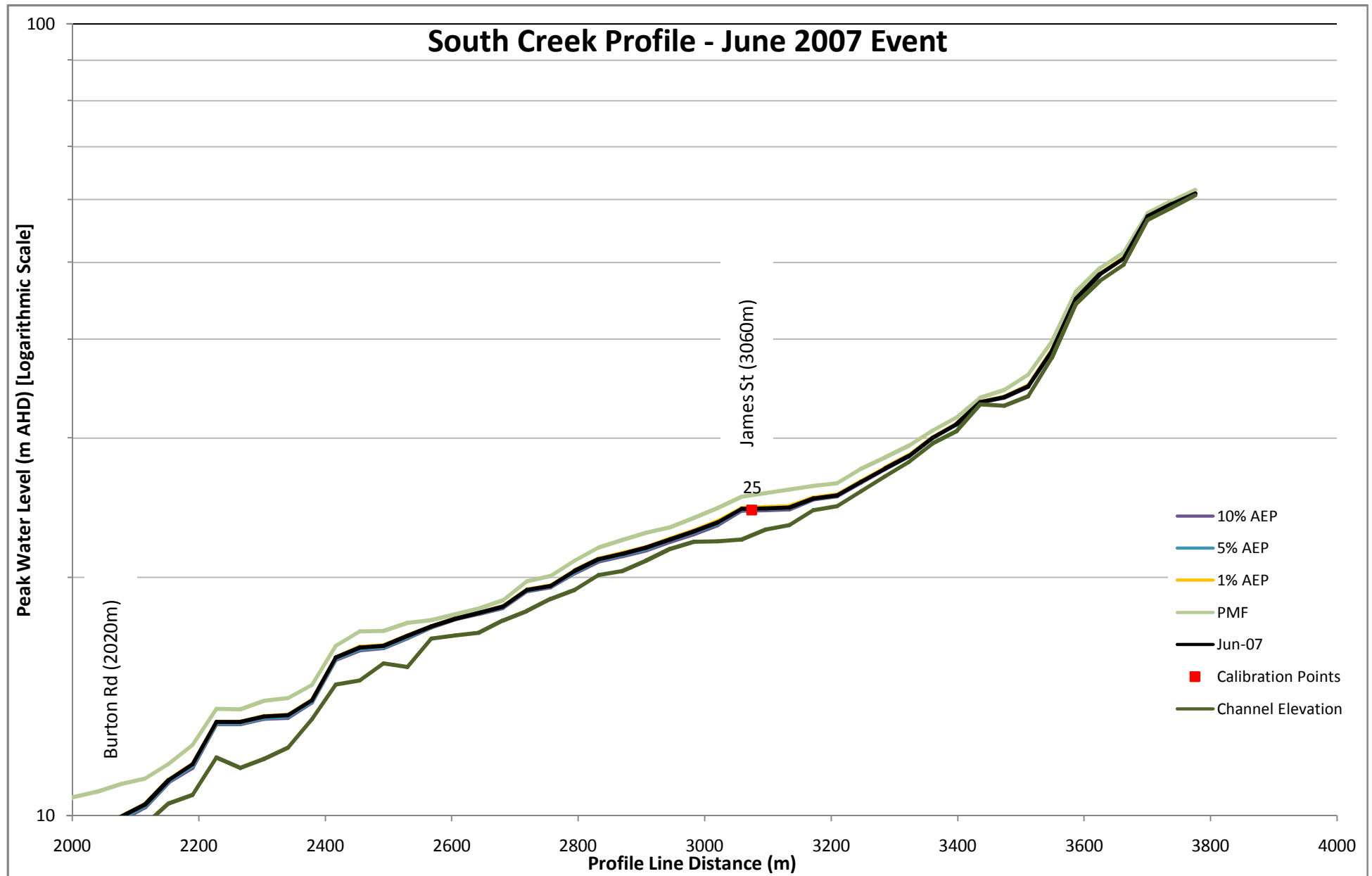
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metres



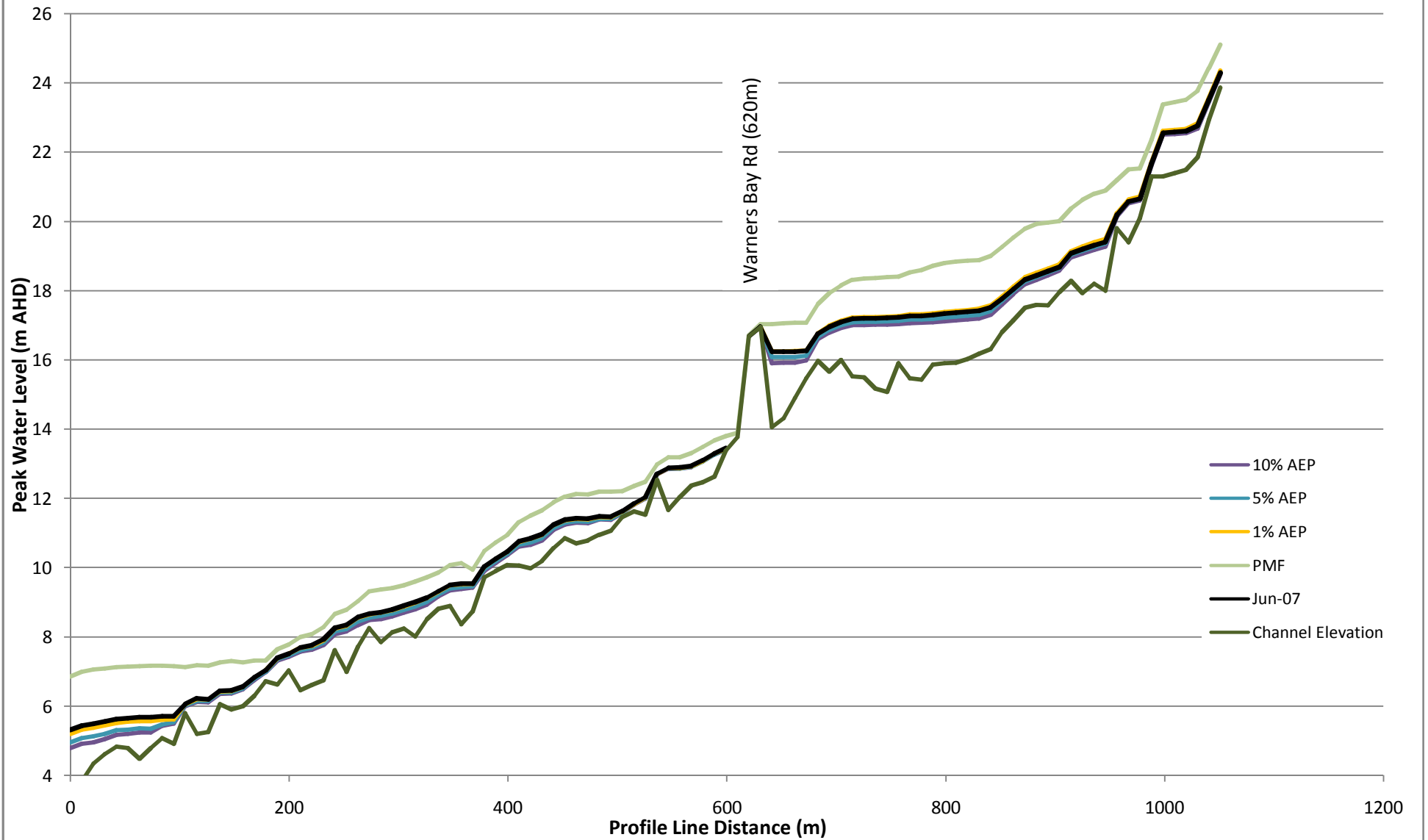
- Catchment Extent
- June 2007 Event Inundation Extent
- Channel
- Creekline Profile Alignment
- Flow Hydrograph Location
- Depth-Time Graph Location

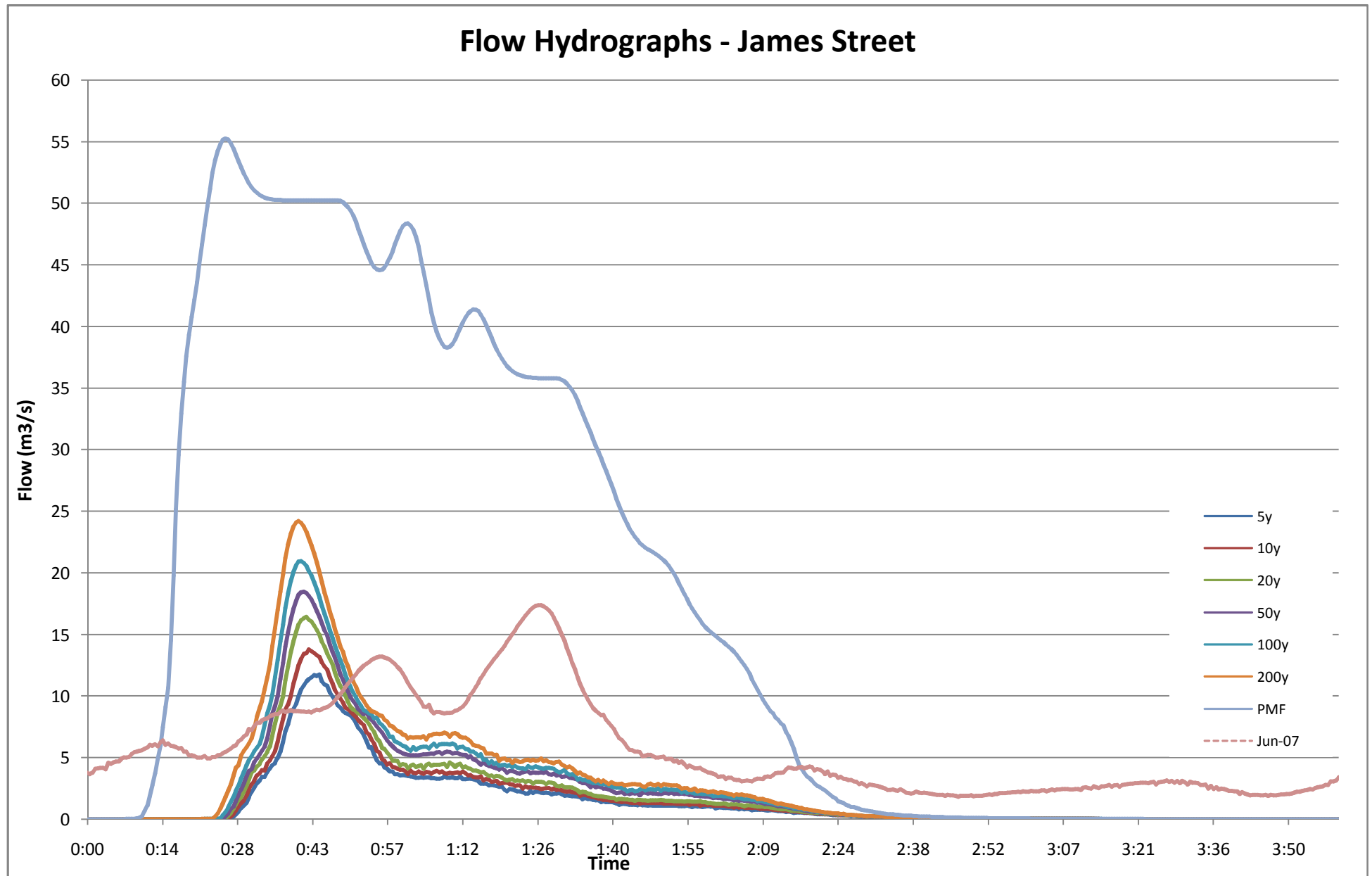
South Creek Profile - June 2007 Event

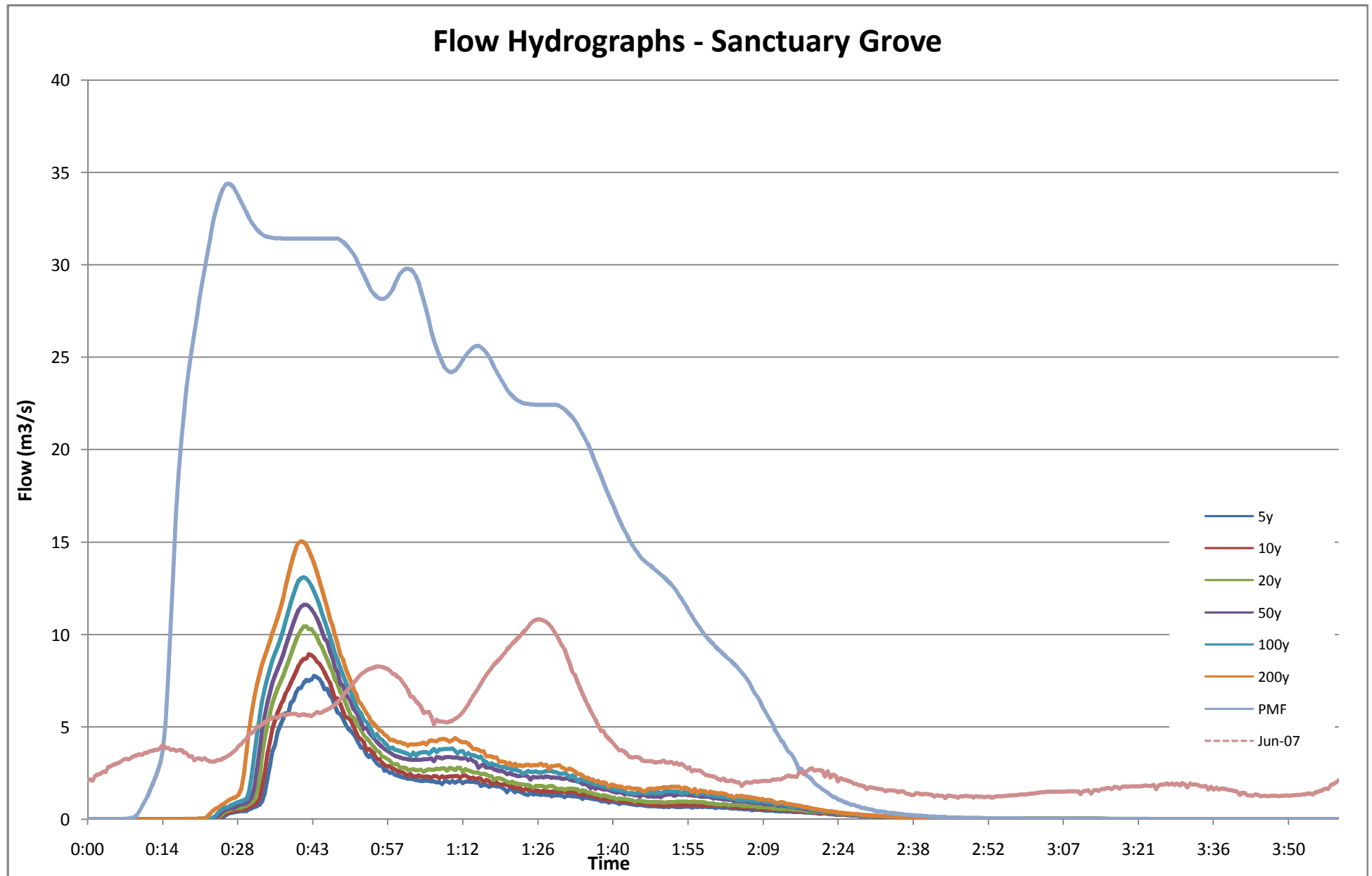


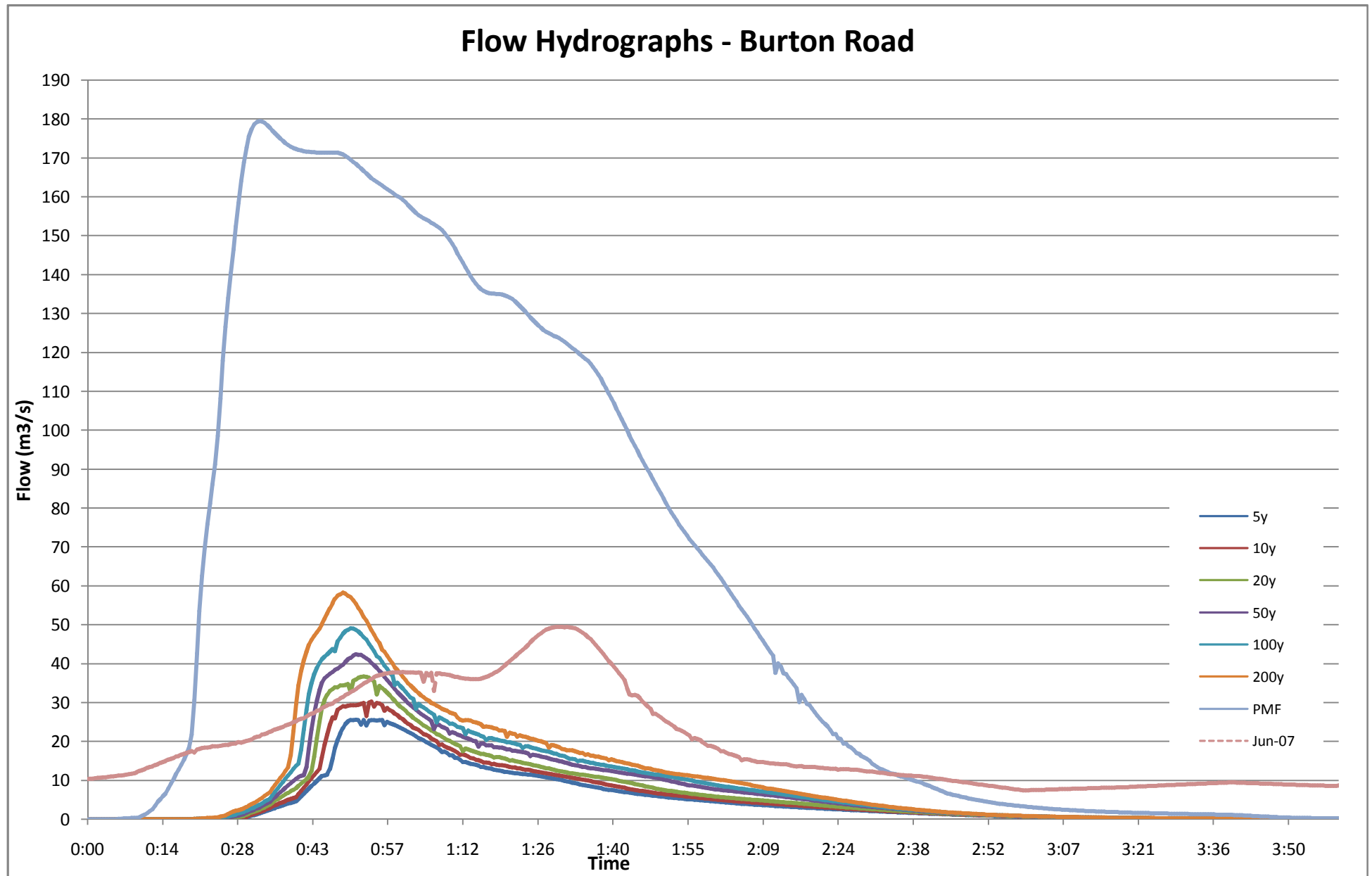


North Tributary Profile - June 2007 Event

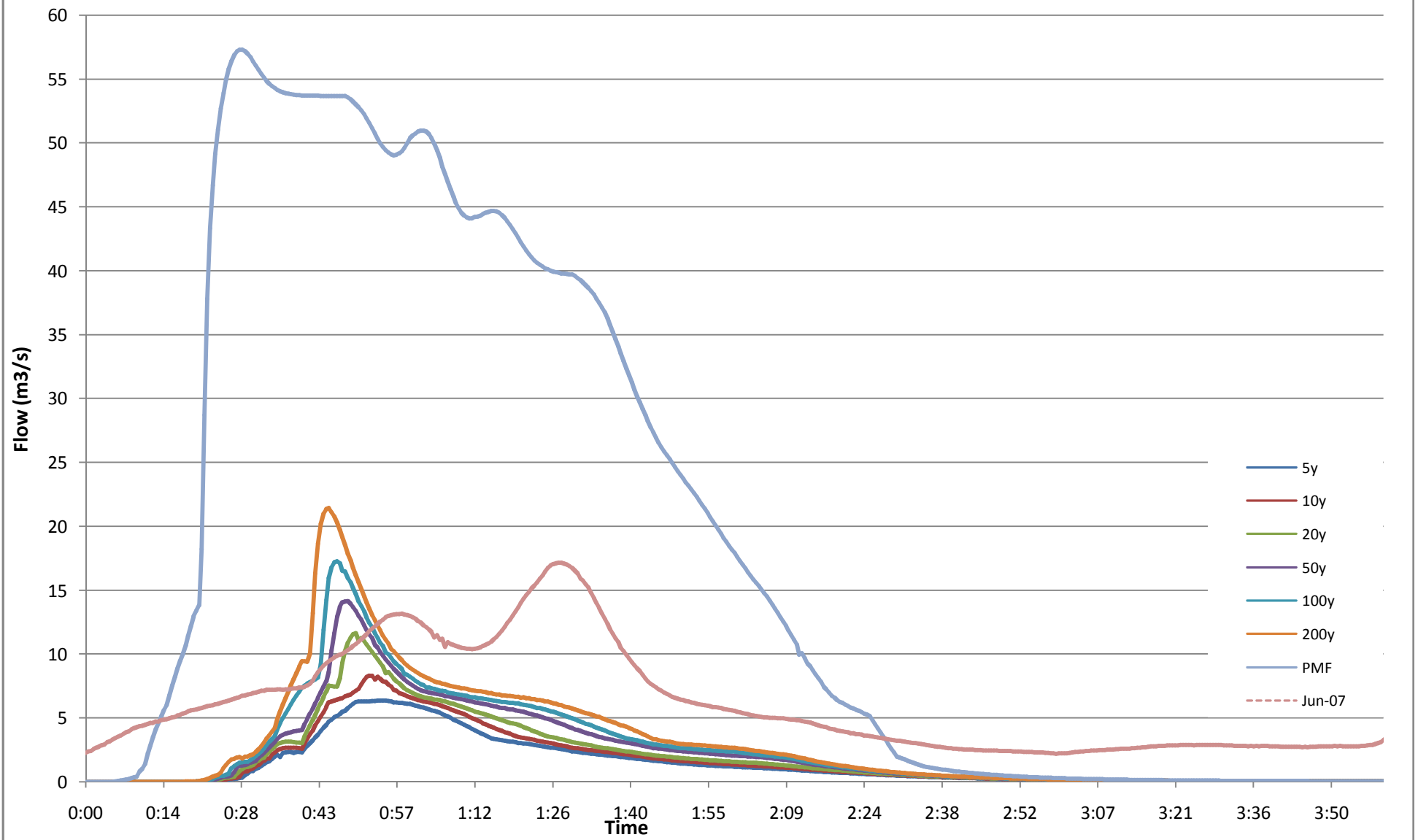




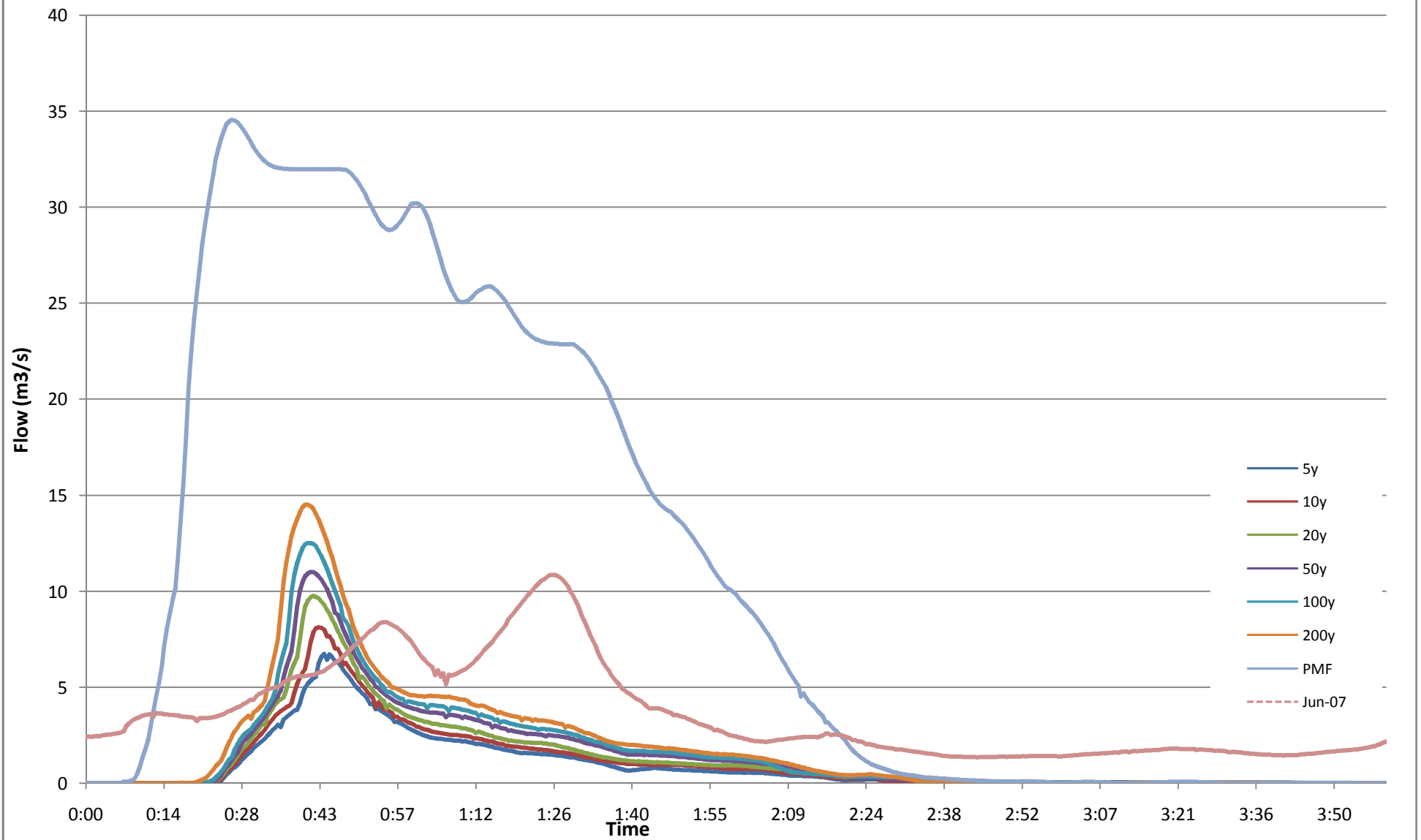


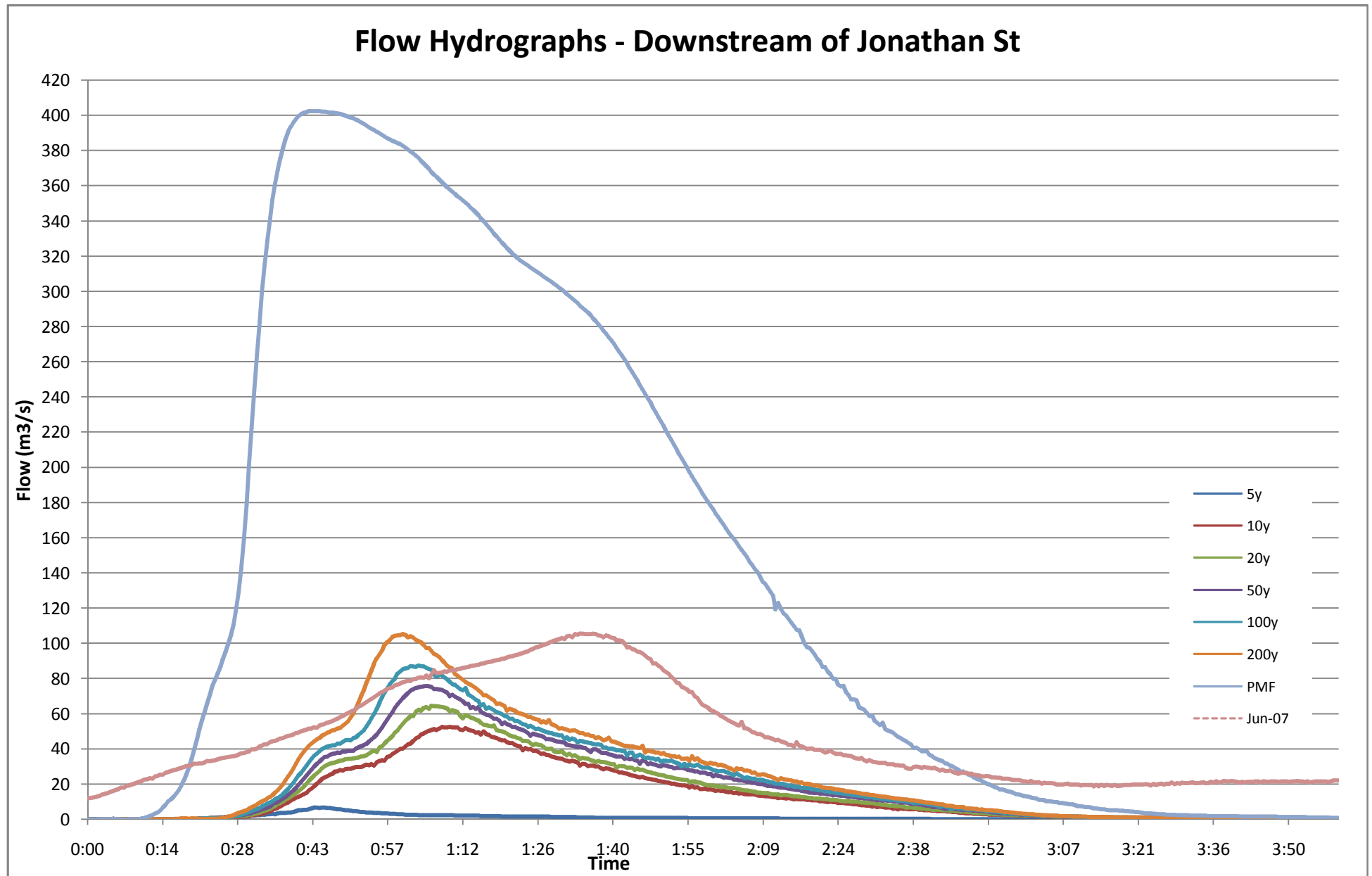


Flow Hydrographs - Warners Bay Road (near Burton Rd)

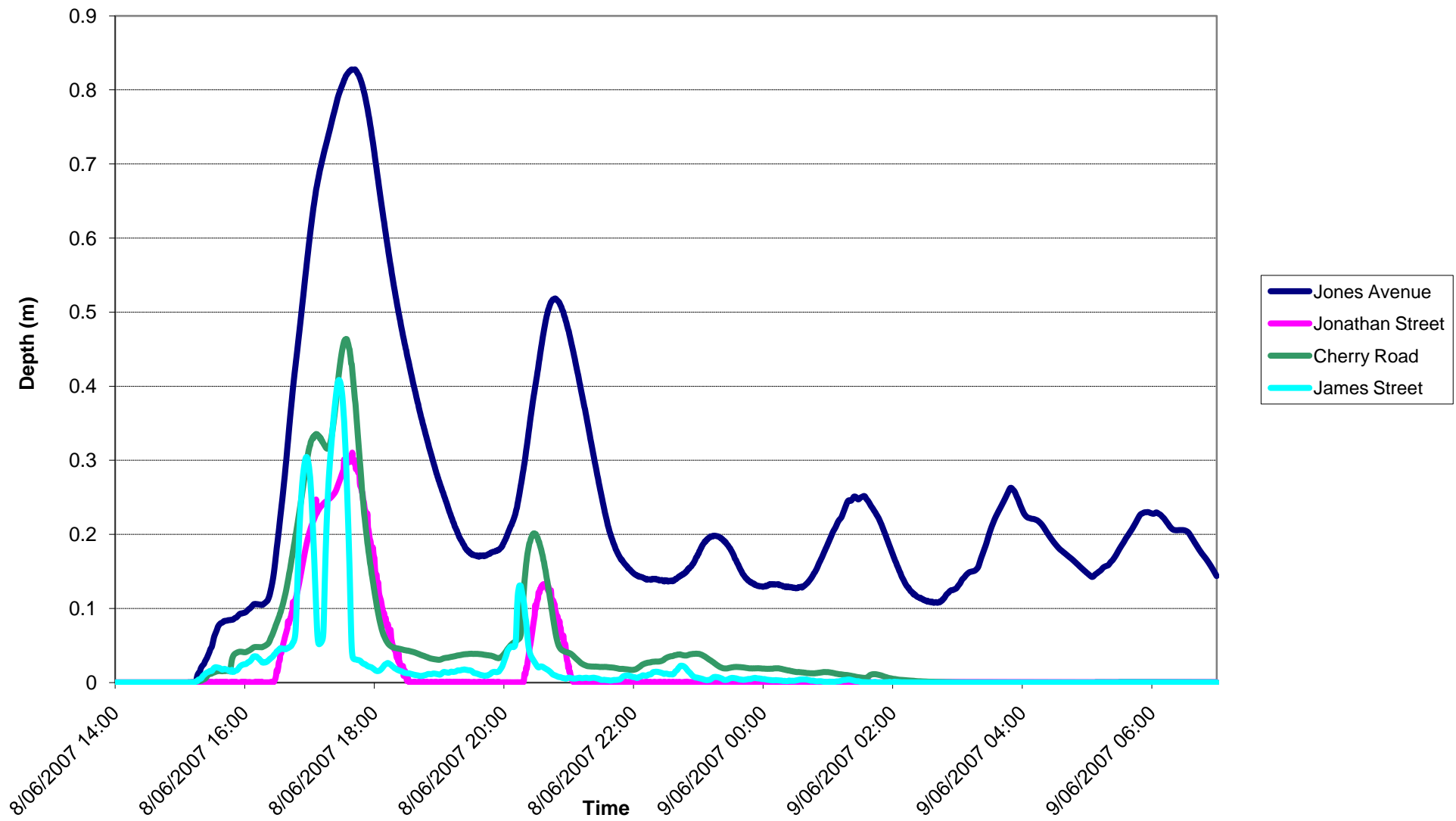


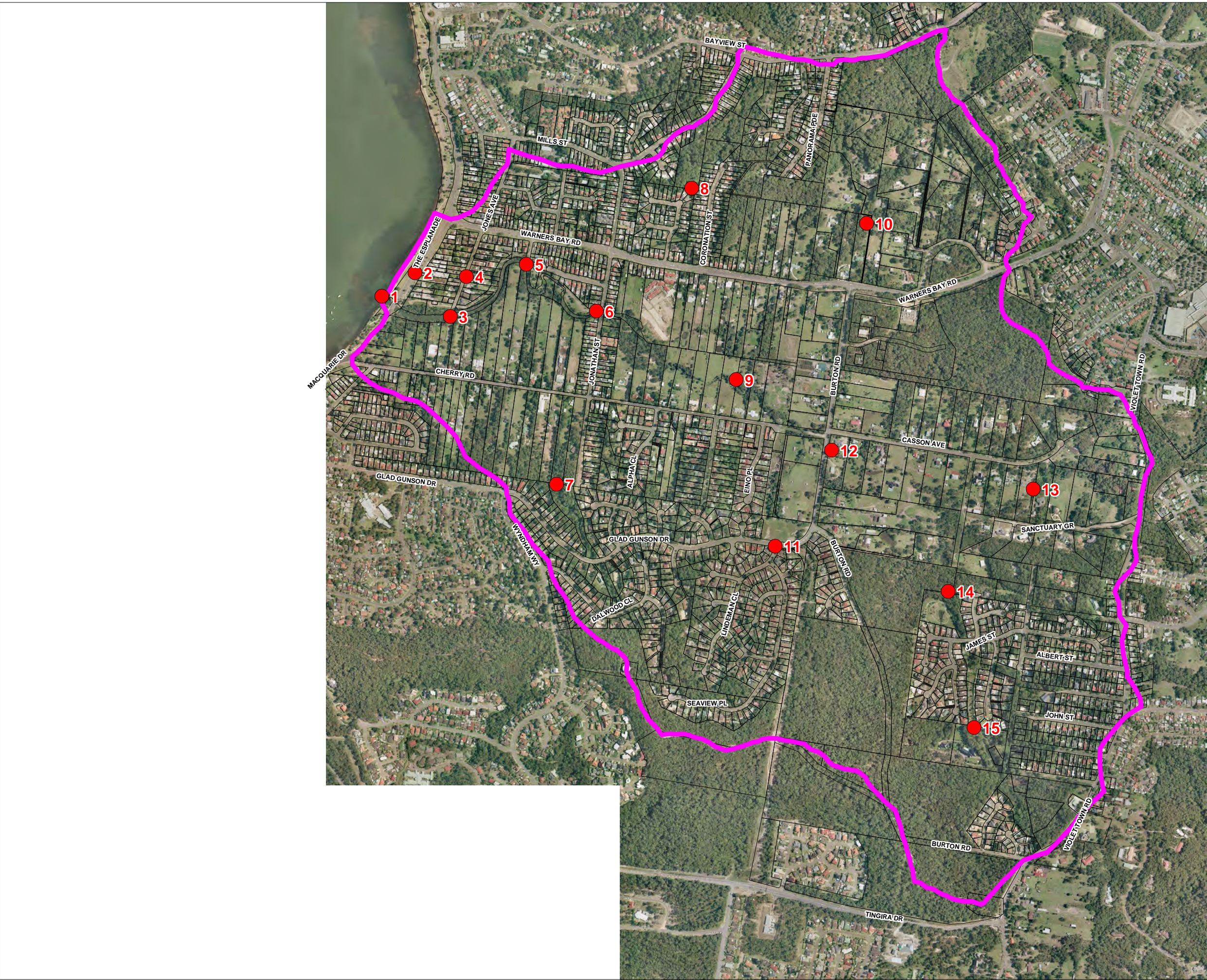
Flow Hydrographs - Warners Bay Road (near Jonathan St)





June 2007 Event - Depth-Time Graphs





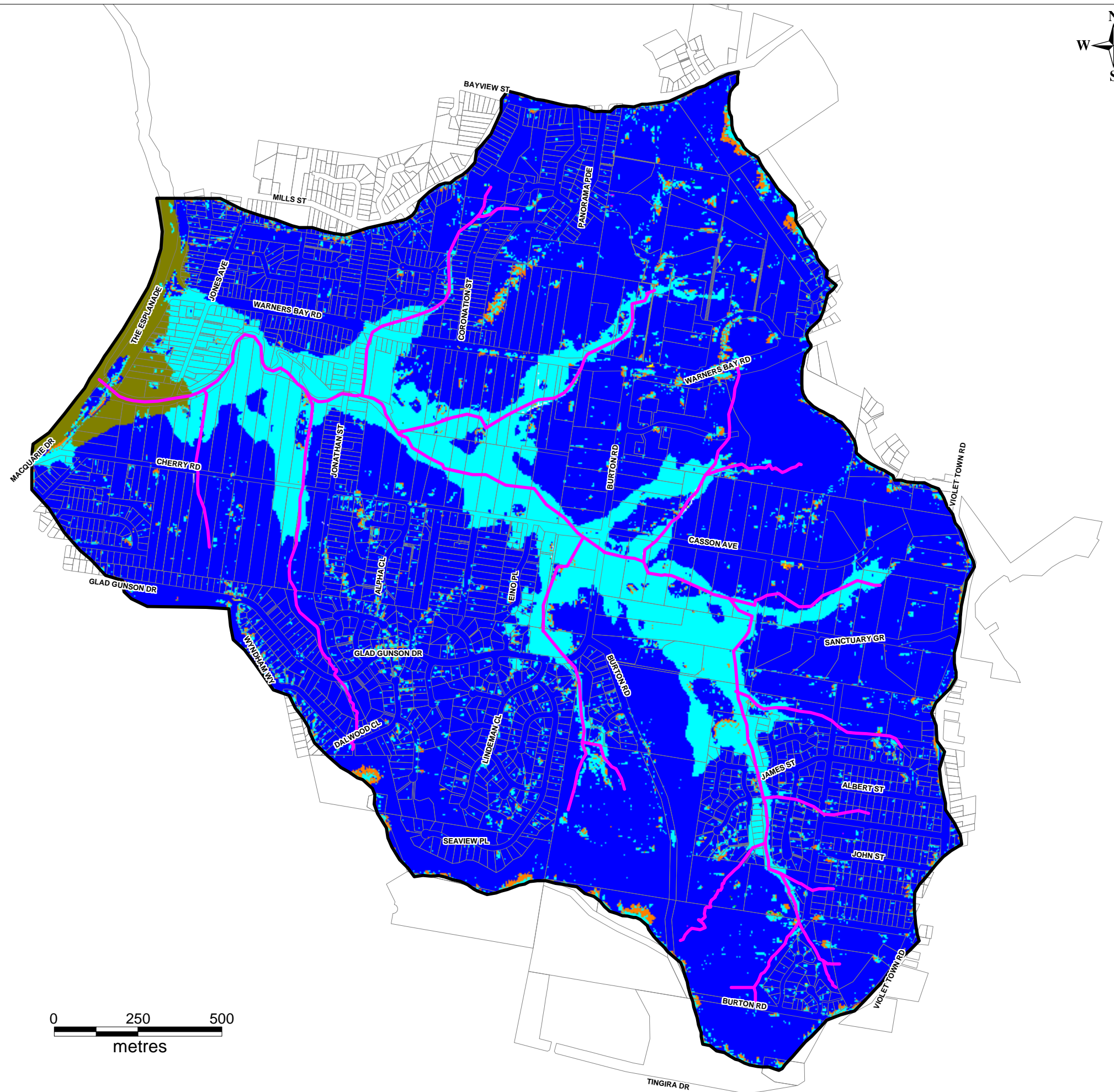
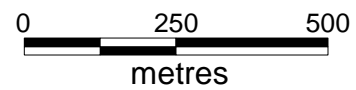


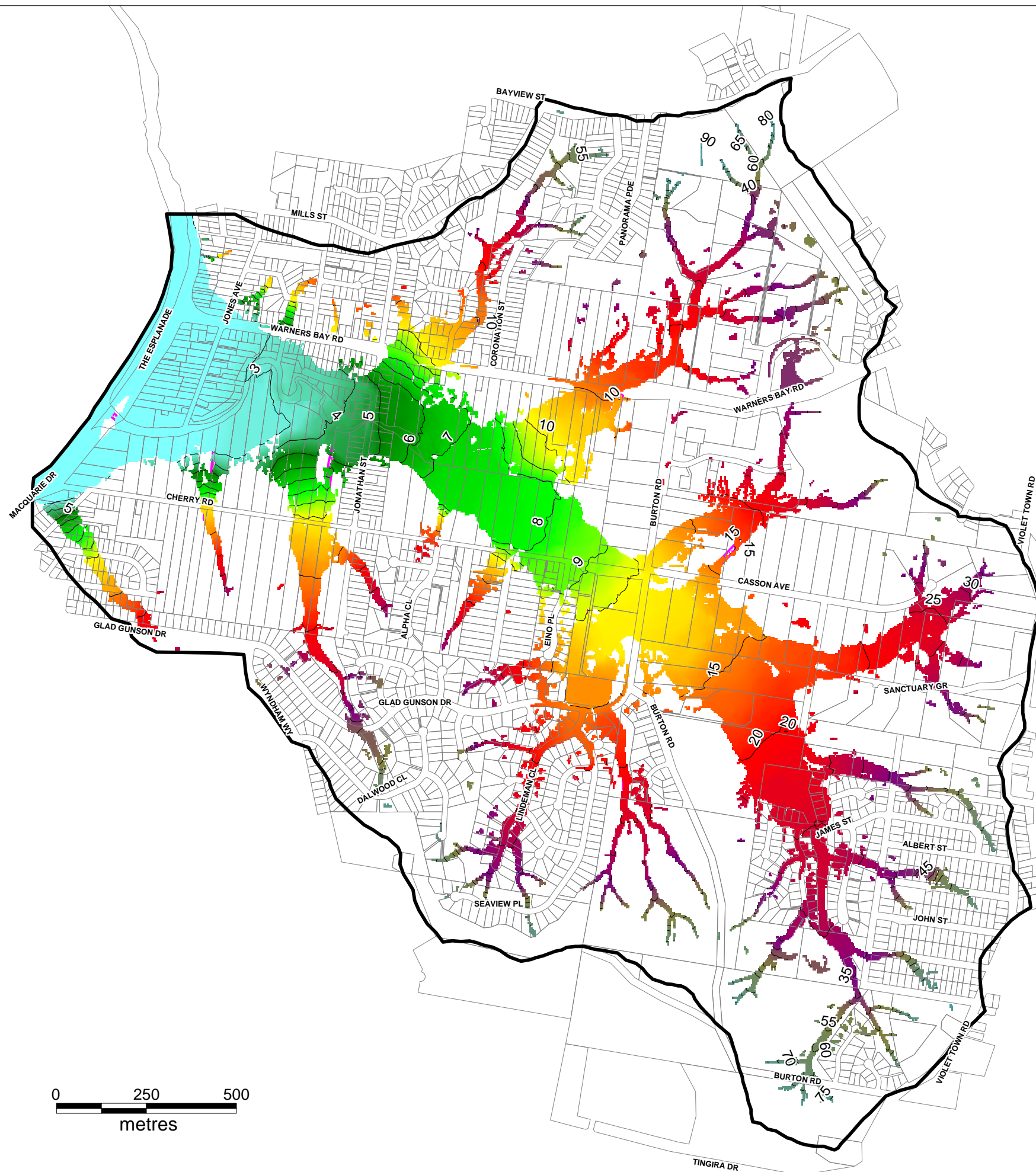
**LEGEND -
CRITICAL DURATION (min)**

	15 minute
	30 minute
	45 minute
	60 minute
	90 minute
	120 minute
	180 minute
	270 minute
	360 minute
	Tailwater Level

CATCHMENT EXTENT

PRIMARY FLOWPATHS

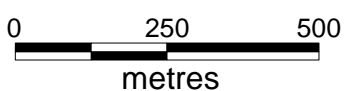


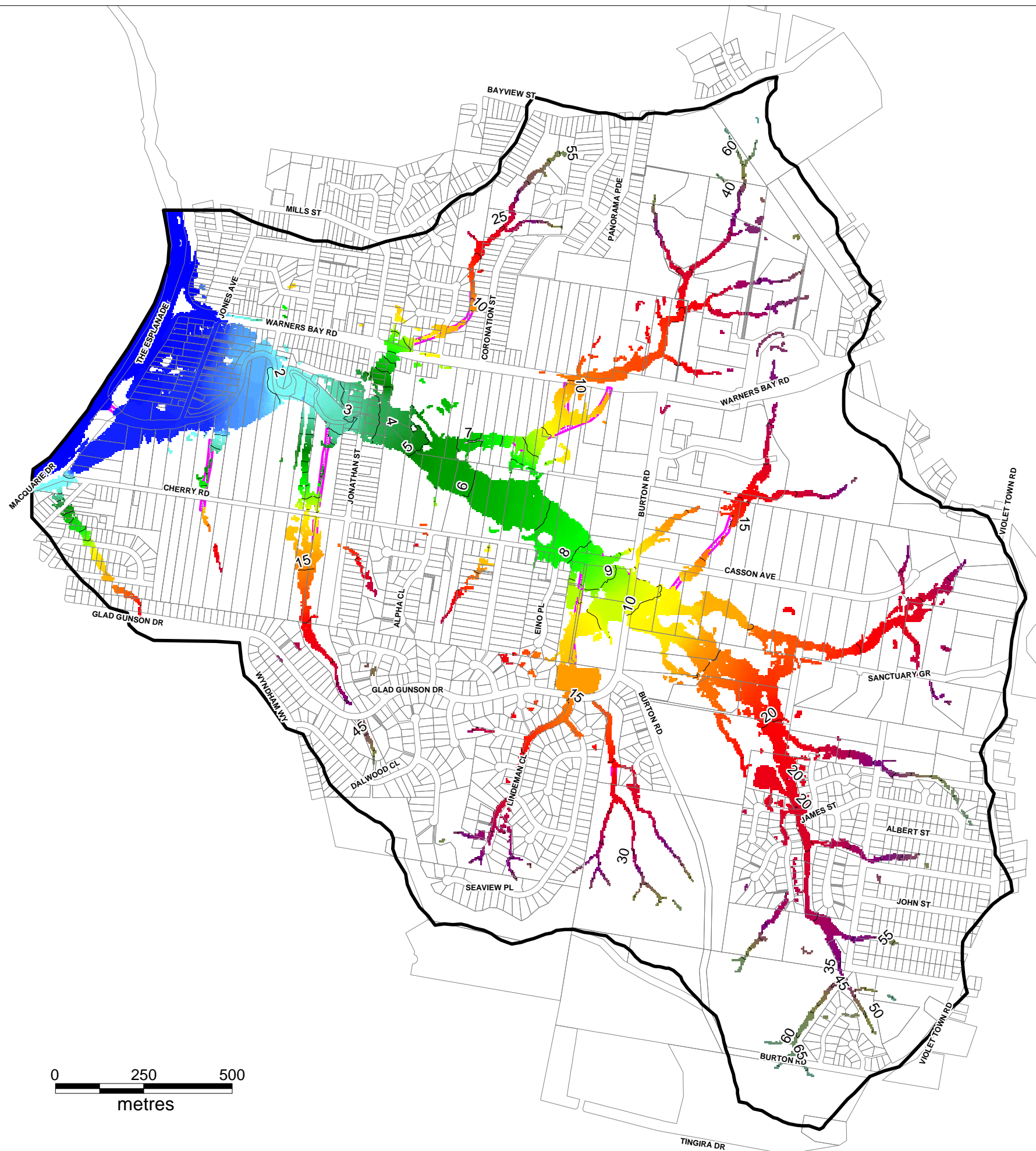


**LEGEND -
WATER LEVEL (m AHD)**

- <0 m
- 2 m
- 5 m
- 8 m
- 10 m
- 15 m
- 20 m
- 35 m
- 50 m
- >80 m

- Catchment Extent
- Channel

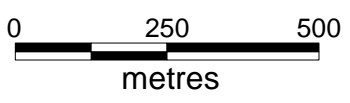


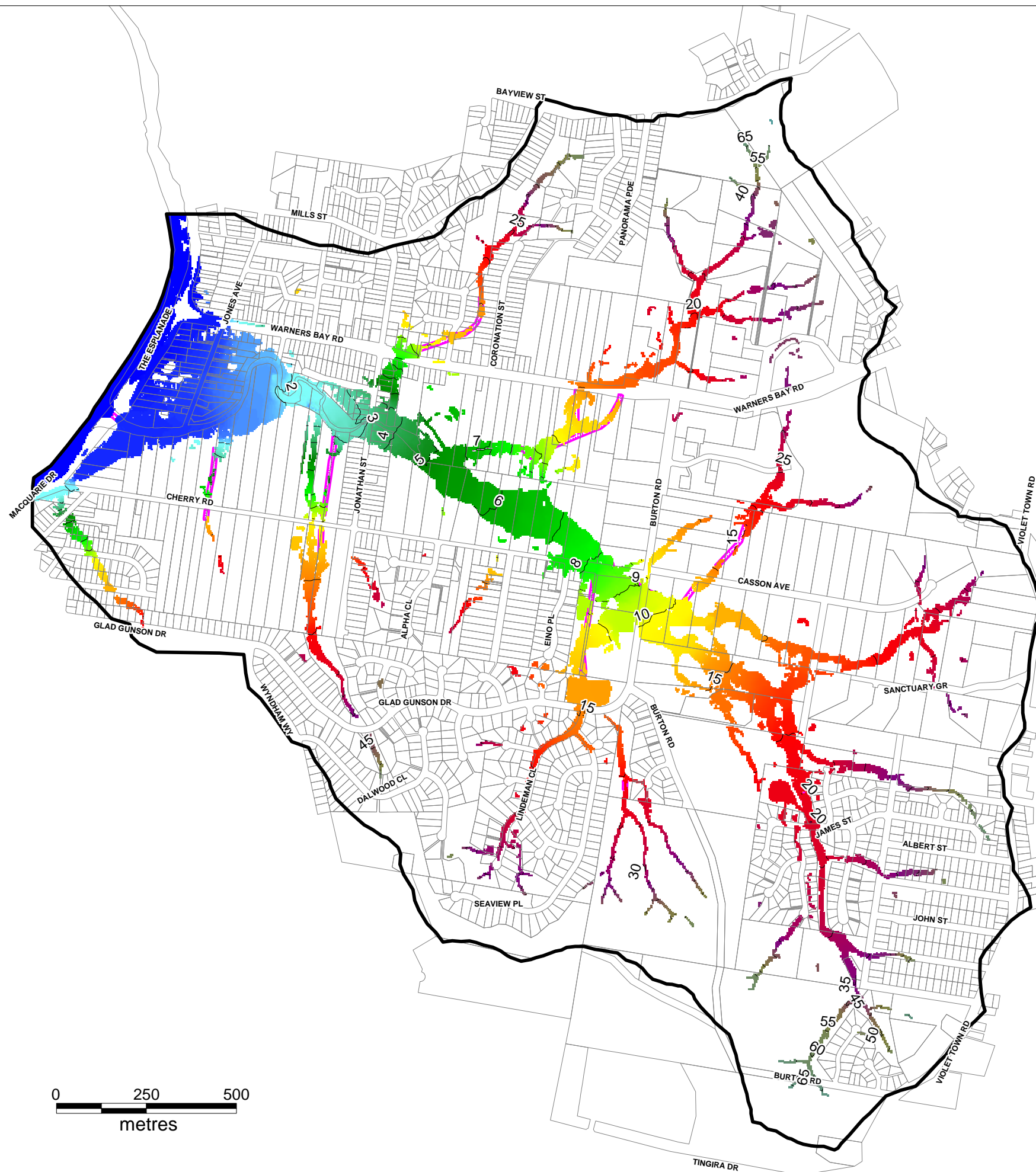


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- Channel

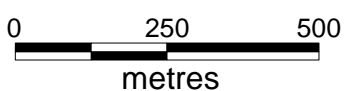


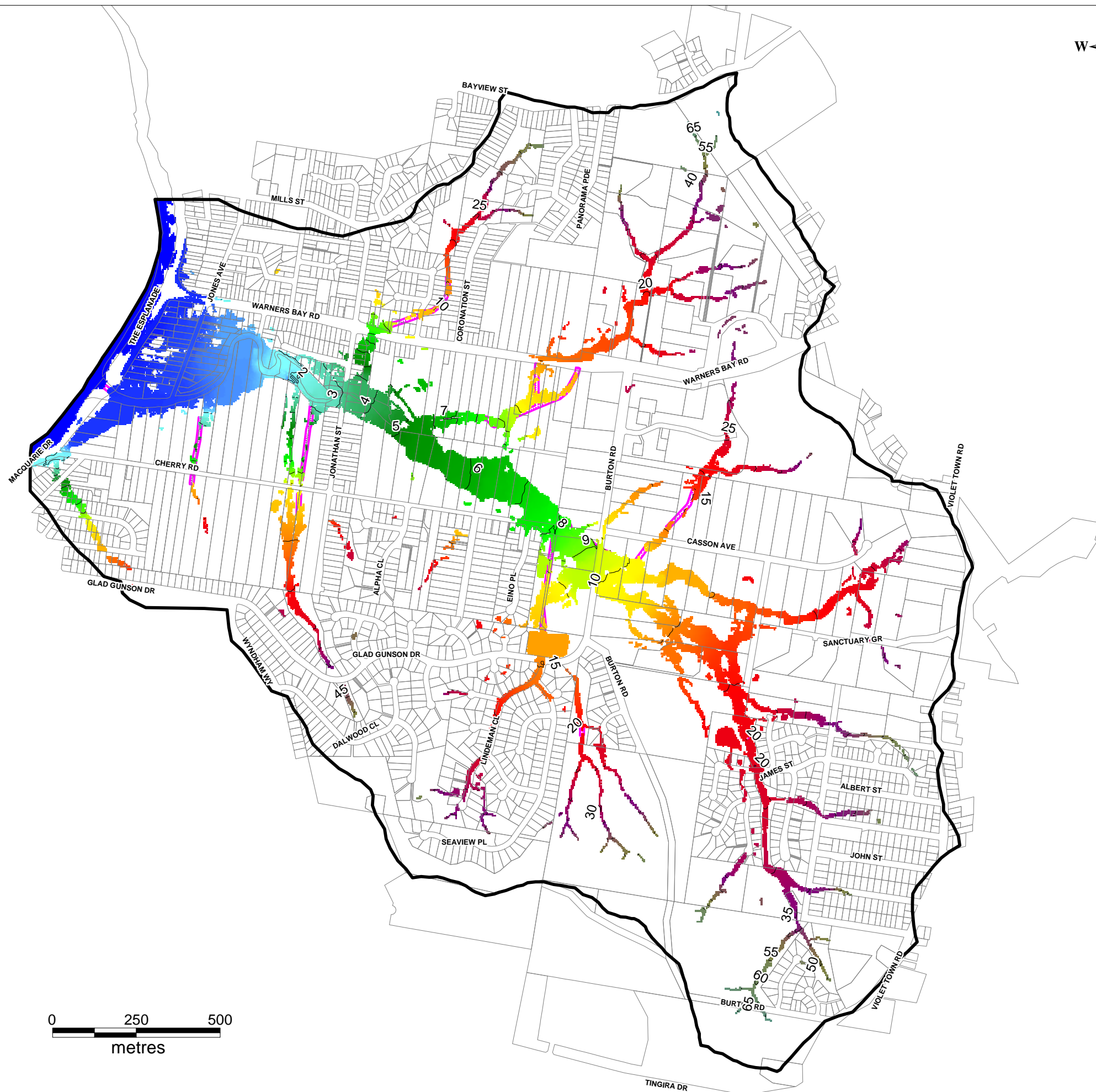


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- 15 m
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- 50 m
- >80 m

- Catchment Extent
- Channel

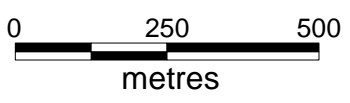


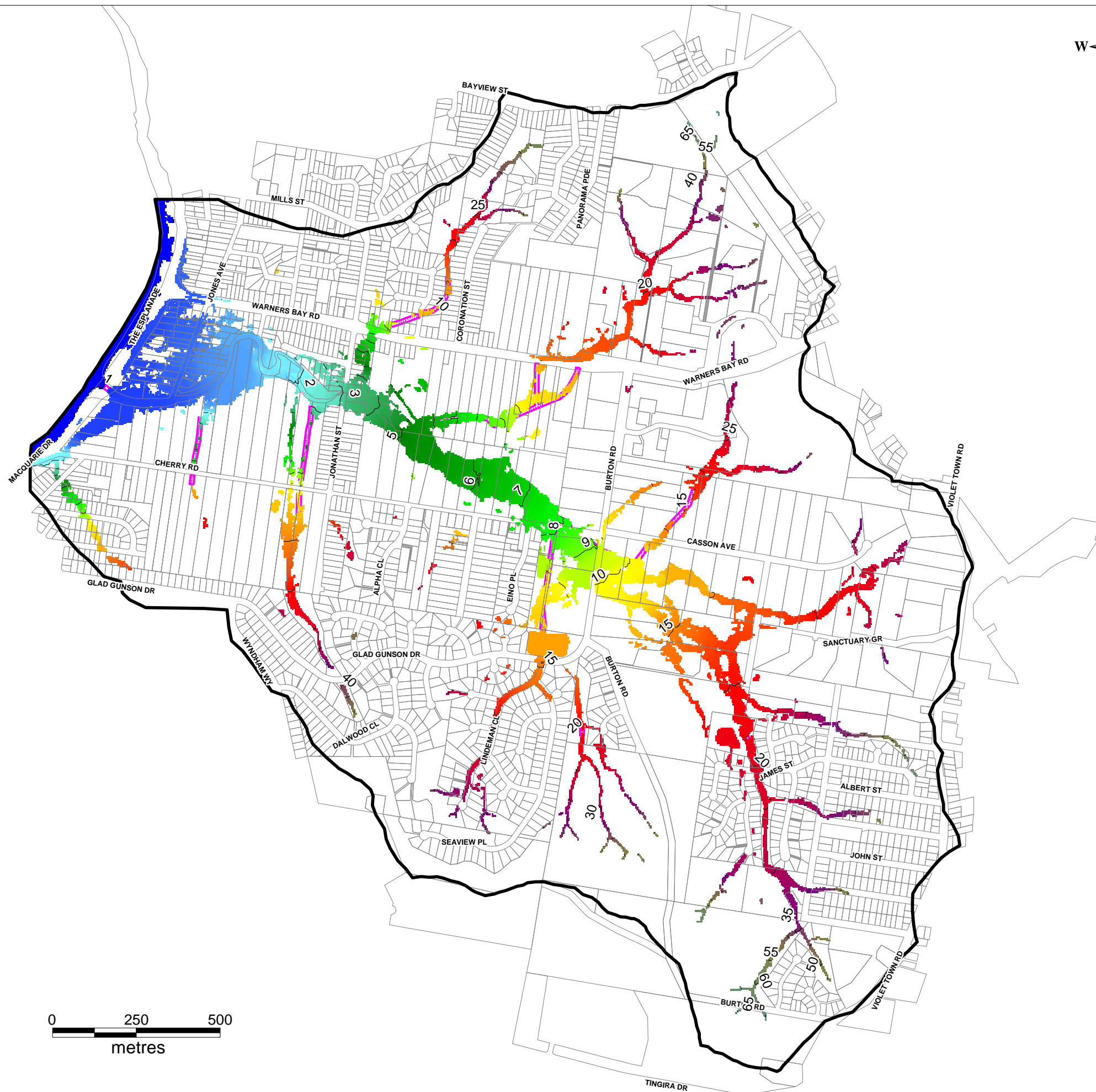


**LEGEND -
WATER LEVEL (m AHD)**

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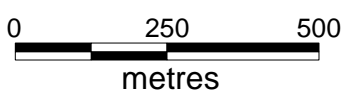


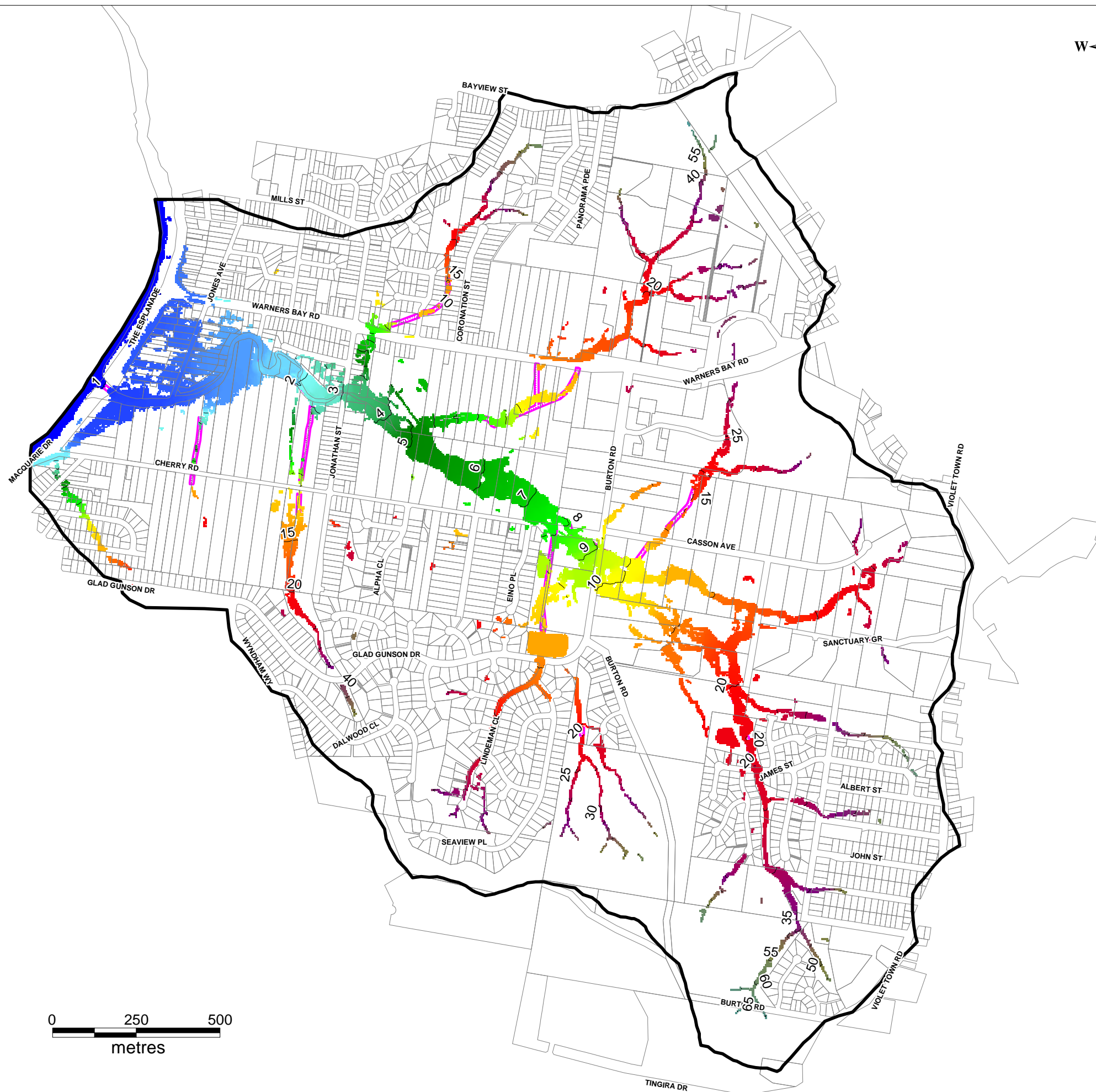


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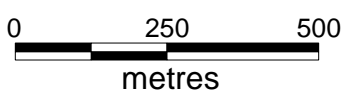


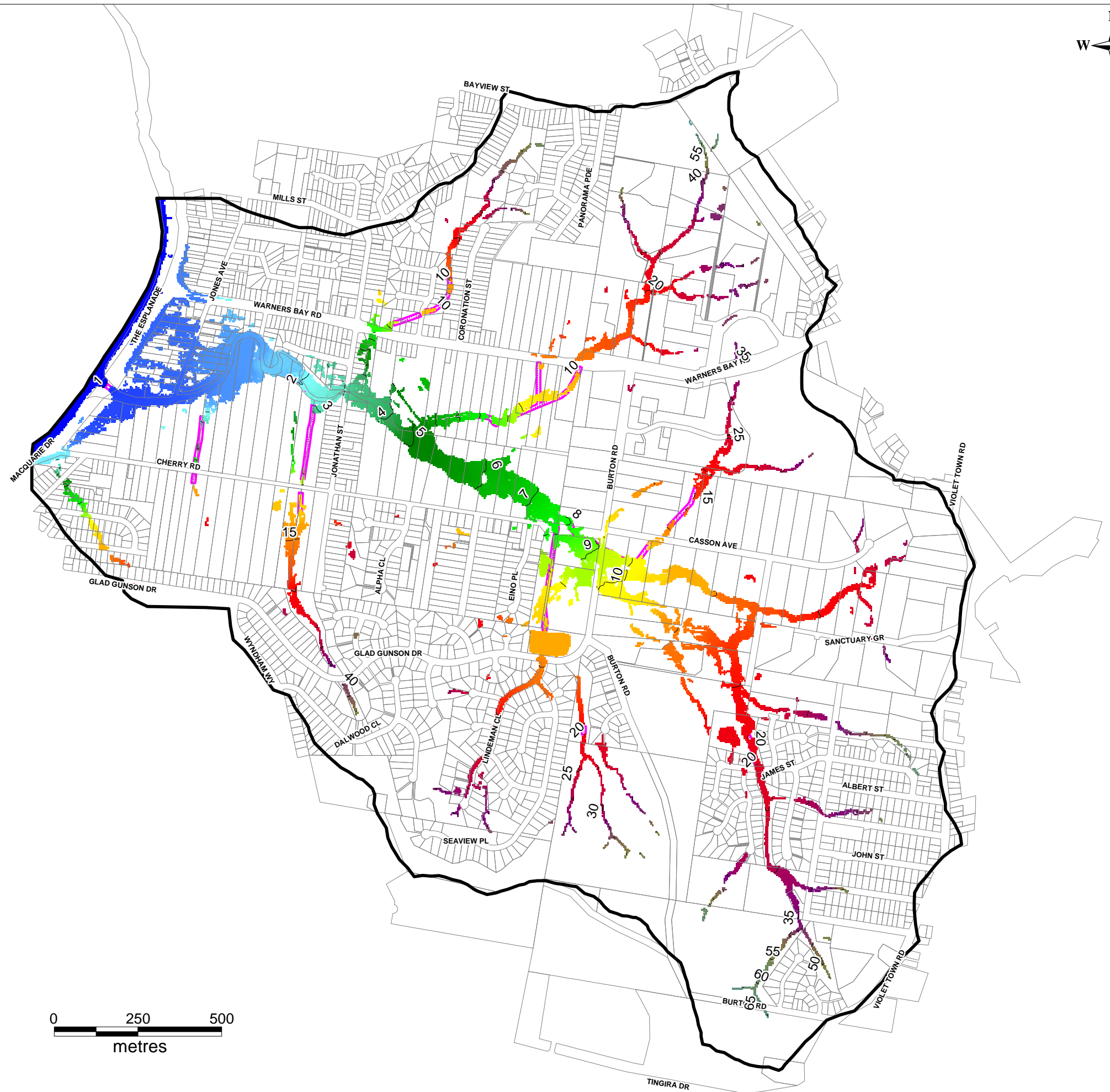
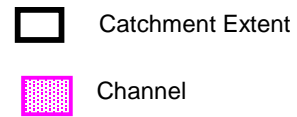
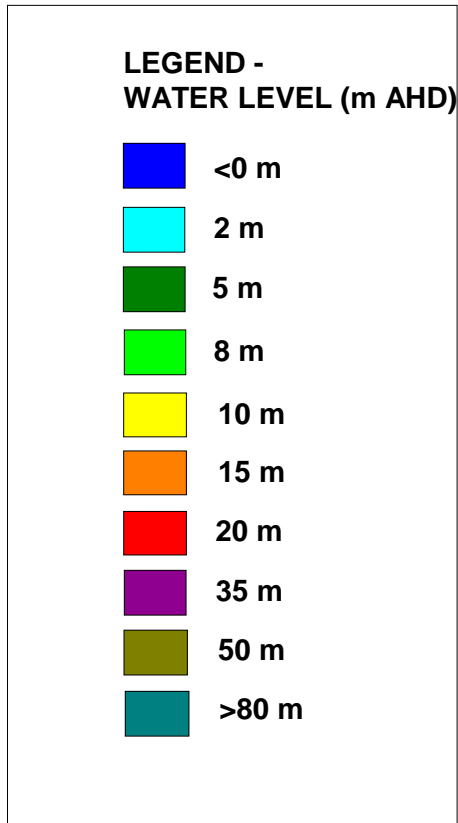


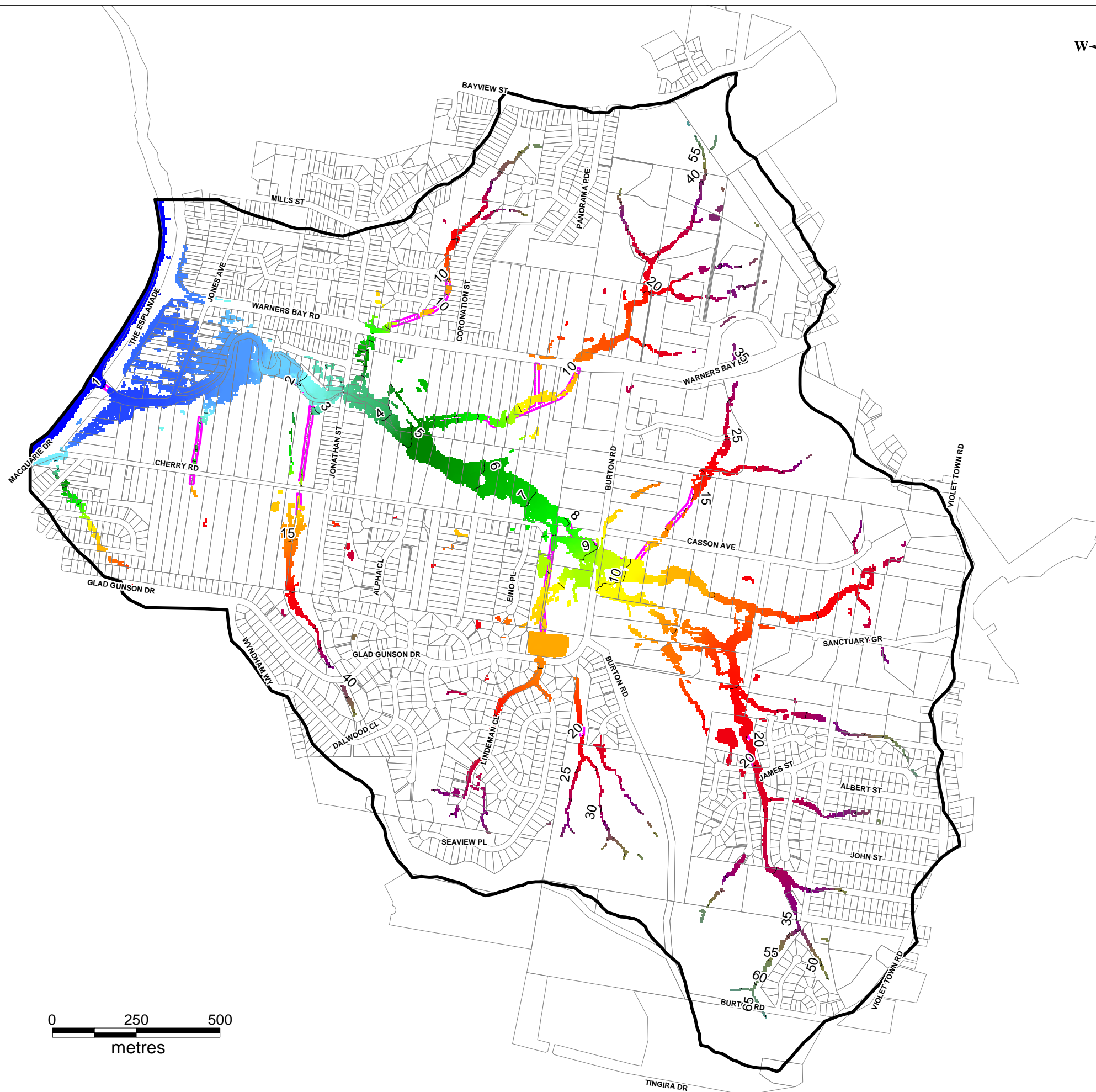
**LEGEND -
WATER LEVEL (m AHD)**

- <0 m
- 2 m
- 5 m
- 8 m
- 10 m
- 15 m
- 20 m
- 35 m
- 50 m
- >80 m

- Catchment Extent
- Channel



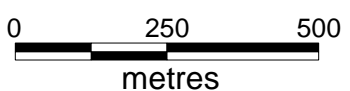


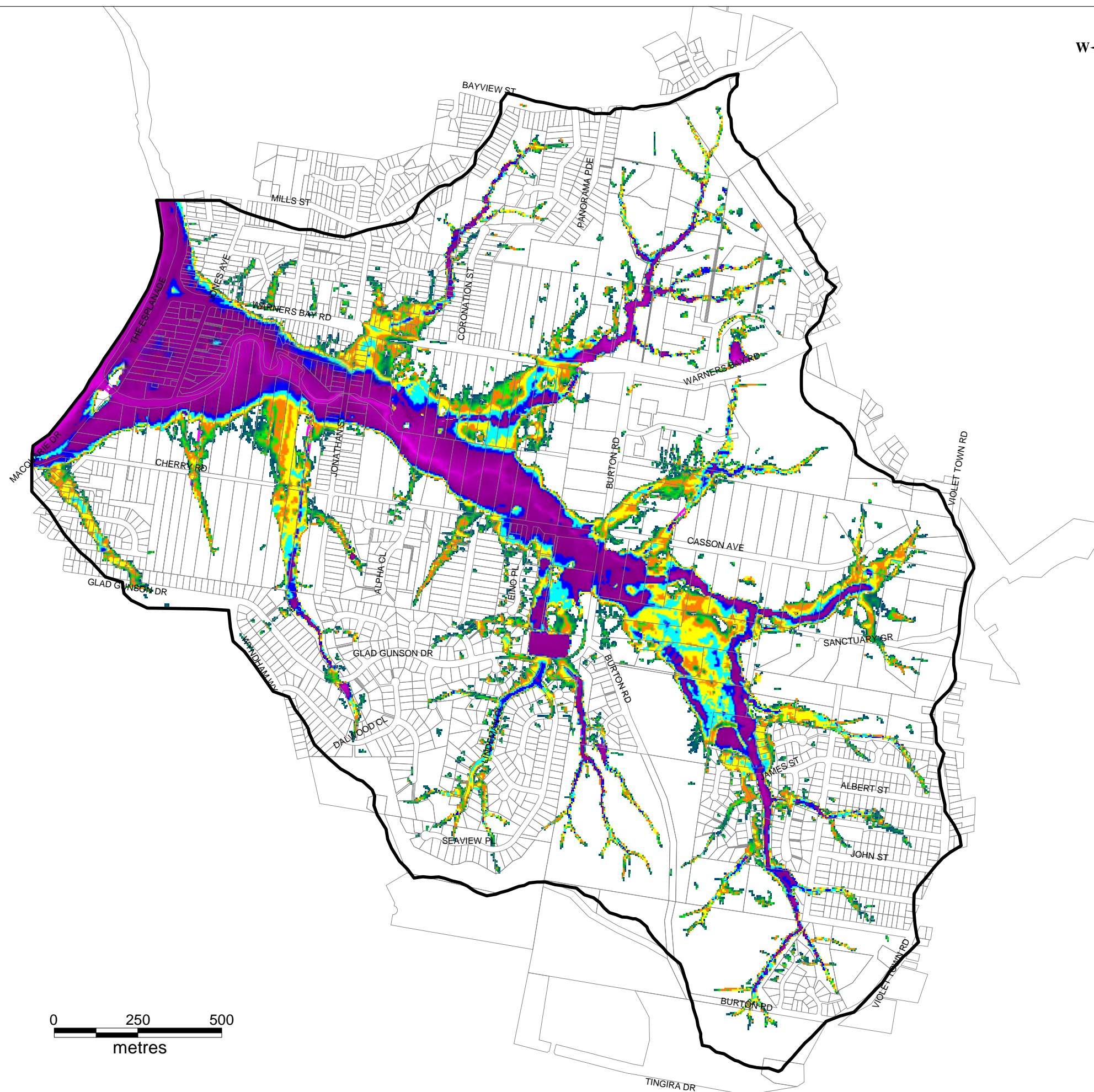
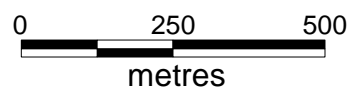
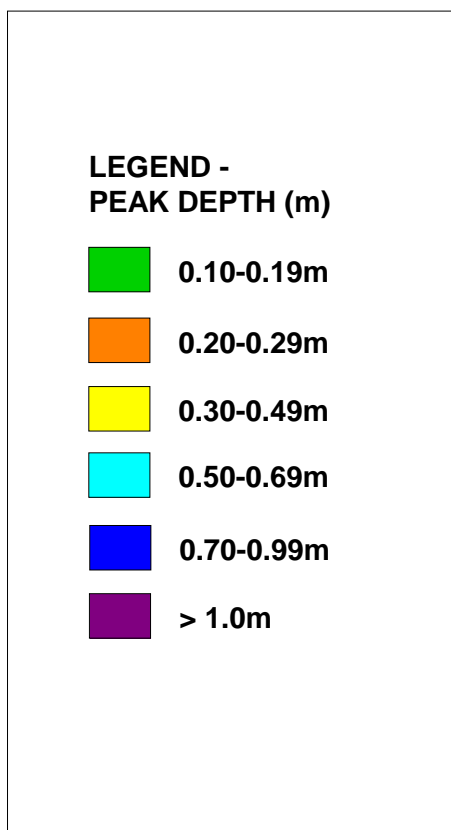


**LEGEND -
WATER LEVEL (m AHD)**

- <0 m
- 2 m
- 5 m
- 8 m
- 10 m
- 15 m
- 20 m
- 35 m
- 50 m
- >80 m







- Catchment Extent
- Channel







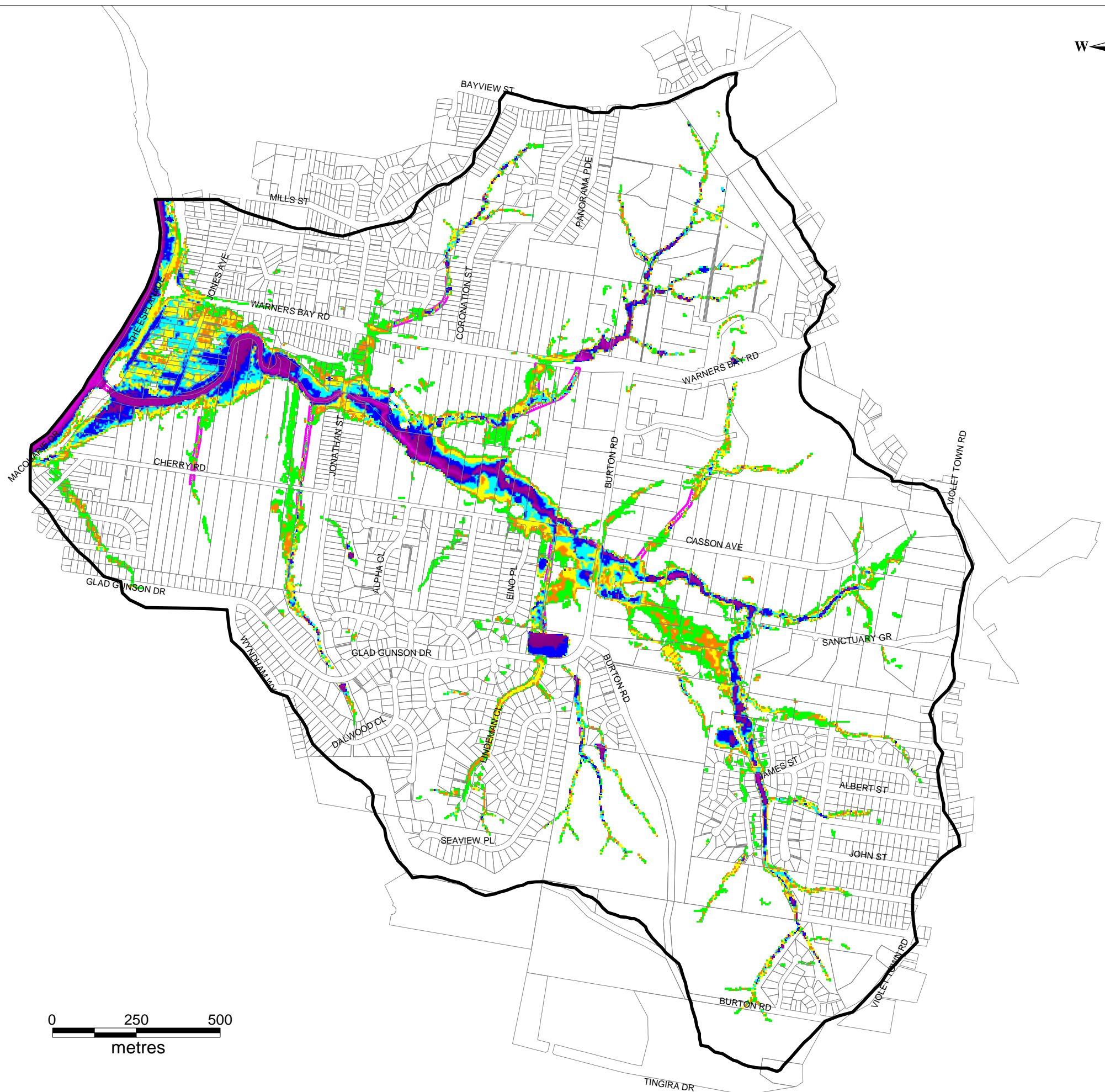
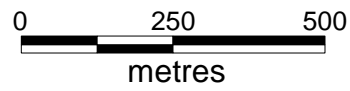


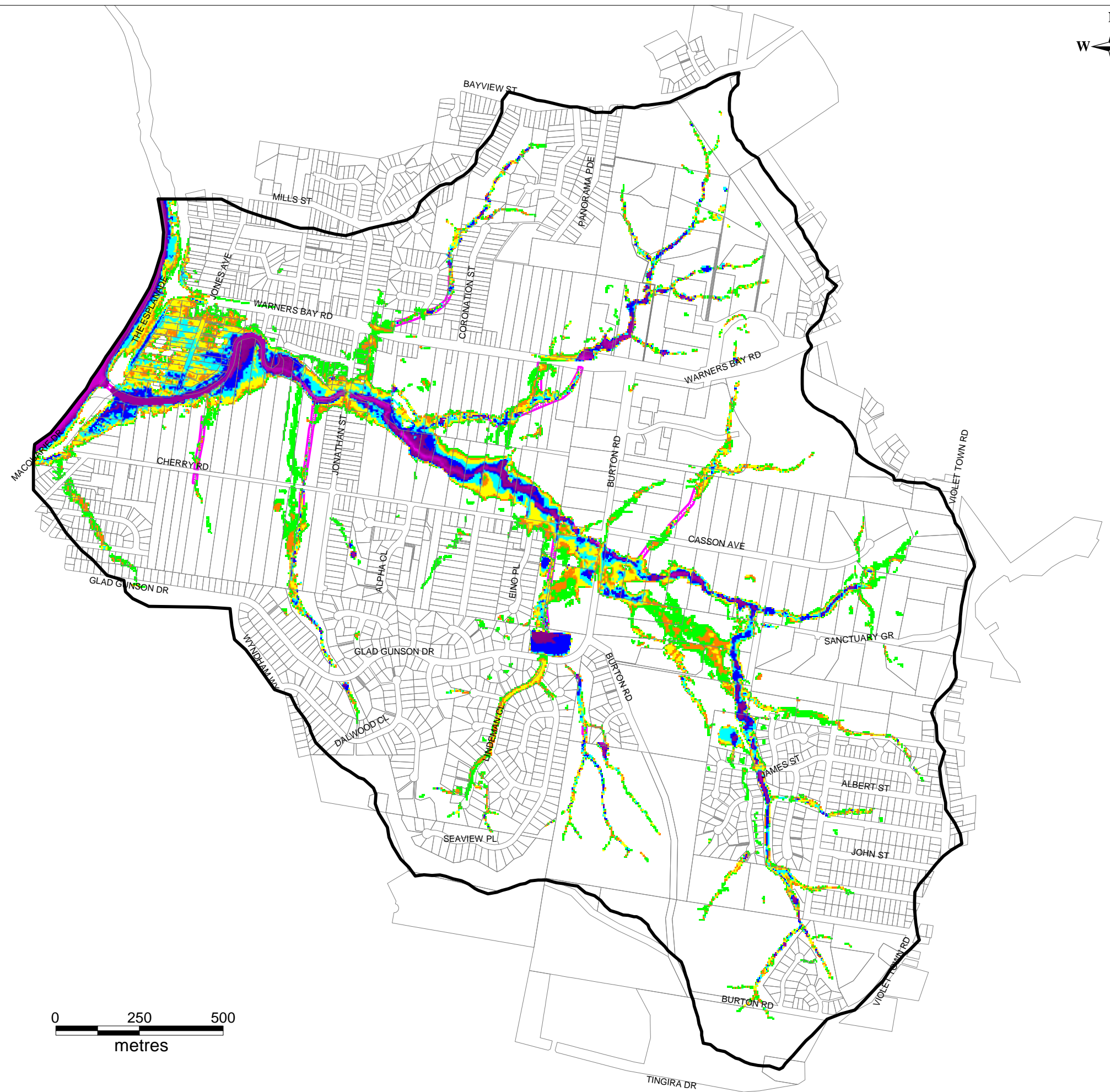
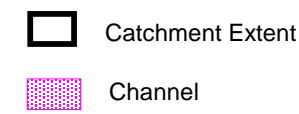
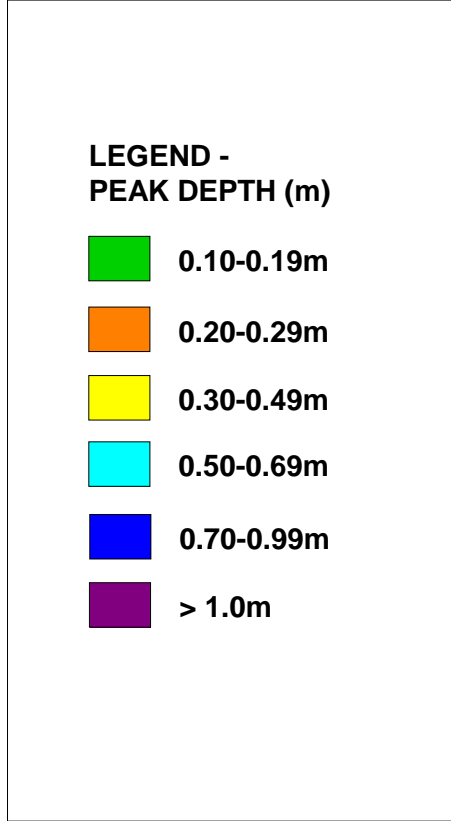
**LEGEND -
PEAK DEPTH (m)**

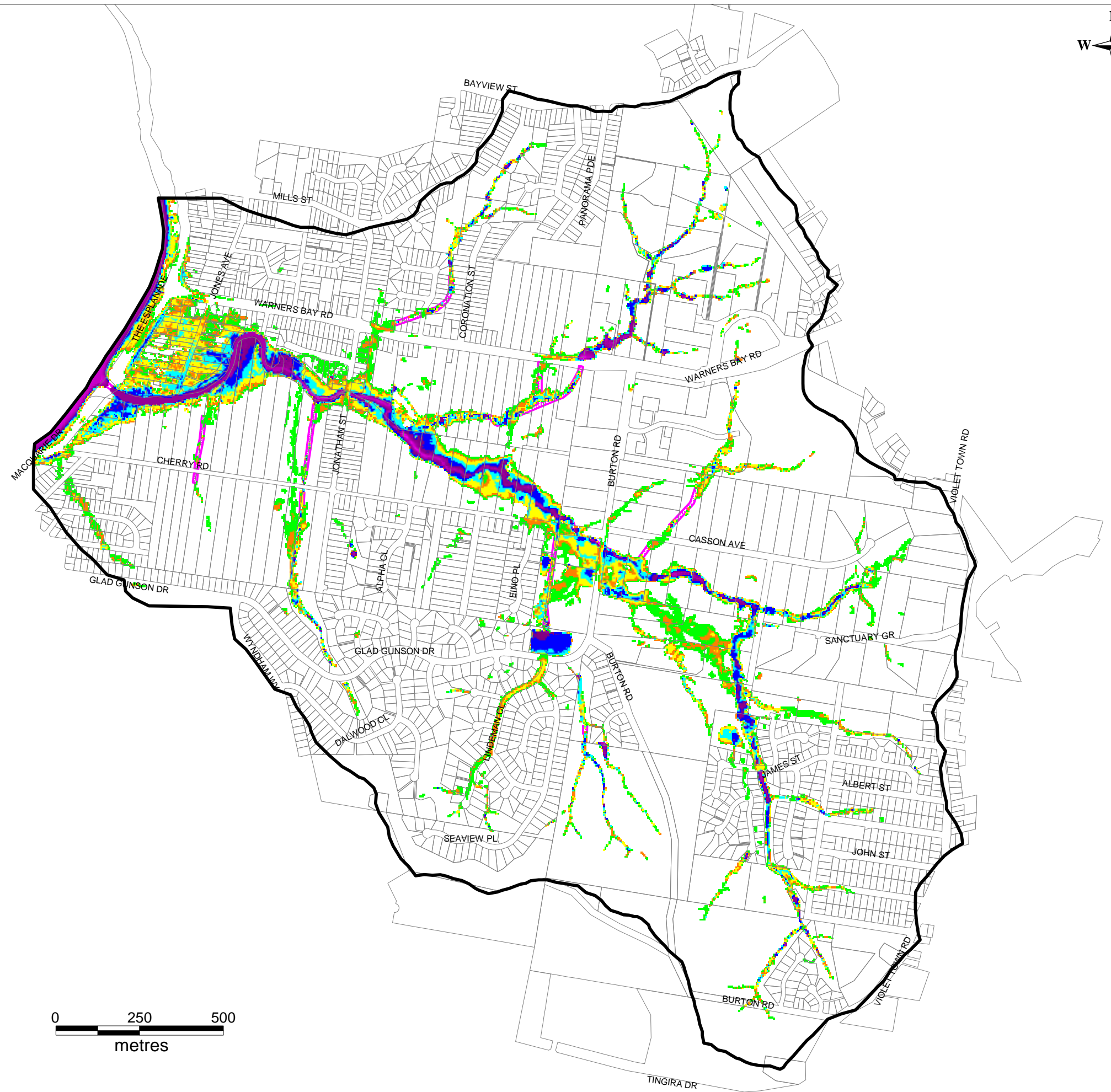
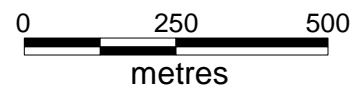
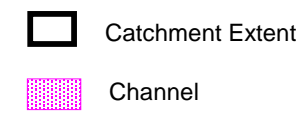
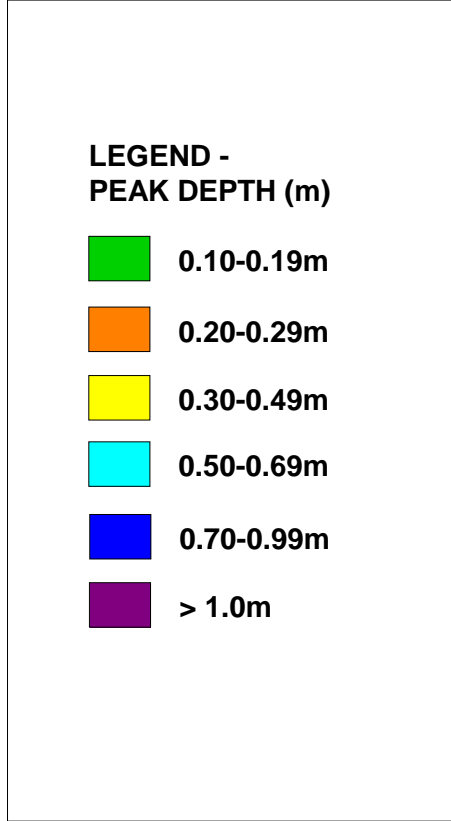
	0.10-0.19m
	0.20-0.29m
	0.30-0.49m
	0.50-0.69m
	0.70-0.99m
	> 1.0m

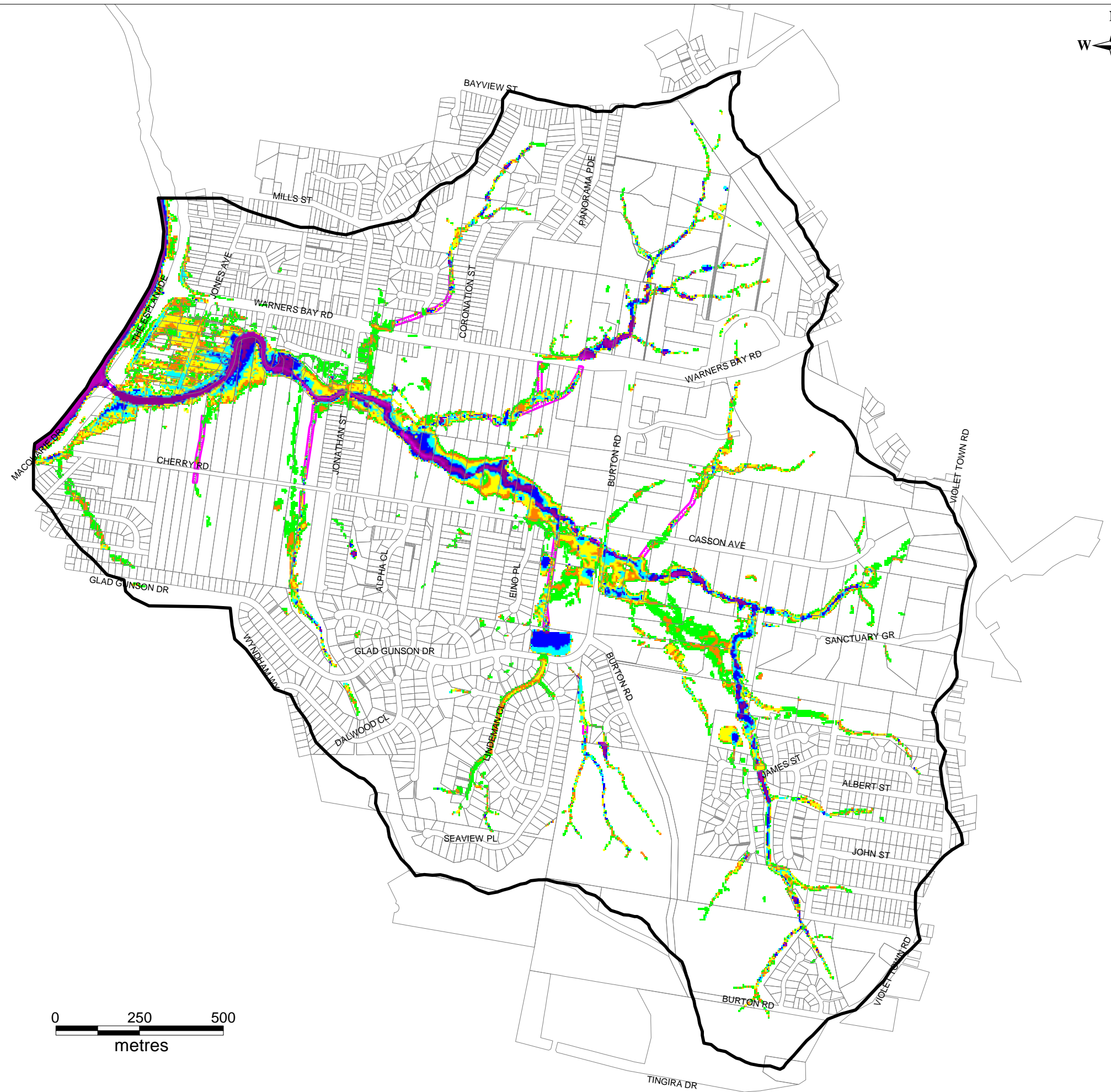
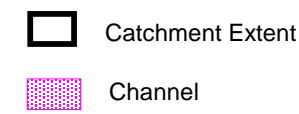
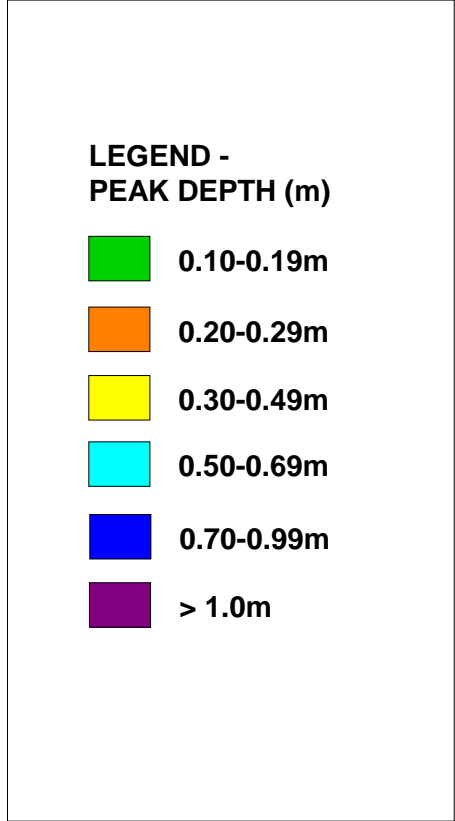
 Catchment Extent

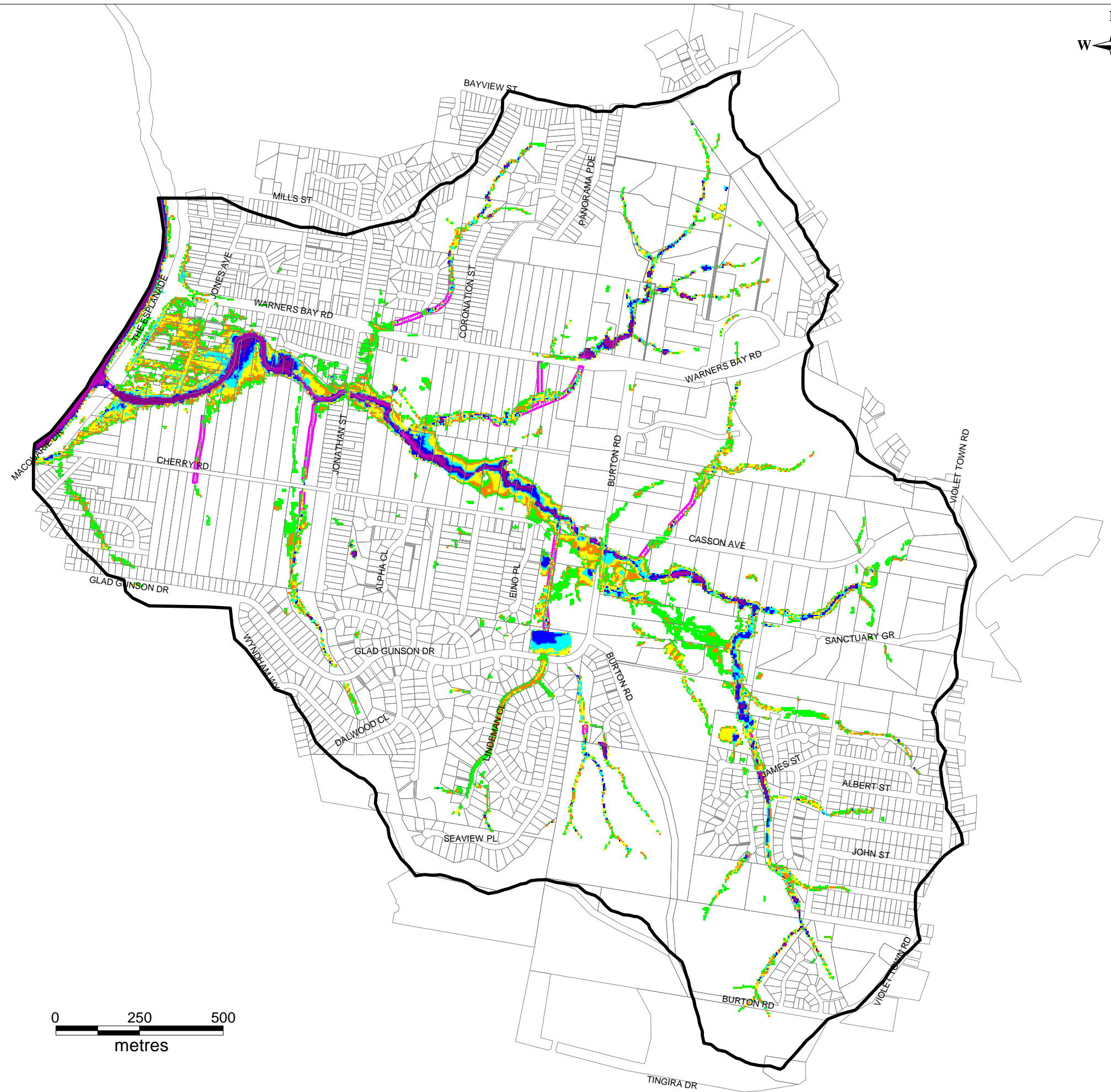
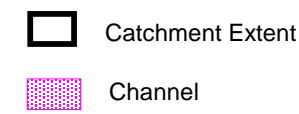
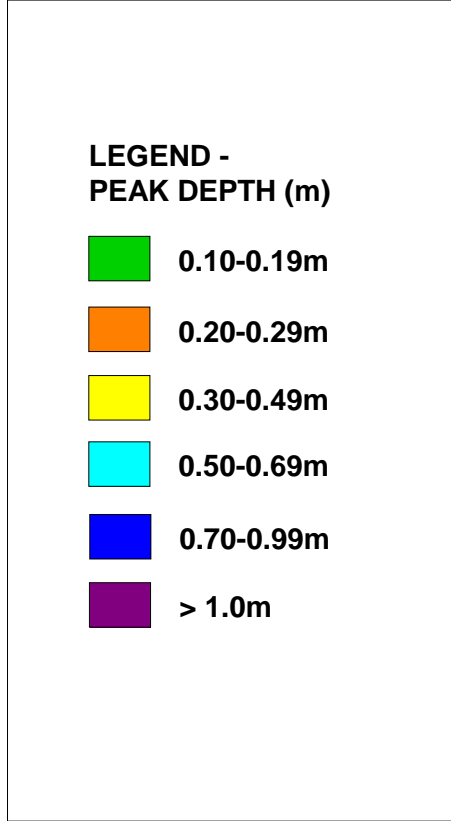
 Channel

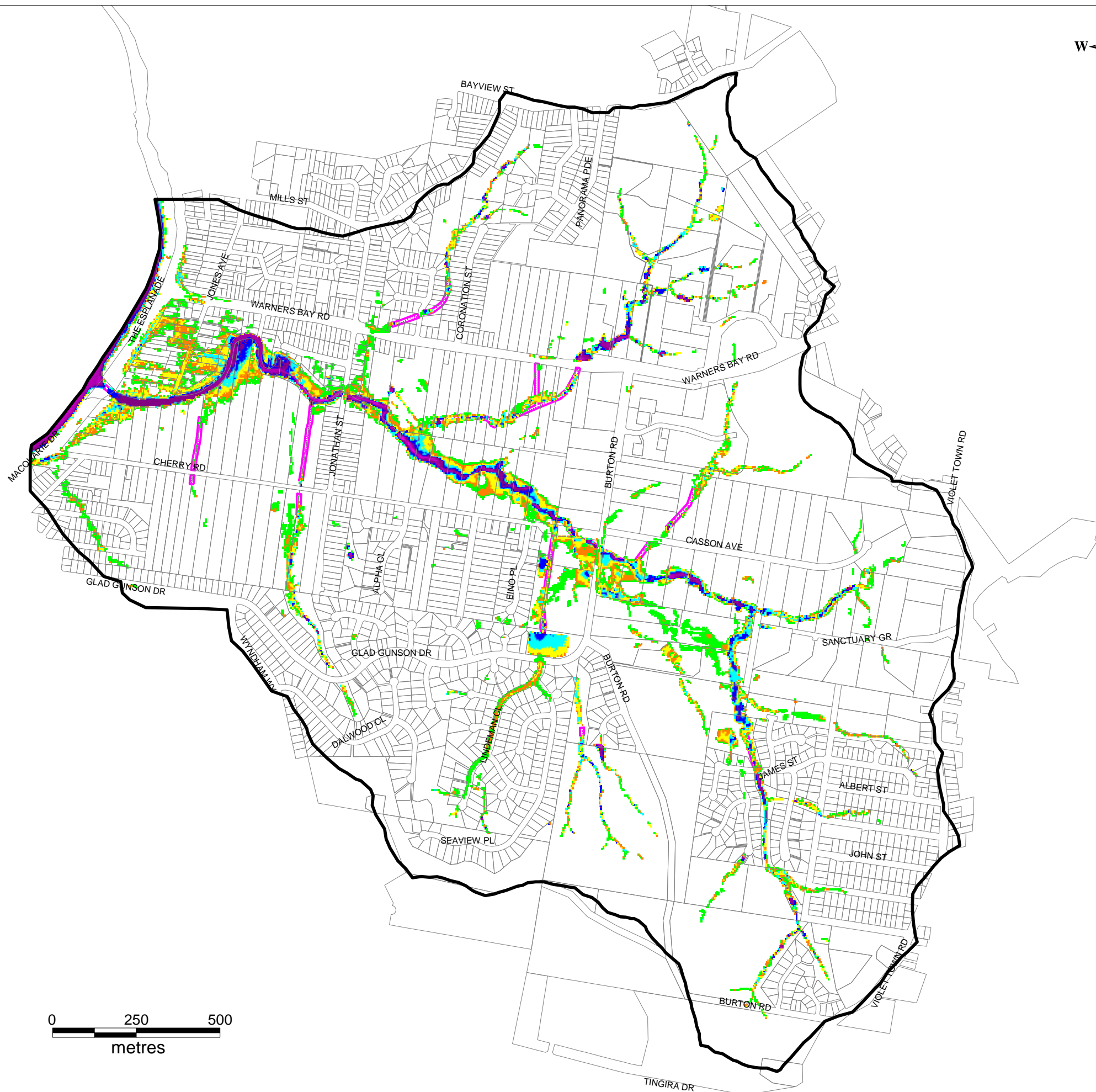








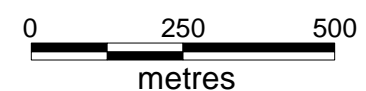


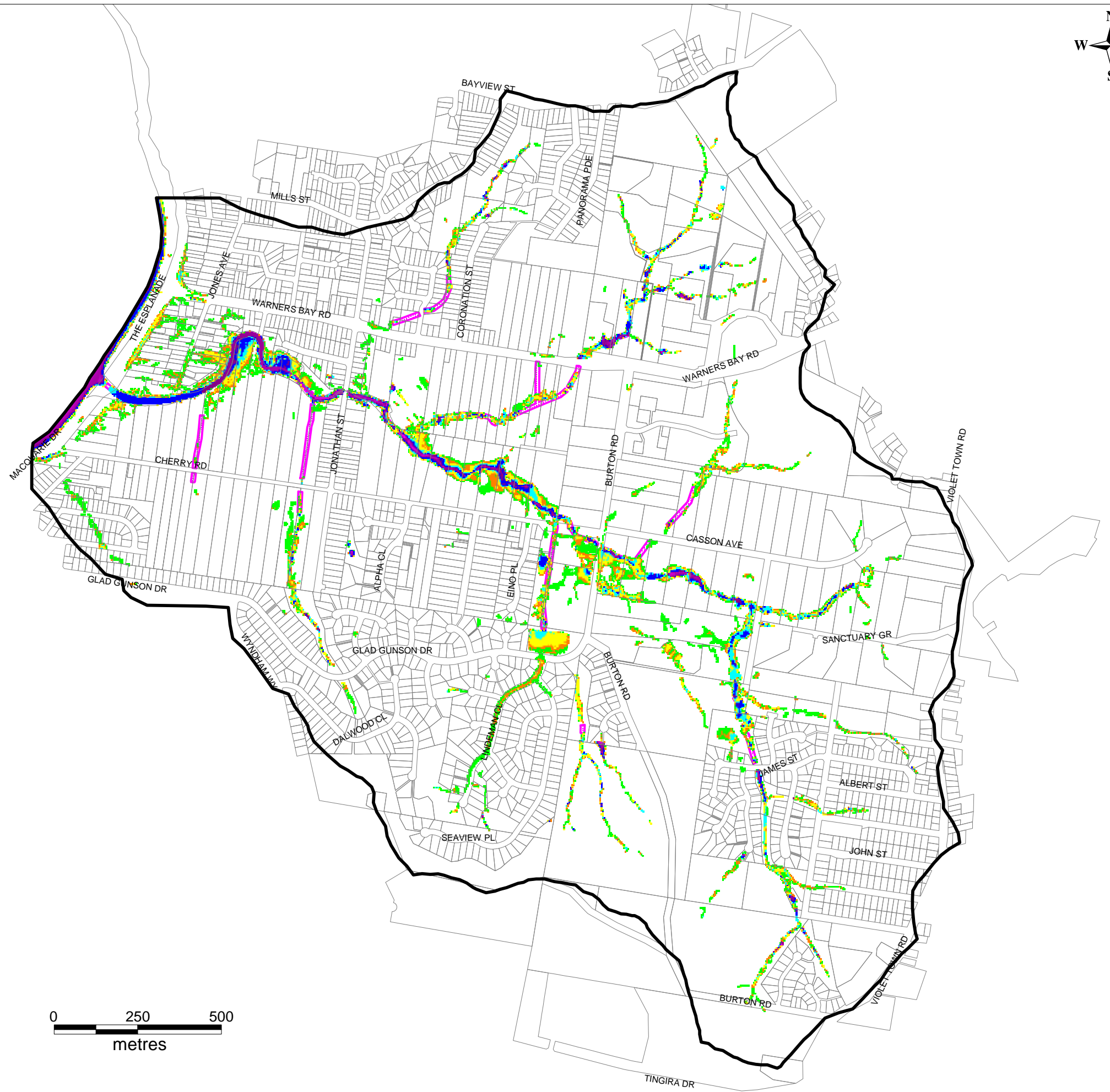
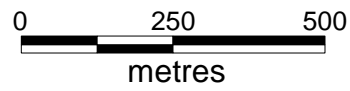
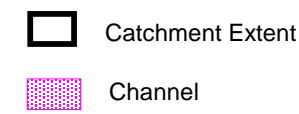
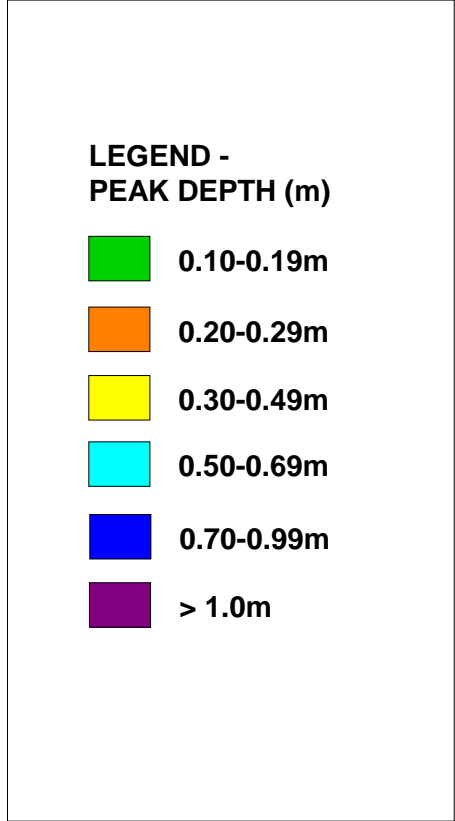


**LEGEND -
PEAK DEPTH (m)**

- 0.10-0.19m
- 0.20-0.29m
- 0.30-0.49m
- 0.50-0.69m
- 0.70-0.99m
- > 1.0m






- Catchment Extent
- Channel





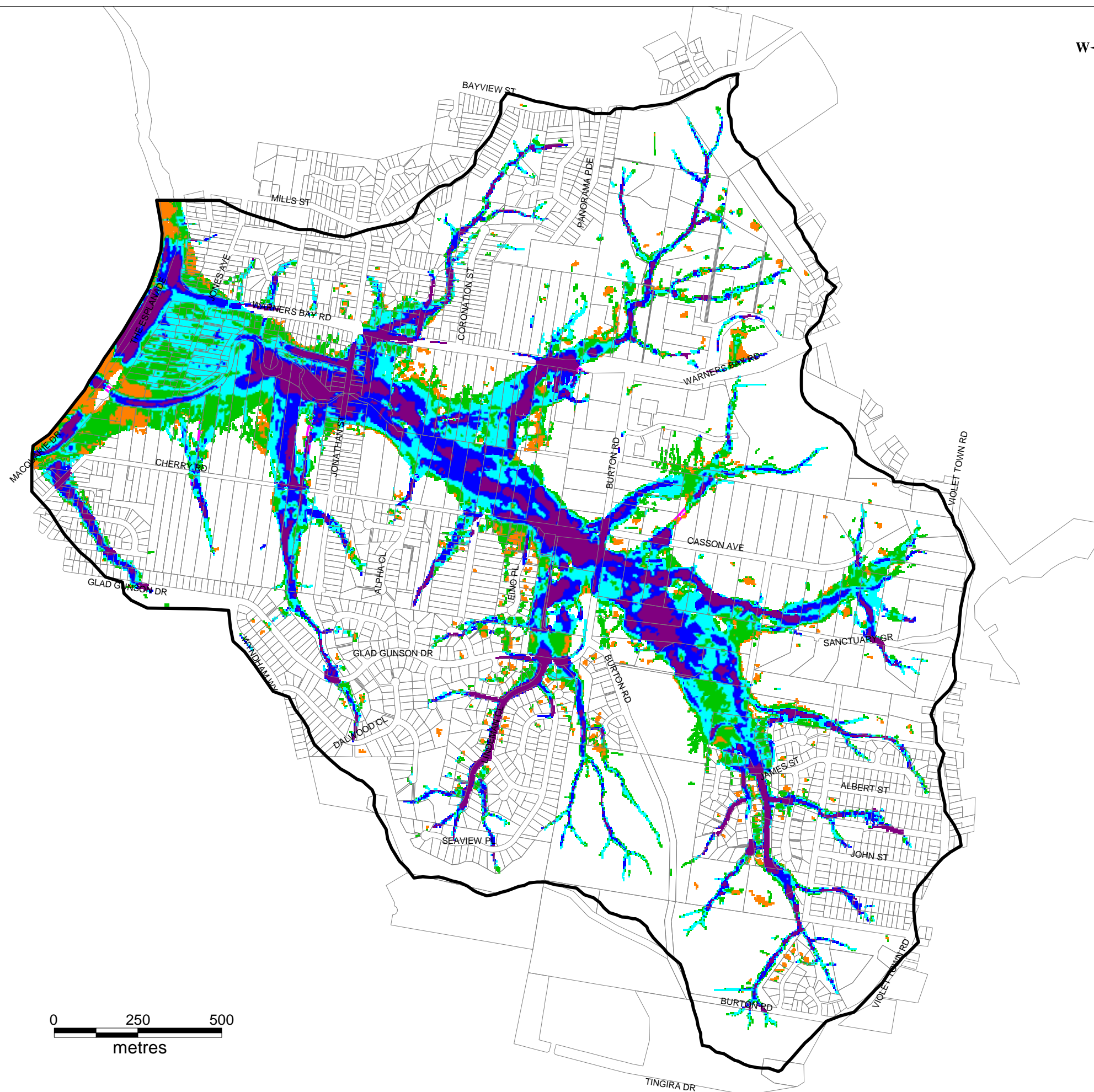
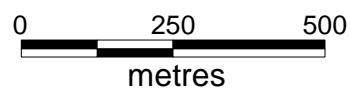


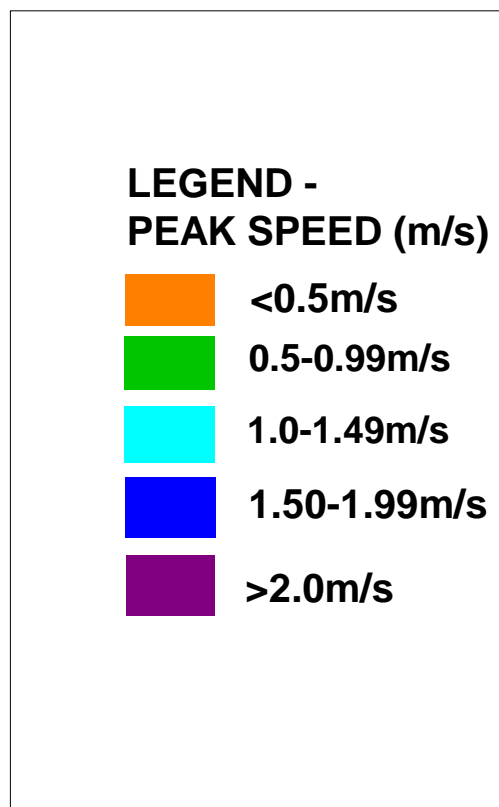




**LEGEND -
PEAK SPEED (m/s)**

	<0.5m/s
	0.5-0.99m/s
	1.0-1.49m/s
	1.50-1.99m/s
	>2.0m/s

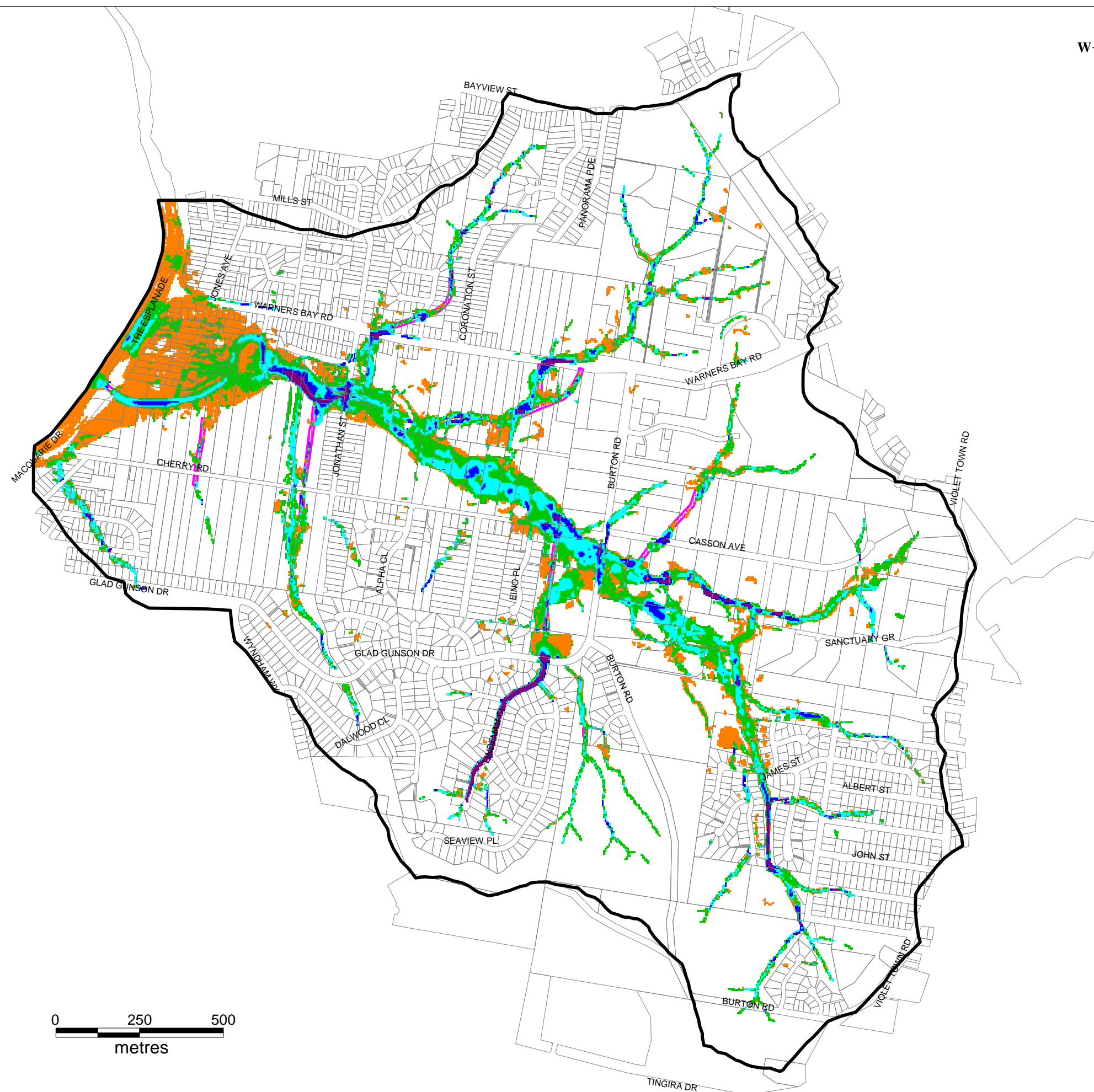
-  Catchment Extent
-  Channel










 Catchment Extent
 Channel



0 250 500
metres

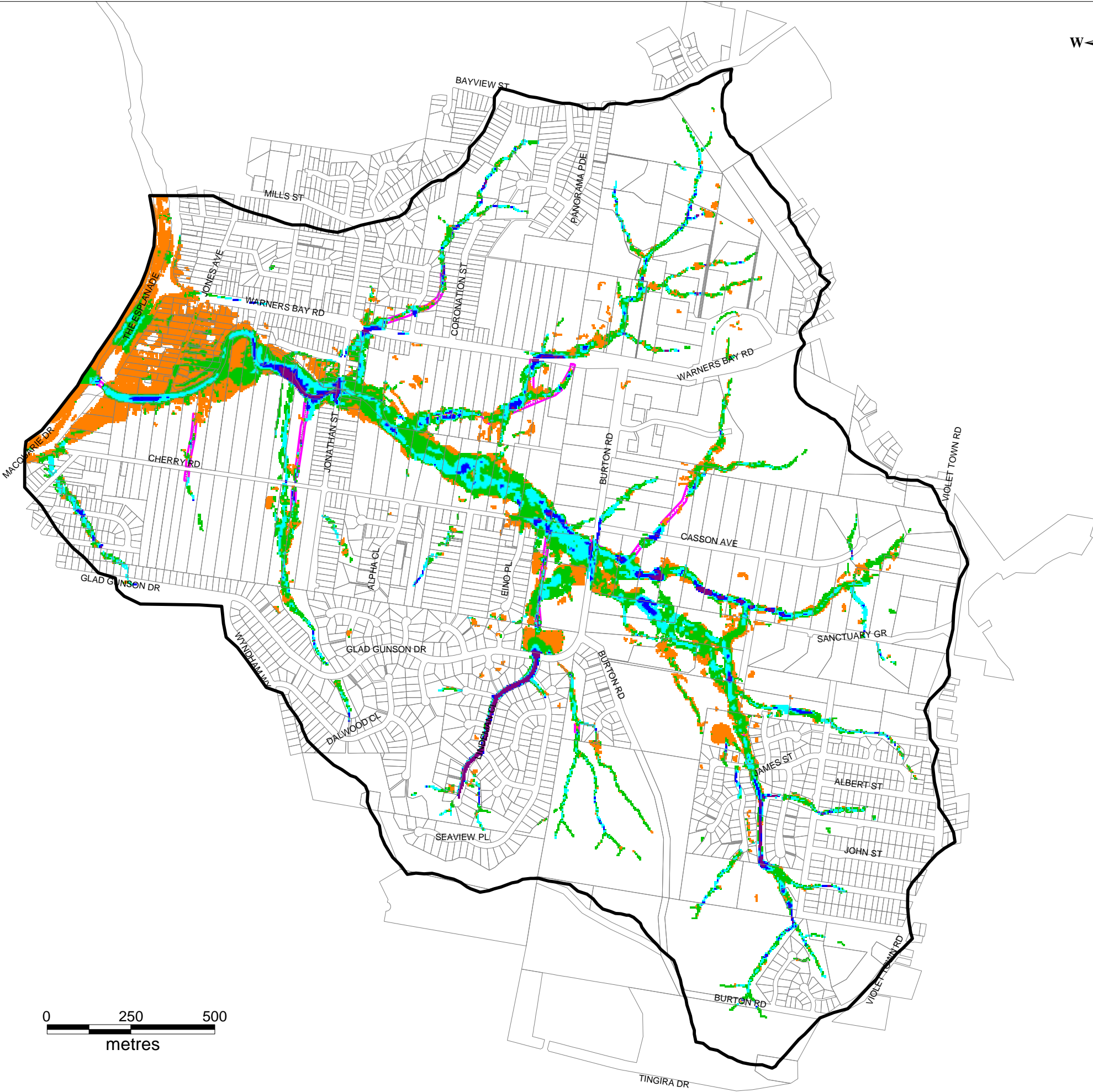
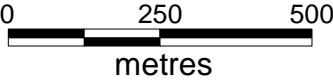




**LEGEND -
PEAK SPEED (m/s)**






	<0.5m/s
	0.5-0.99m/s
	1.0-1.49m/s
	1.50-1.99m/s
	>2.0m/s



-  Catchment Extent
-  Channel

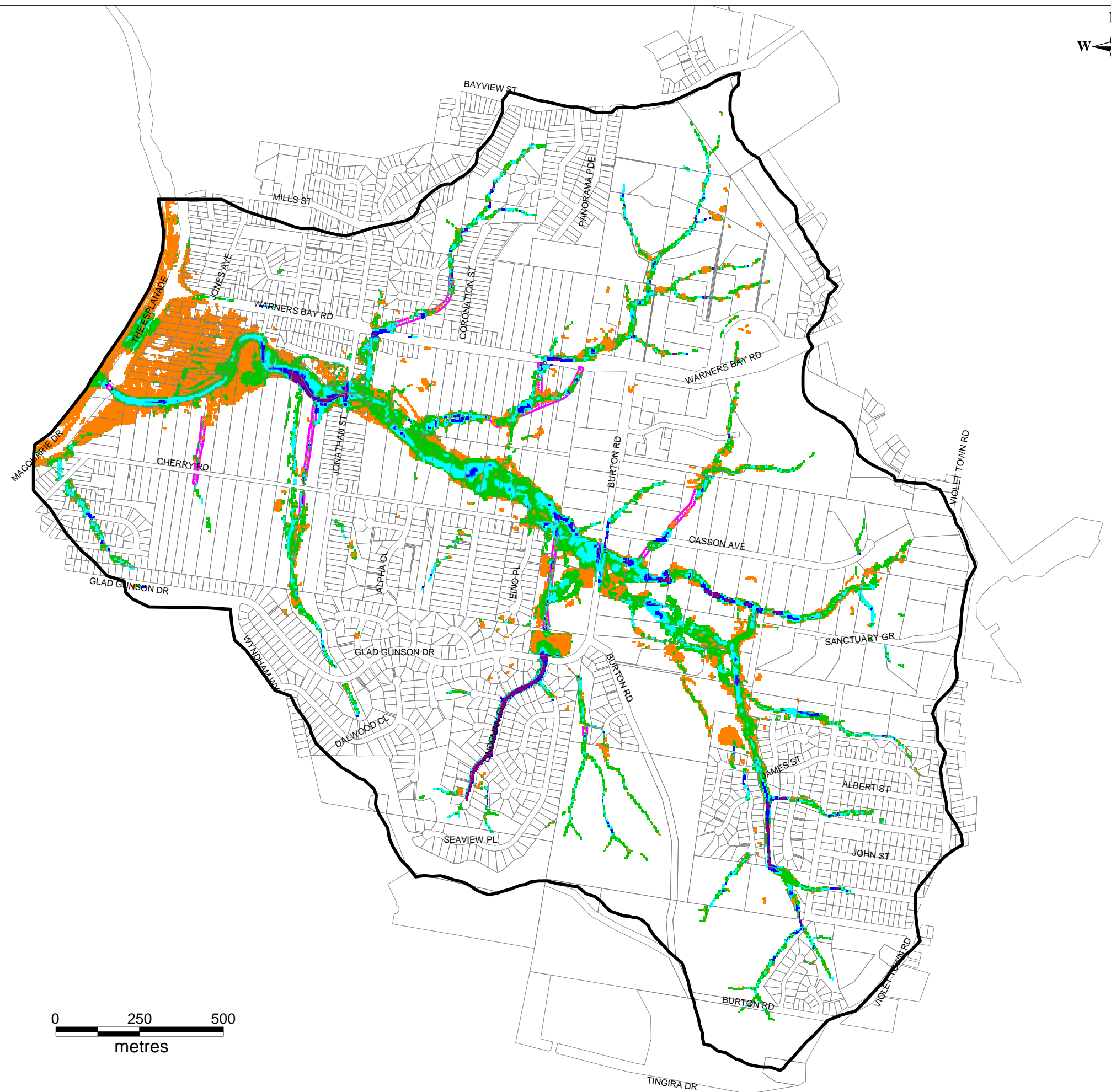




**LEGEND -
PEAK SPEED (m/s)**






	<0.5m/s
	0.5-0.99m/s
	1.0-1.49m/s
	1.50-1.99m/s
	>2.0m/s


-  Catchment Extent
-  Channel




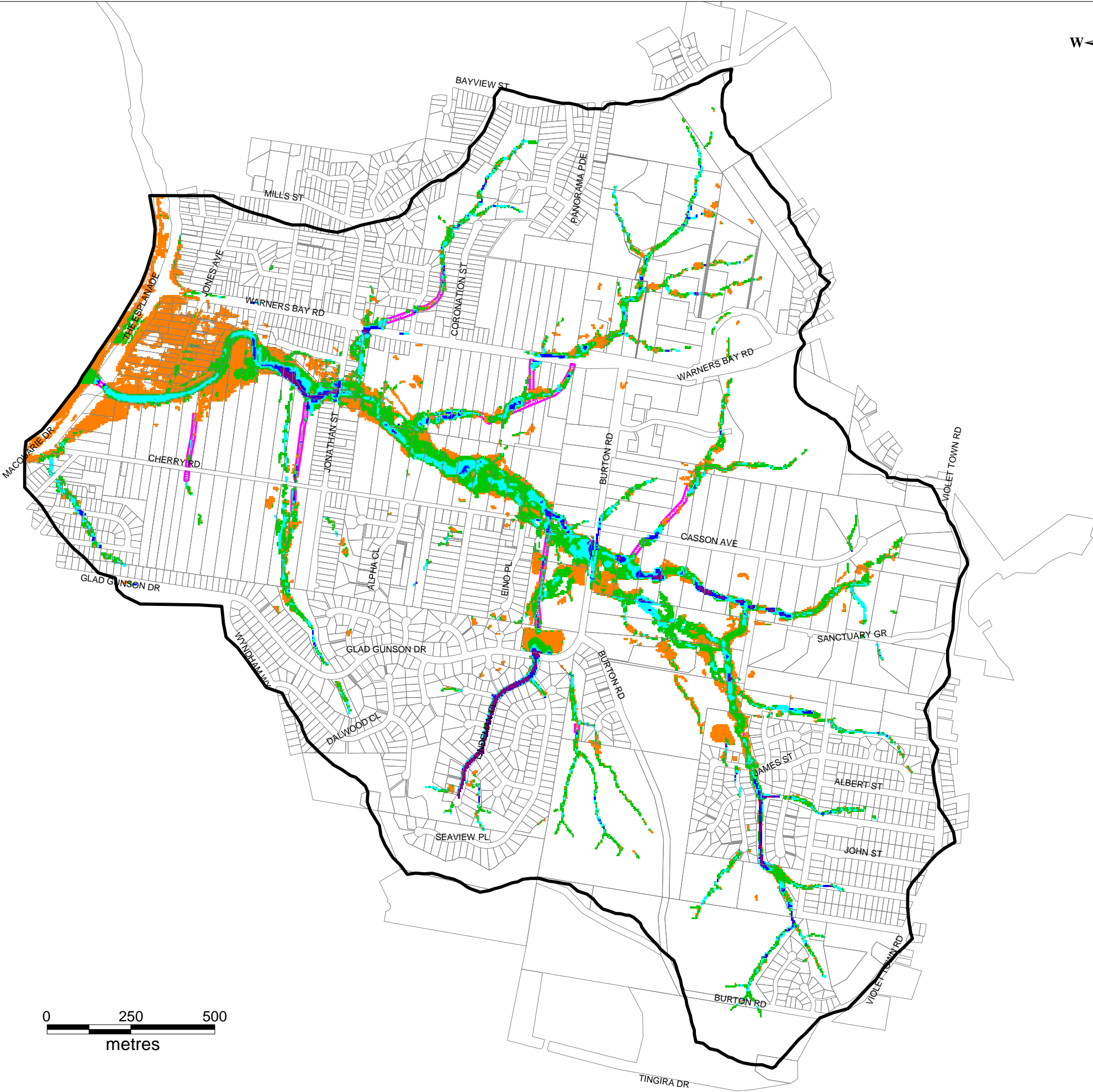
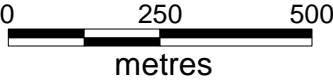


**LEGEND -
PEAK SPEED (m/s)**

	<0.5m/s
	0.5-0.99m/s
	1.0-1.49m/s
	1.50-1.99m/s
	>2.0m/s






 Catchment Extent


 Channel




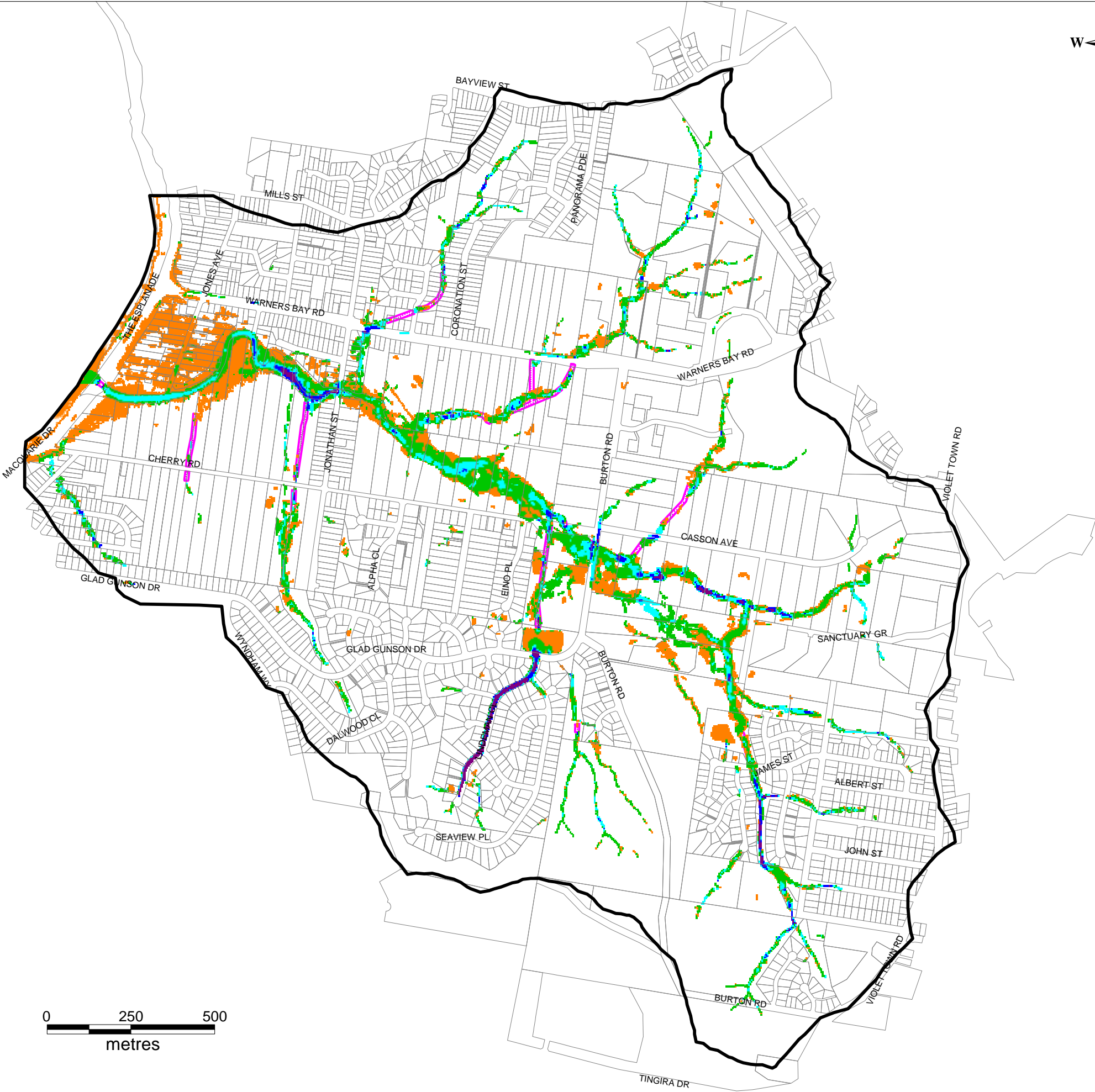


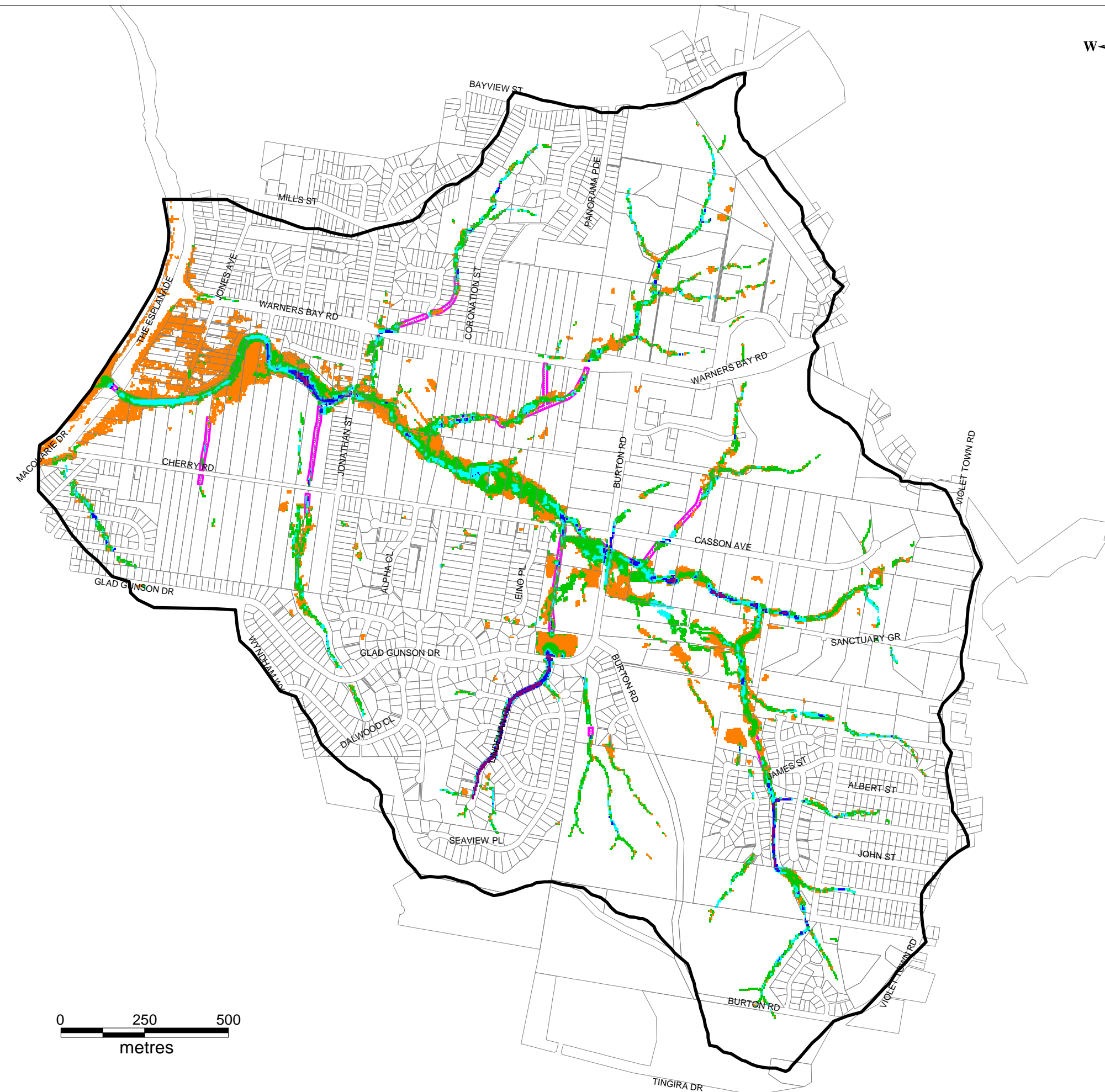
**LEGEND -
PEAK SPEED (m/s)**

	<0.5m/s
	0.5-0.99m/s
	1.0-1.49m/s
	1.50-1.99m/s
	>2.0m/s

 Catchment Extent

 Channel

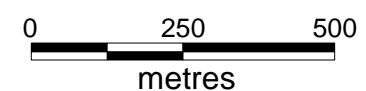




**LEGEND -
PEAK SPEED (m/s)**






- <0.5m/s
- 0.5-0.99m/s
- 1.0-1.49m/s
- 1.50-1.99m/s
- >2.0m/s


- Catchment Extent
- Channel




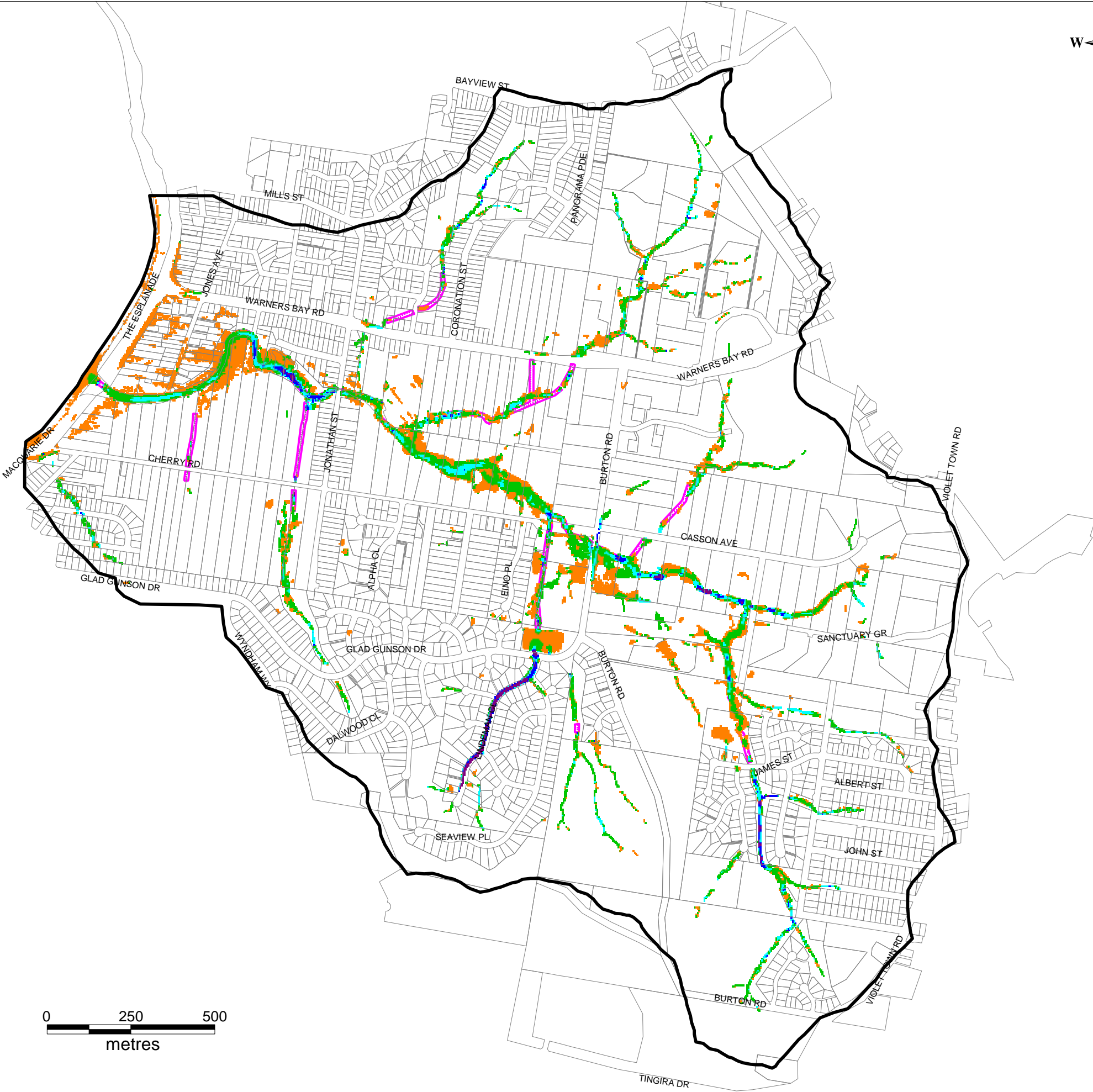
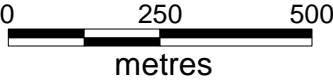


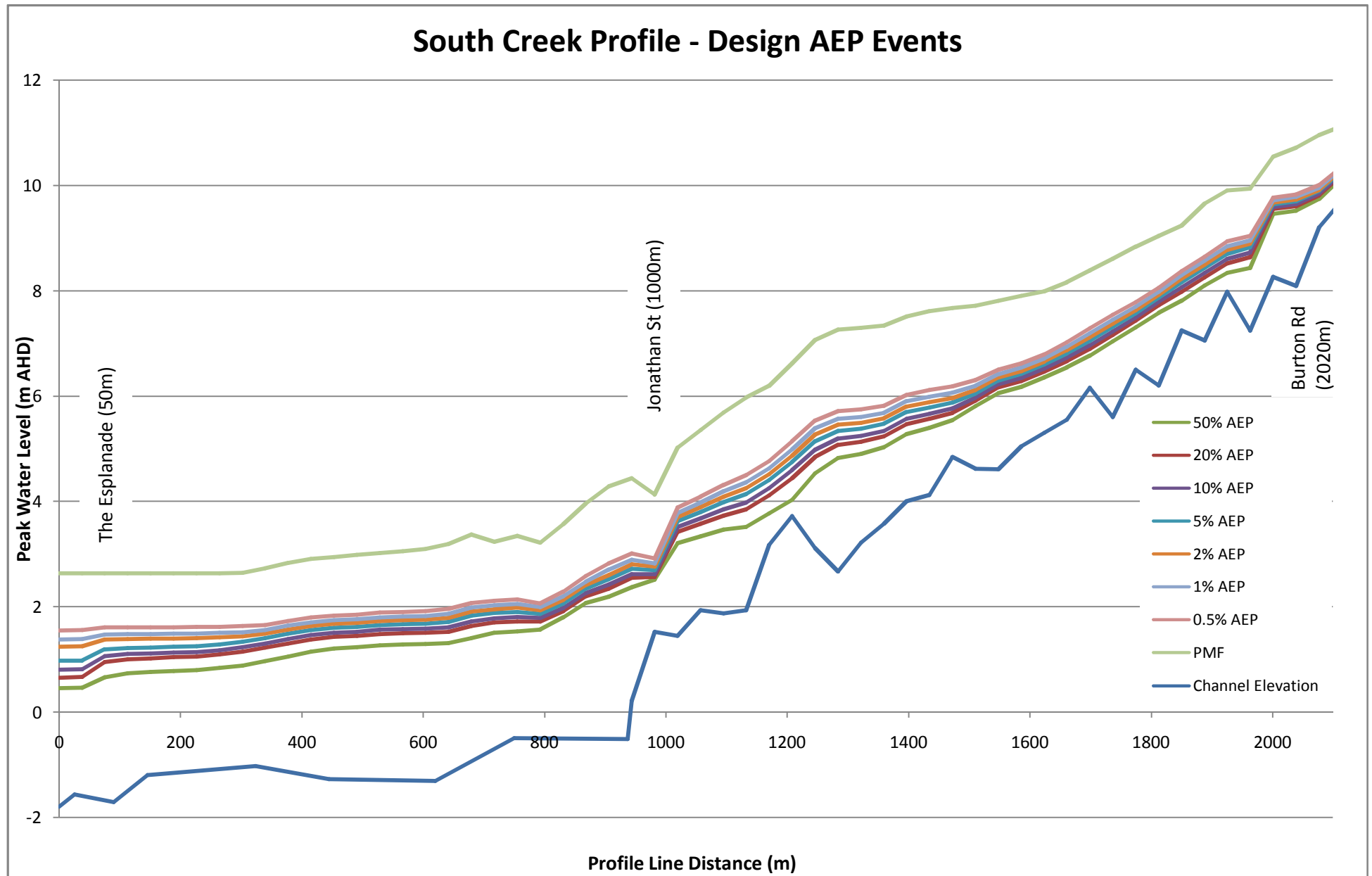
**LEGEND -
PEAK SPEED (m/s)**

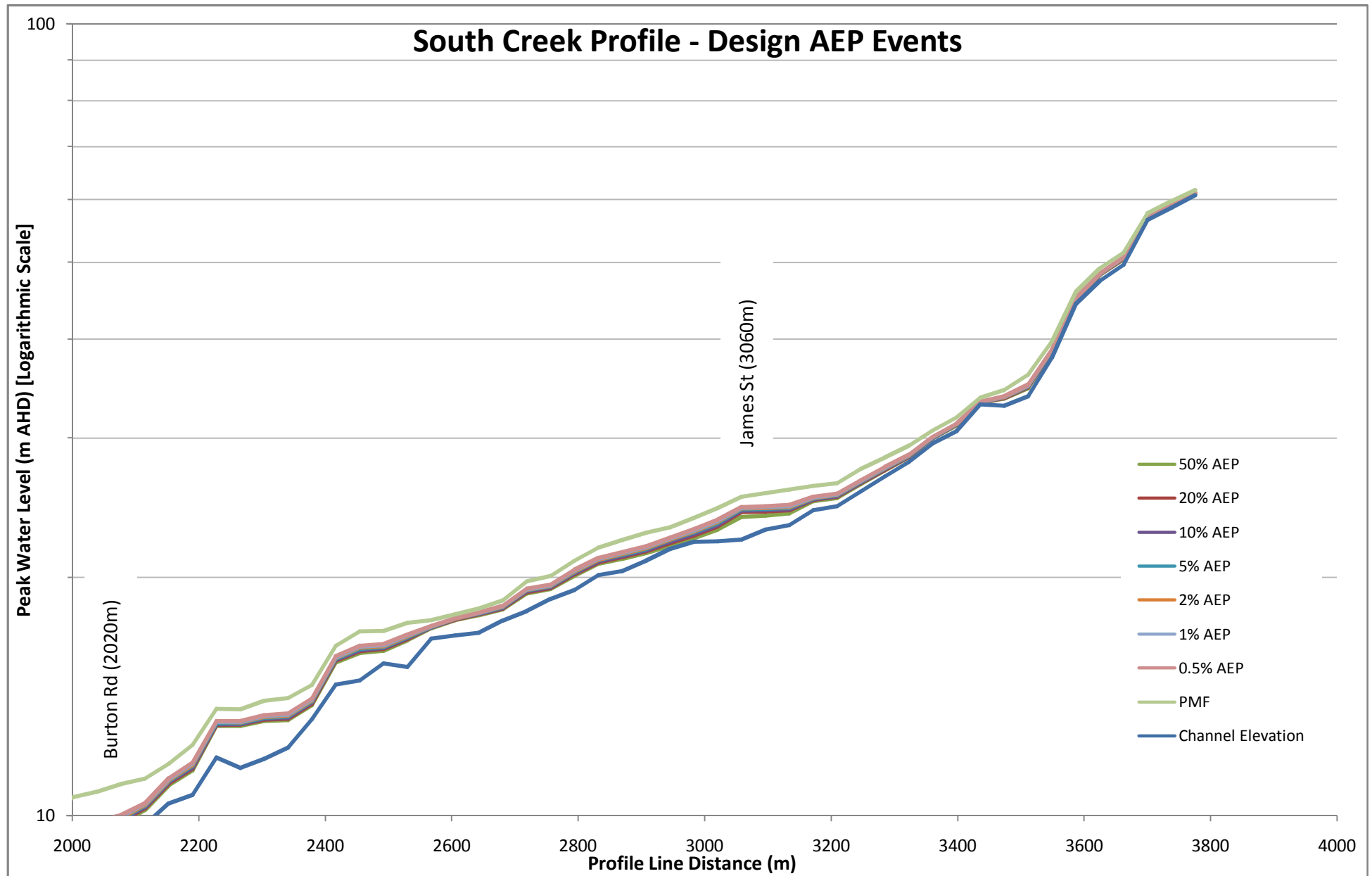
	<0.5m/s
	0.5-0.99m/s
	1.0-1.49m/s
	1.50-1.99m/s
	>2.0m/s

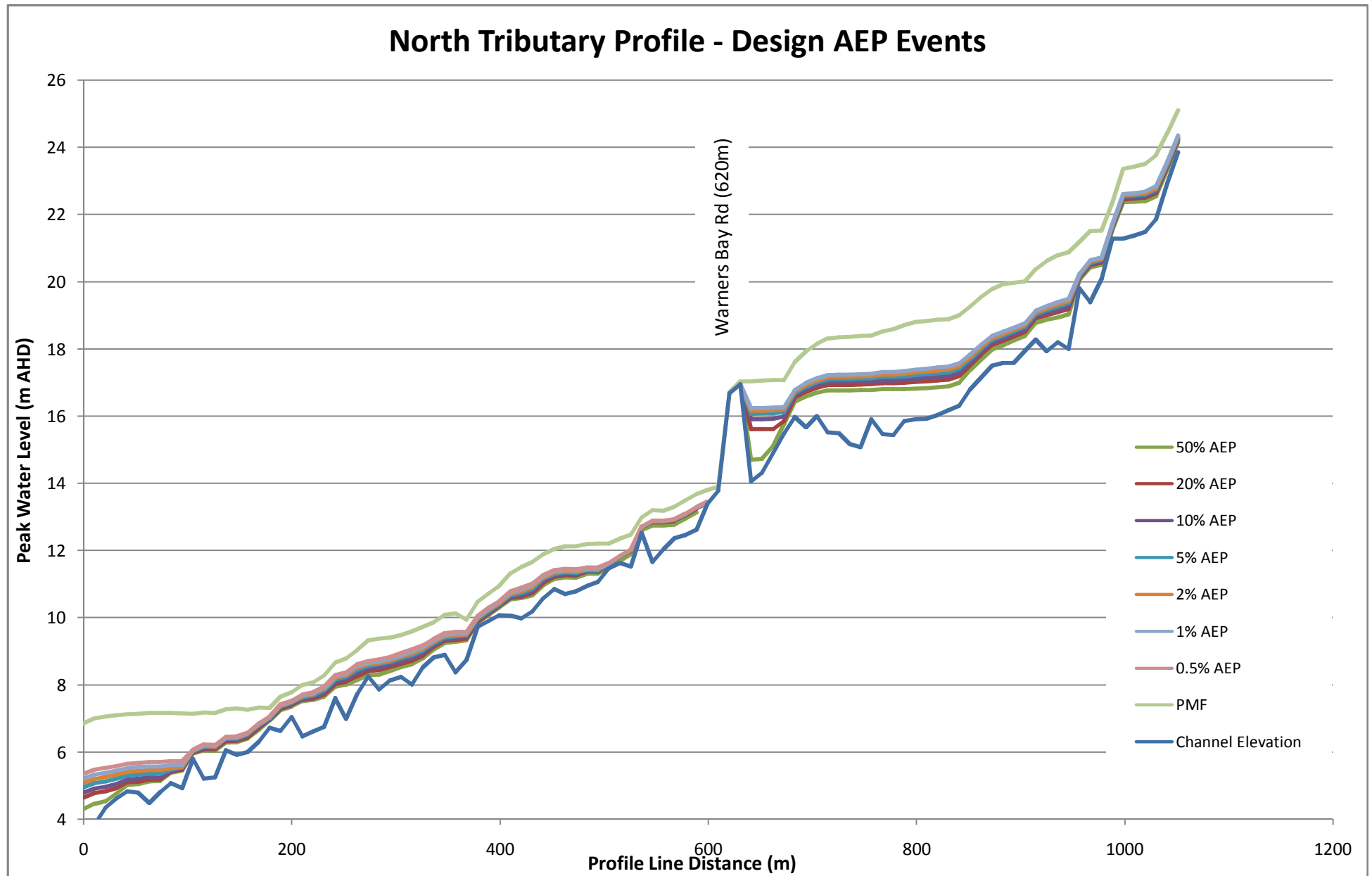
 Catchment Extent

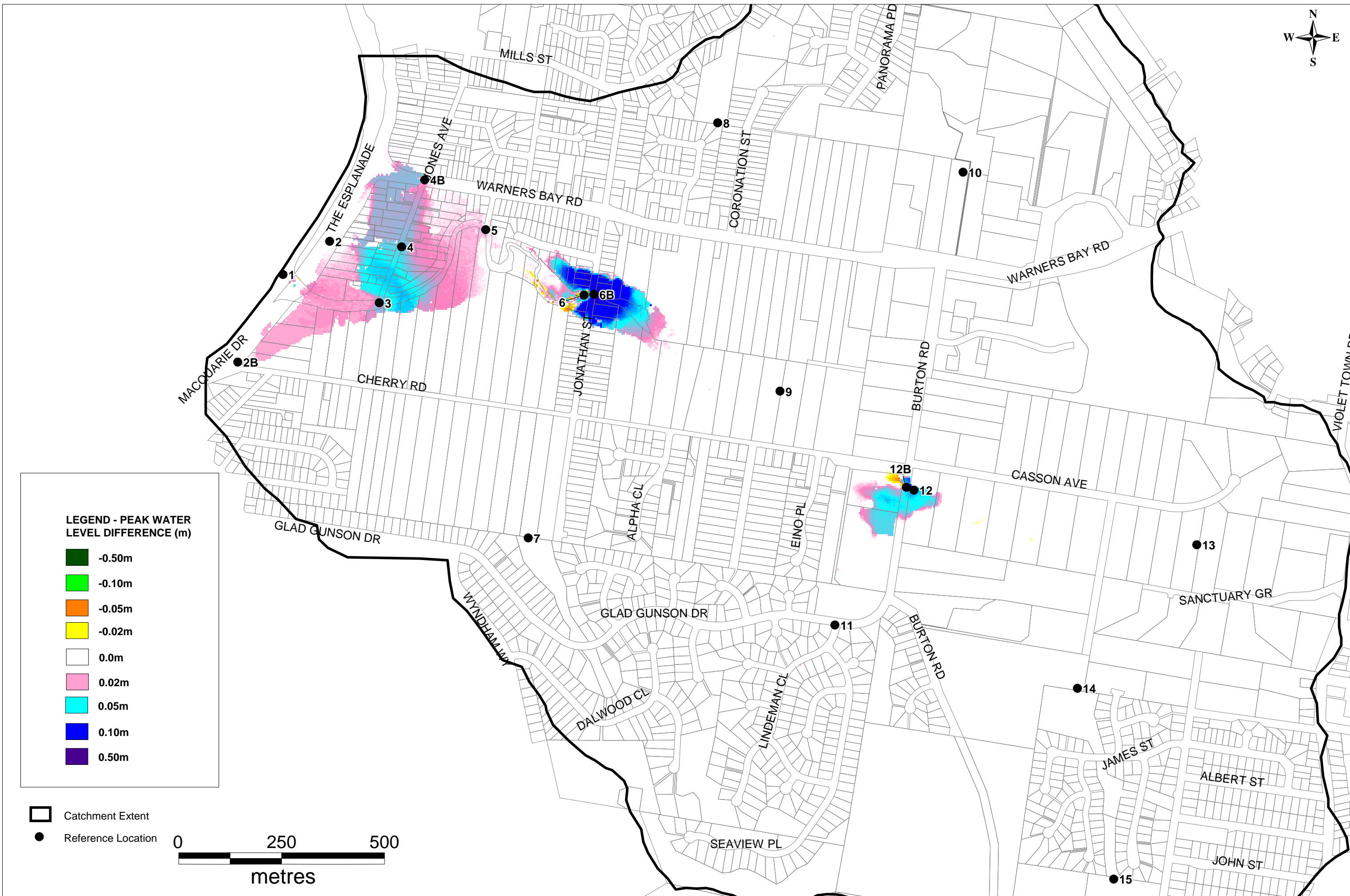
 Channel



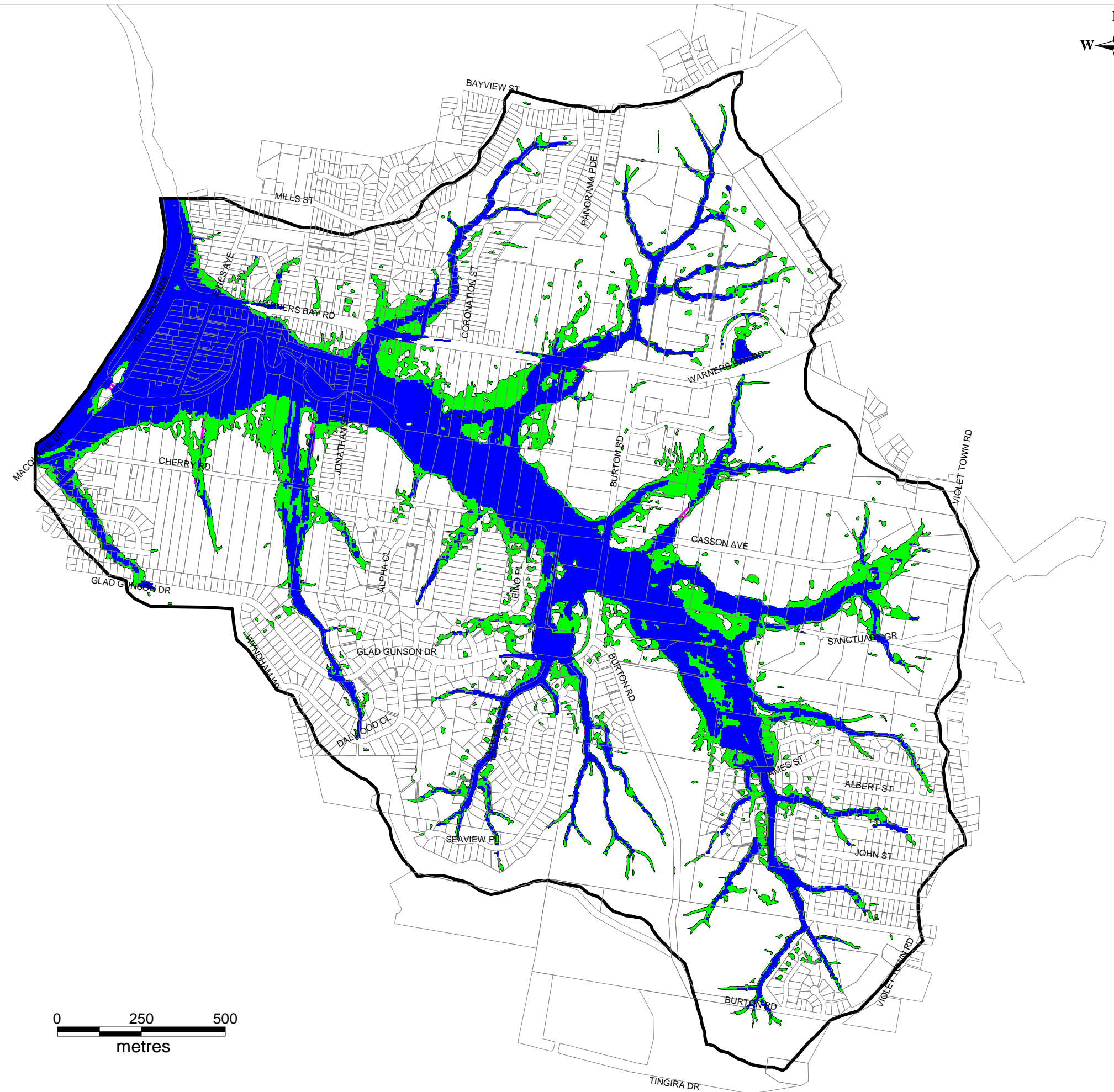






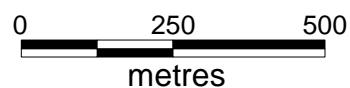
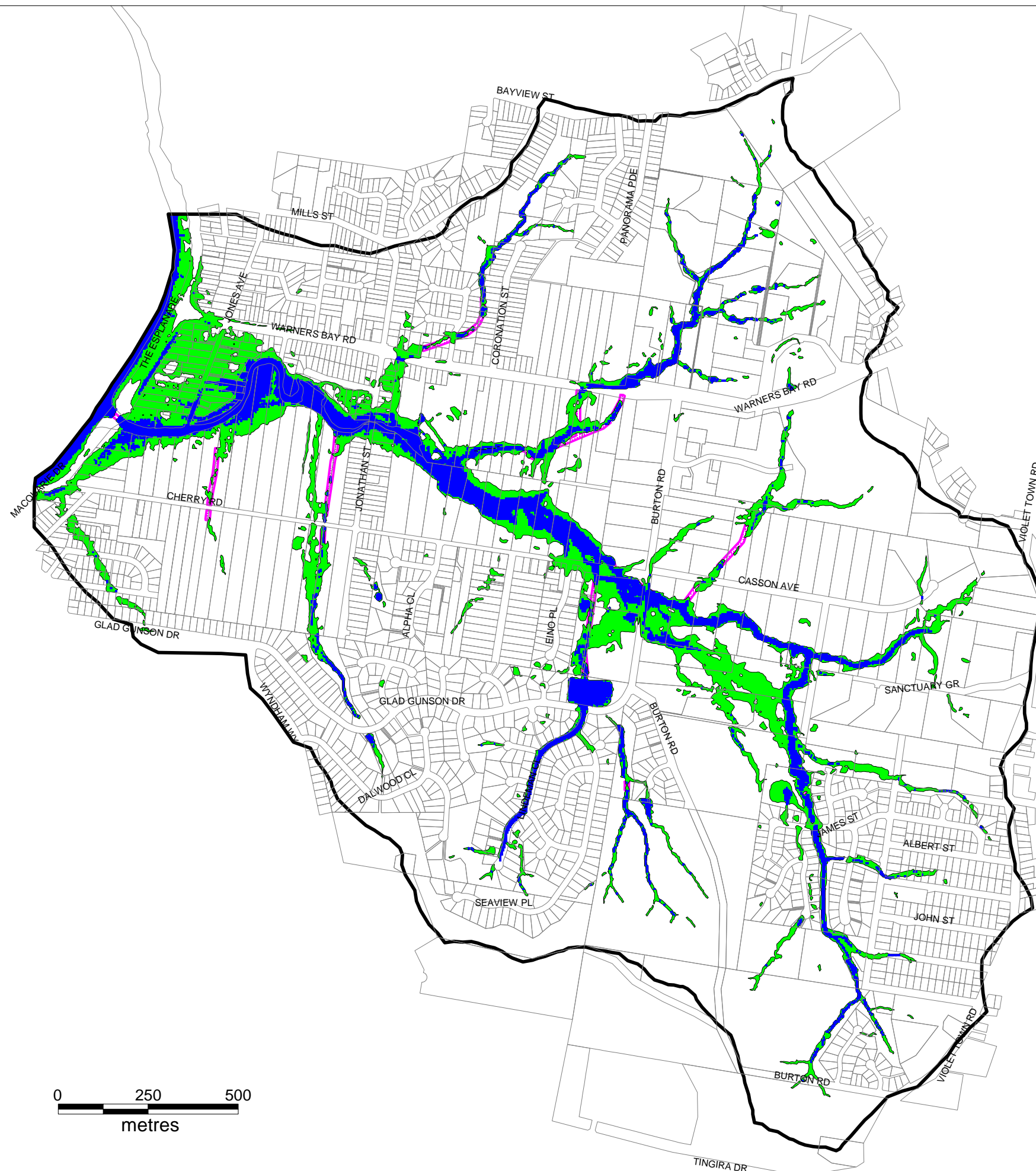








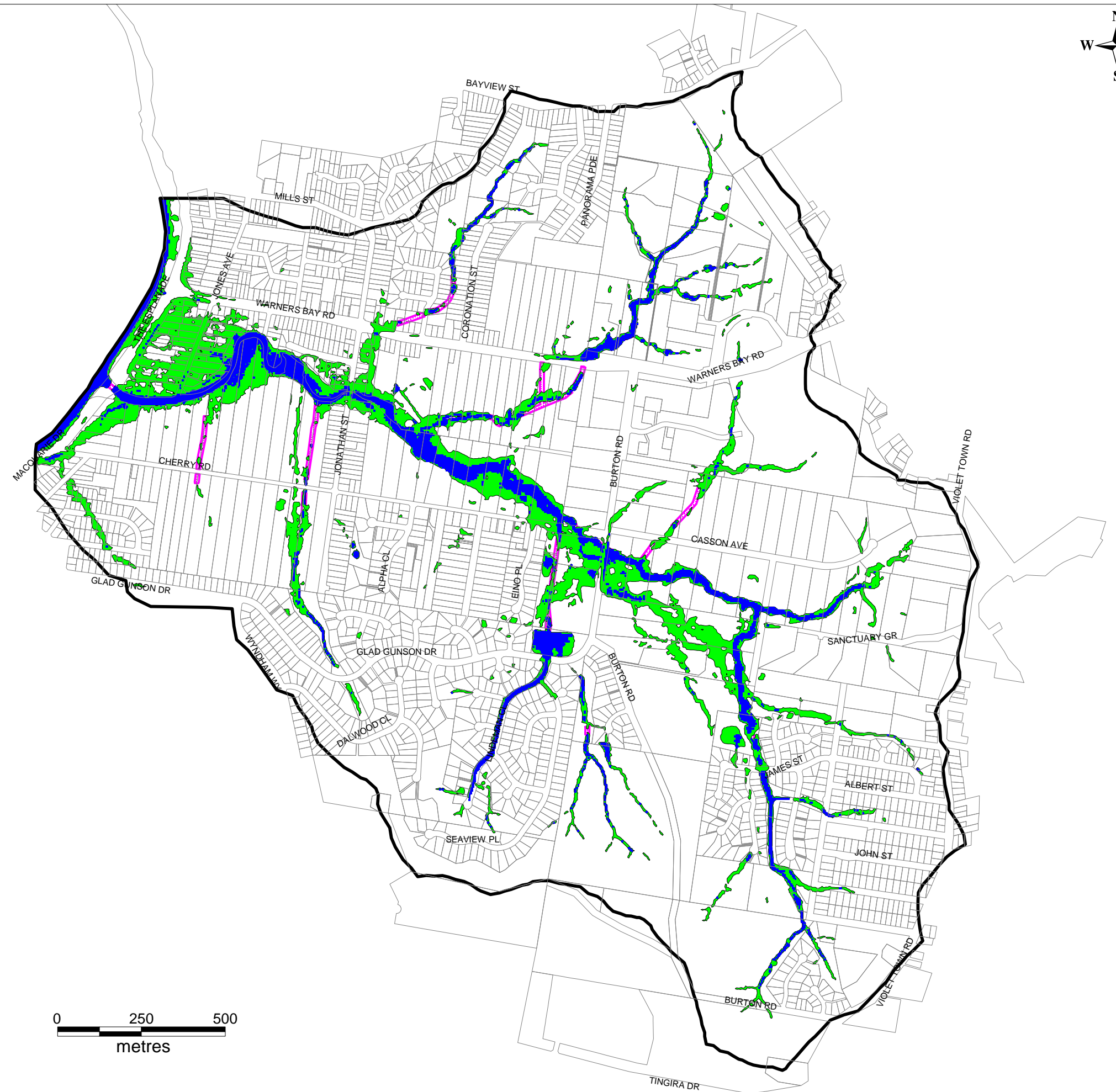


0 250 500
metres

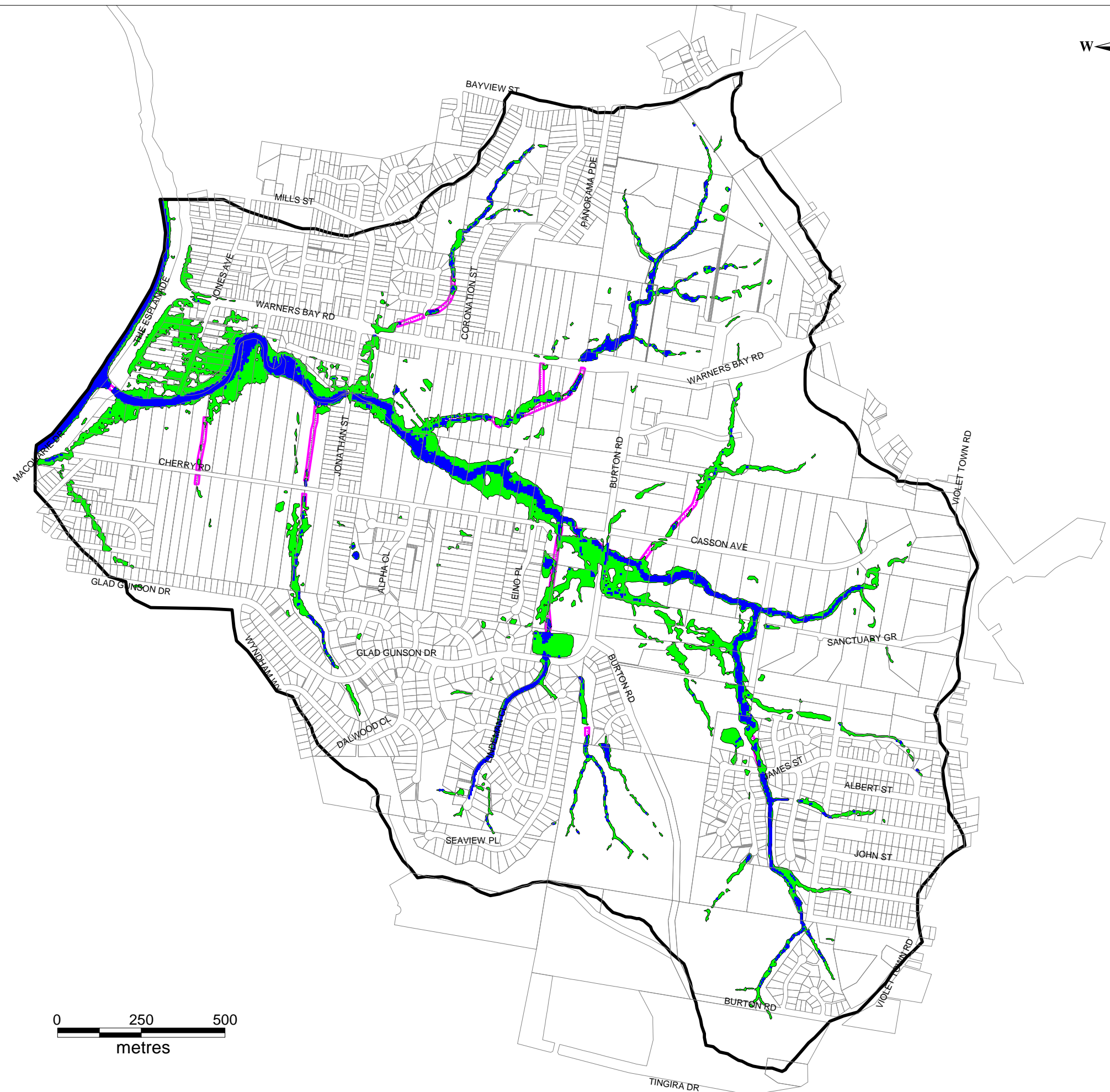
- High Hazard
- Low Hazard
- Catchment Extent
- Channel







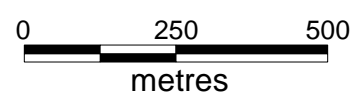
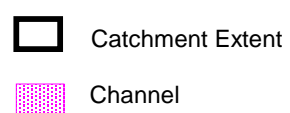
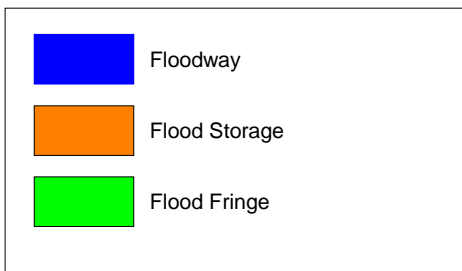
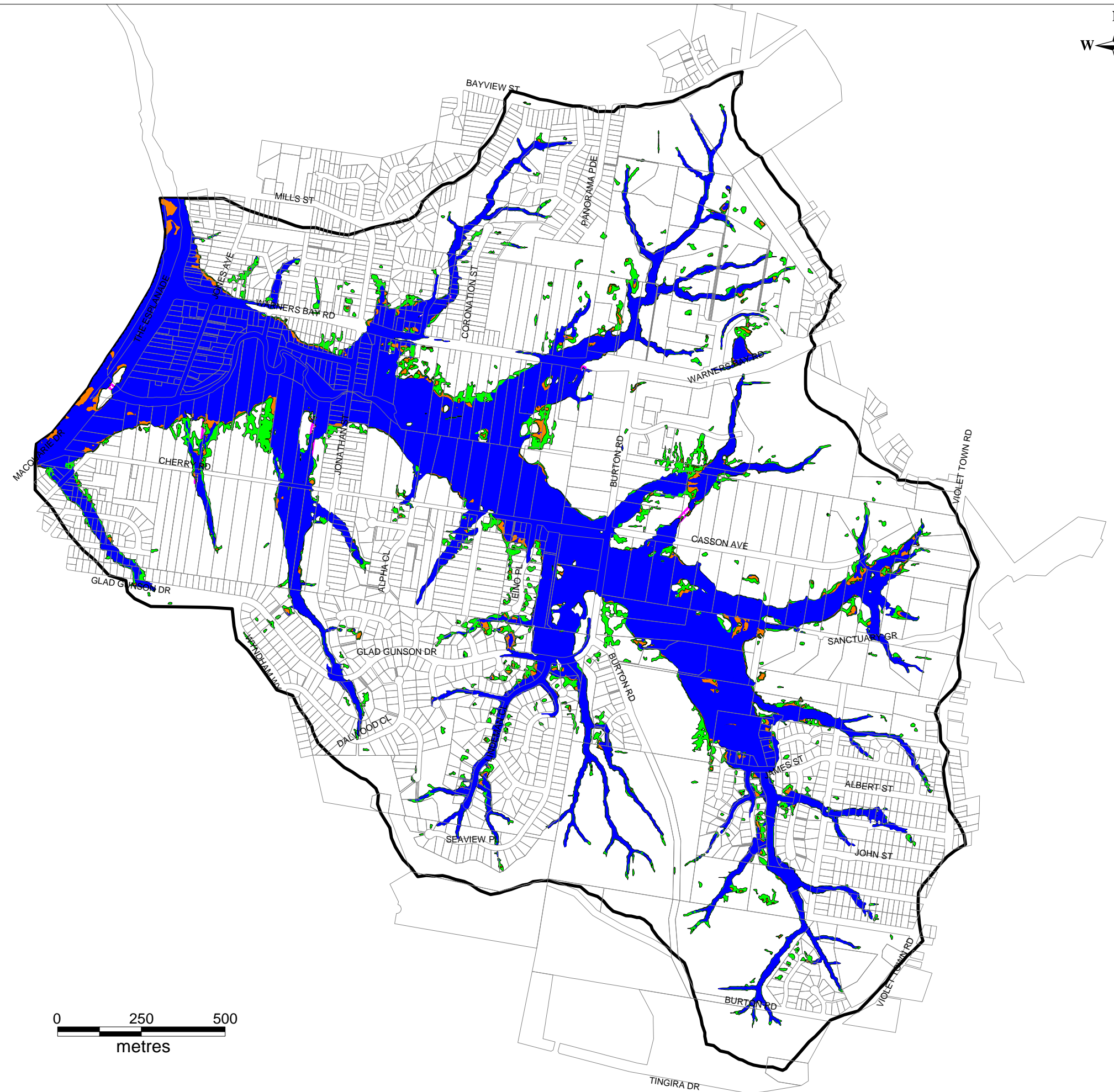
-  High Hazard
-  Low Hazard
-  Catchment Extent
-  Channel

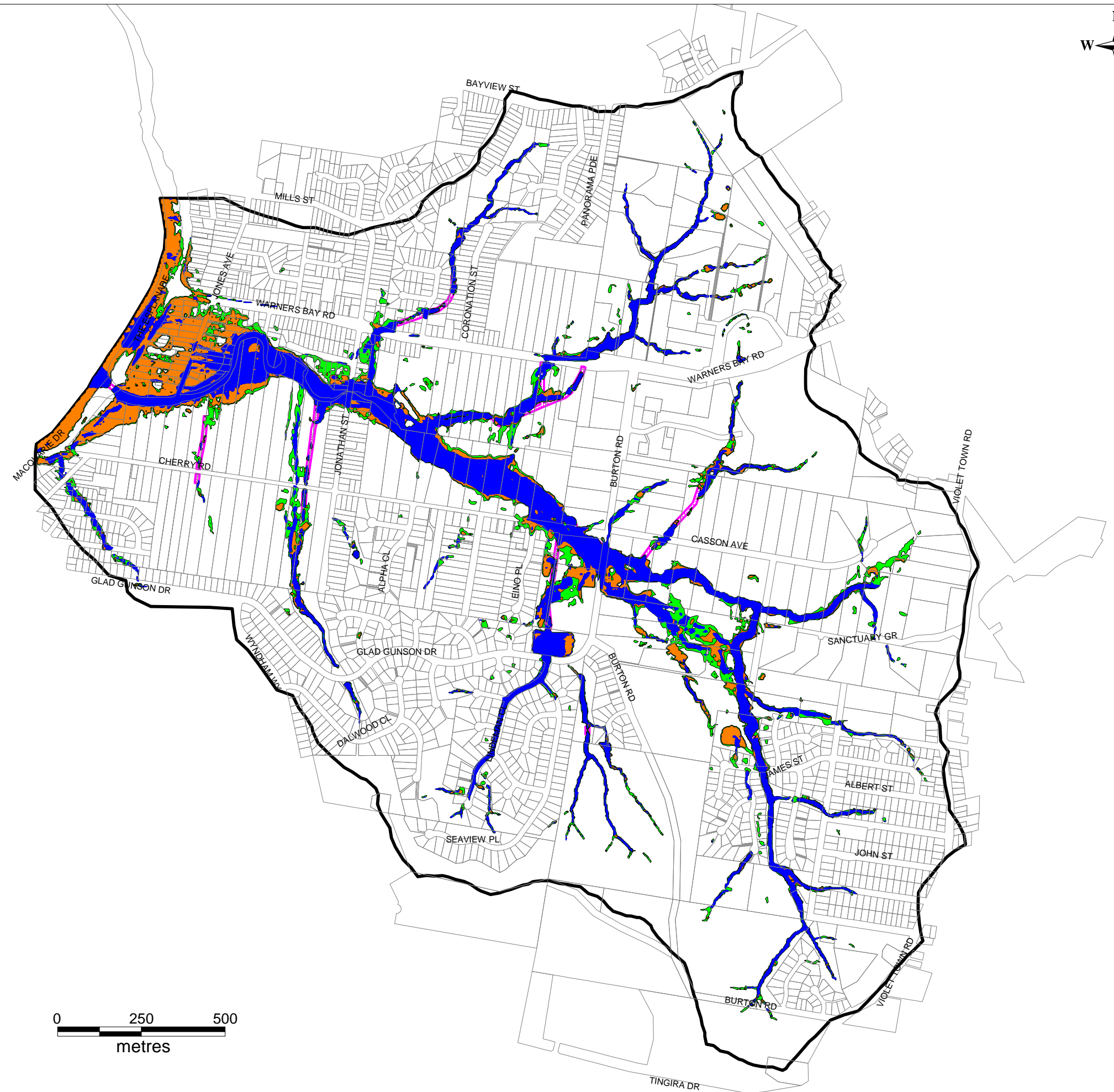


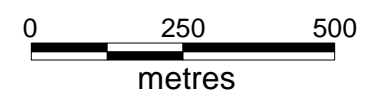
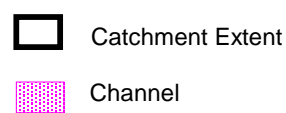
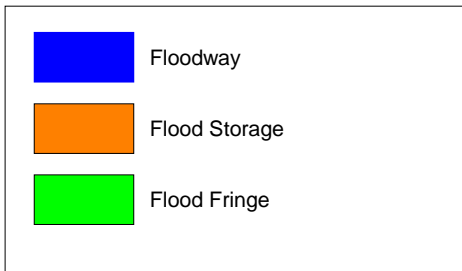
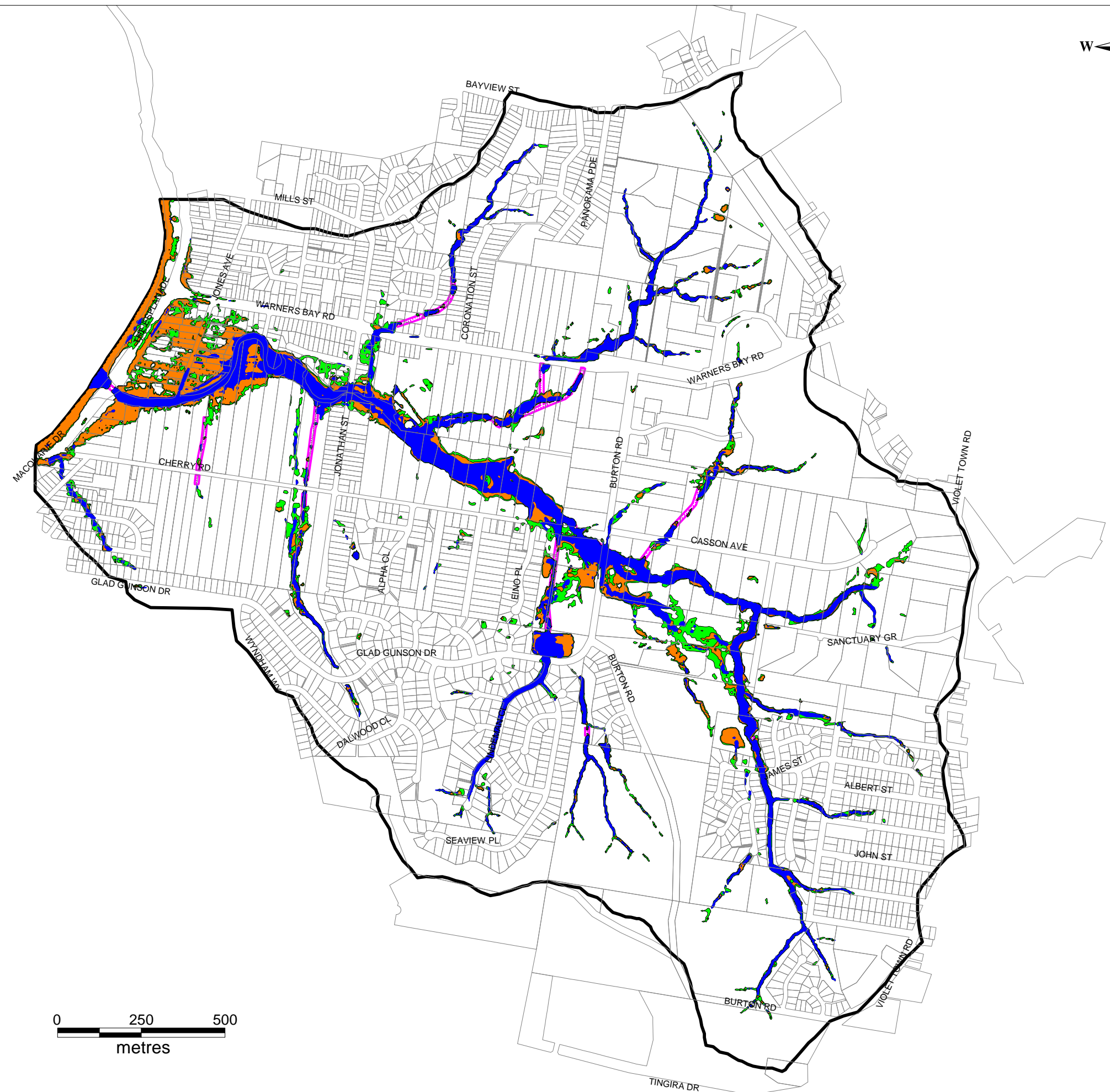
- High Hazard
- Low Hazard
- Catchment Extent
- Channel

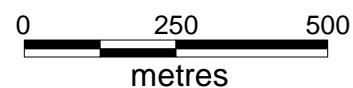
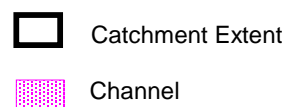
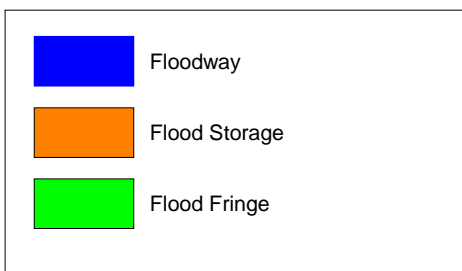
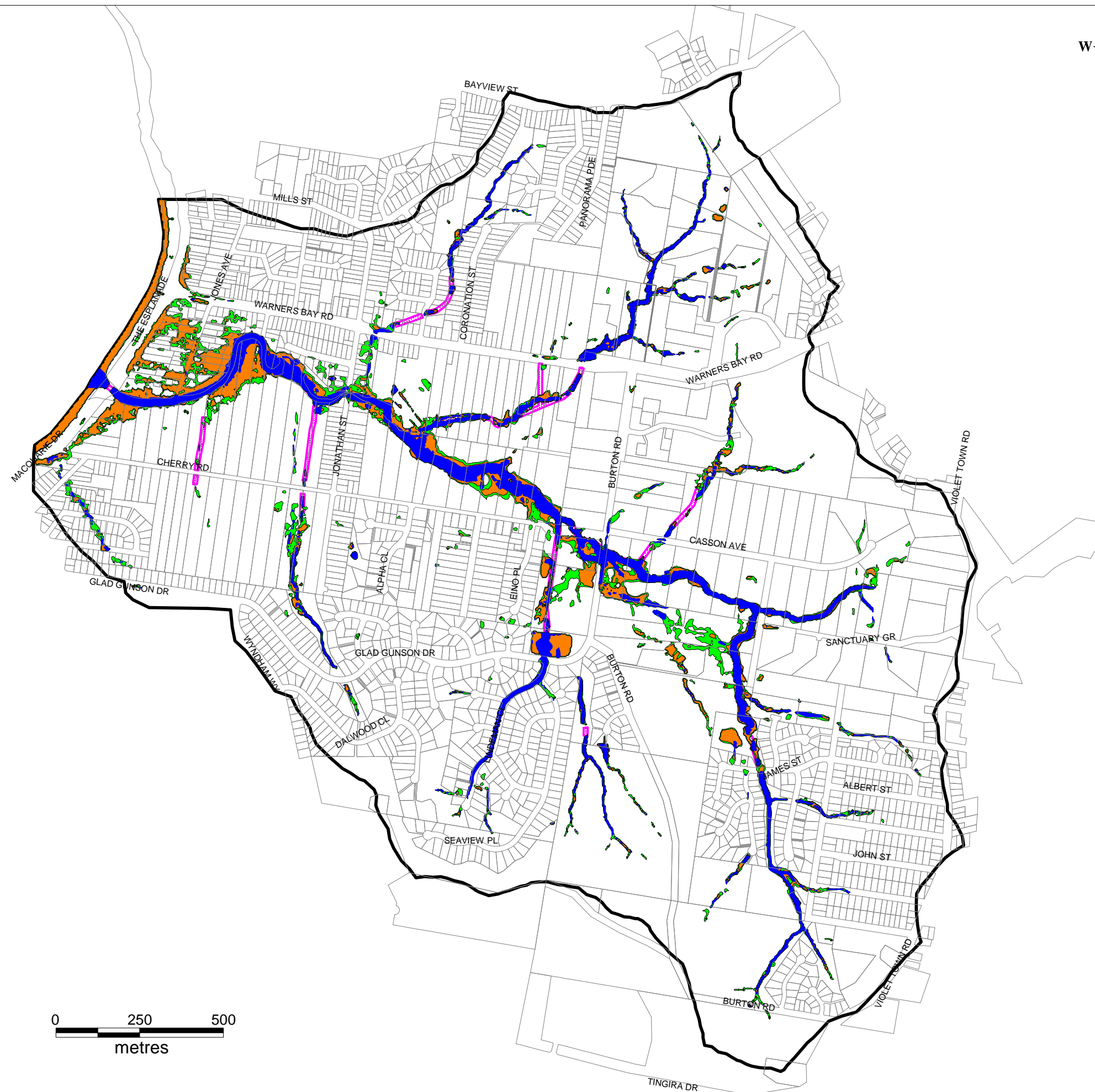


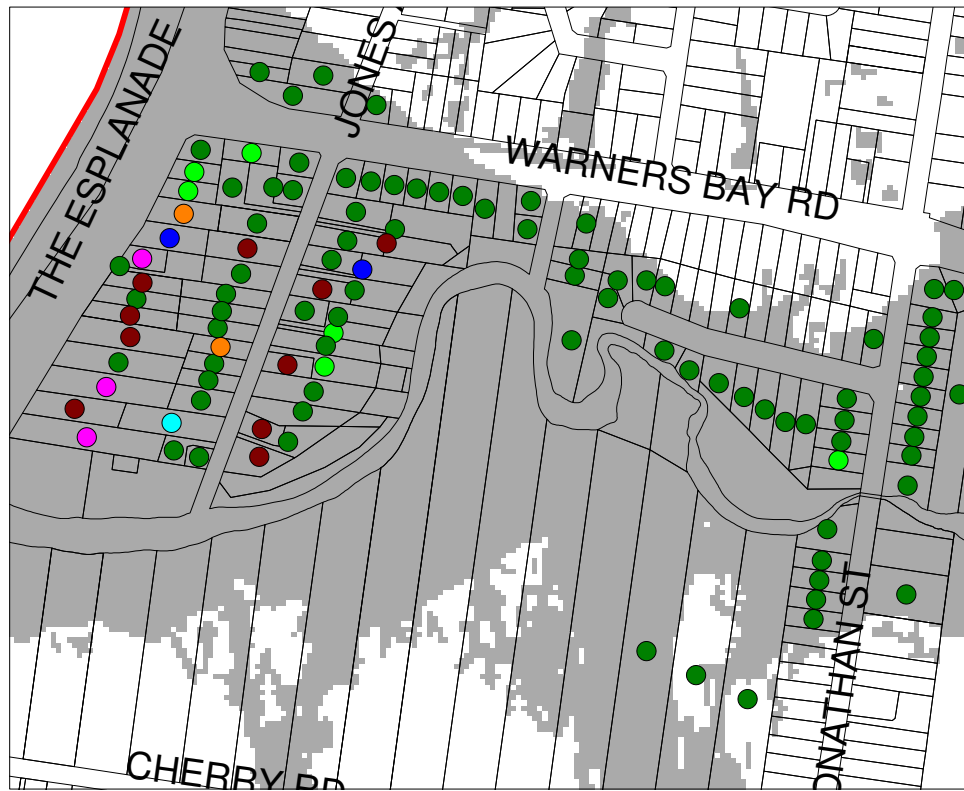
-  High Hazard
-  Low Hazard
-  Catchment Extent
-  Channel











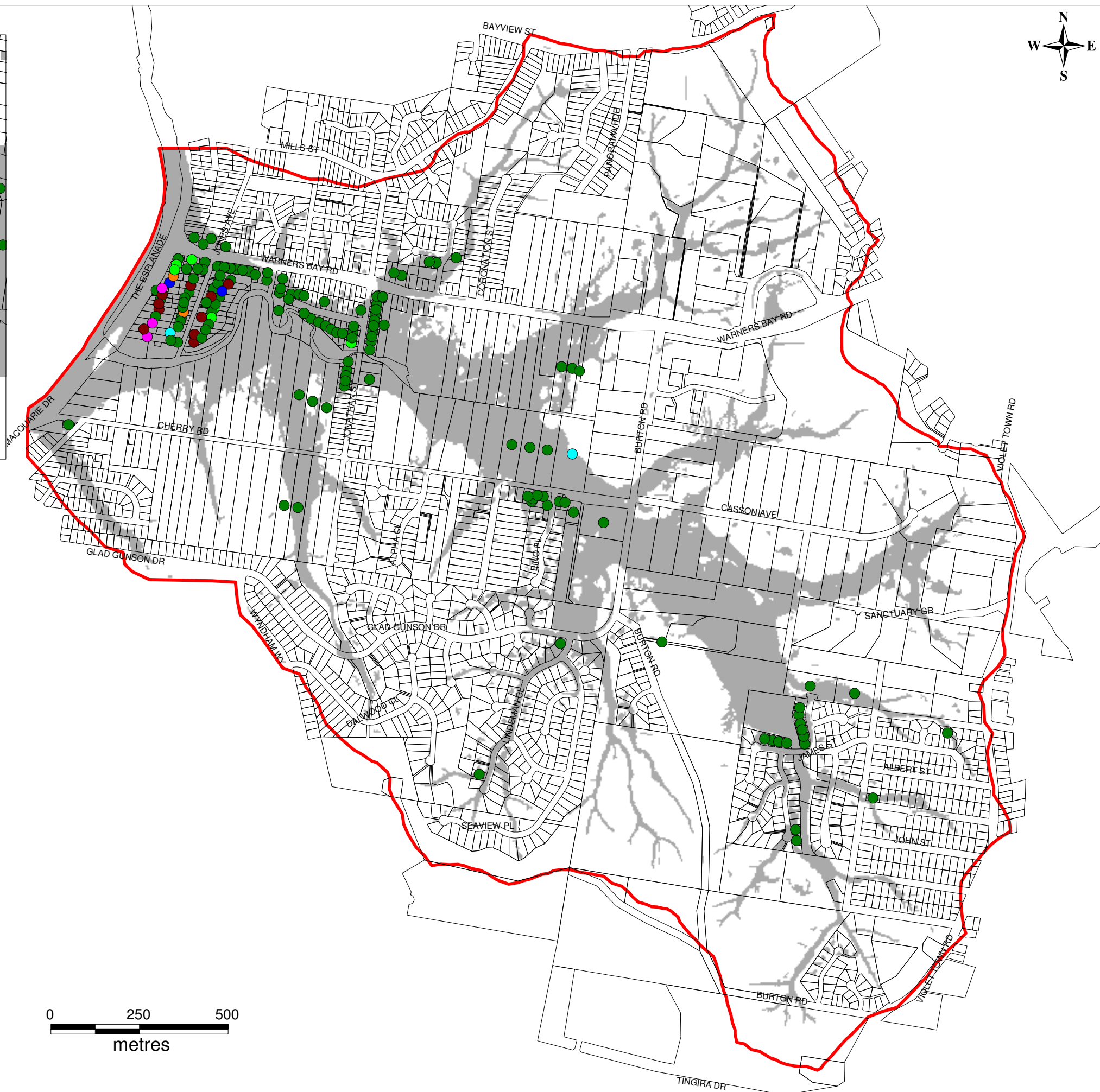
INSET

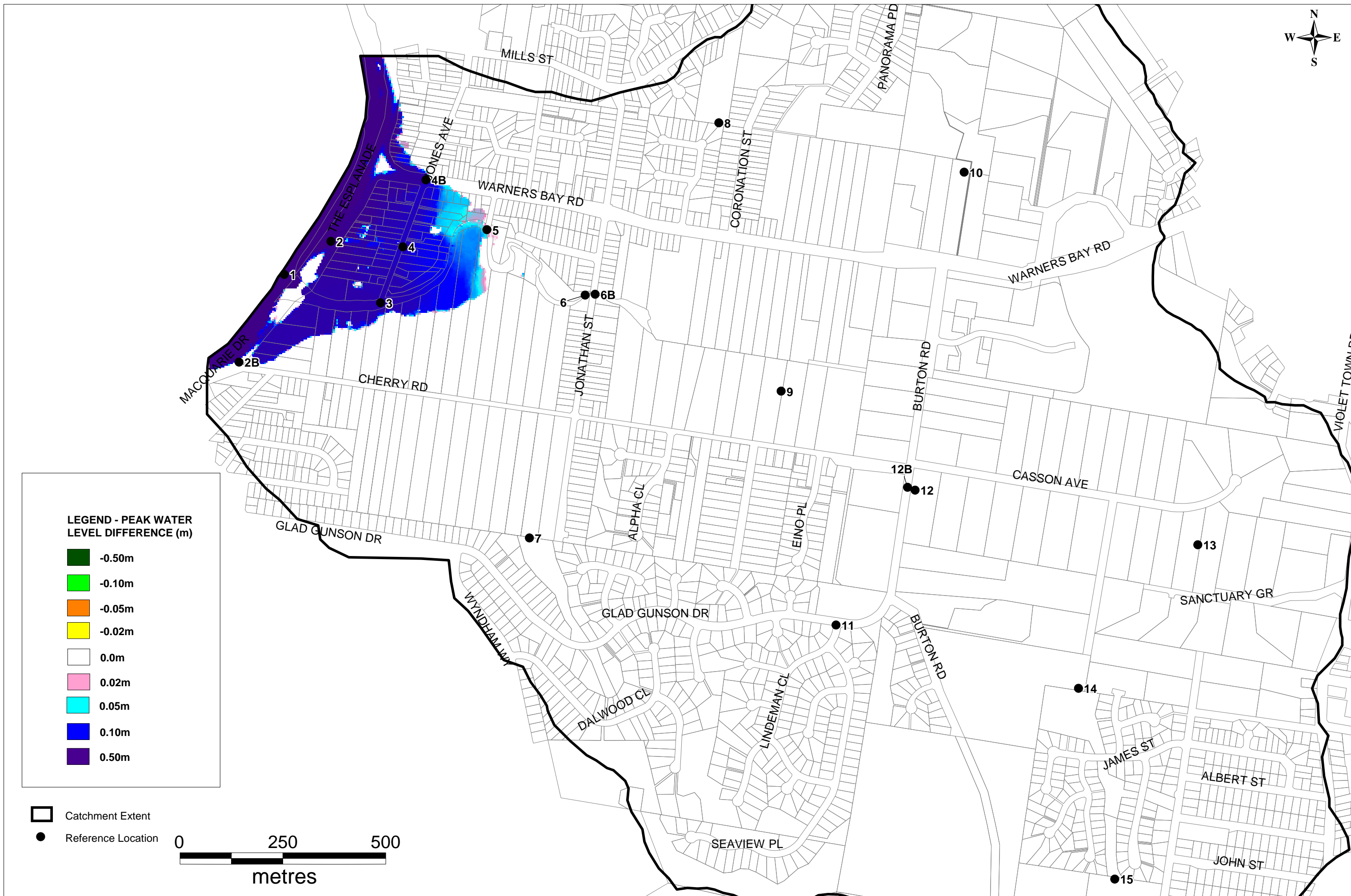
- Event resulting in overfloor flooding
- 20% AEP
 - 10% AEP
 - 5% AEP
 - 2% AEP
 - 1% AEP
 - 0.5% AEP
 - PMF
 - n/a

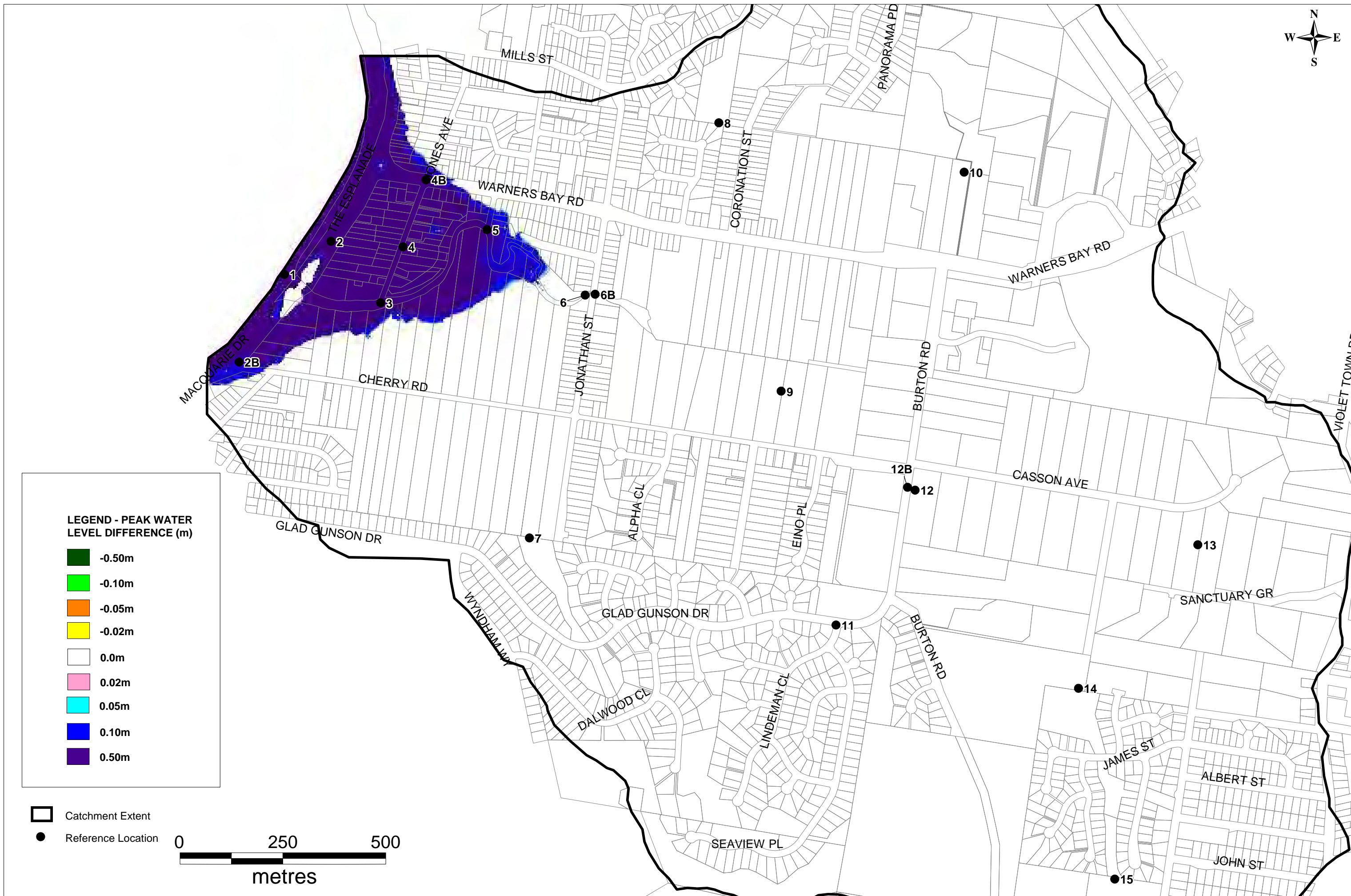
Catchment Extent

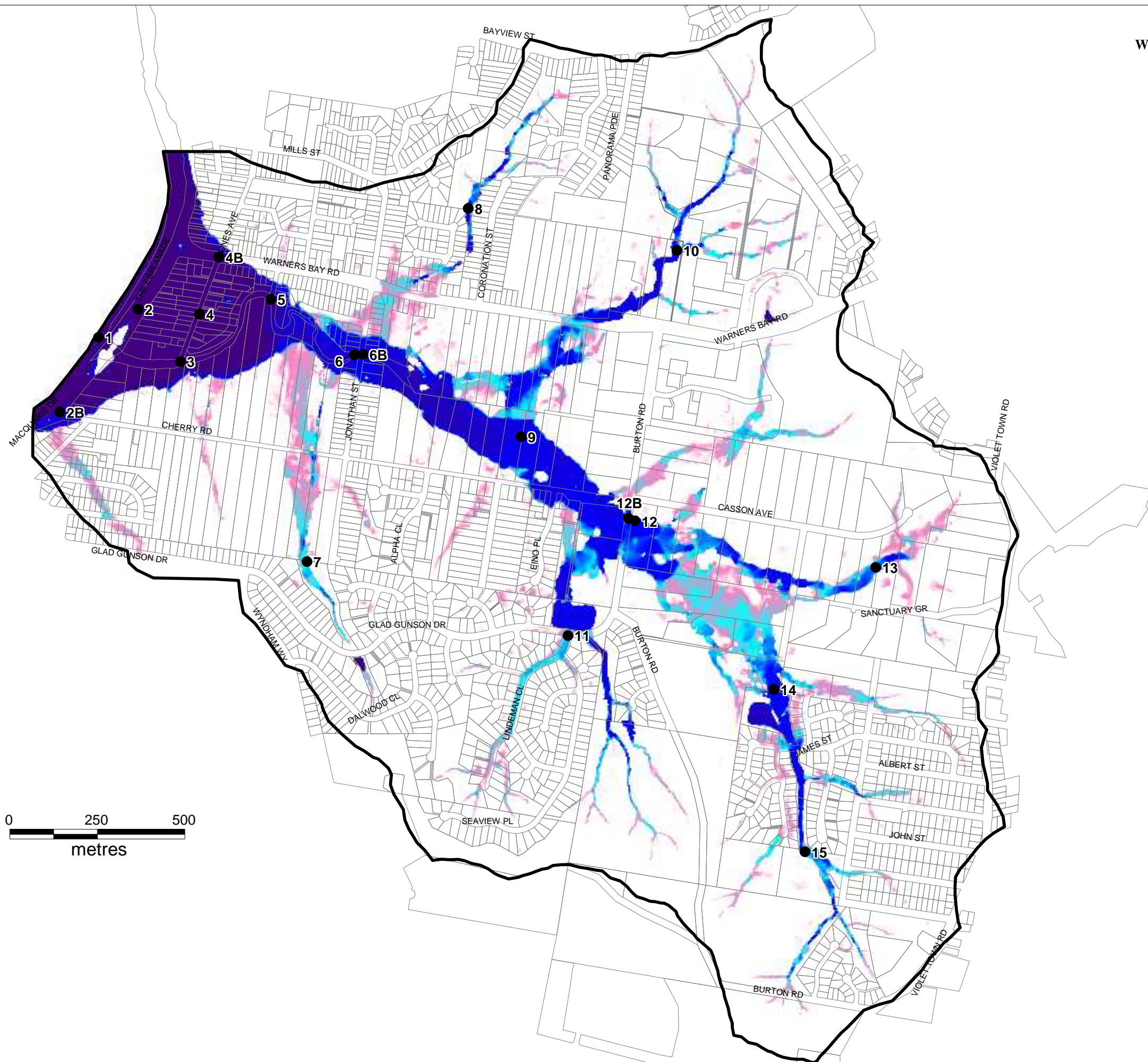
Approximate PMF Event Extent

0 250 500
metres









**LEGEND - PEAK WATER
LEVEL DIFFERENCE (m)**

- 0.50m
- 0.10m
- 0.05m
- 0.02m
- 0.0m
- 0.02m
- 0.05m
- 0.10m
- 0.50m

- Catchment Extent
- Reference Location

0 250 500
metres

