



**Woy Woy Peninsula
Flood Study**

A P P E N D I X B

Figures

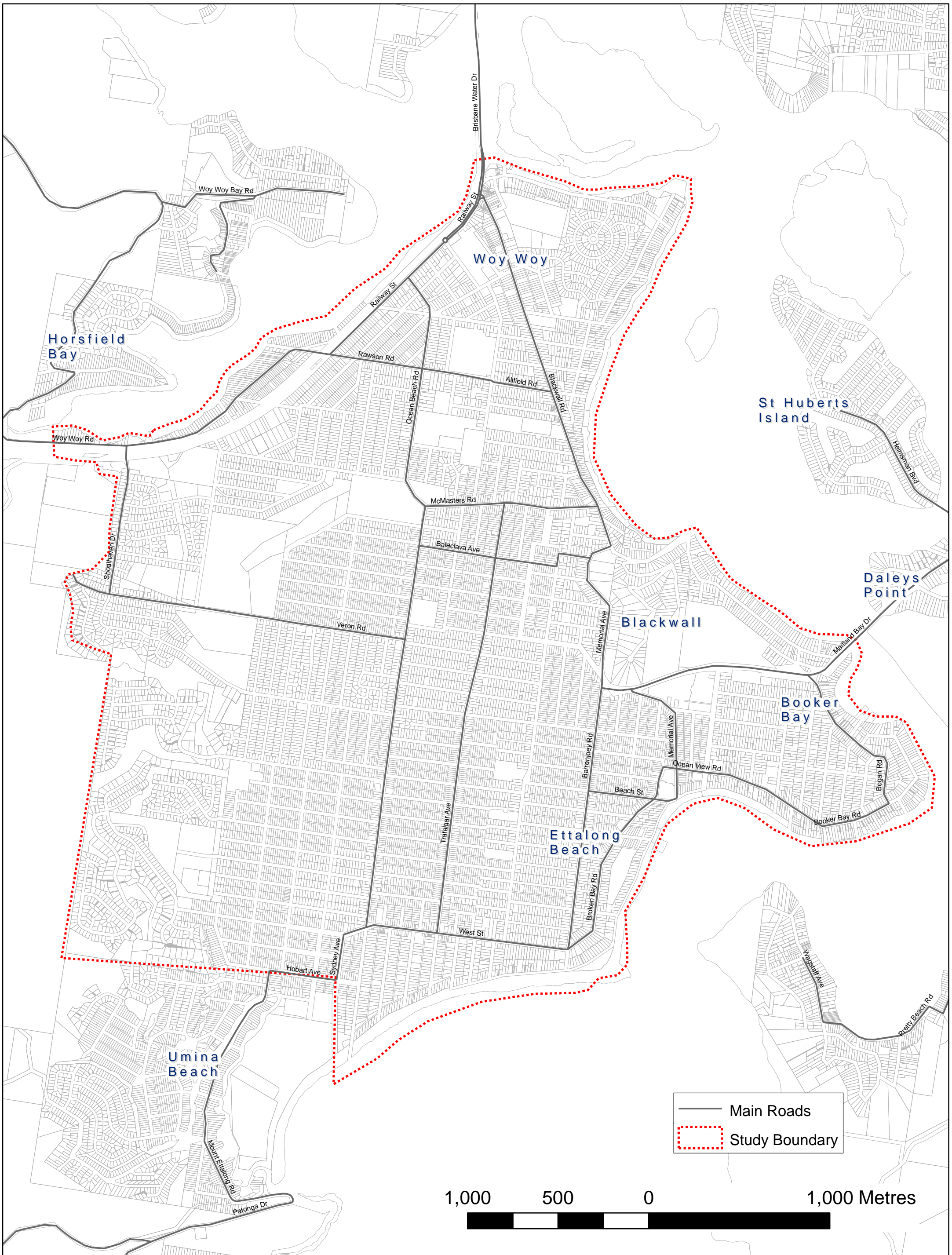


Figure 1 - Study Area

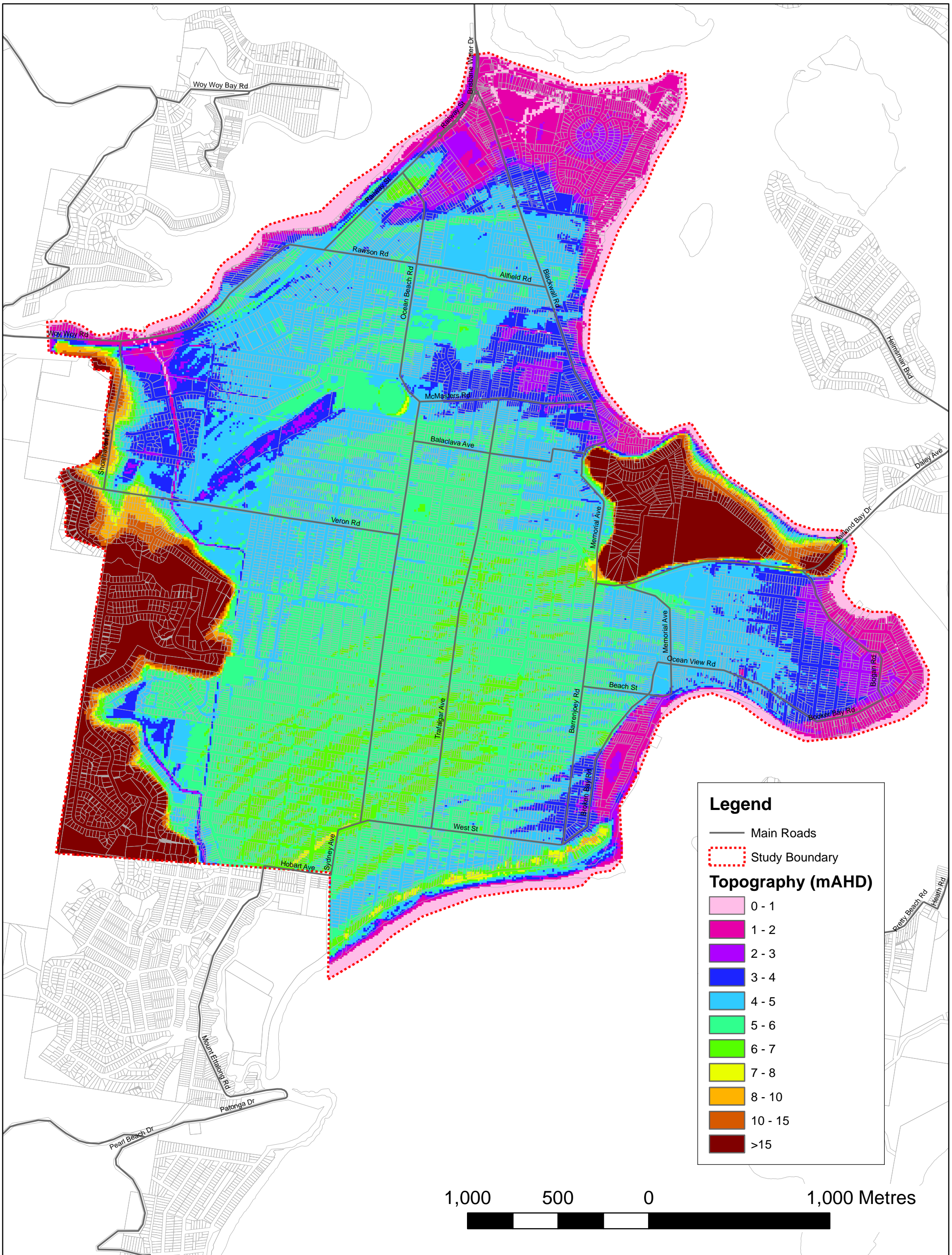


Figure 2 - Study Area Topography

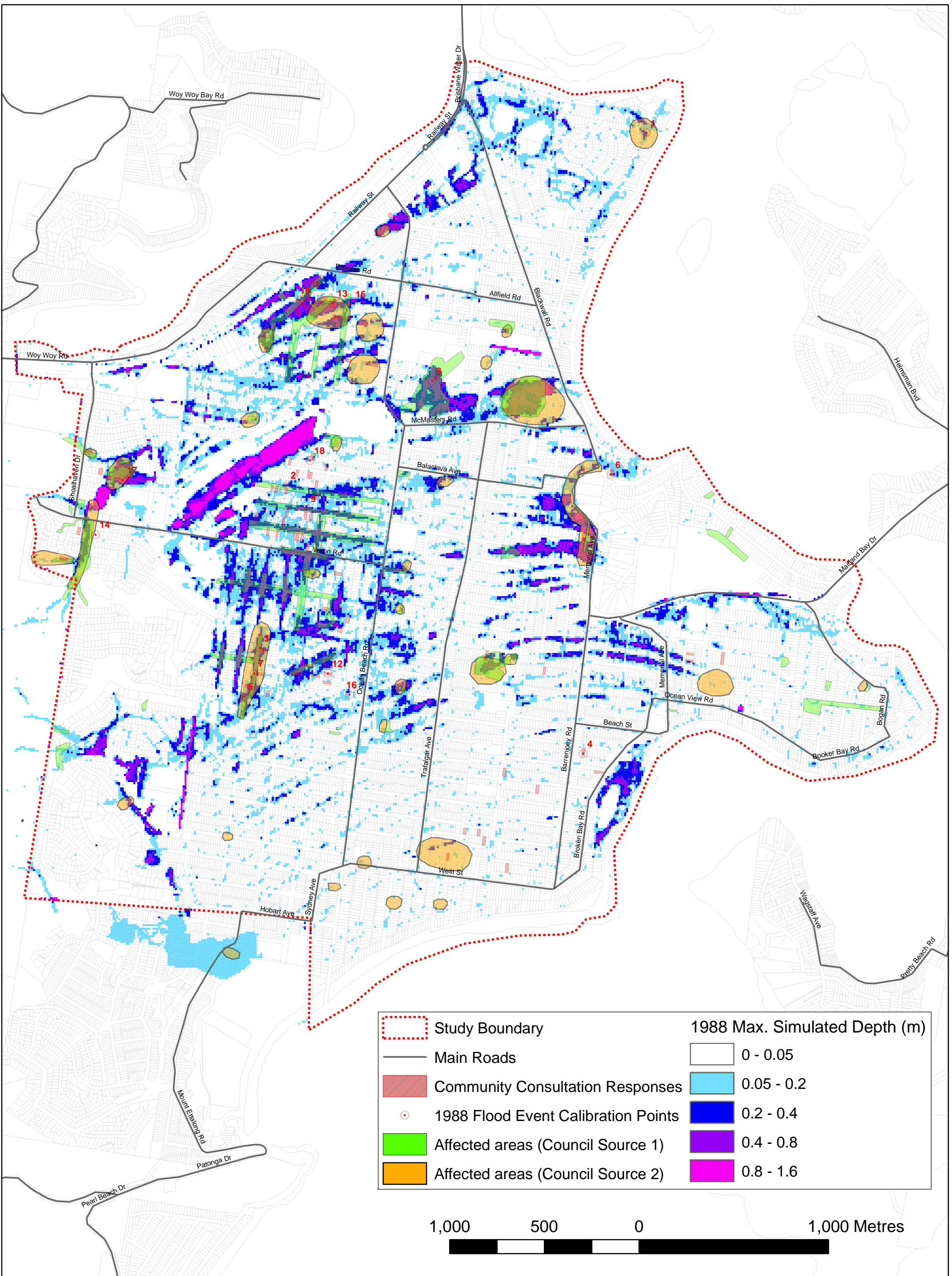


Figure 3 - Properties Reported As Affected By Overland Flows, Community Consultation Responses, Calibration event locations and Simulated 1988 Peak Water Depths.

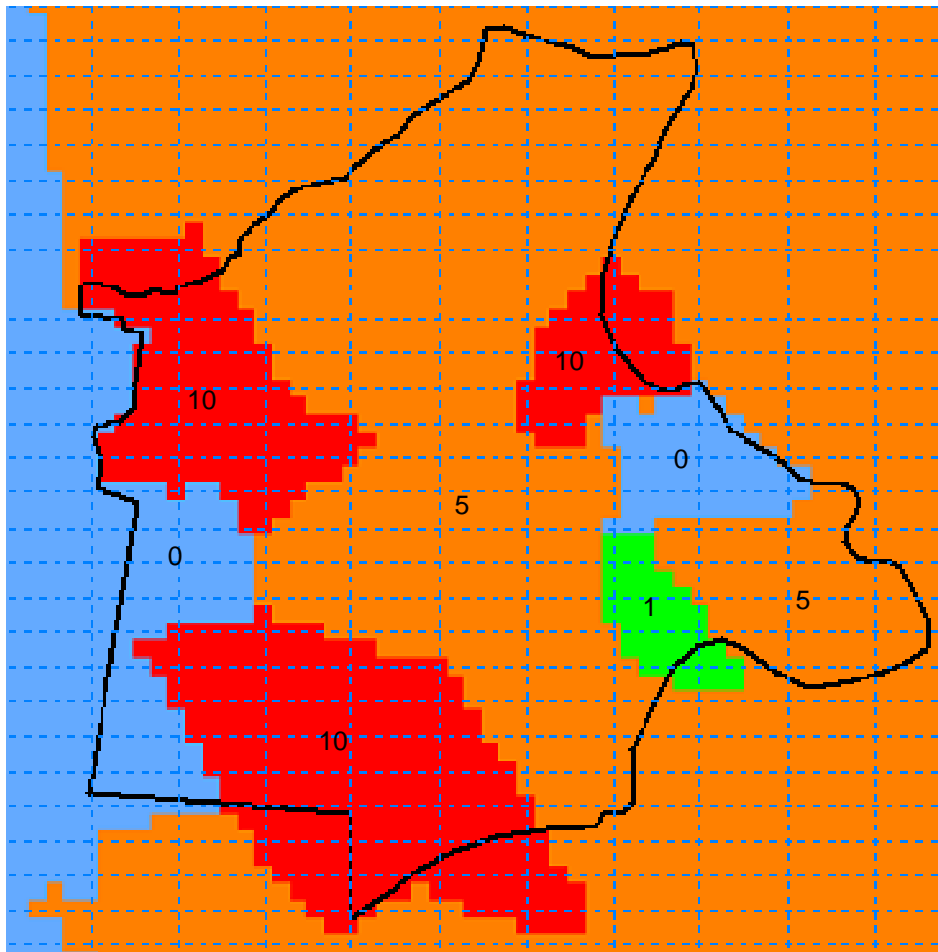


Figure 4 - Calibrated Saturated Horizontal Hydraulic Conductivity (m/d)

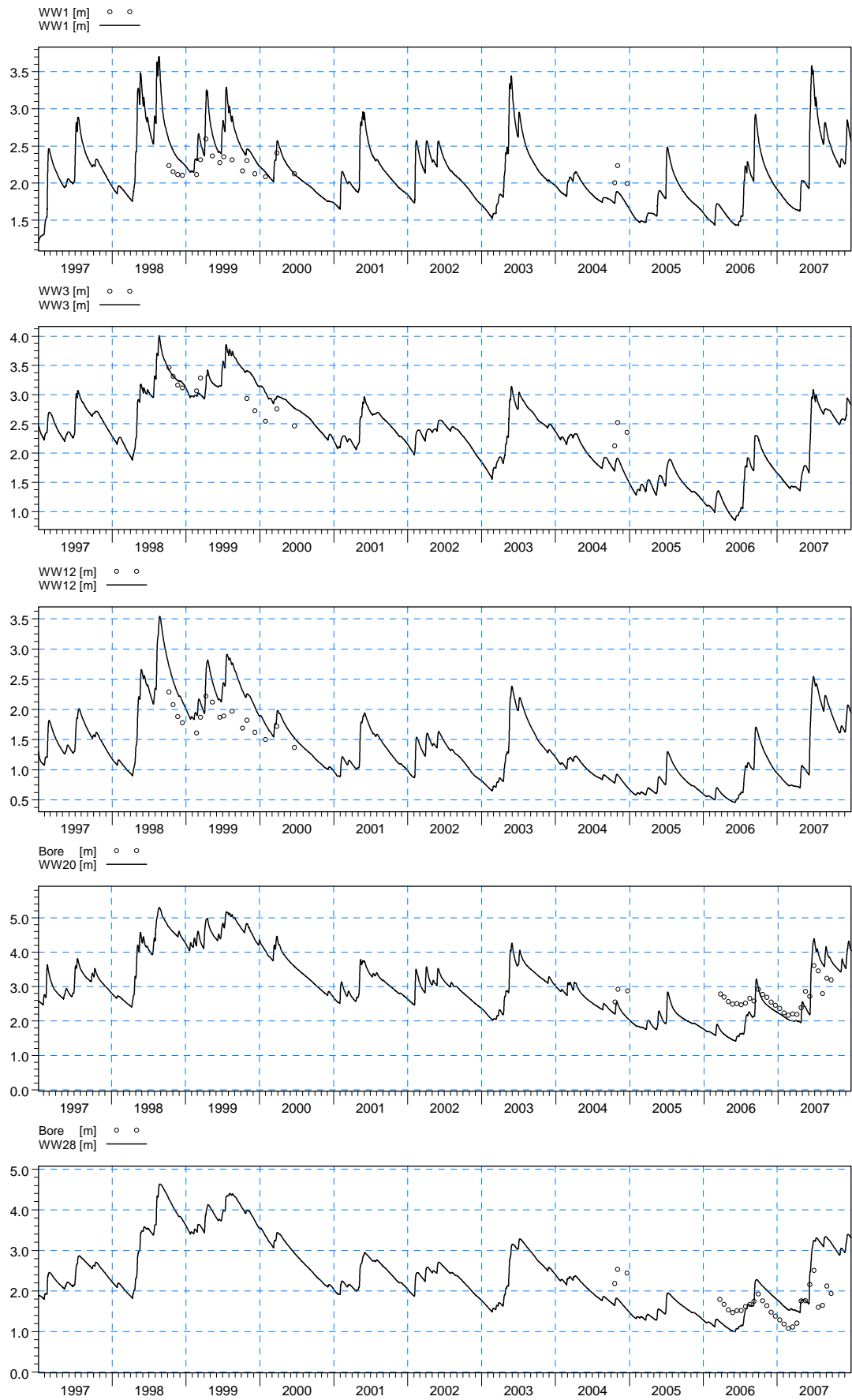


Figure 5 - Sample of groundwater calibration results

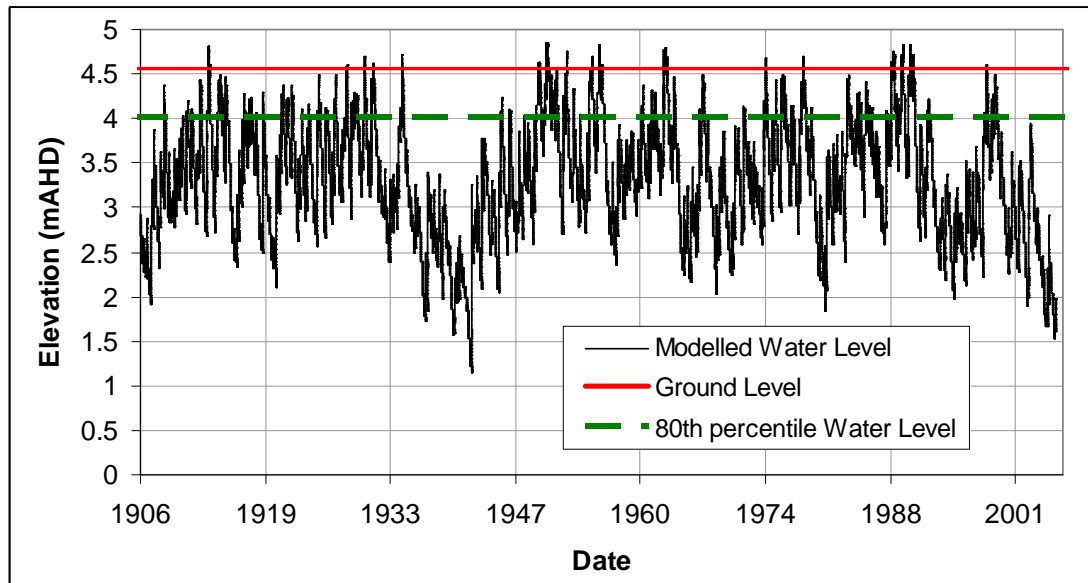


Figure 6 - Modelled groundwater table elevation at Bore WW5 for period 1906-2006.

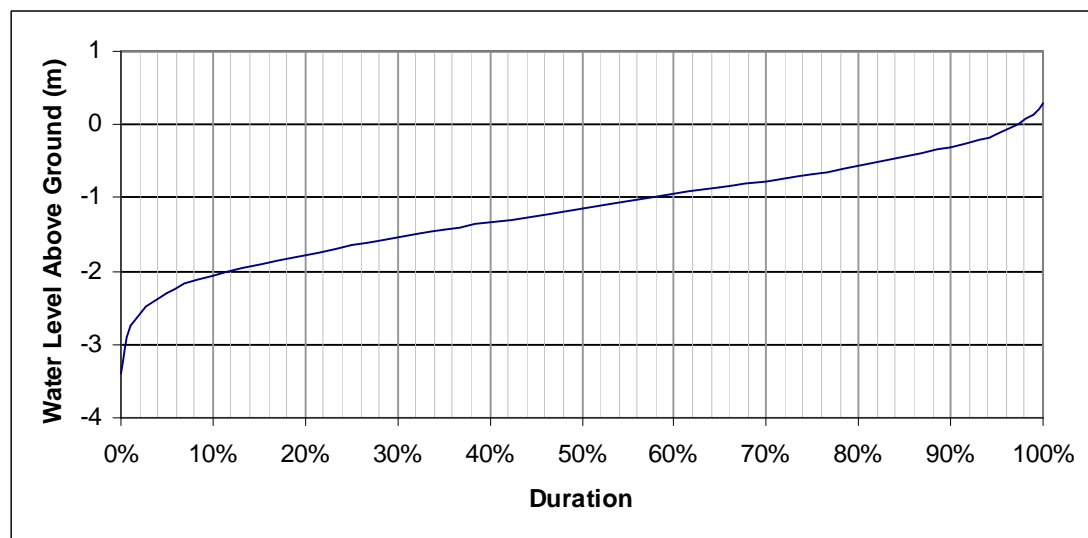


Figure 7 – Duration exceedence curve for modelled groundwater table elevation at Bore WW5 for period 1906-2006.

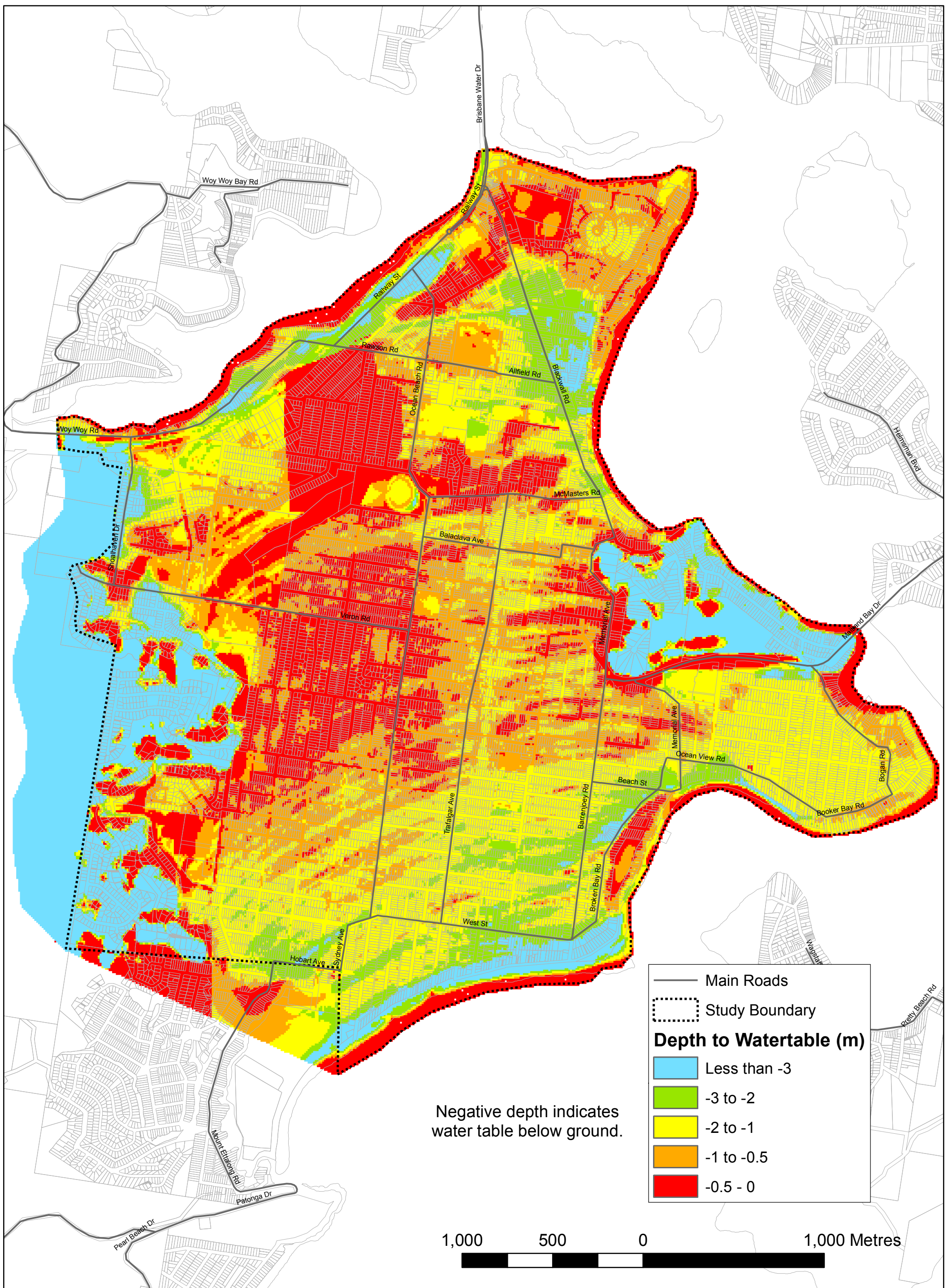


Figure 8 - Adopted antecedent groundwater levels for the design event modelling.

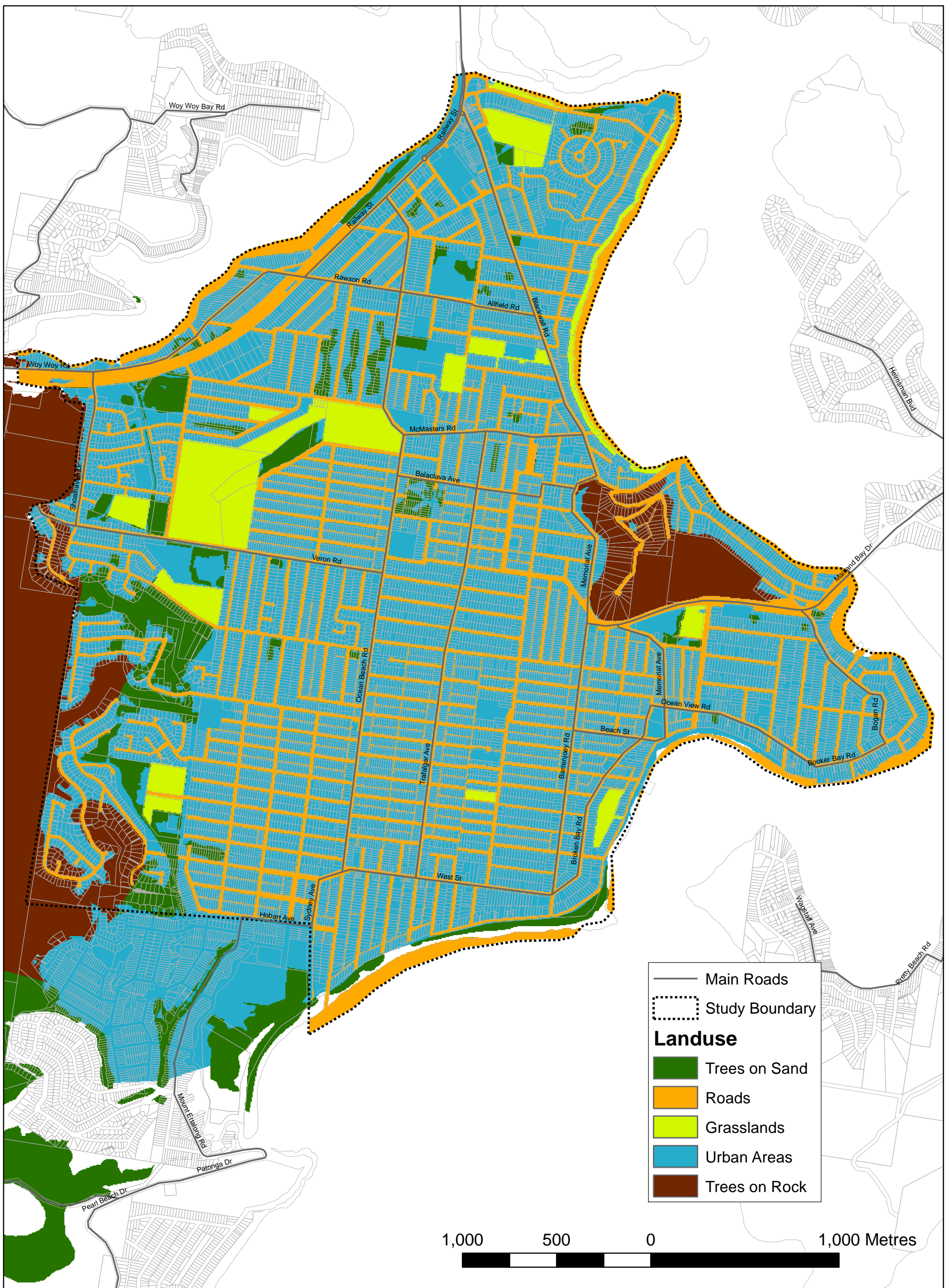


Figure 9 - Land Use

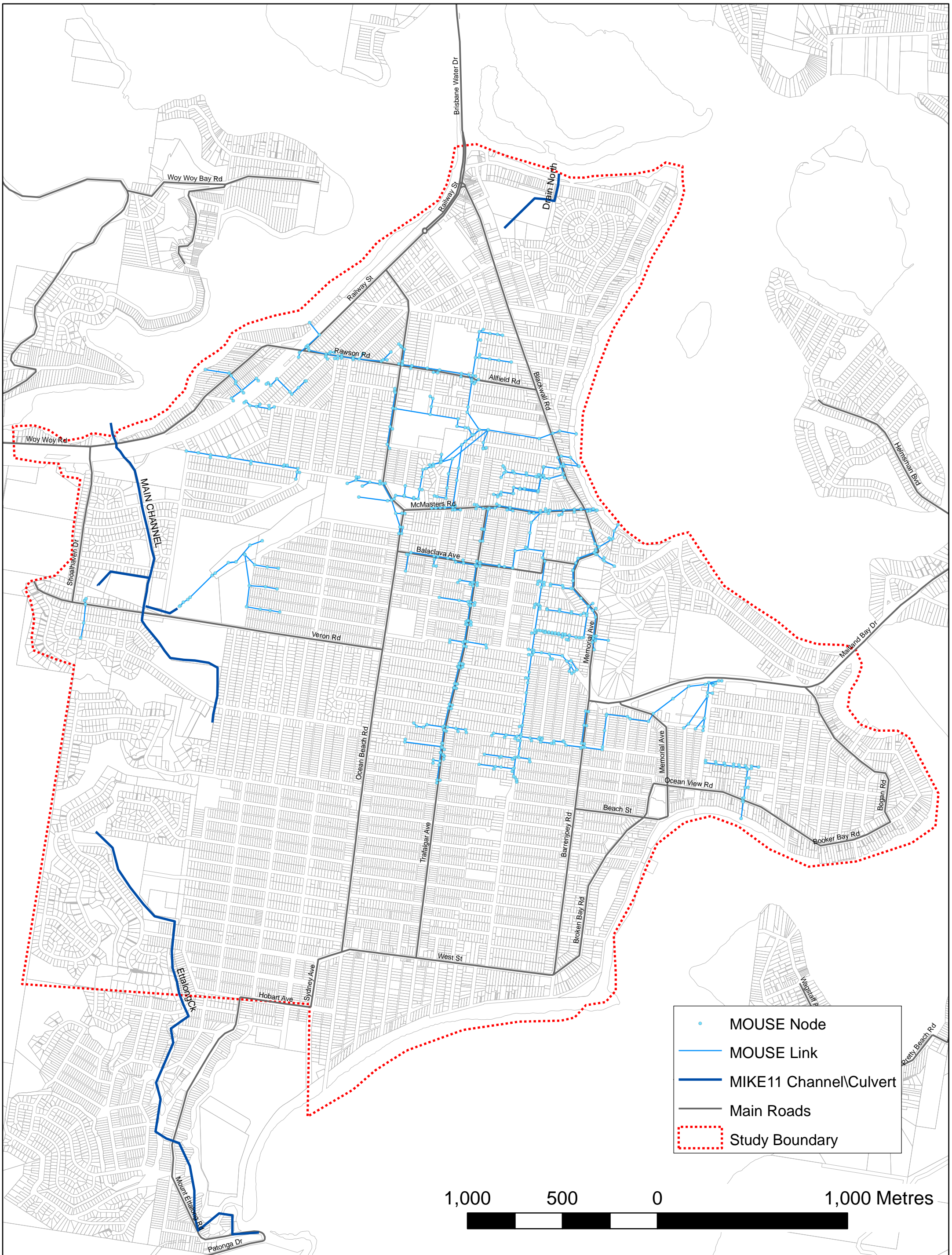


Figure 10 - Modelled Open Channel and Stormwater Pipe Network

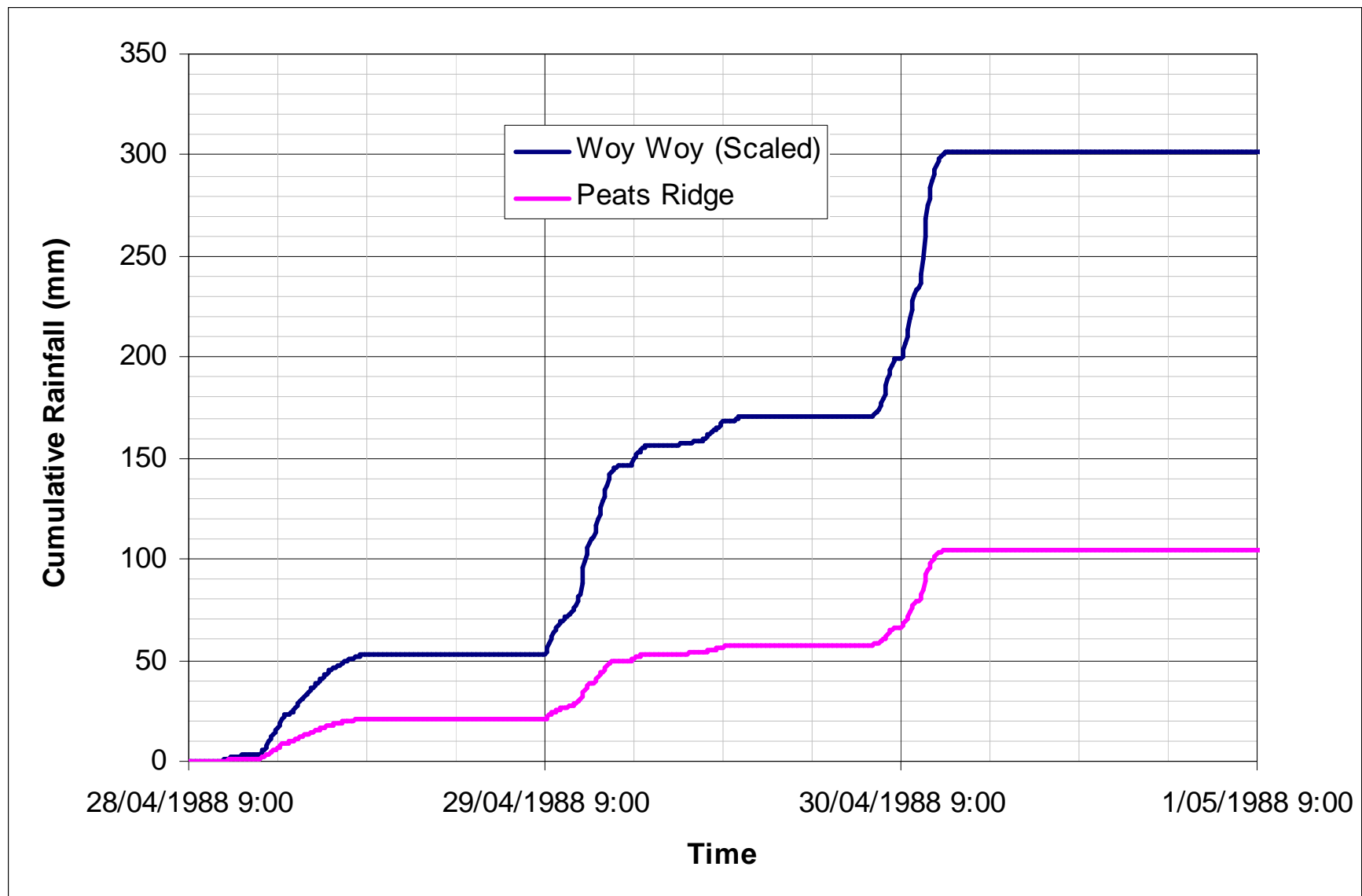


Figure 11 - 1988 Calibration Event Rainfall Hyetograph

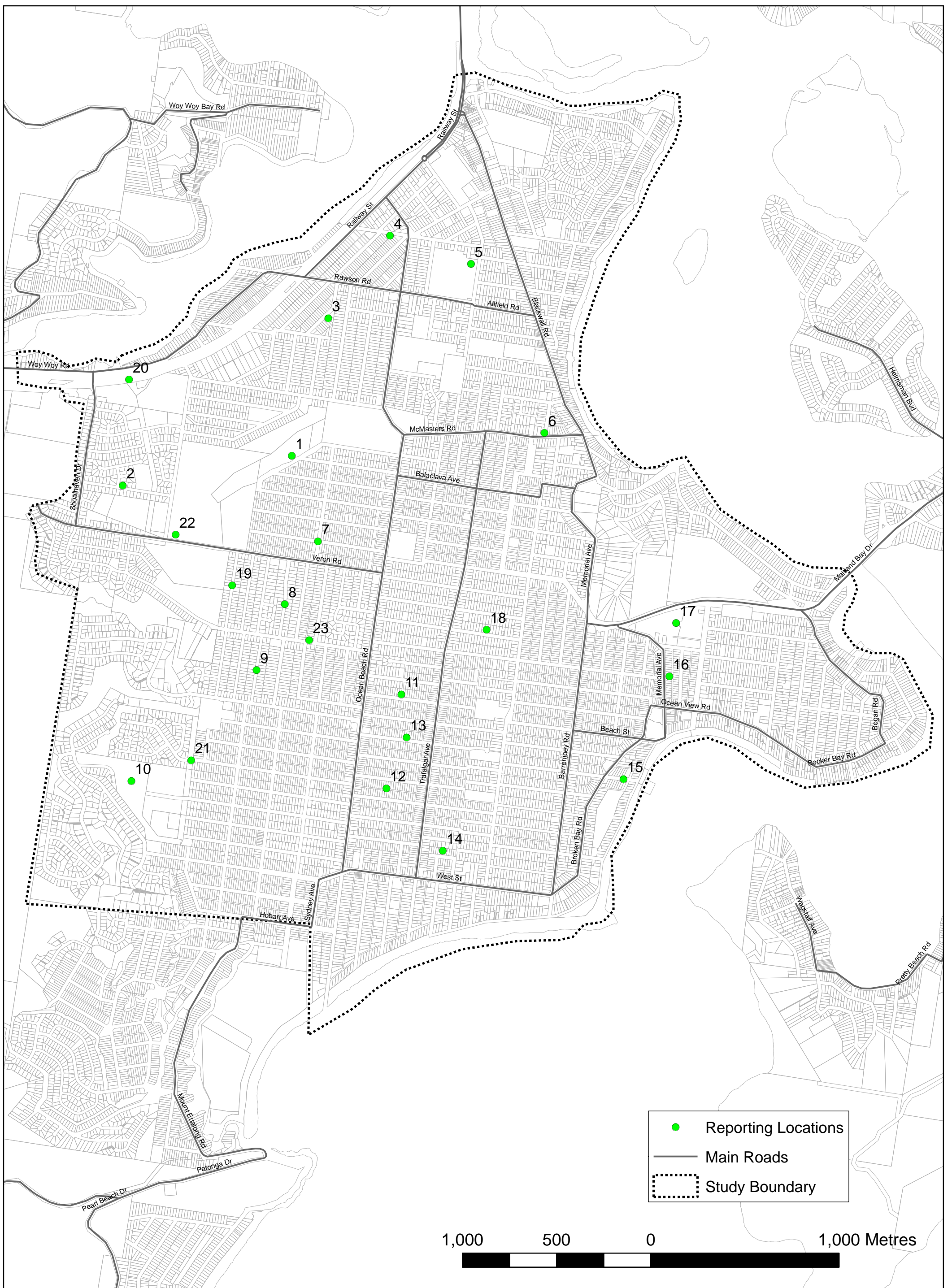


Figure 12 - Representative Locations for Reporting

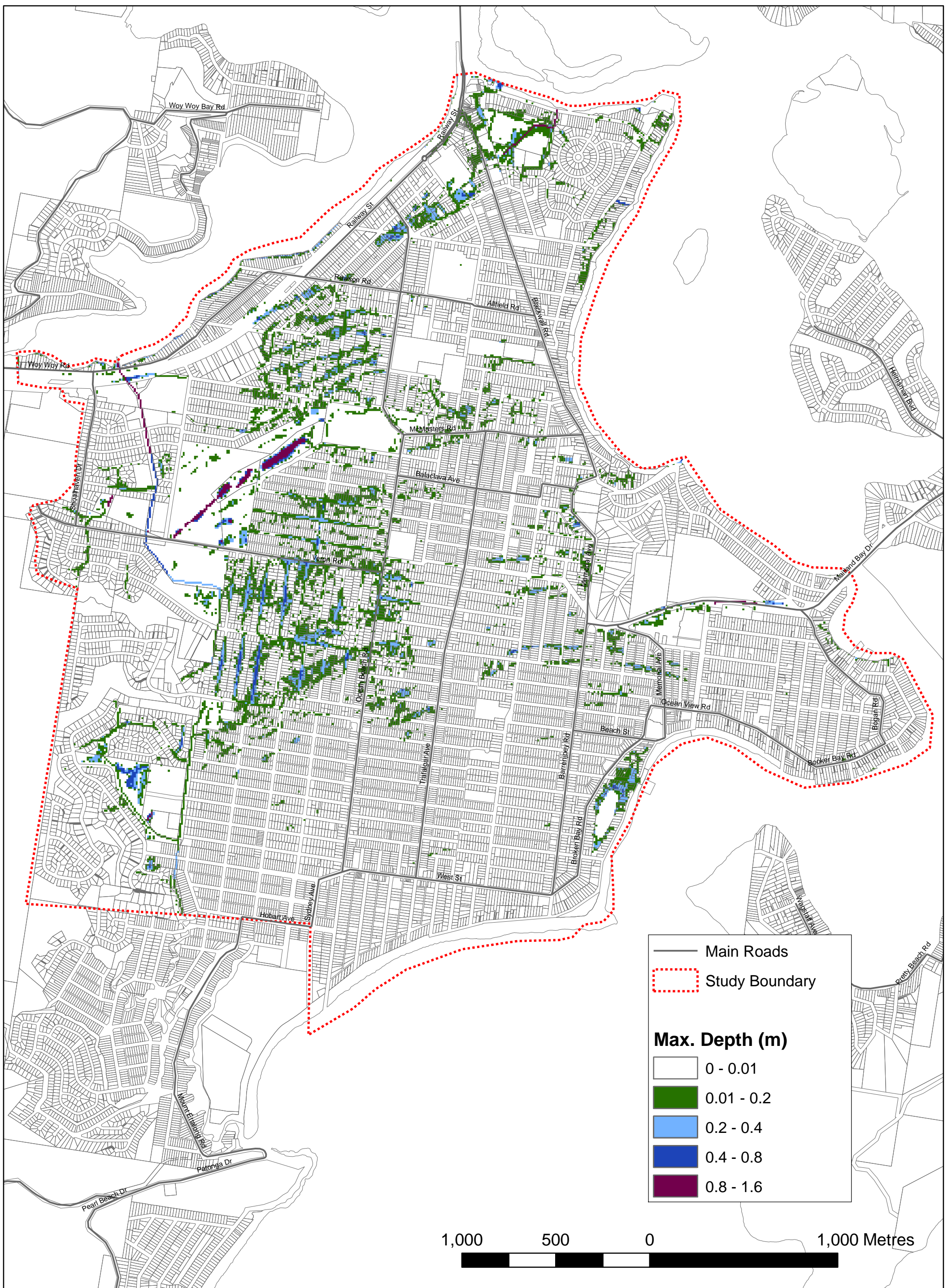


Figure 13 – Modelled Flood Depth for 2yr ARI (50% AEP) with Existing Development.

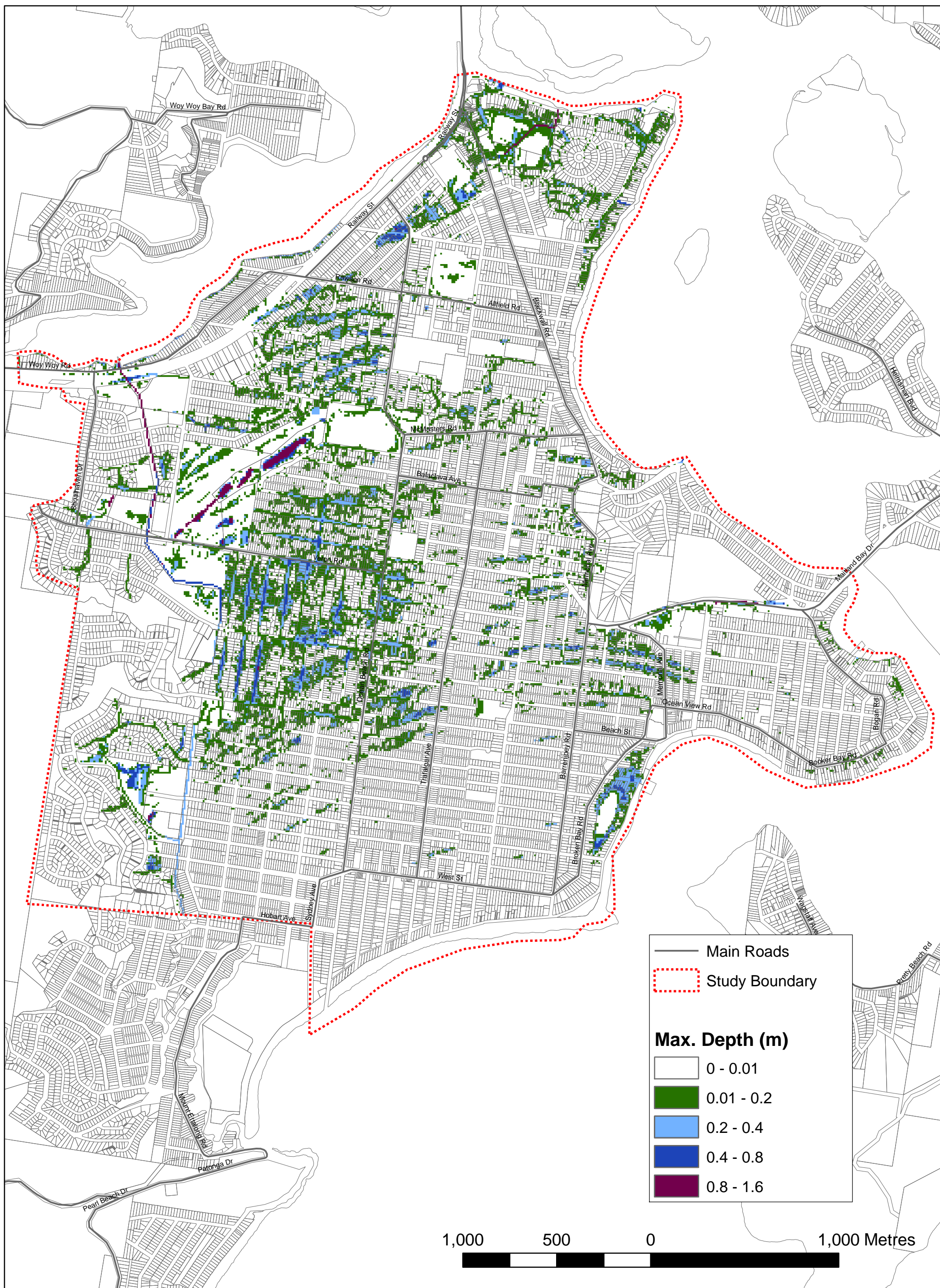


Figure 14 – Modelled Flood Depth for 10yr ARI (10% AEP) with Existing Development.

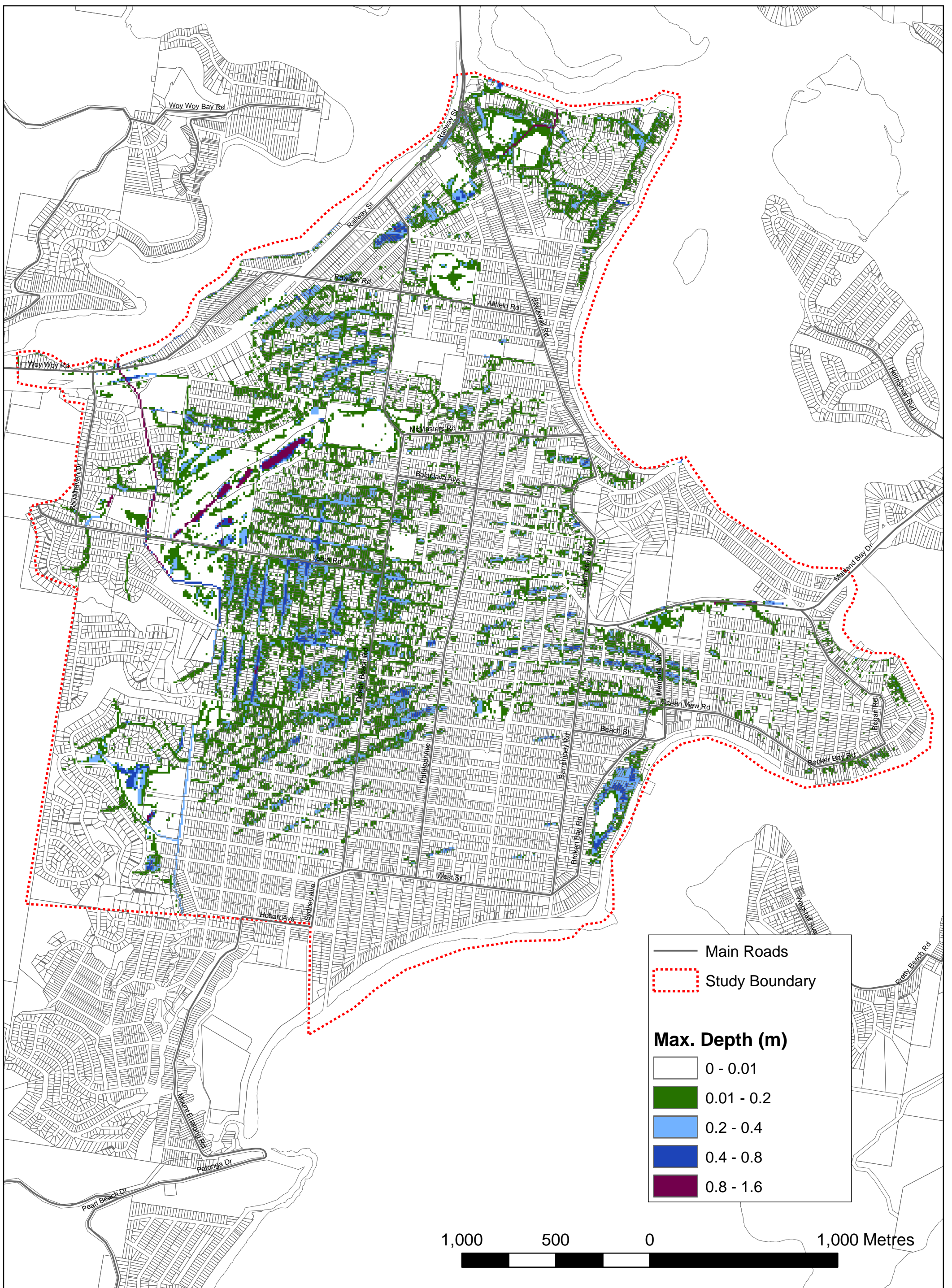


Figure 15 – Modelled Flood Depth for 20yr ARI (5% AEP) with Existing Development.

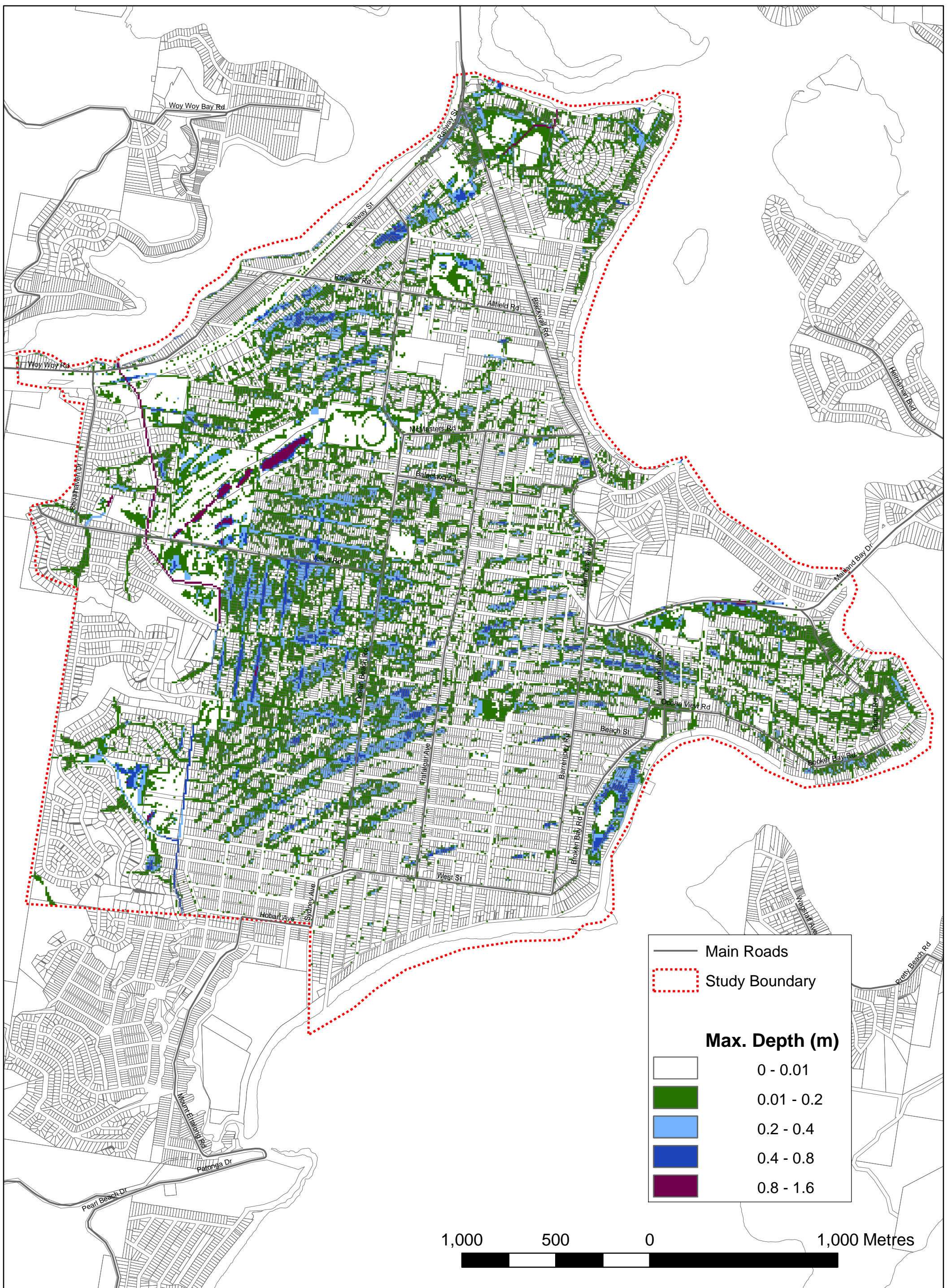


Figure 16 – Modelled Flood Depth for 100yr ARI (1% AEP) with Existing Development.

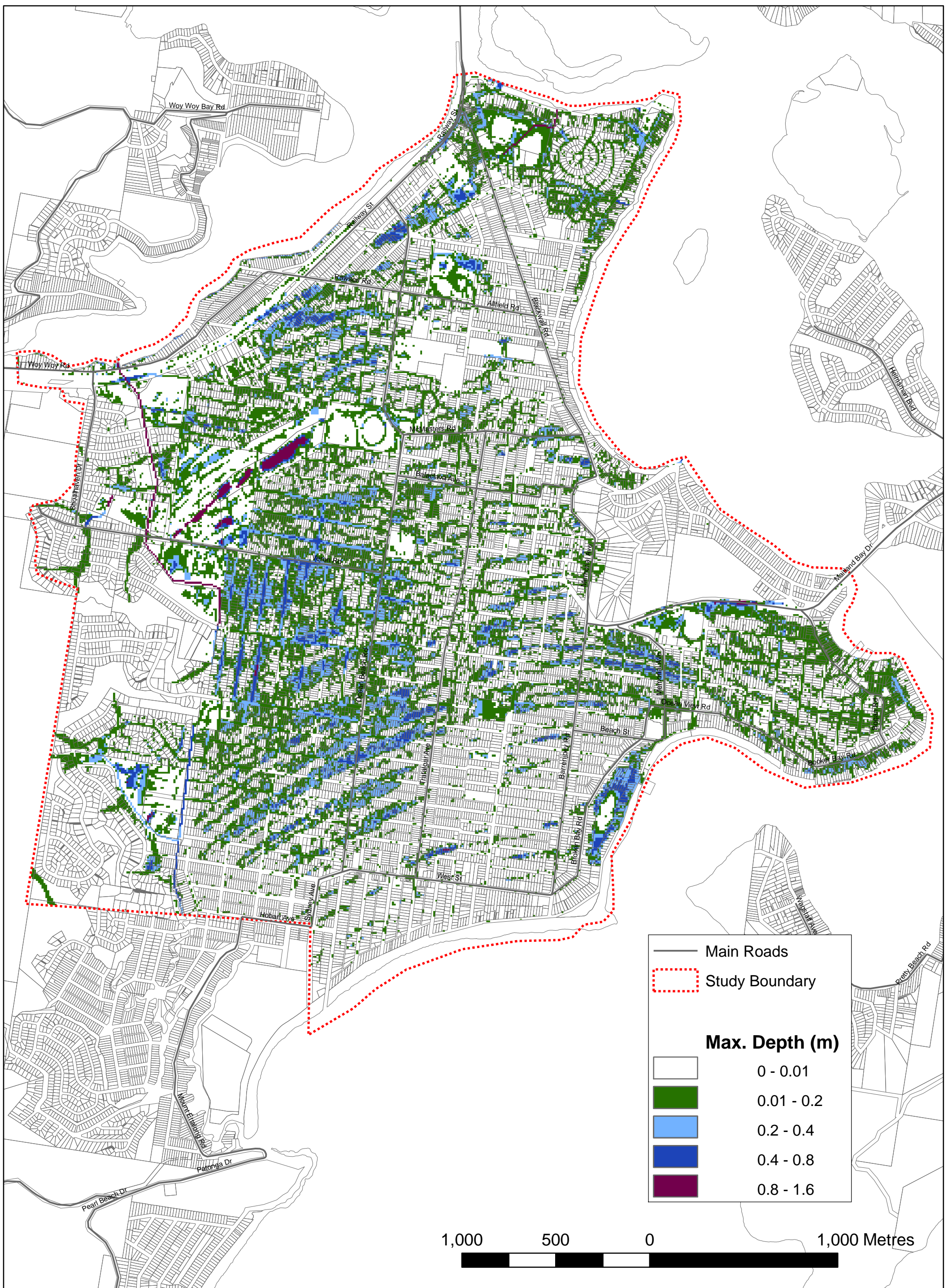


Figure 17 – Modelled Flood Depth for 200yr ARI (0.5% AEP) with Existing Development.

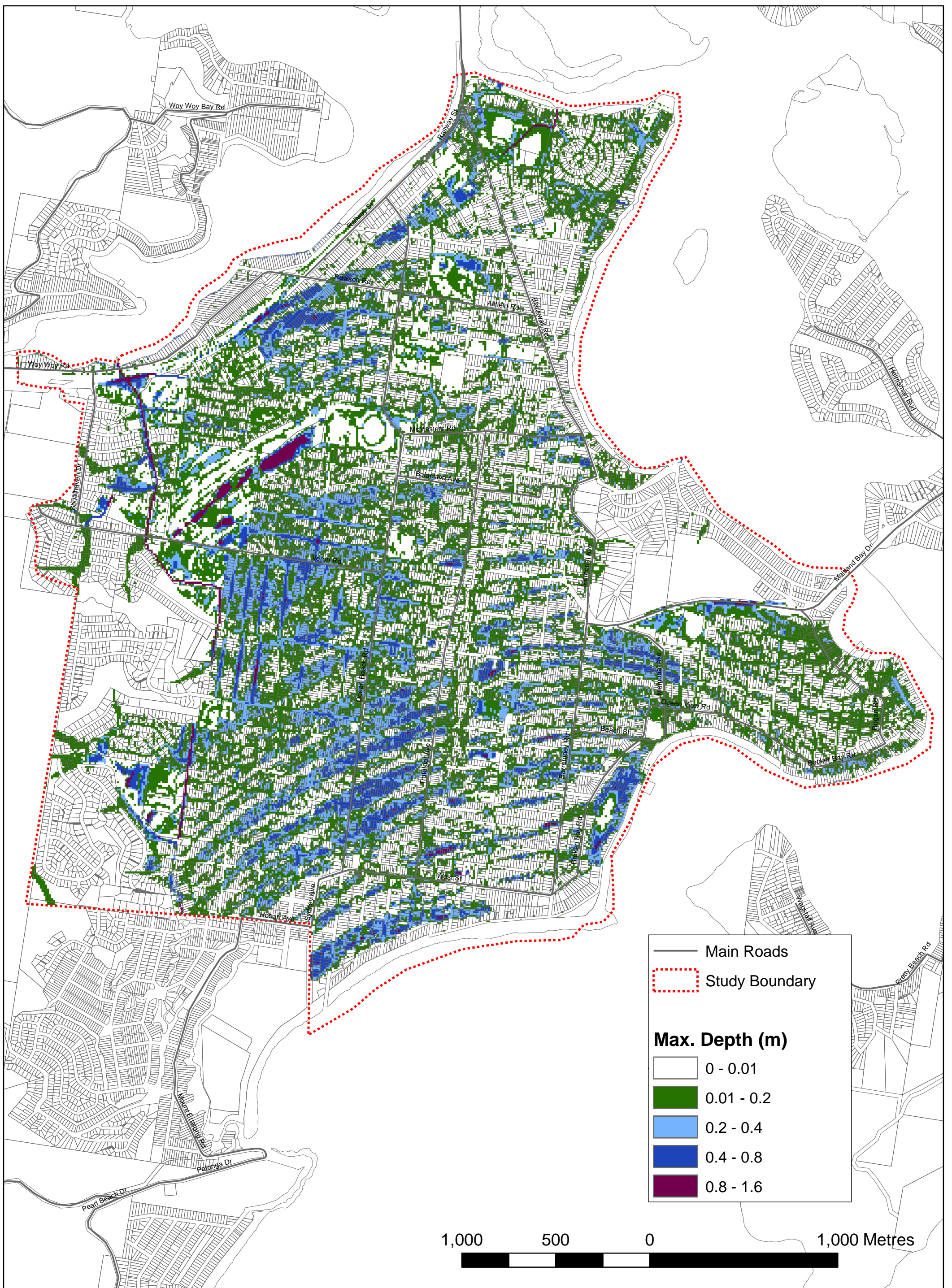


Figure 18 – Modelled Flood Depth for PMP Event with Existing Development.

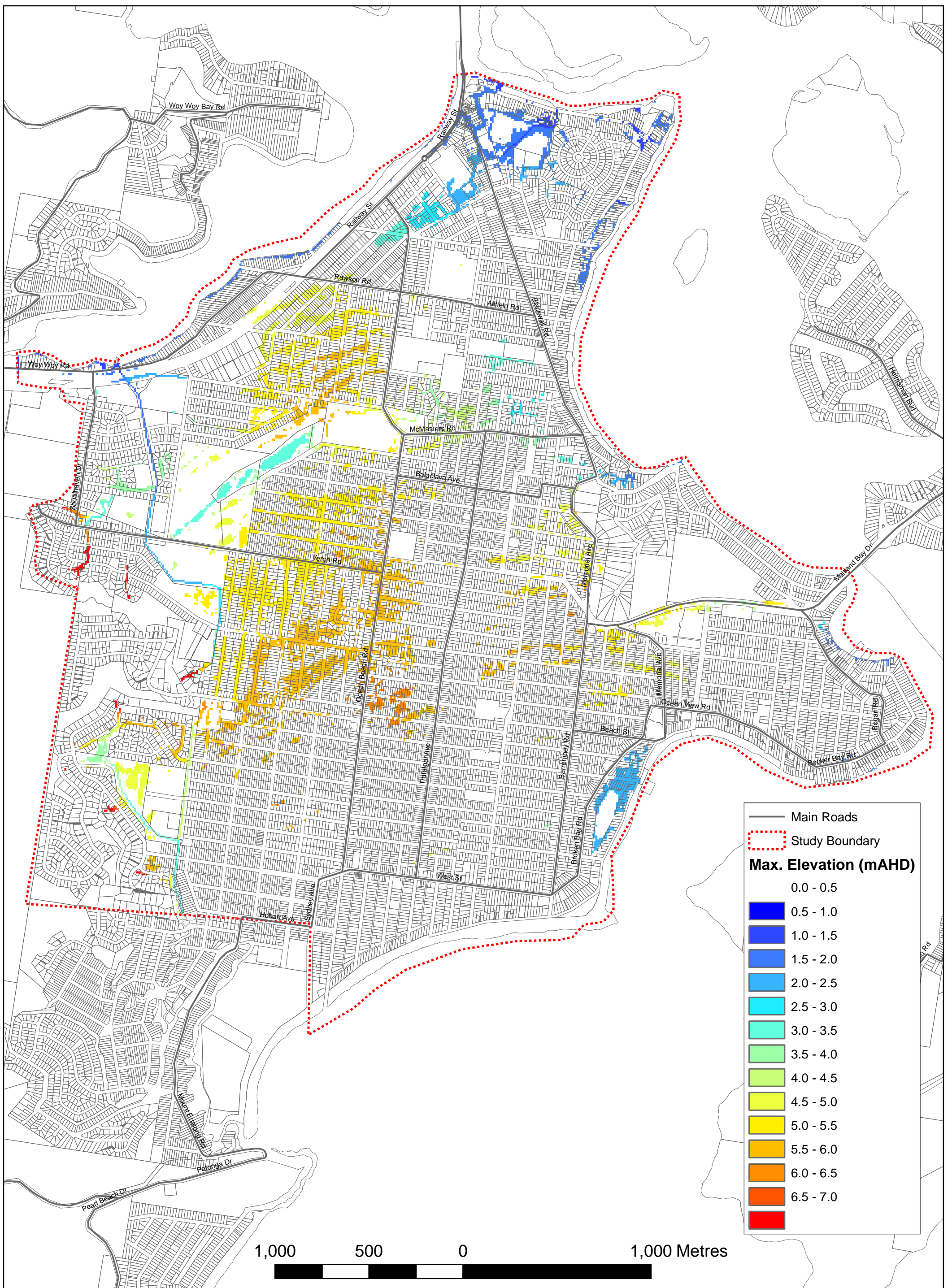


Figure 19 – Modelled Flood Elevation for 2yr ARI (50% AEP) with Existing Development.

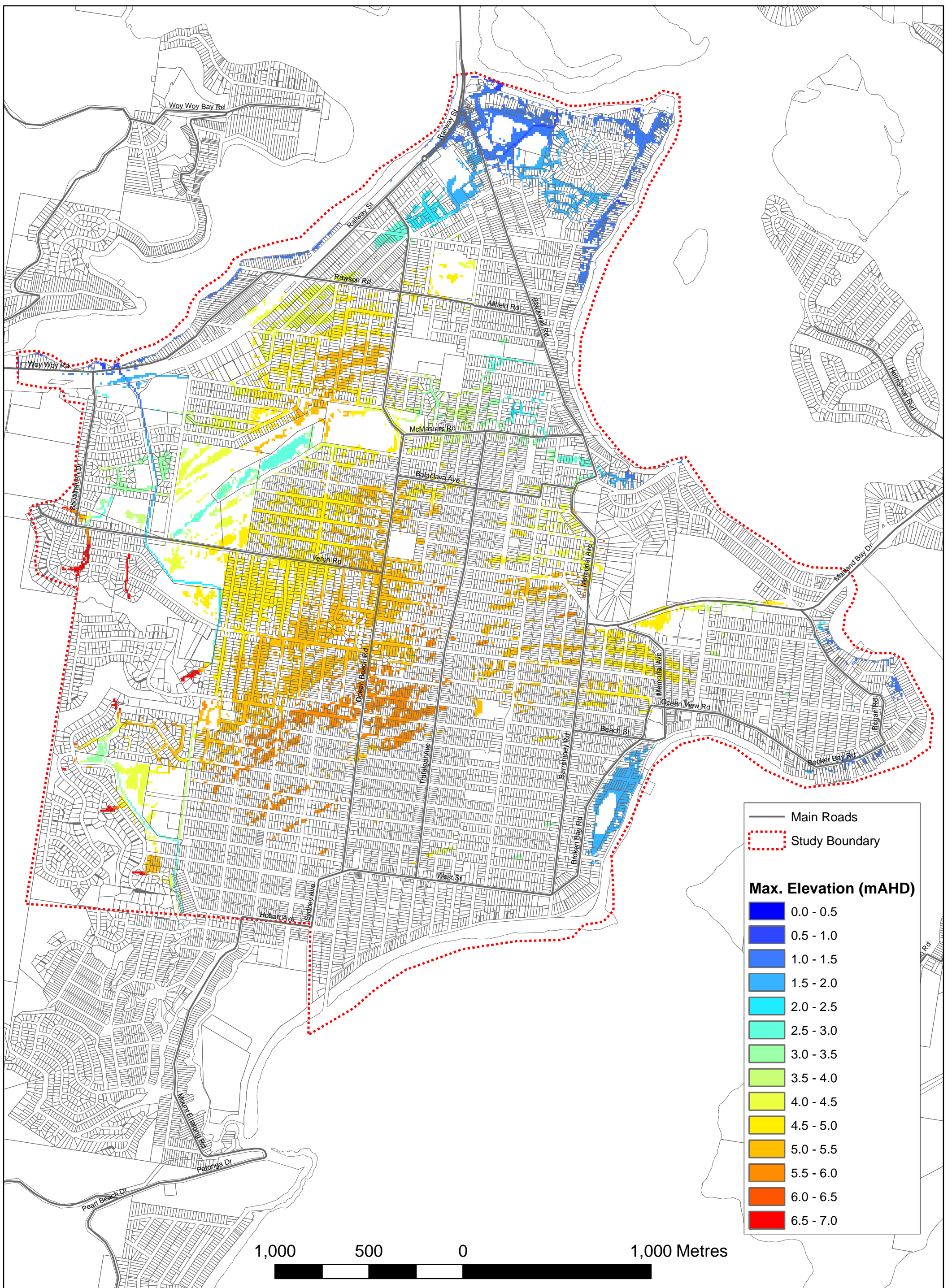


Figure 20 – Modelled Flood Elevation for 10yr ARI (10% AEP) with Existing Development.

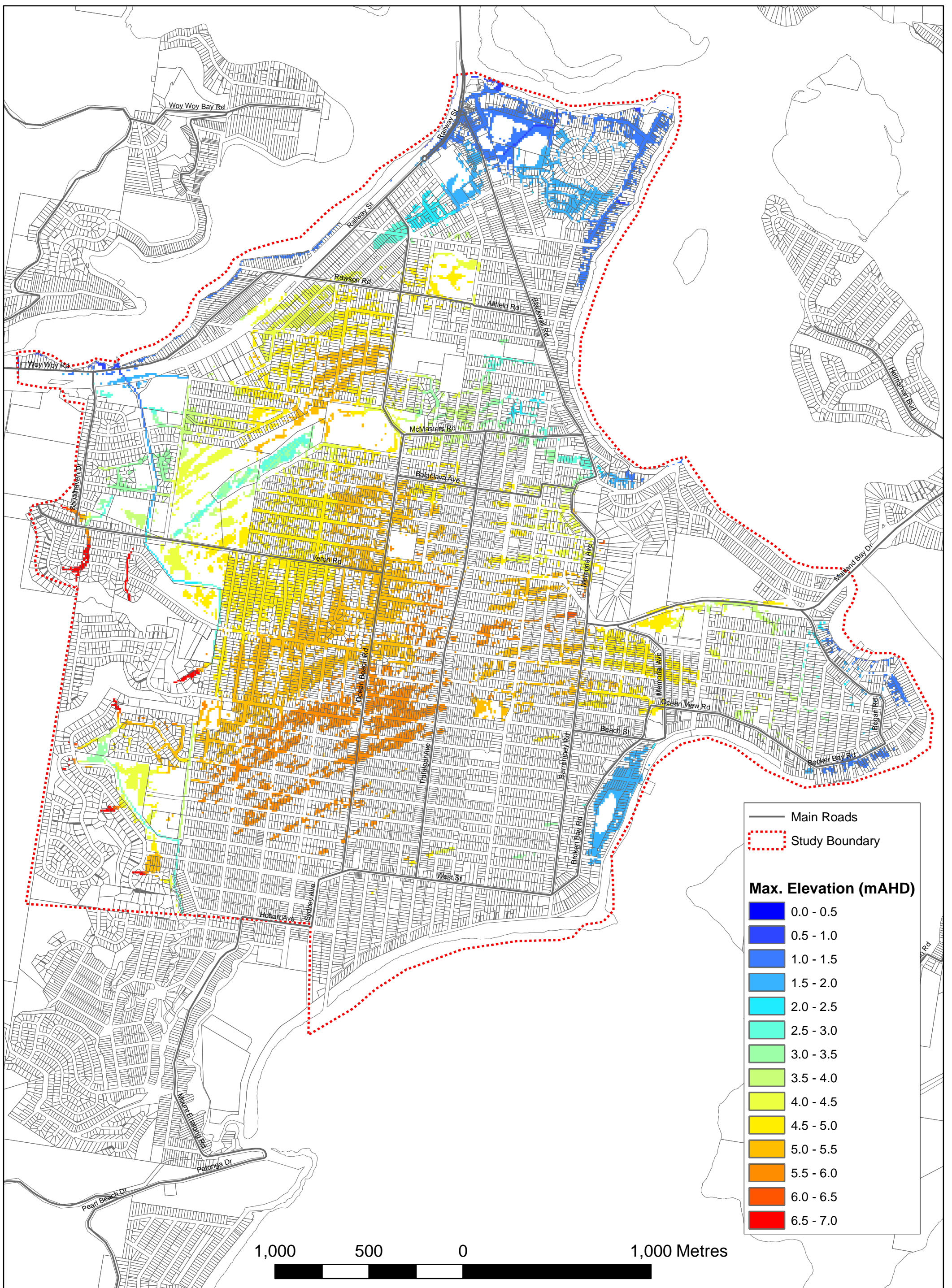


Figure 21 – Modelled Flood Elevation for 20yr ARI (5% AEP) with Existing Development.

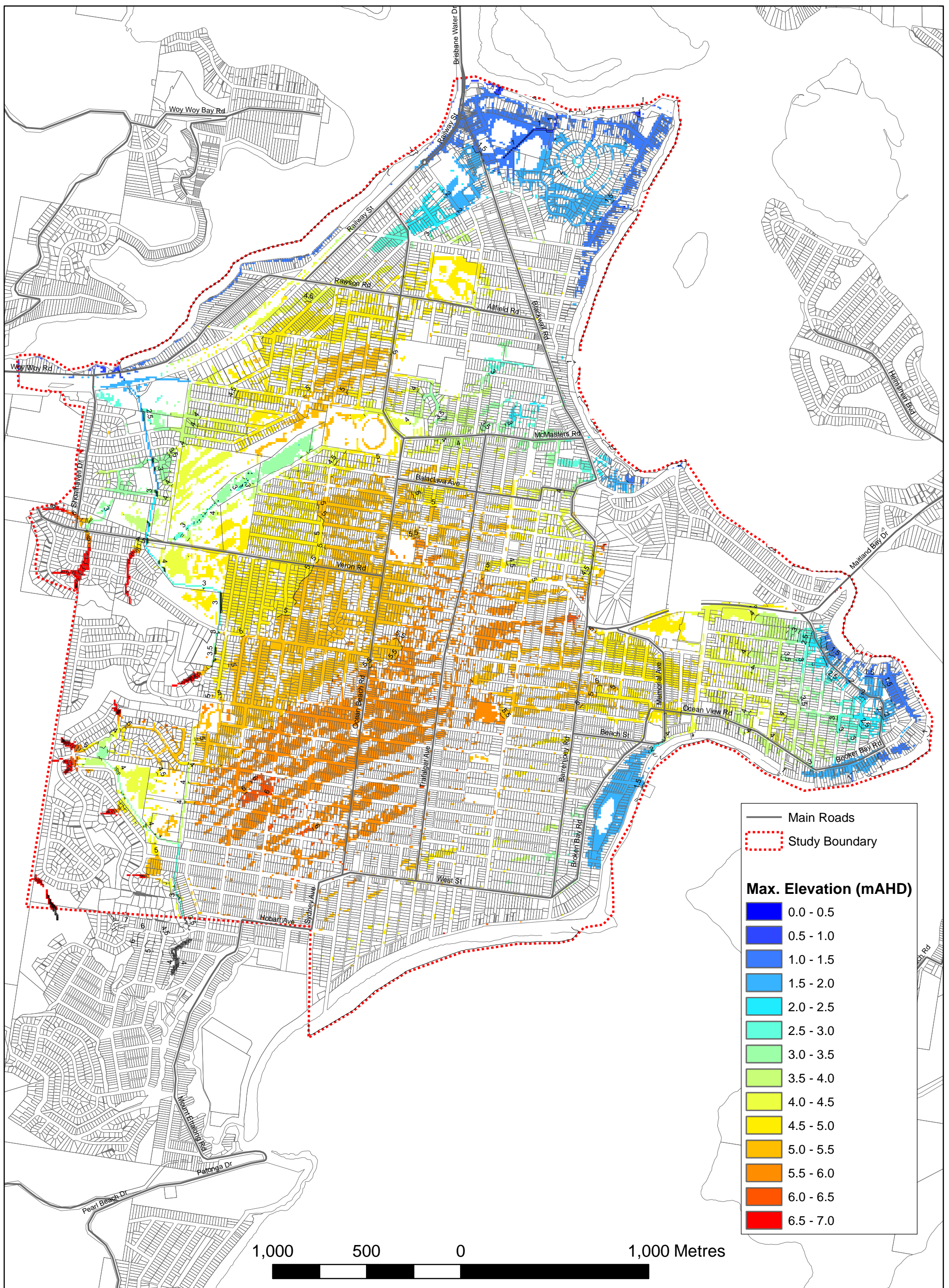


Figure 22 – Modelled Flood Elevation for 100yr ARI (1% AEP) with Existing Development.

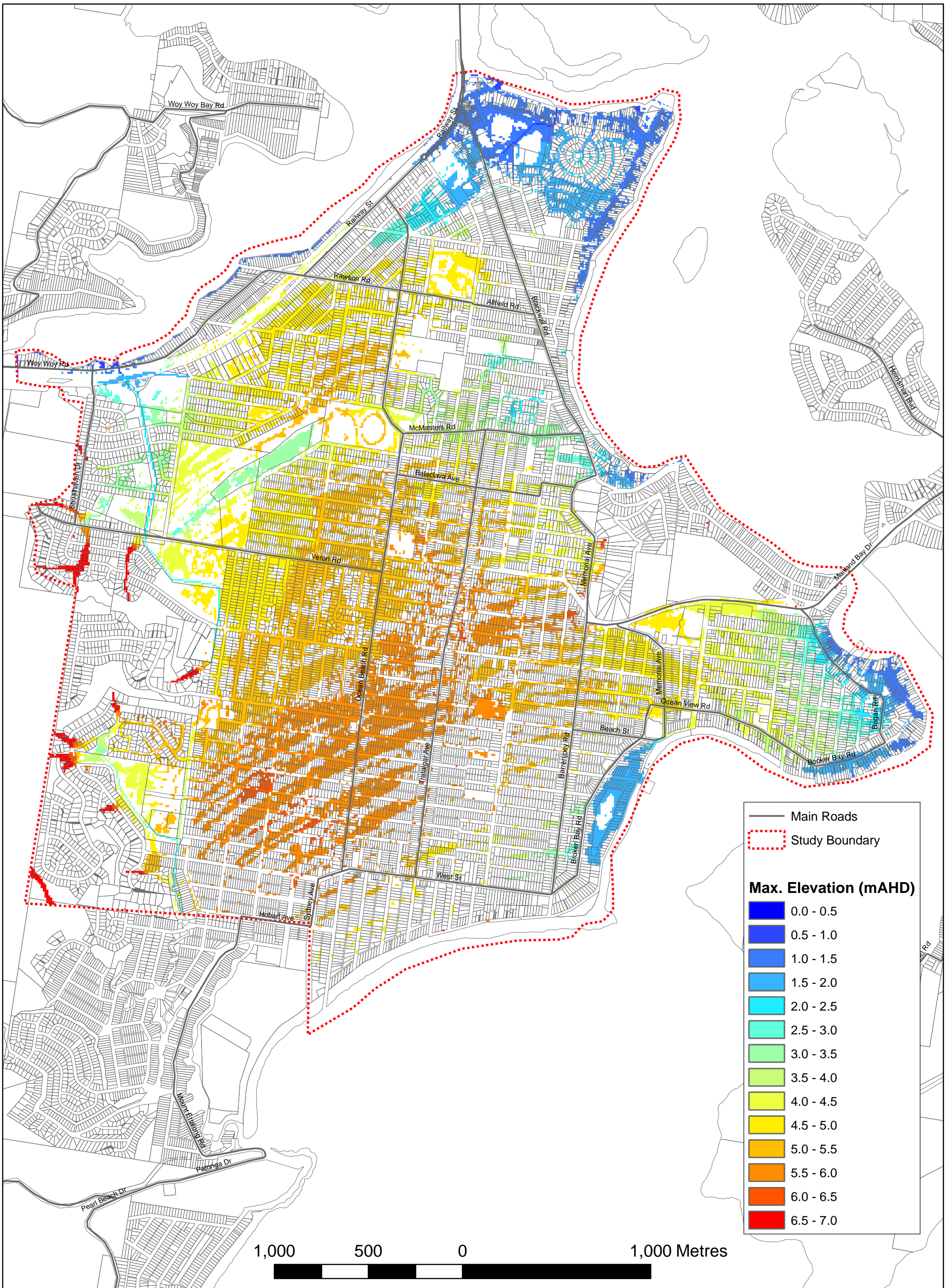


Figure 23 – Modelled Flood Elevation for 200yr ARI (0.5% AEP) with Existing Development.

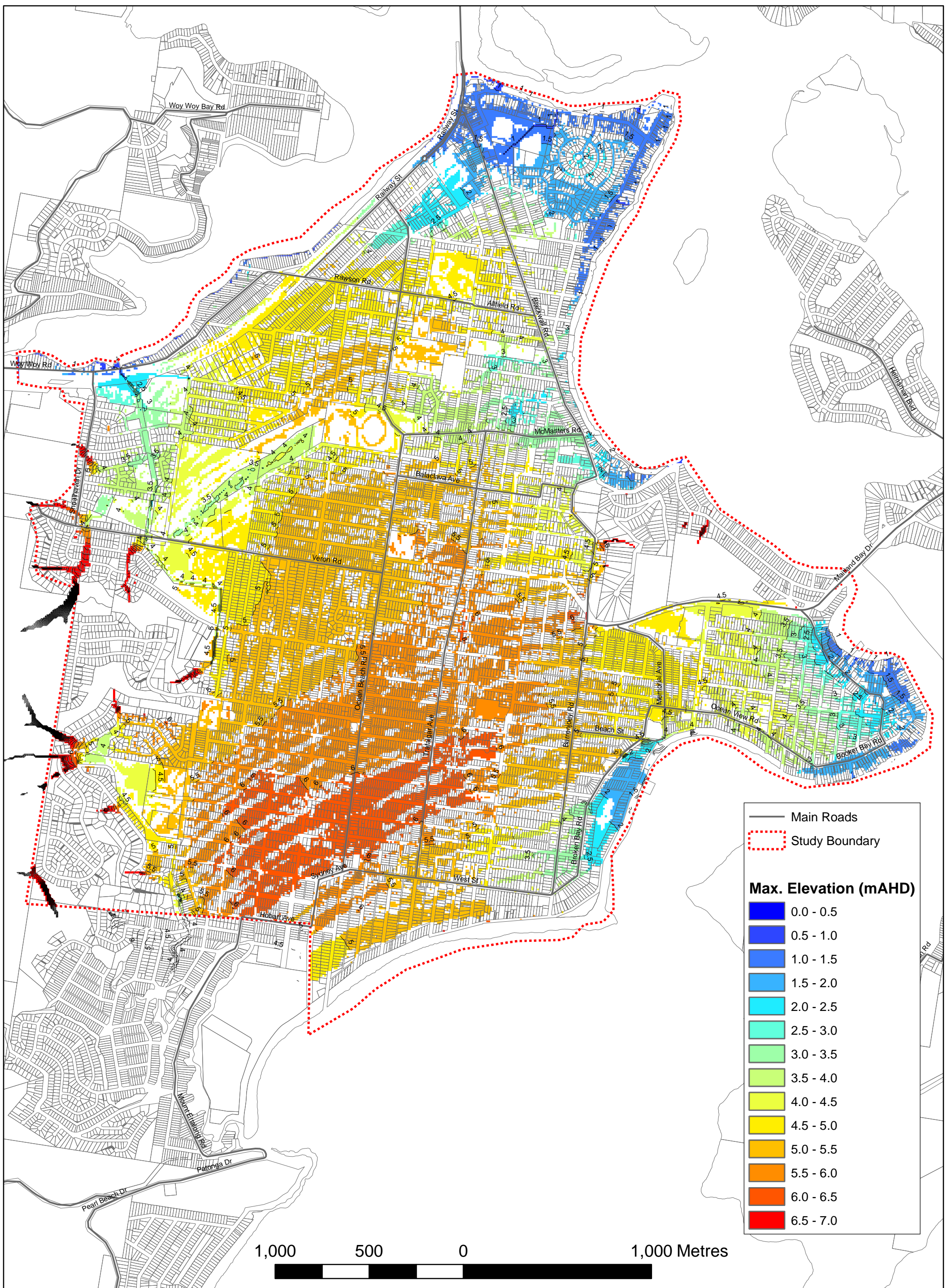


Figure 24 – Modelled Flood Elevation for PMP Event with Existing Development.

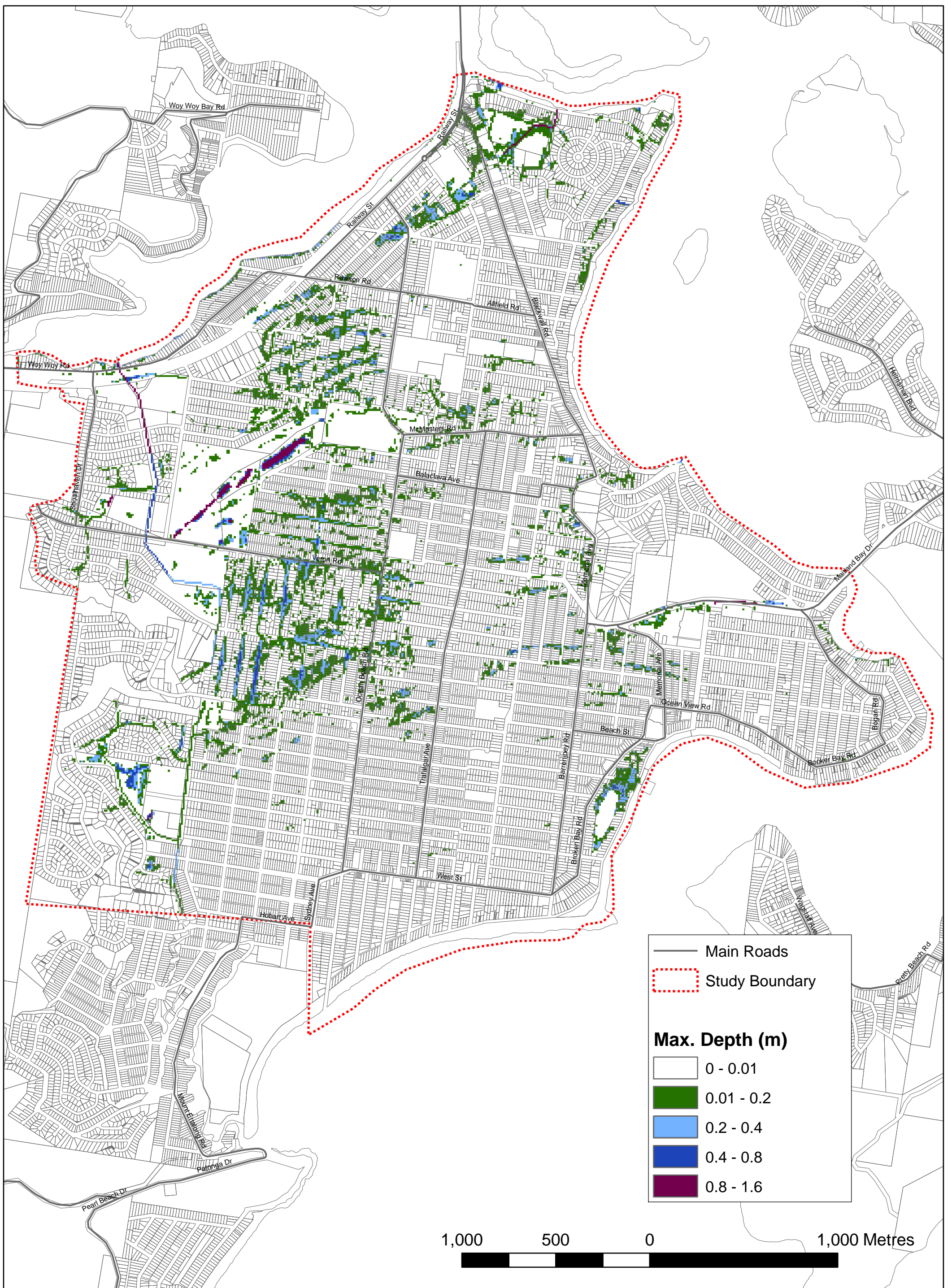


Figure 25 – Modelled Flood Depth for 2yr ARI (50% AEP) with Future Development.

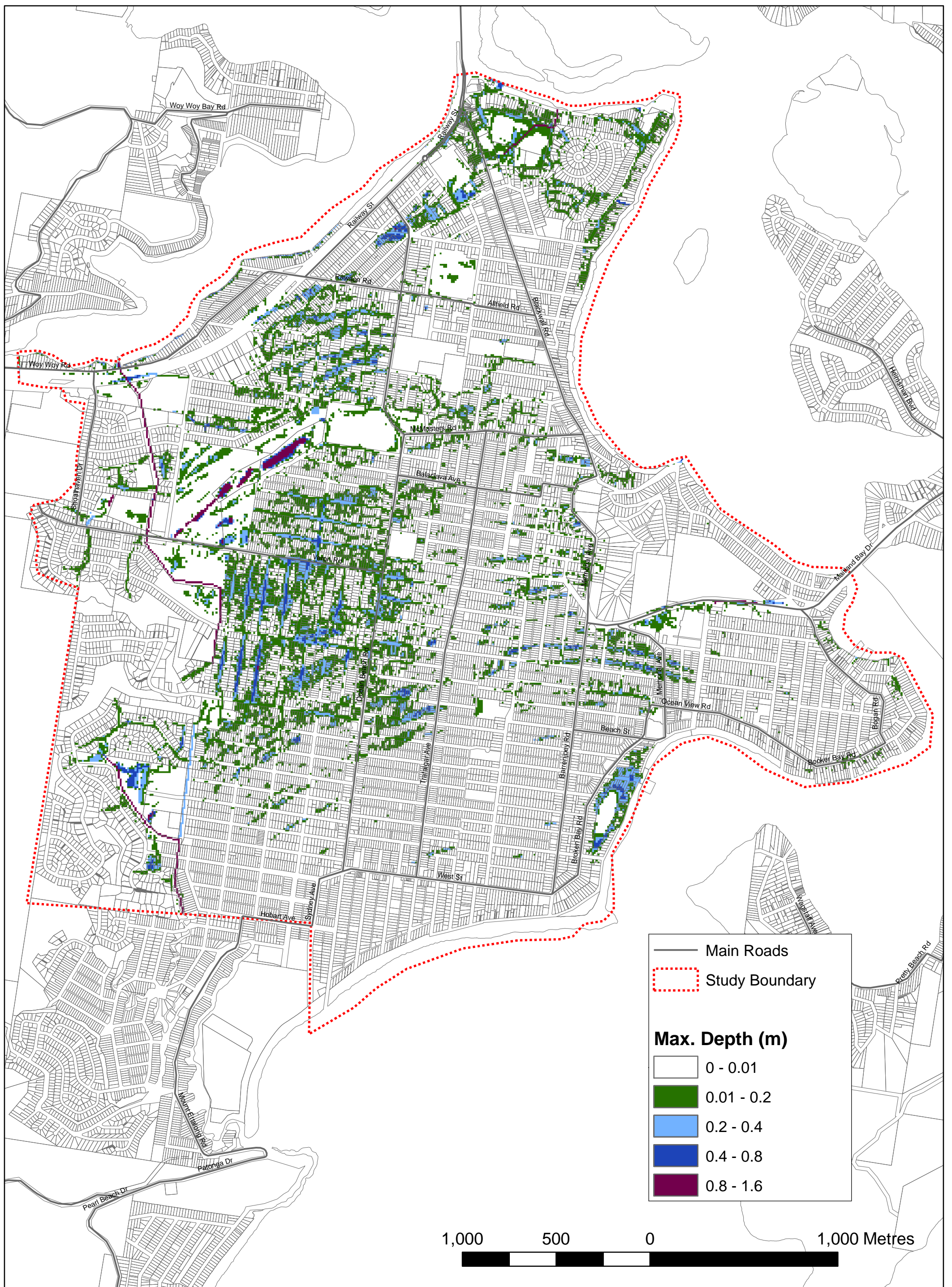


Figure 26 – Modelled Flood Depth for 10yr ARI (10% AEP) with Future Development.

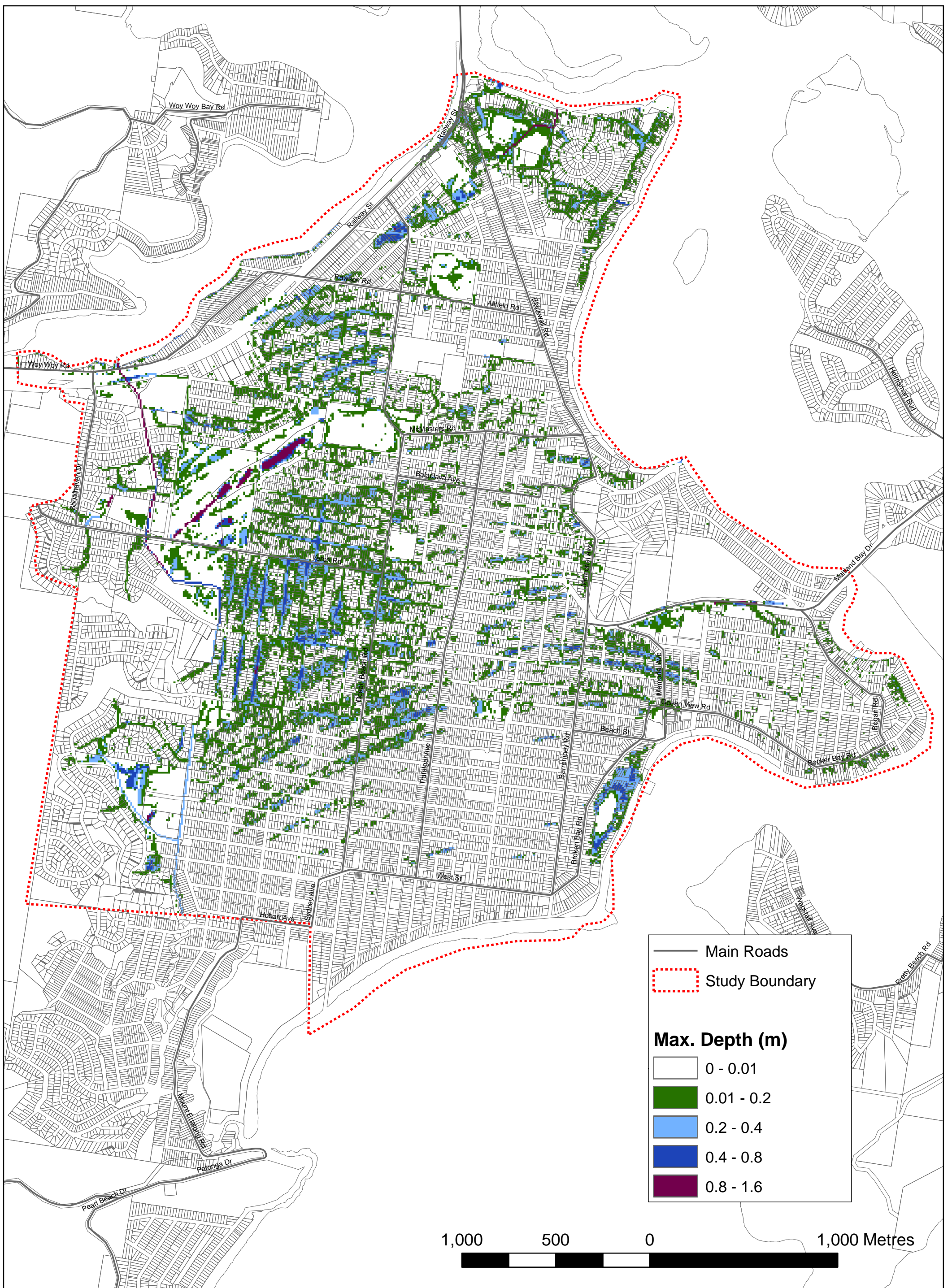


Figure 27 – Modelled Flood Depth for 20yr ARI (5% AEP) with Future Development.

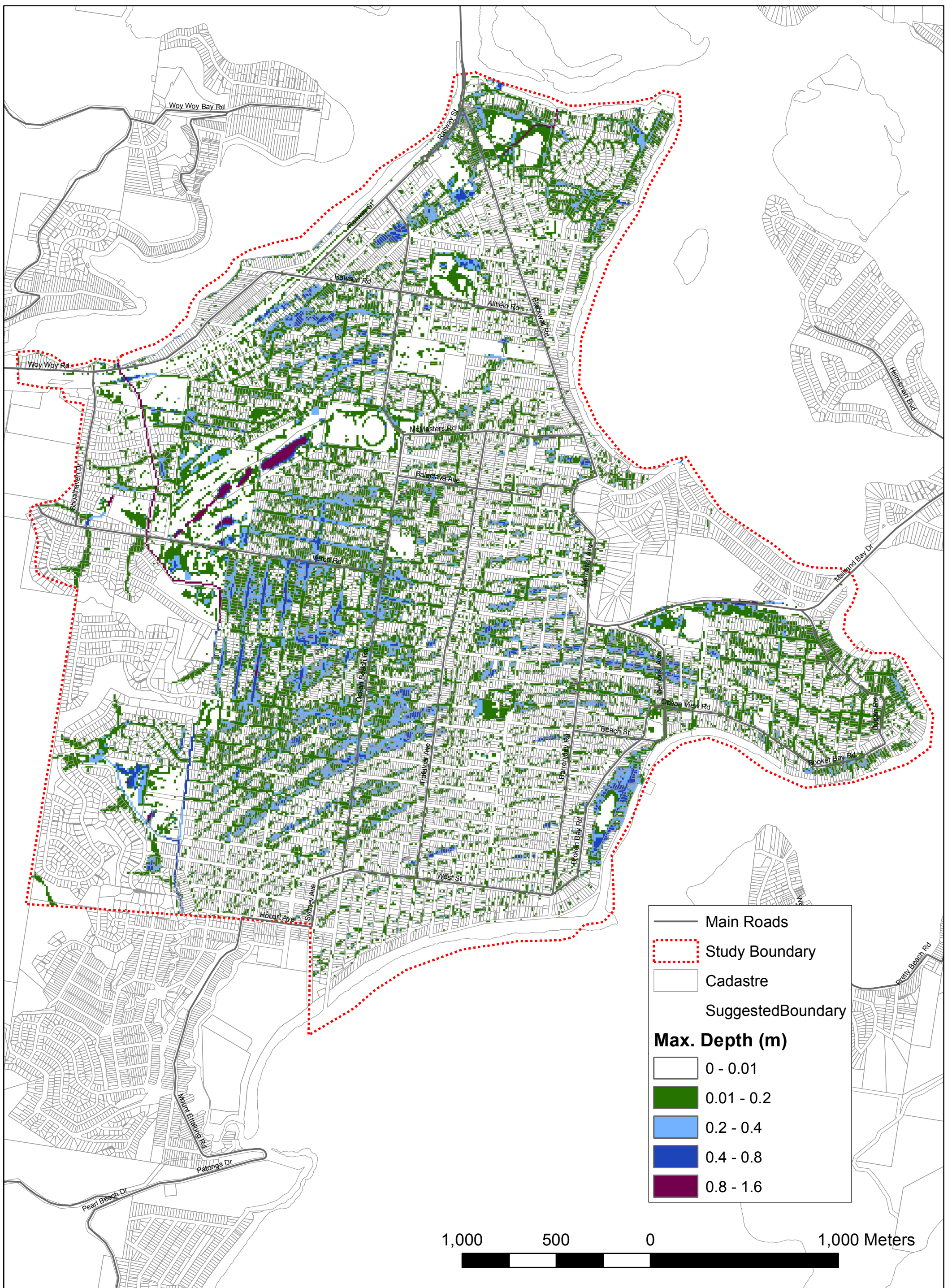


Figure 28 – Modelled Flood Depth for 100yr ARI (1% AEP) with Future Development.

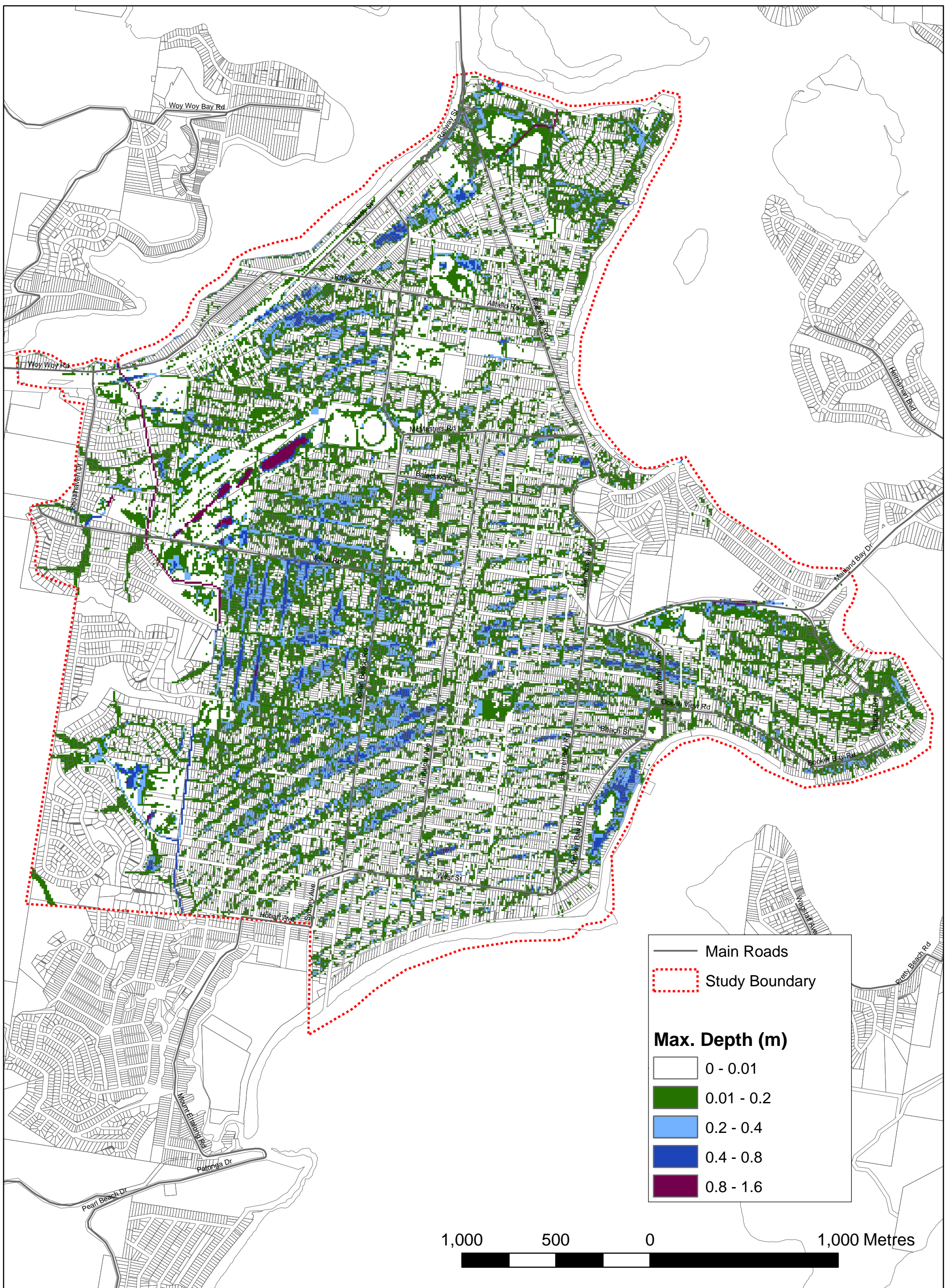


Figure 29 – Modelled Flood Depth for 200yr ARI (0.5% AEP) with Future Development.

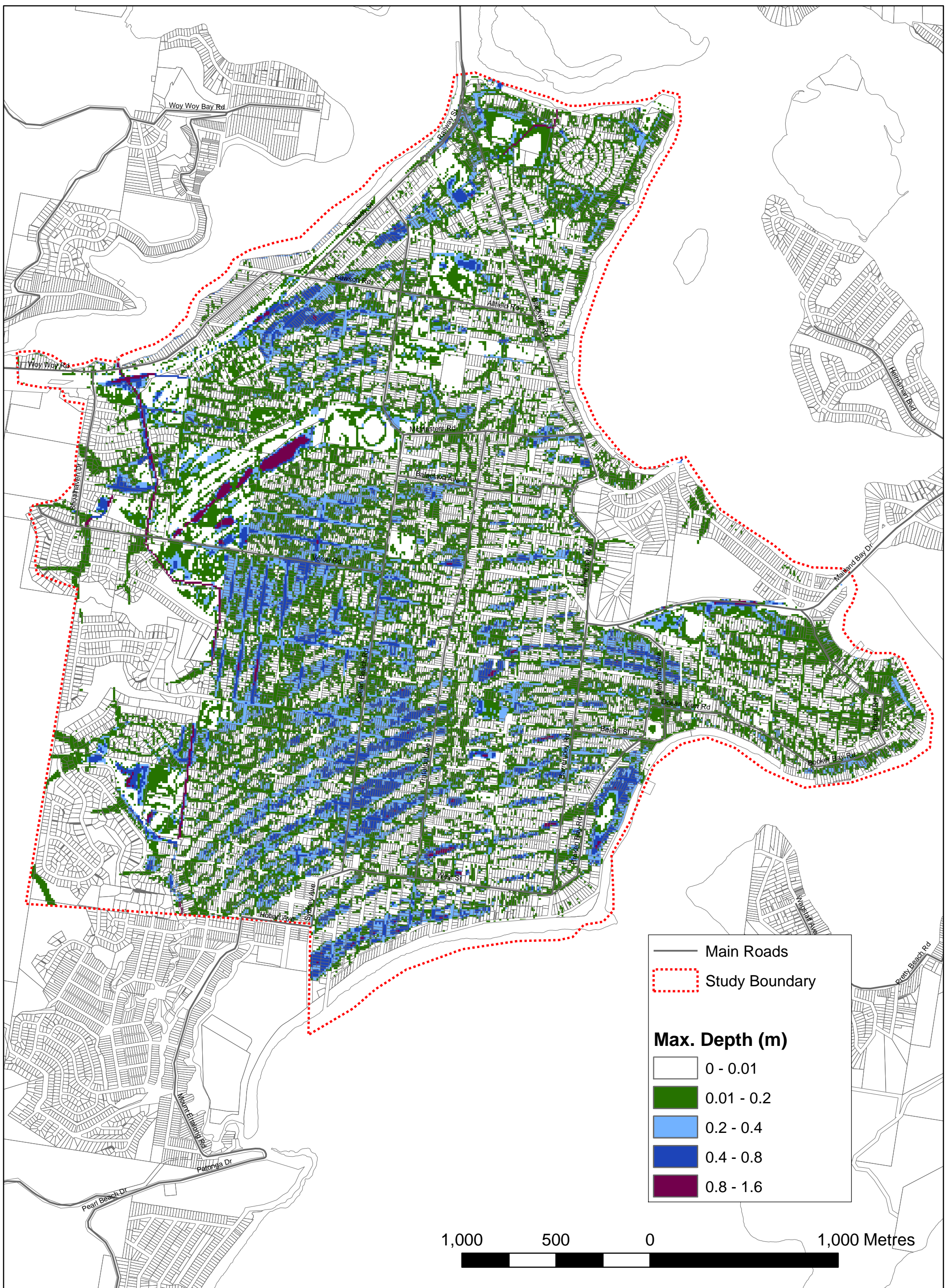


Figure 30 – Modelled Flood Depth for PMP Event with Future Development.

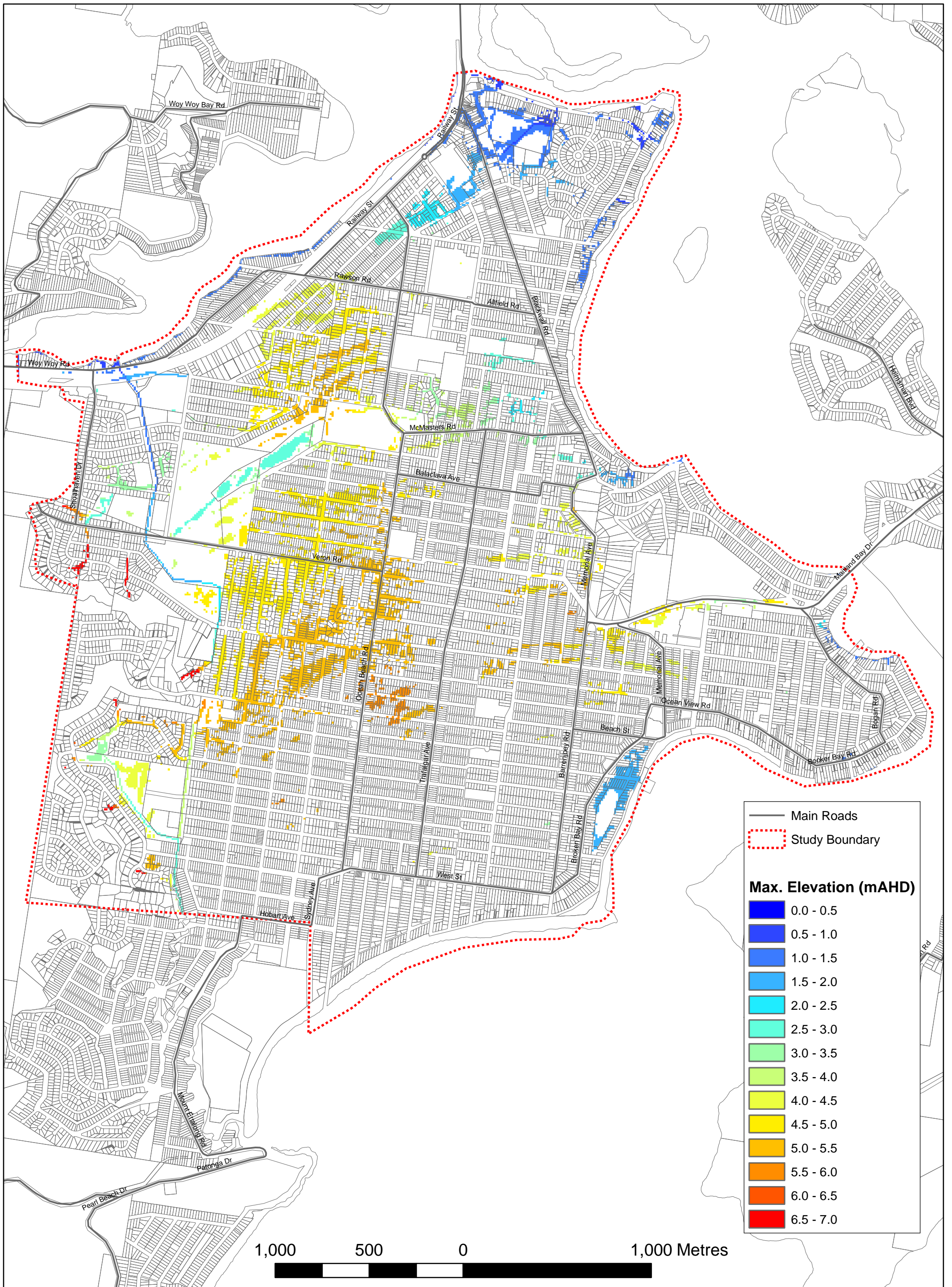


Figure 31 – Modelled Flood Elevation for 2yr ARI (50% AEP) with Future Development.

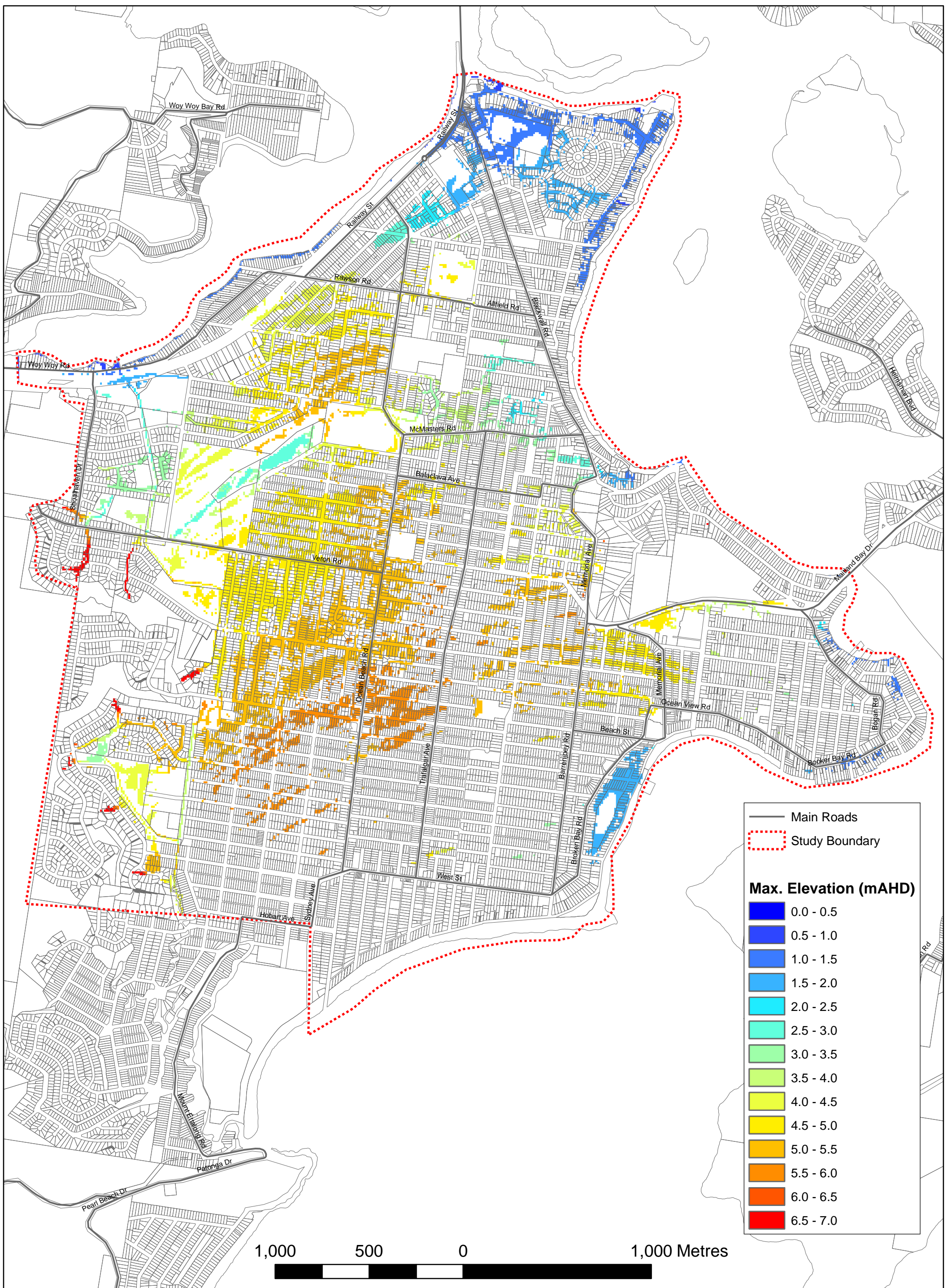


Figure 32 – Modelled Flood Elevation for 10yr ARI (10% AEP) with Future Development.

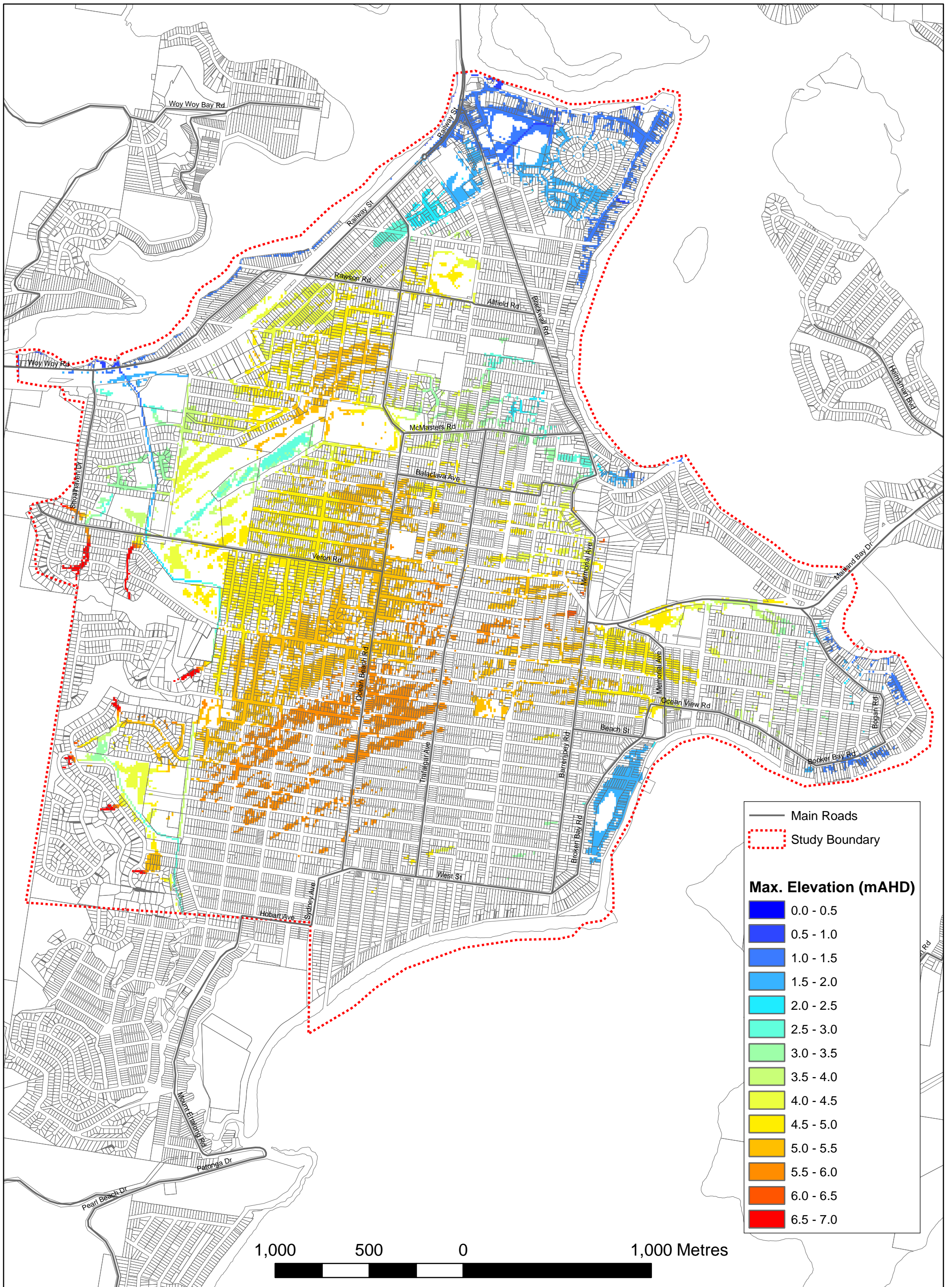


Figure 33 – Modelled Flood Elevation for 20yr ARI (5% AEP) with Future Development.

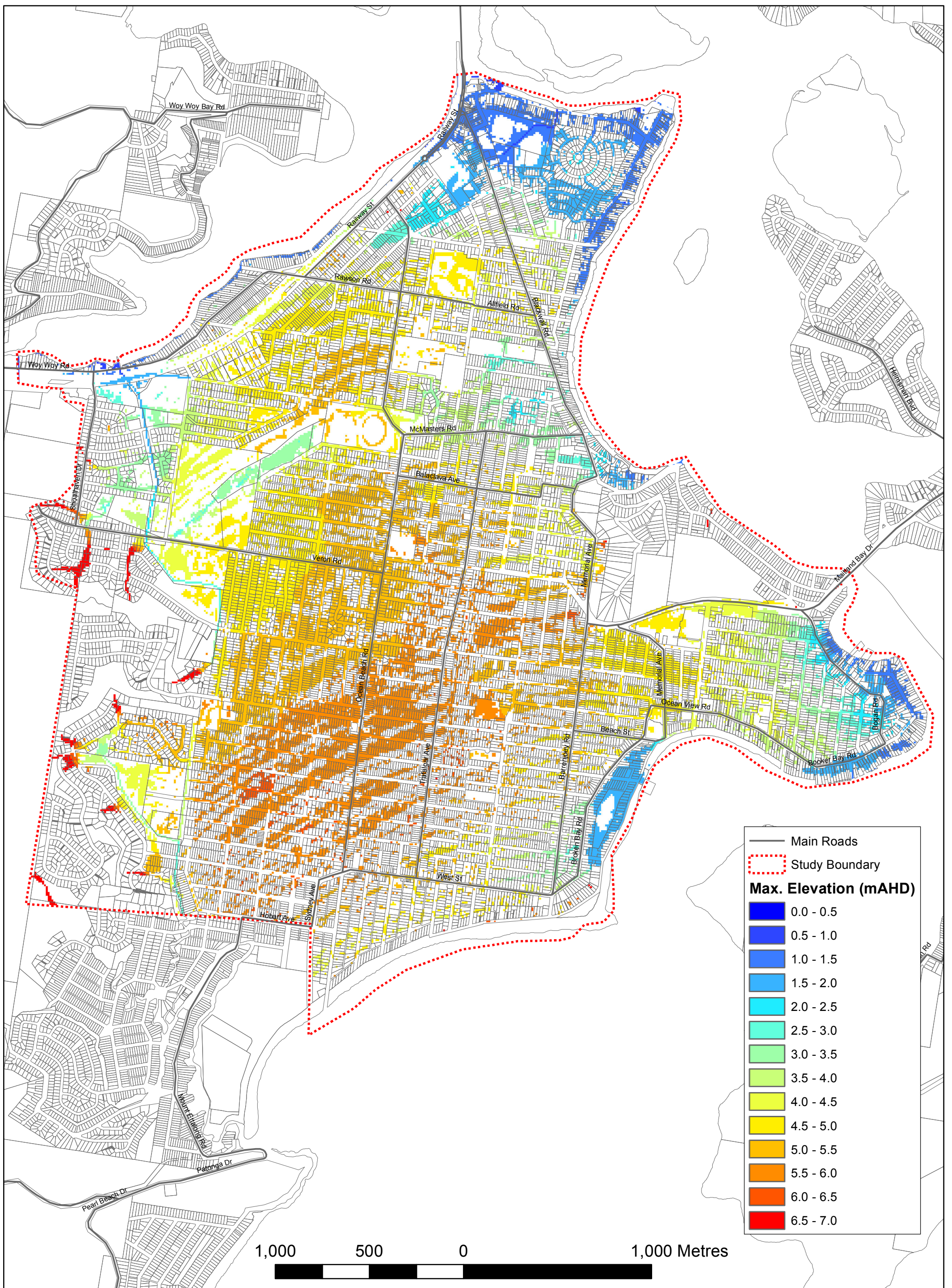


Figure 34 – Modelled Flood Elevation for 100yr ARI (1% AEP) with Future Development.

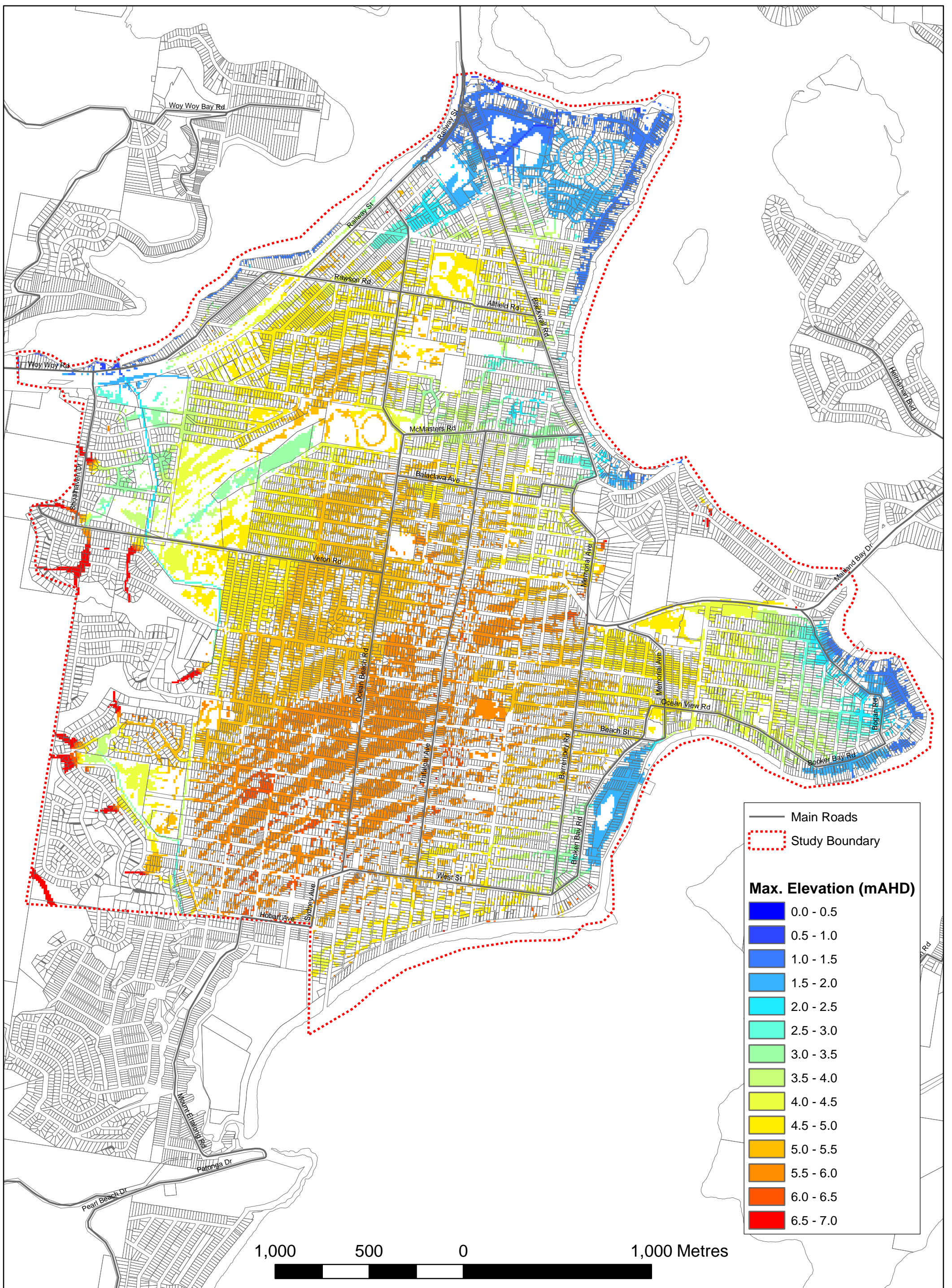


Figure 35 – Modelled Flood Elevation for 200yr ARI (0.5% AEP) with Future Development.

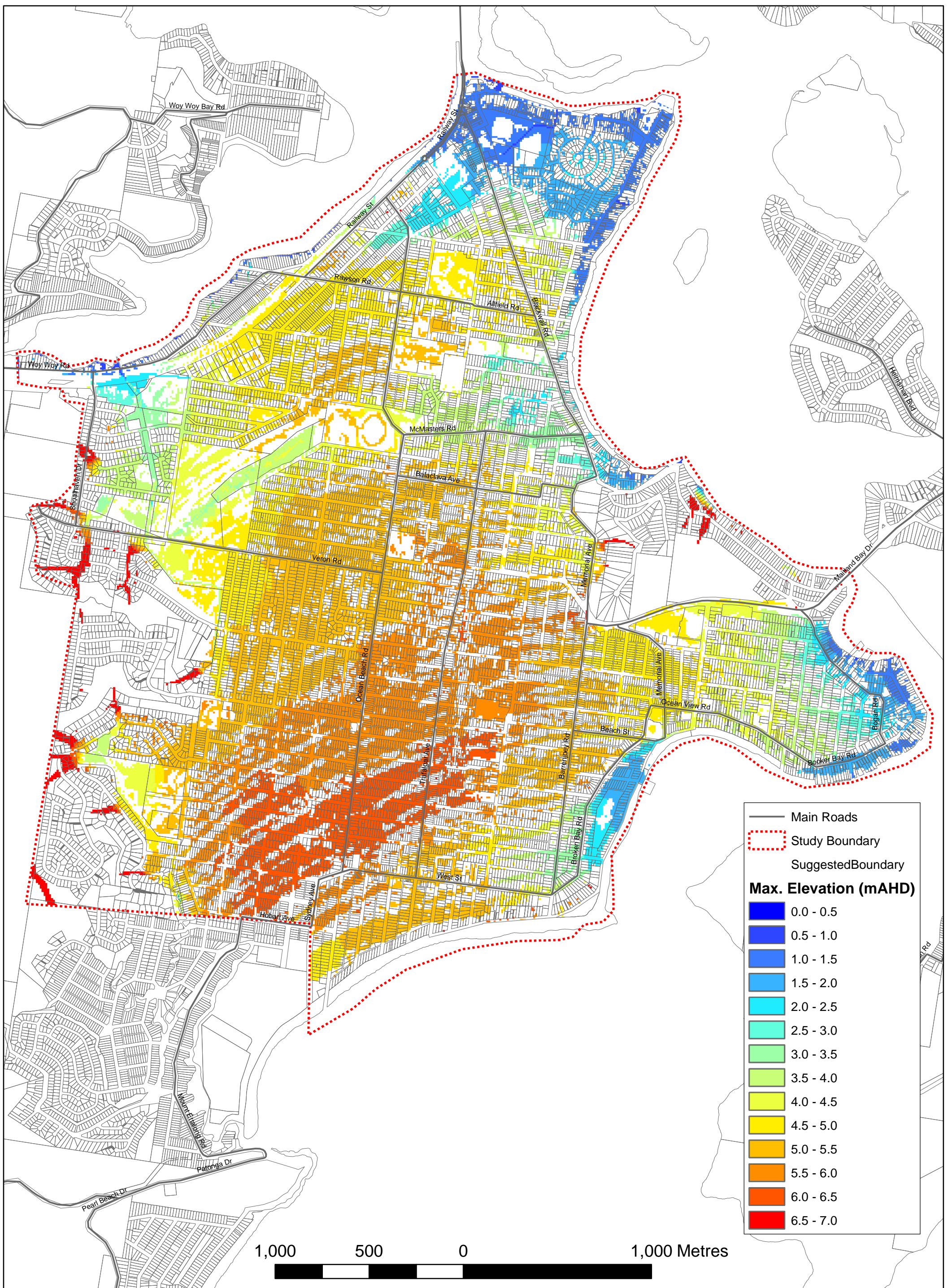


Figure 36 – Modelled Flood Elevation for PMP Event with Future Development.

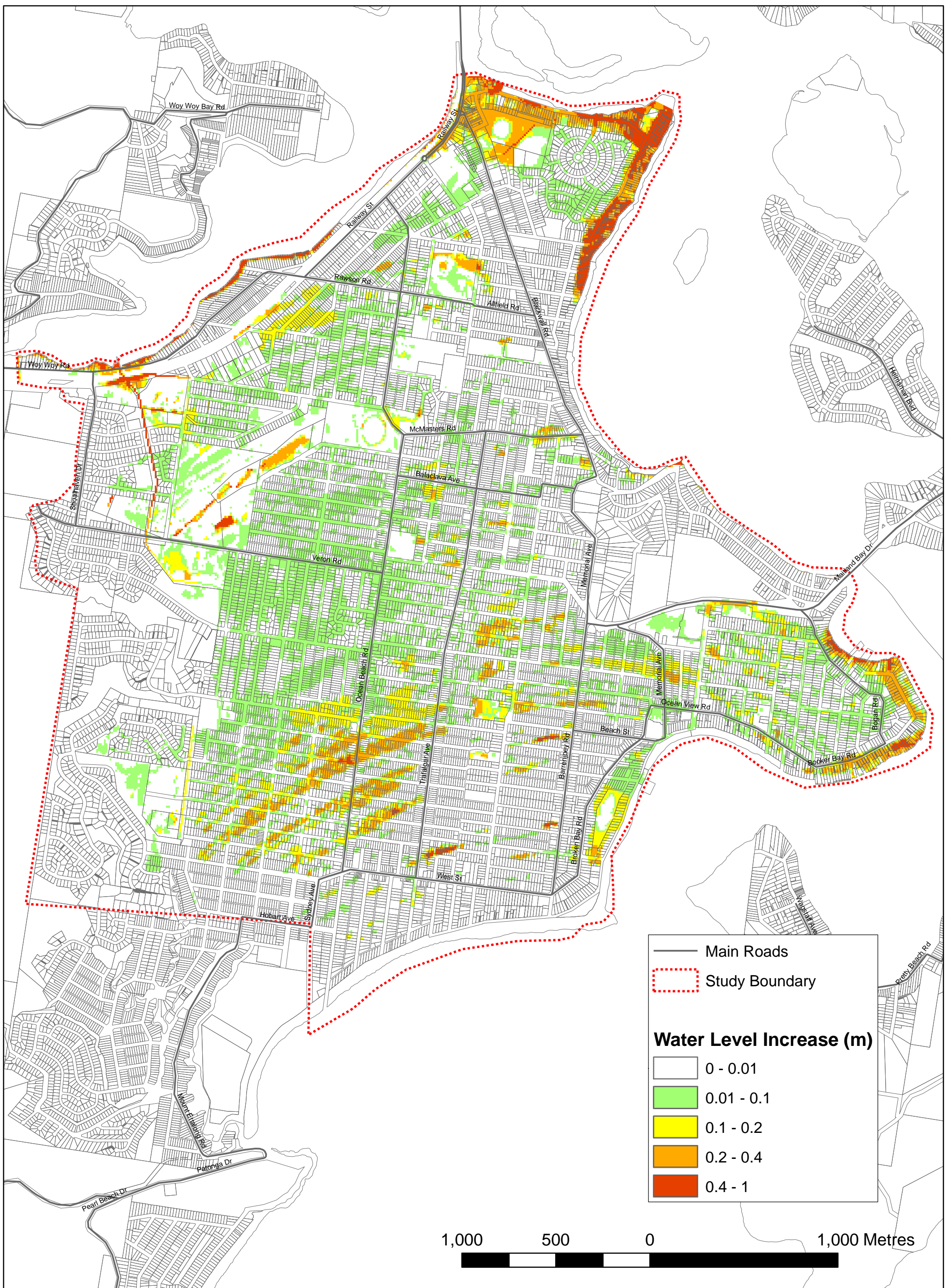


Figure 37 – Modelled Water Depth Change for Low Sea Level Rise for 100yr ARI (1% AEP) with Future Development.

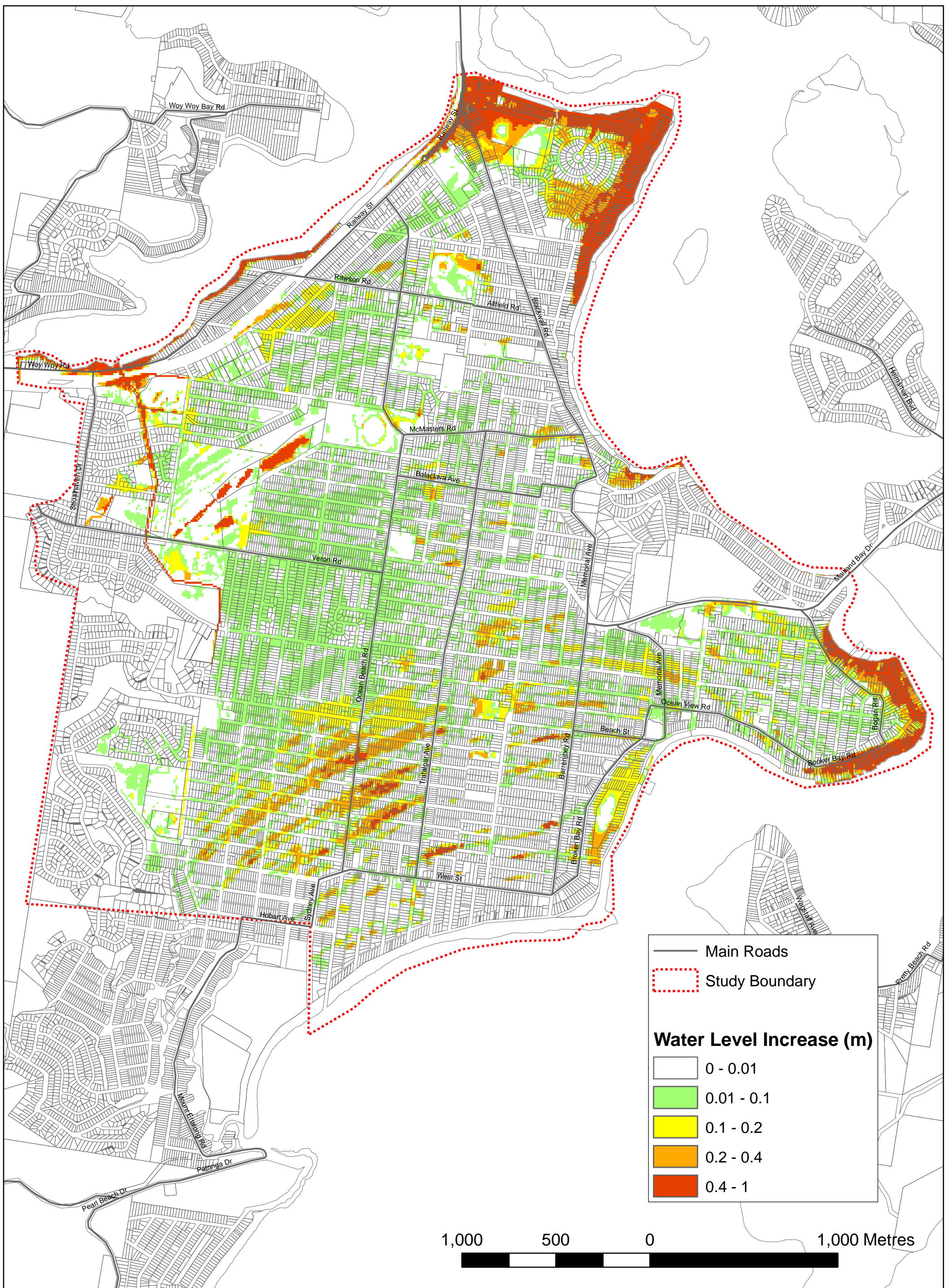


Figure 38 – Modelled Water Depth Change for High Sea Level Rise for 100yr ARI (1% AEP) with Future Development.

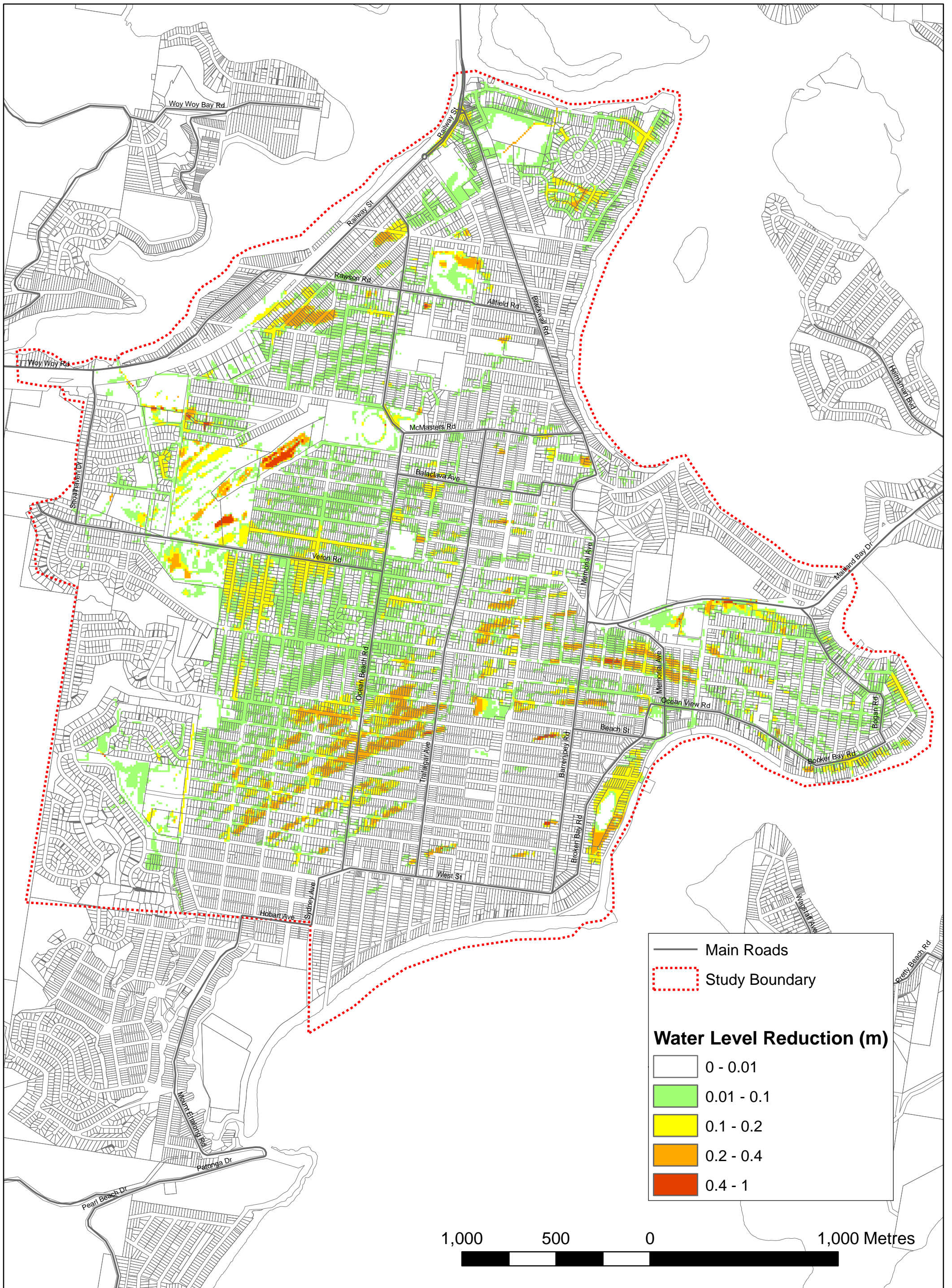


Figure 39 – Modelled Water Depth Change for Low Antecedent Groundwater Levels for 100yr ARI (1% AEP) with Future Development.

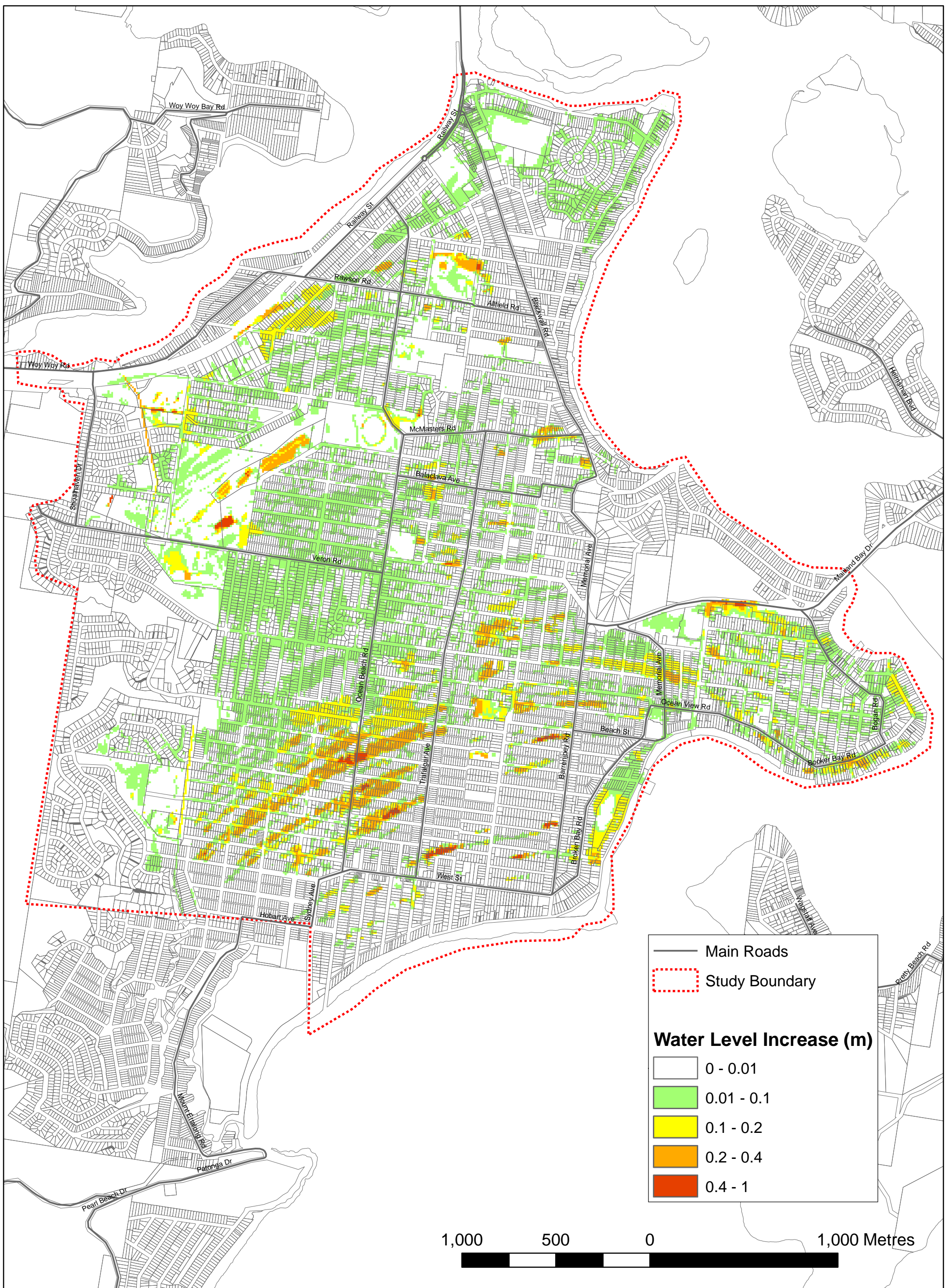


Figure 40 – Modelled Water Depth Change for High Antecedent Groundwater Levels for 100yr ARI (1% AEP) with Future Development.

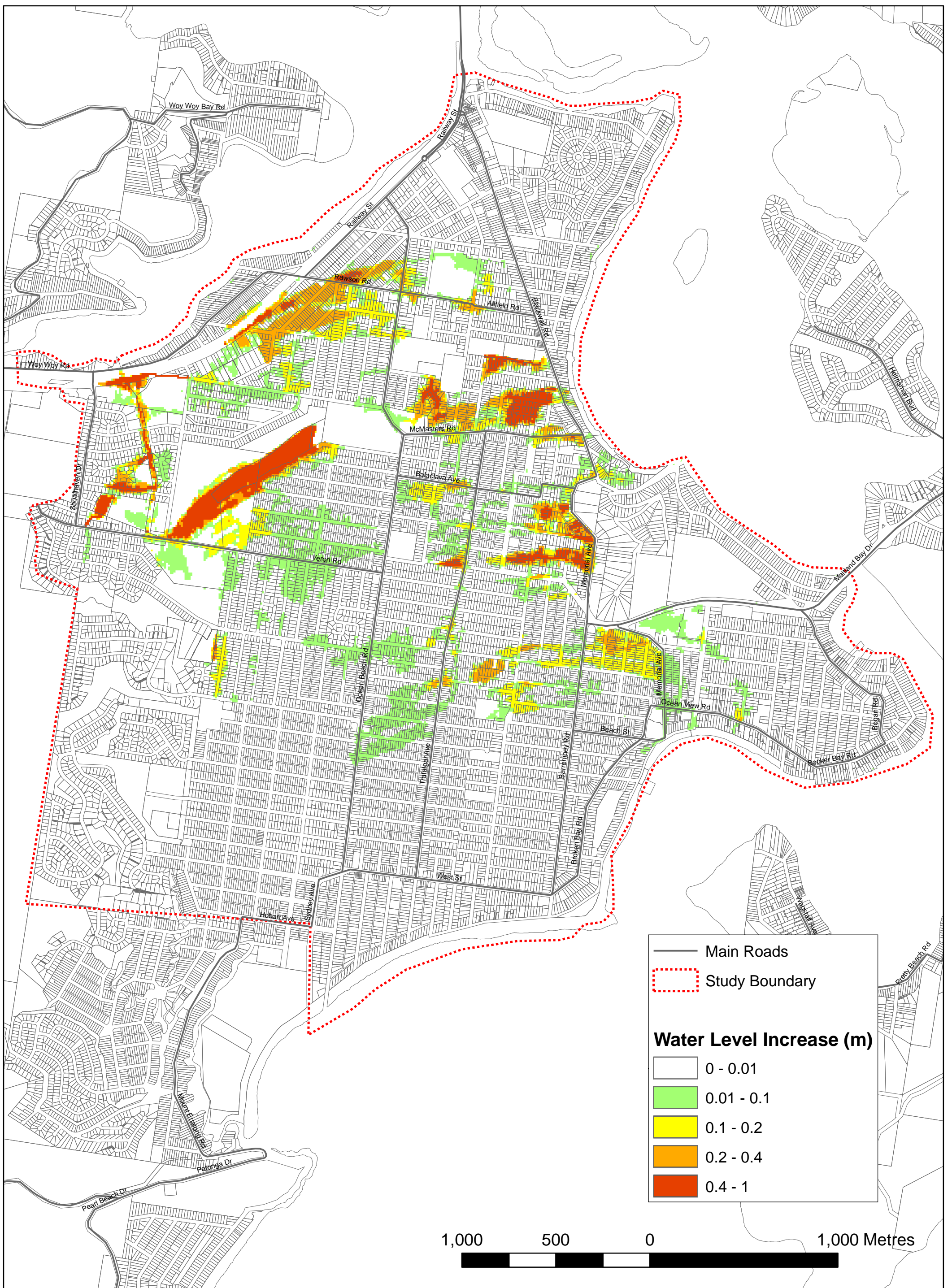


Figure 41 – Modelled Water Depth Change for Blocked Stormwater Network for 100yr ARI (1% AEP) with Future Development.

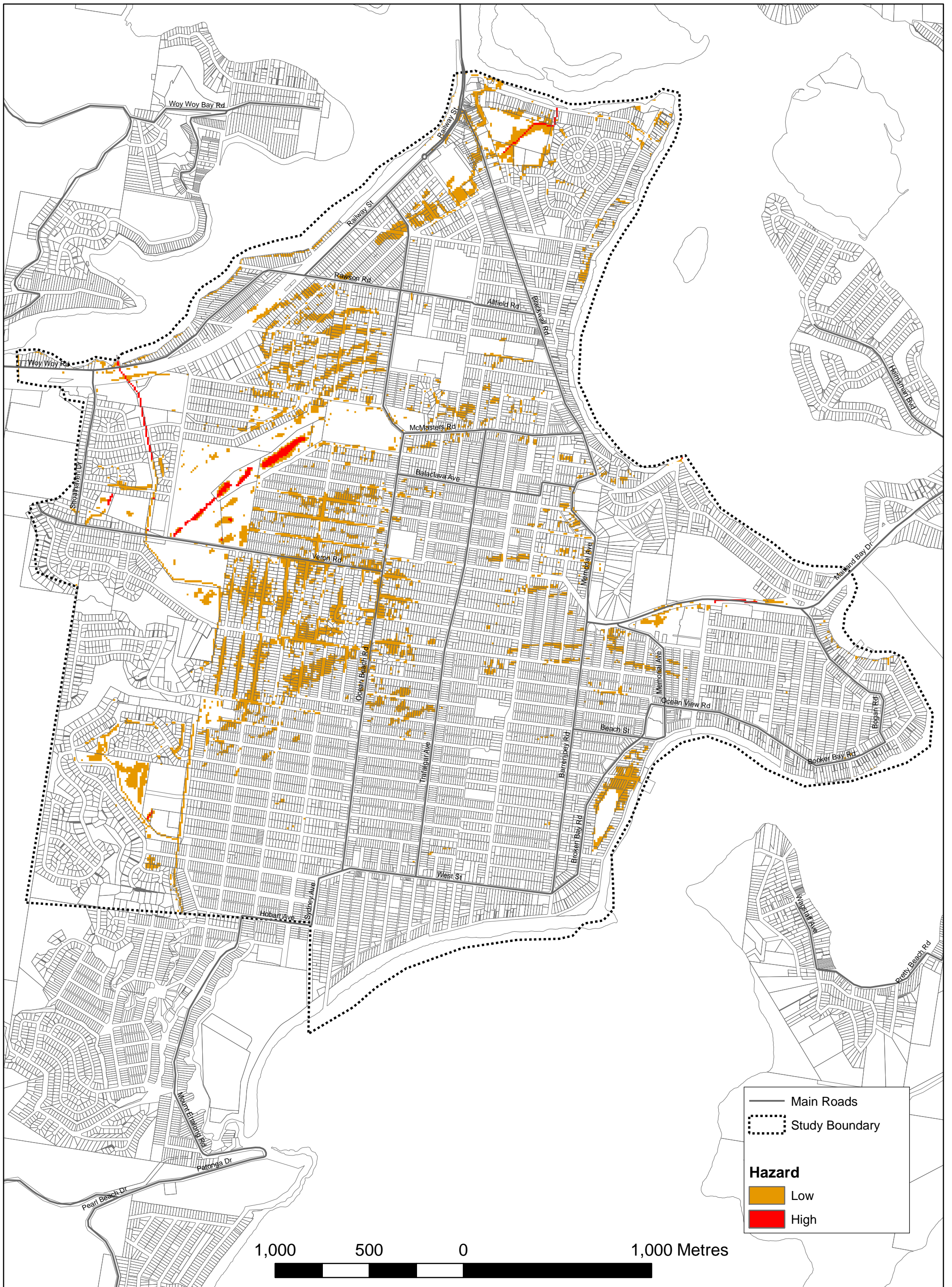


Figure 42 – Modelled Flood Hazard for 2yr ARI (50% AEP) with Future Development.

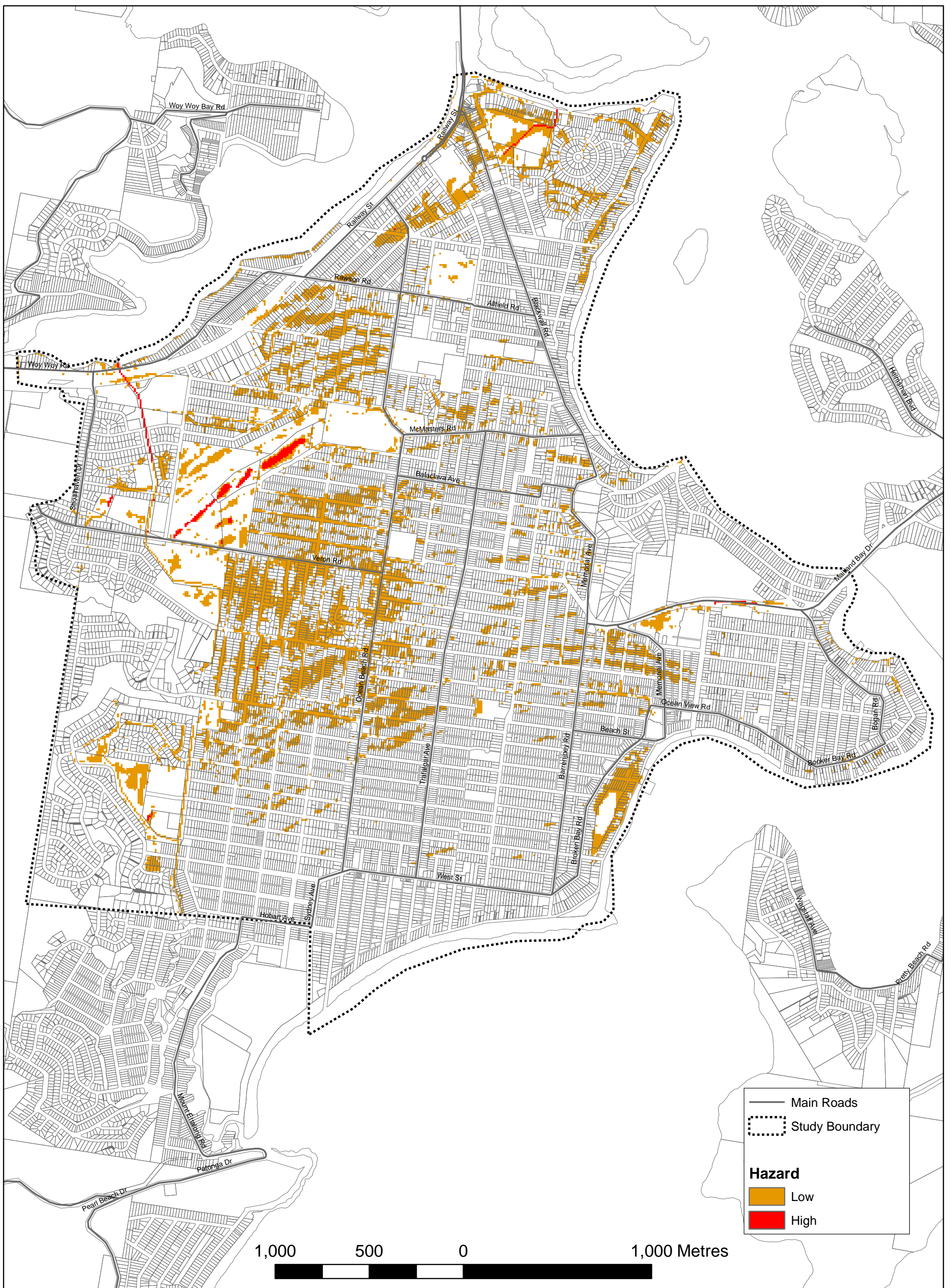


Figure 43 – Modelled Flood Hazard for 10yr ARI (10% AEP) with Future Development.

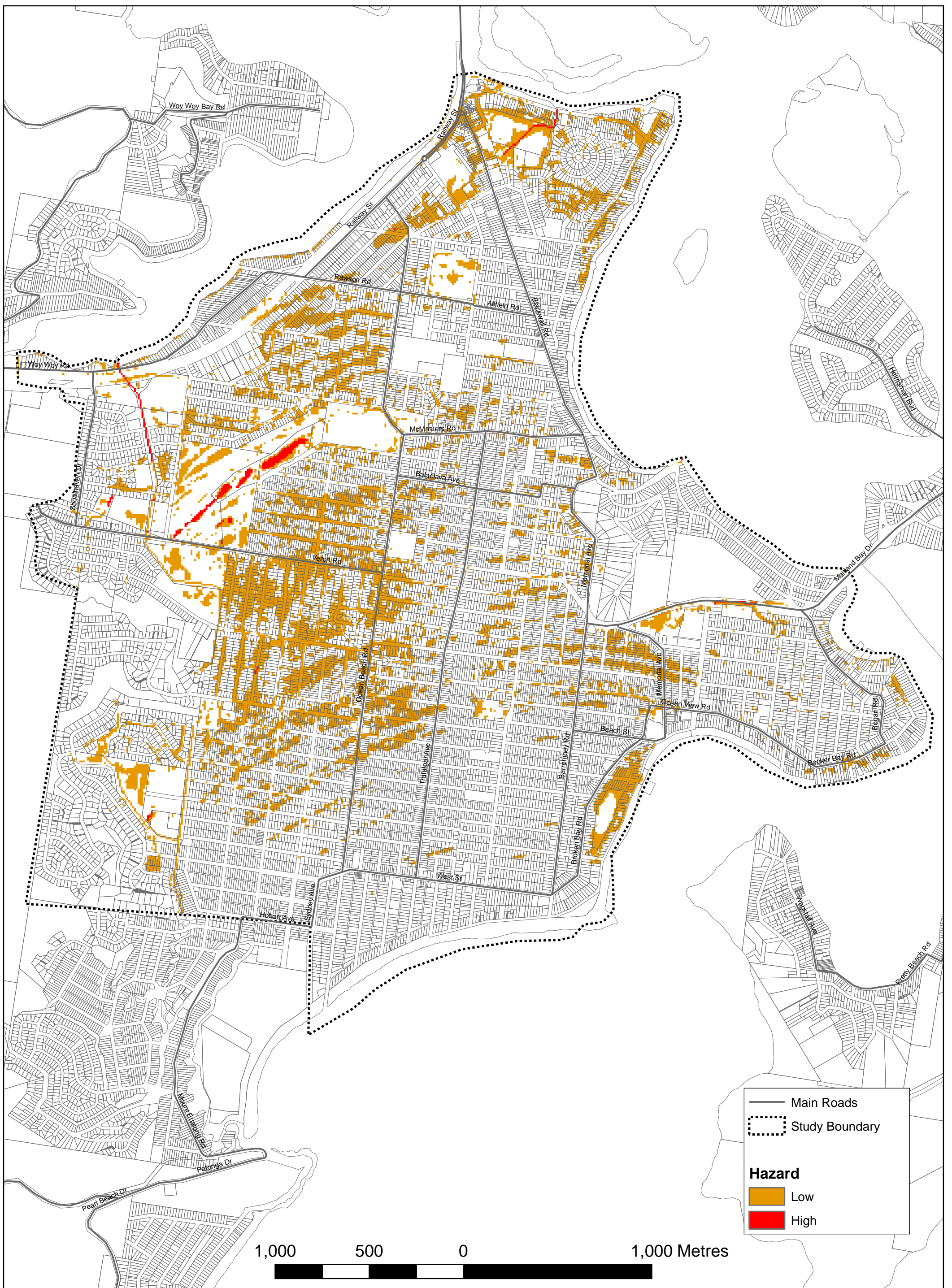


Figure 44 – Modelled Flood Hazard for 20yr ARI (5% AEP) with Future Development.

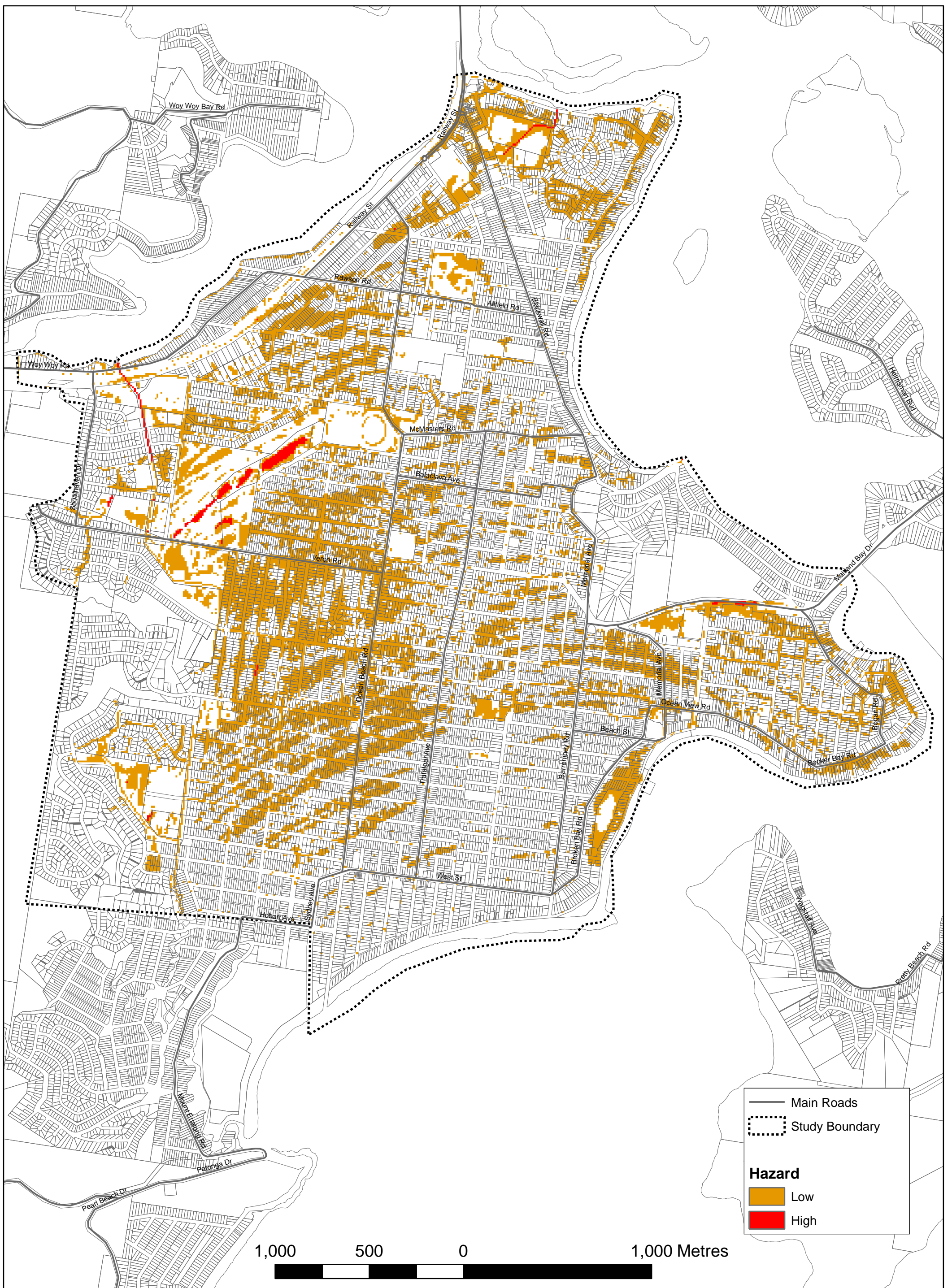


Figure 45 – Modelled Flood Hazard for 100yr ARI (1% AEP) with Future Development.

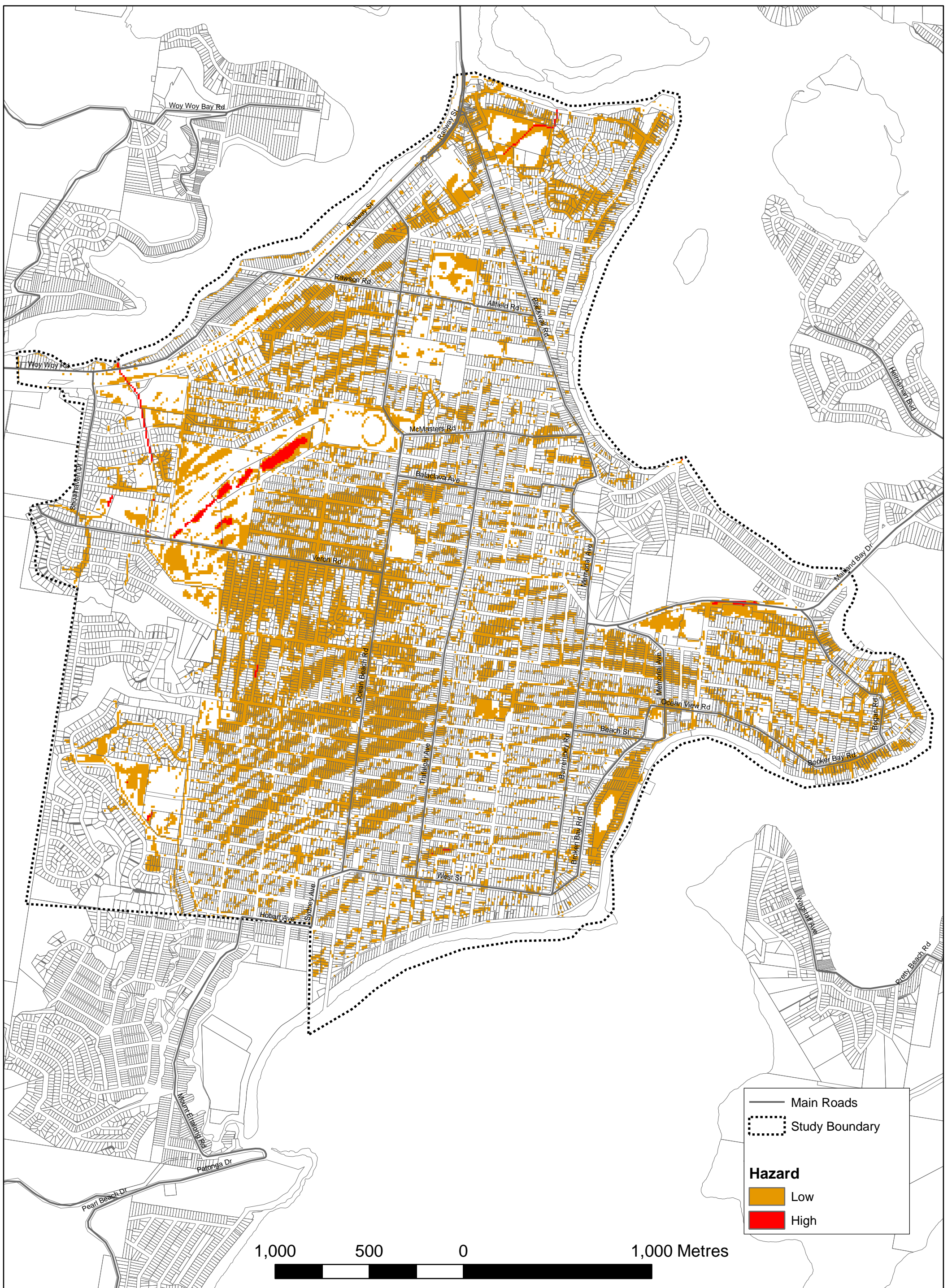


Figure 46 – Modelled Flood Hazard for 200yr ARI (0.5% AEP) with Future Development.

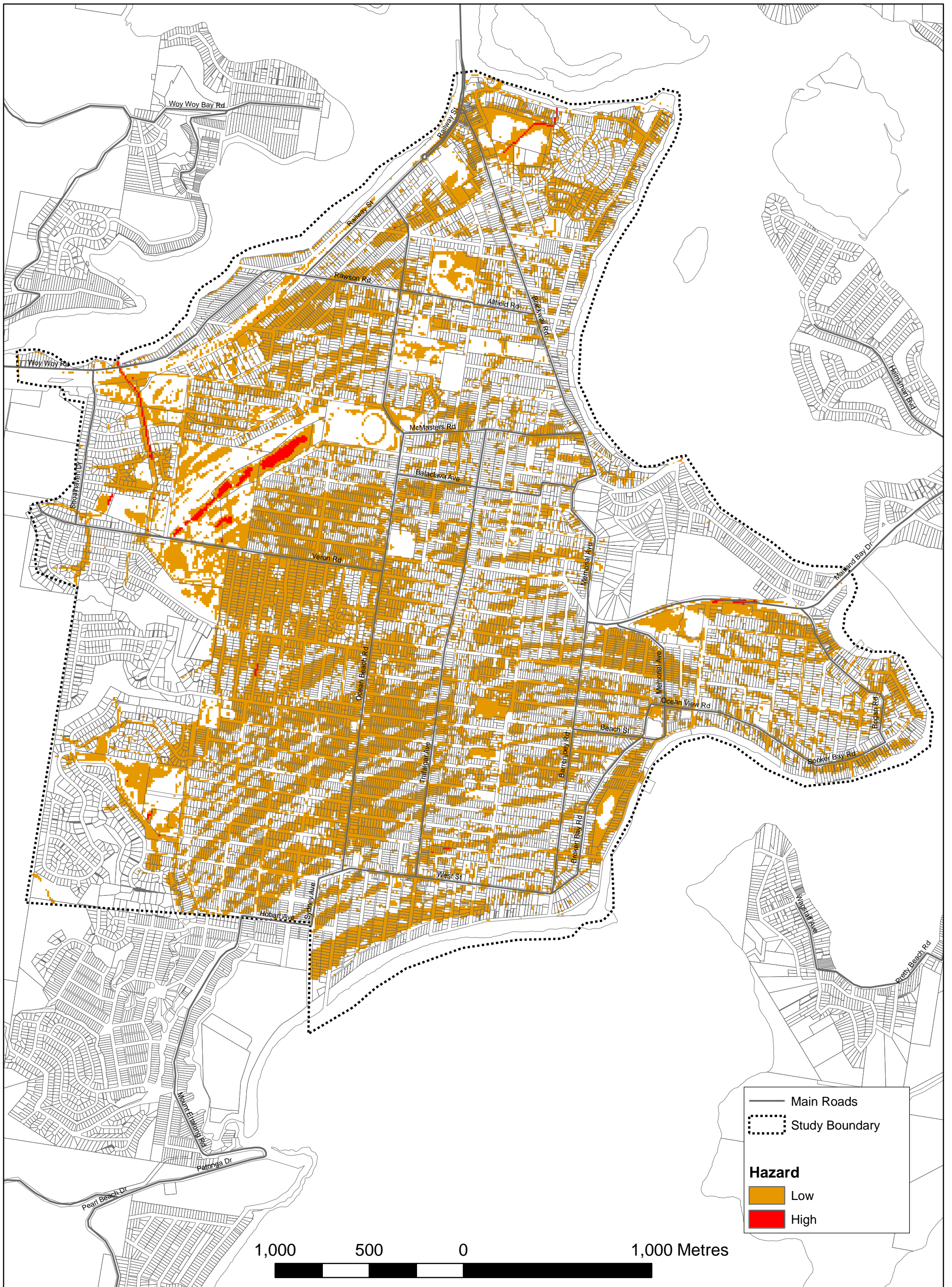


Figure 47 – Modelled Flood Hazard for PMF with Future Development.

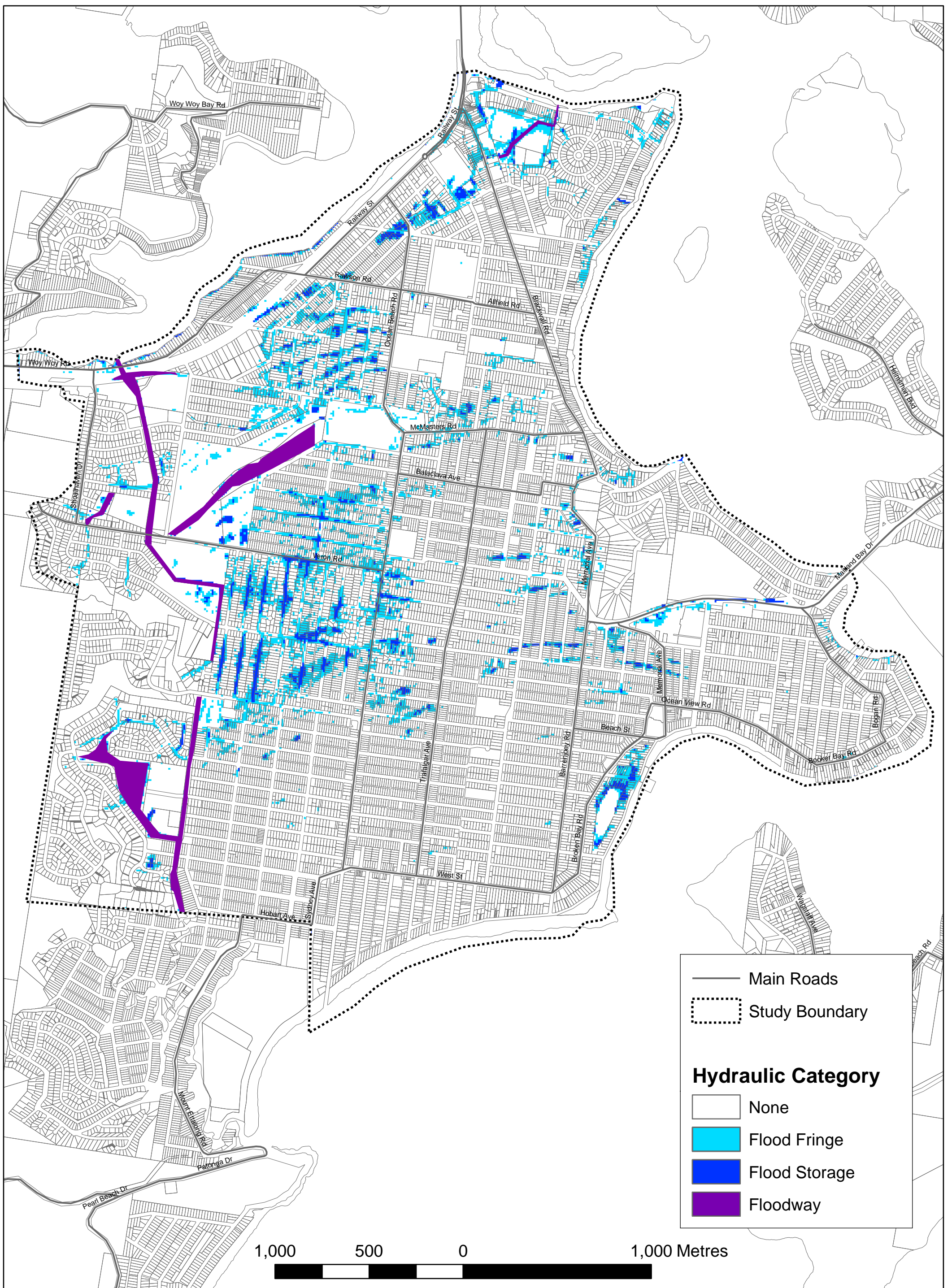


Figure 48 – Provisional Hydraulic Category Classification for 2yr ARI (50% AEP) with Future Development.

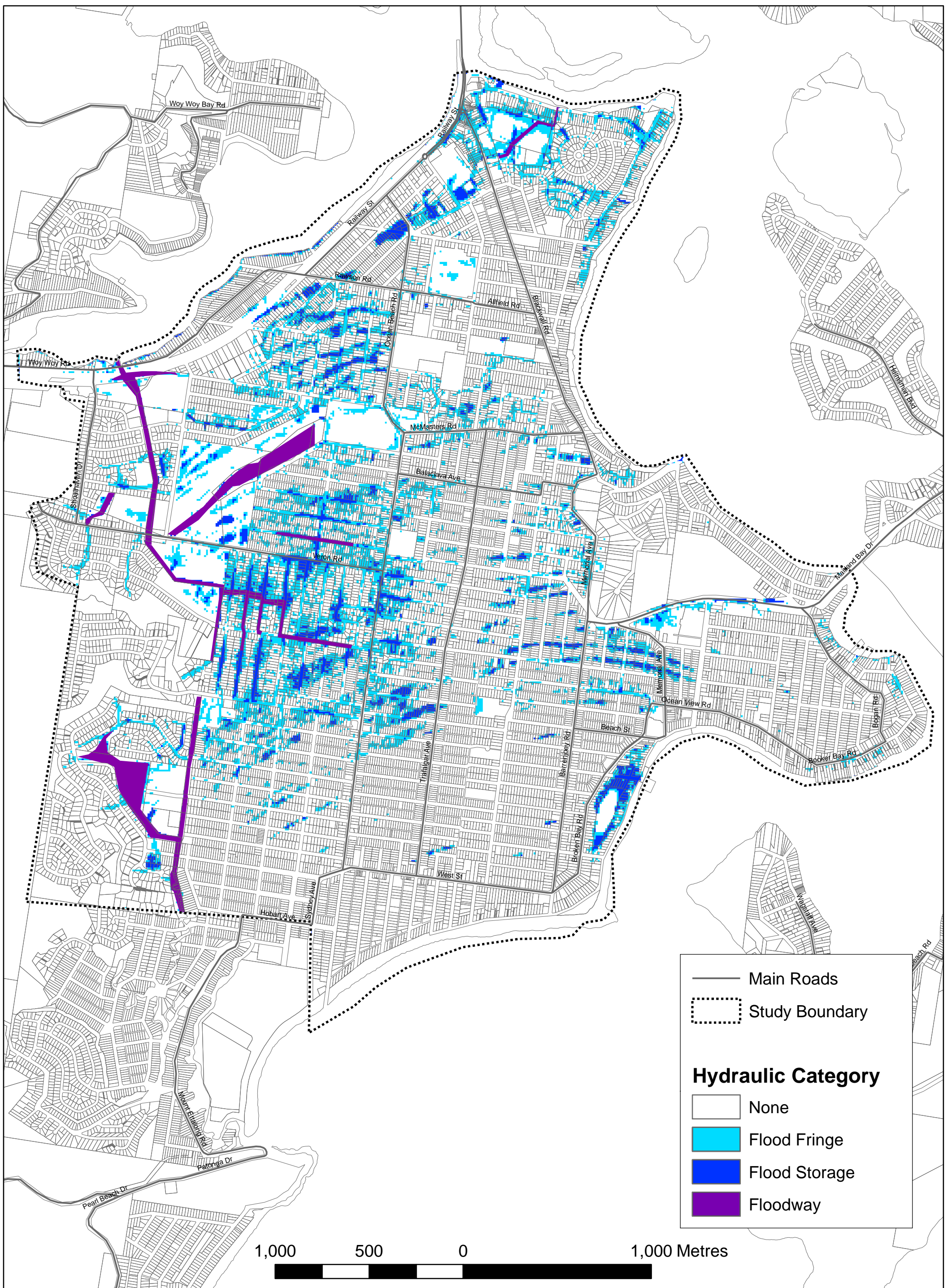


Figure 49 – Provisional Hydraulic Category Classification for 10yr ARI (10% AEP) with Future Development.

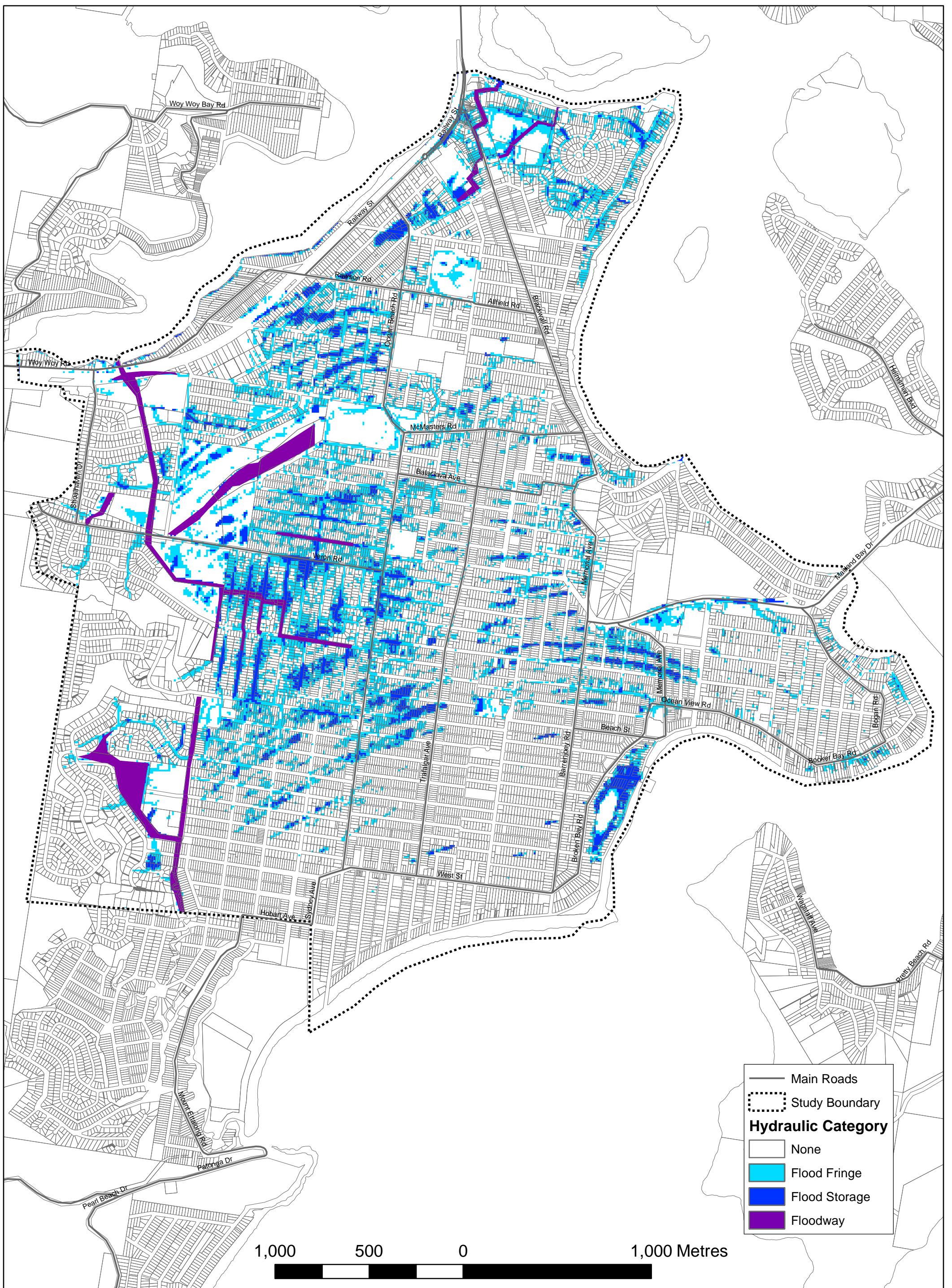


Figure 50 – Provisional Hydraulic Category Classification for 20yr ARI (5% AEP) with Future Development.

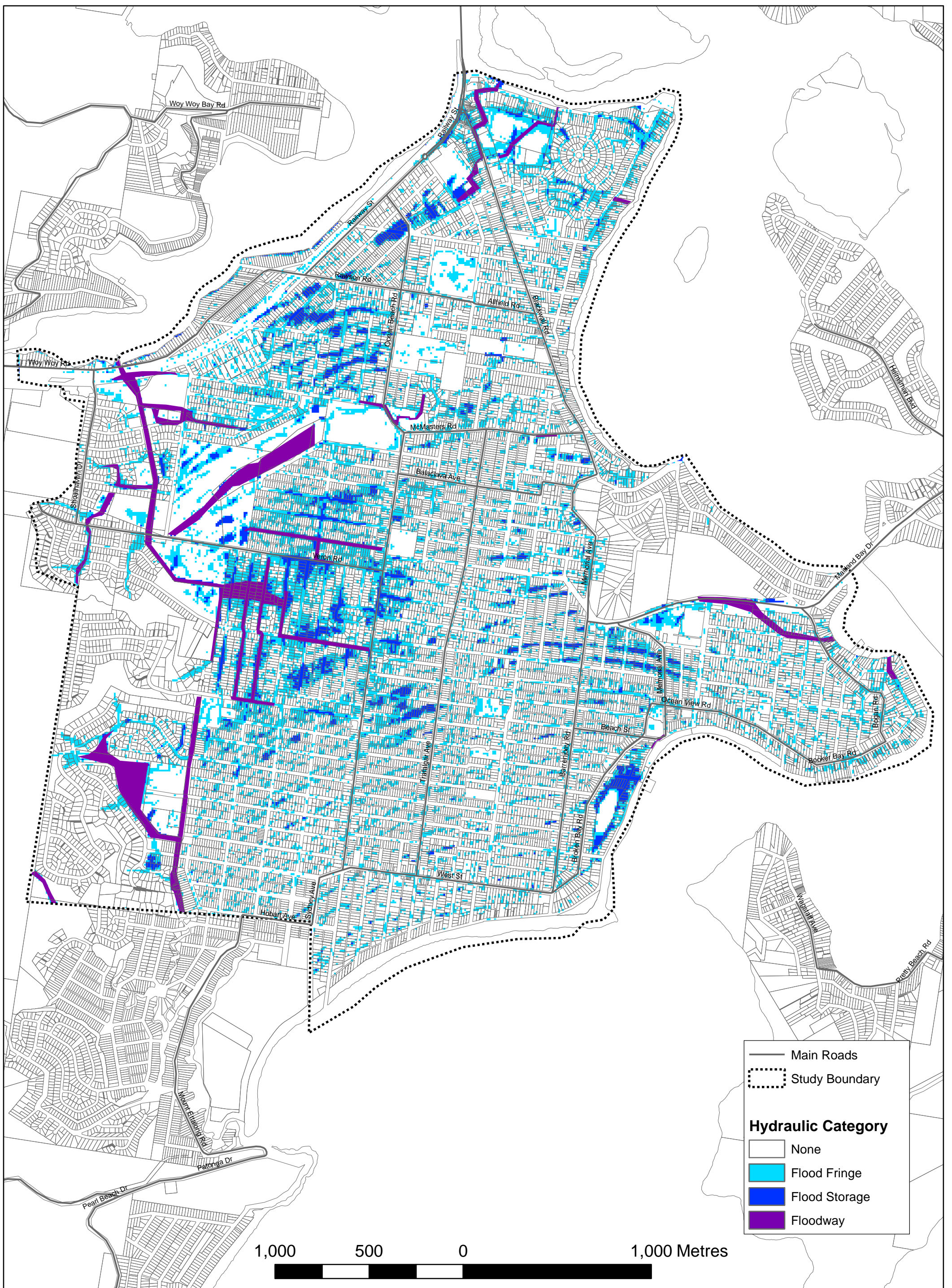


Figure 51 – Provisional Hydraulic Category Classification for 100yr ARI (1% AEP) with Future Development.

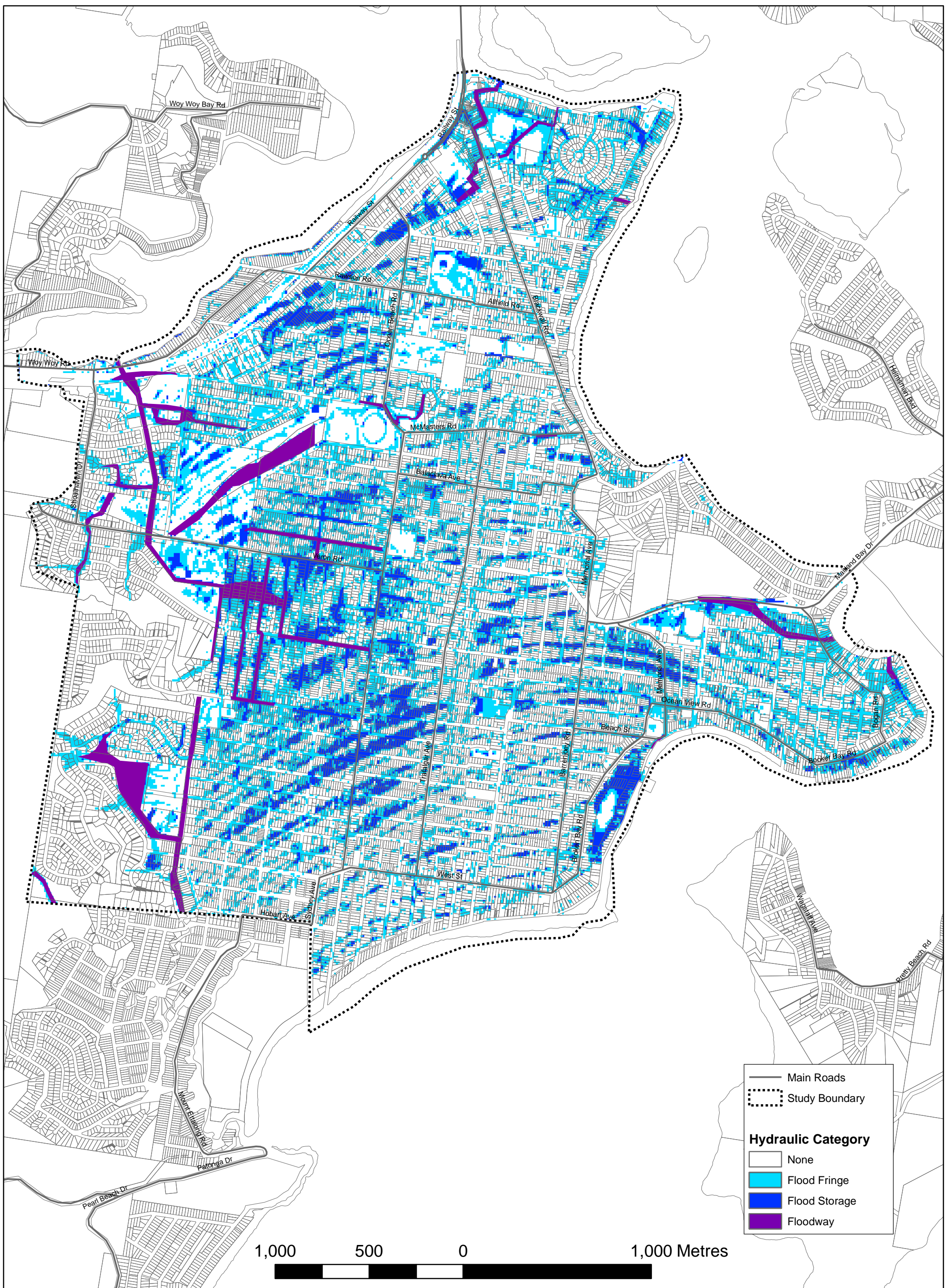


Figure 52 – Provisional Hydraulic Category Classification for 200yr ARI (0.5% AEP) with Future Development.

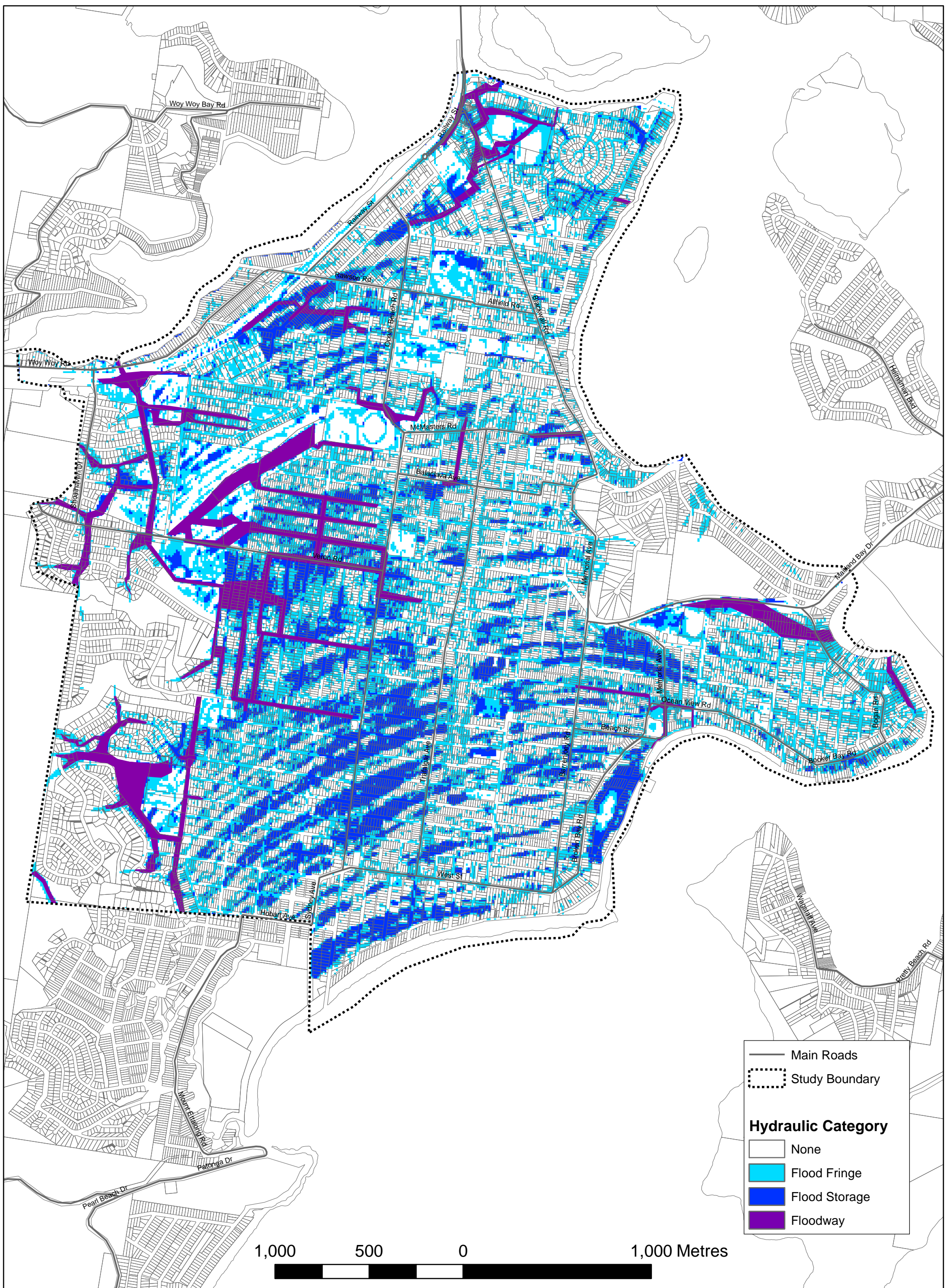


Figure 53 – Provisional Hydraulic Category Classification for PMF with Future Development.

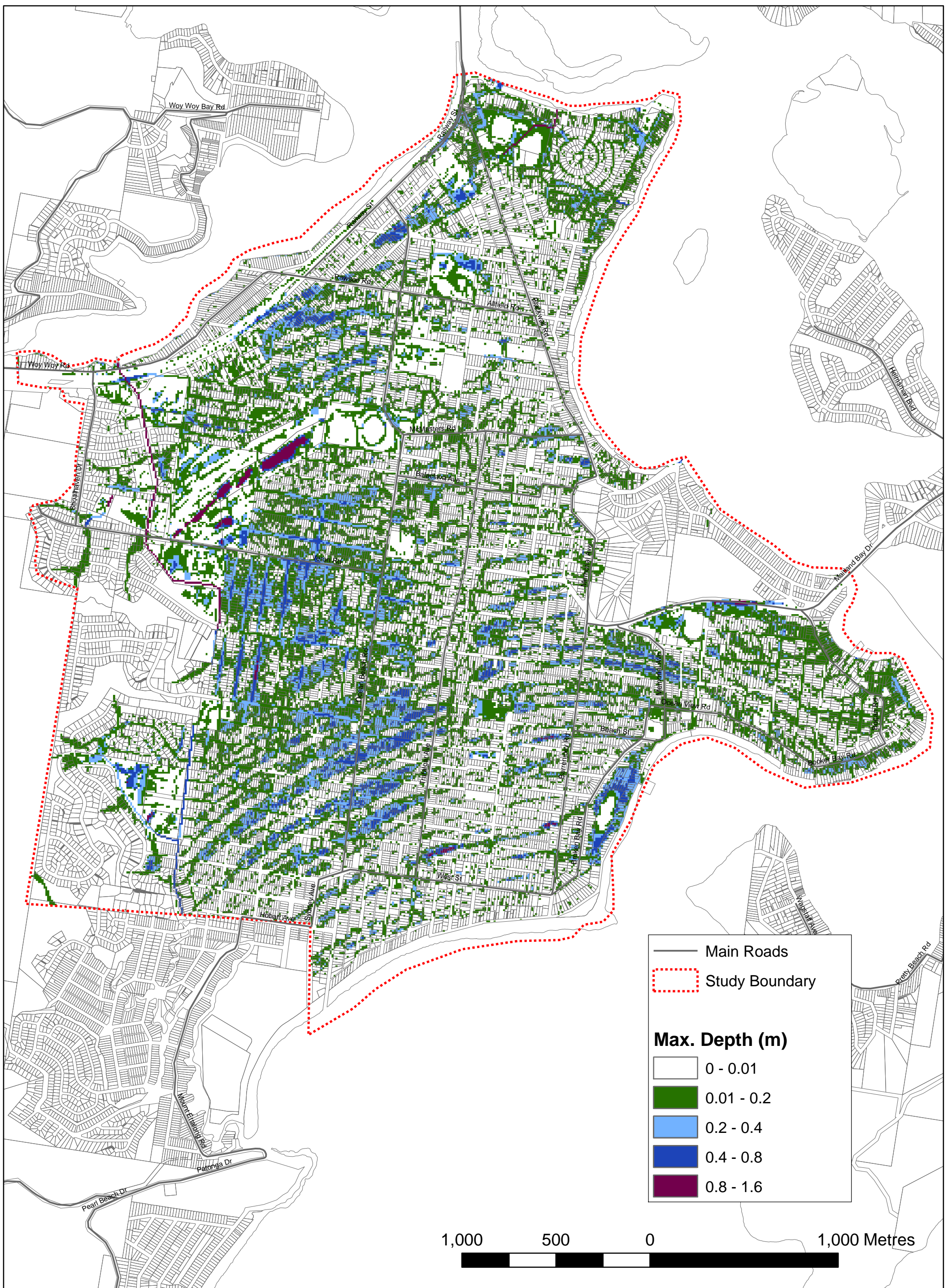


Figure 54 – Modelled Flood Depth for 100yr ARI (1% AEP) with Future Development, 0.91m Sea Level Rise and 50% Blocked Stormwater network.

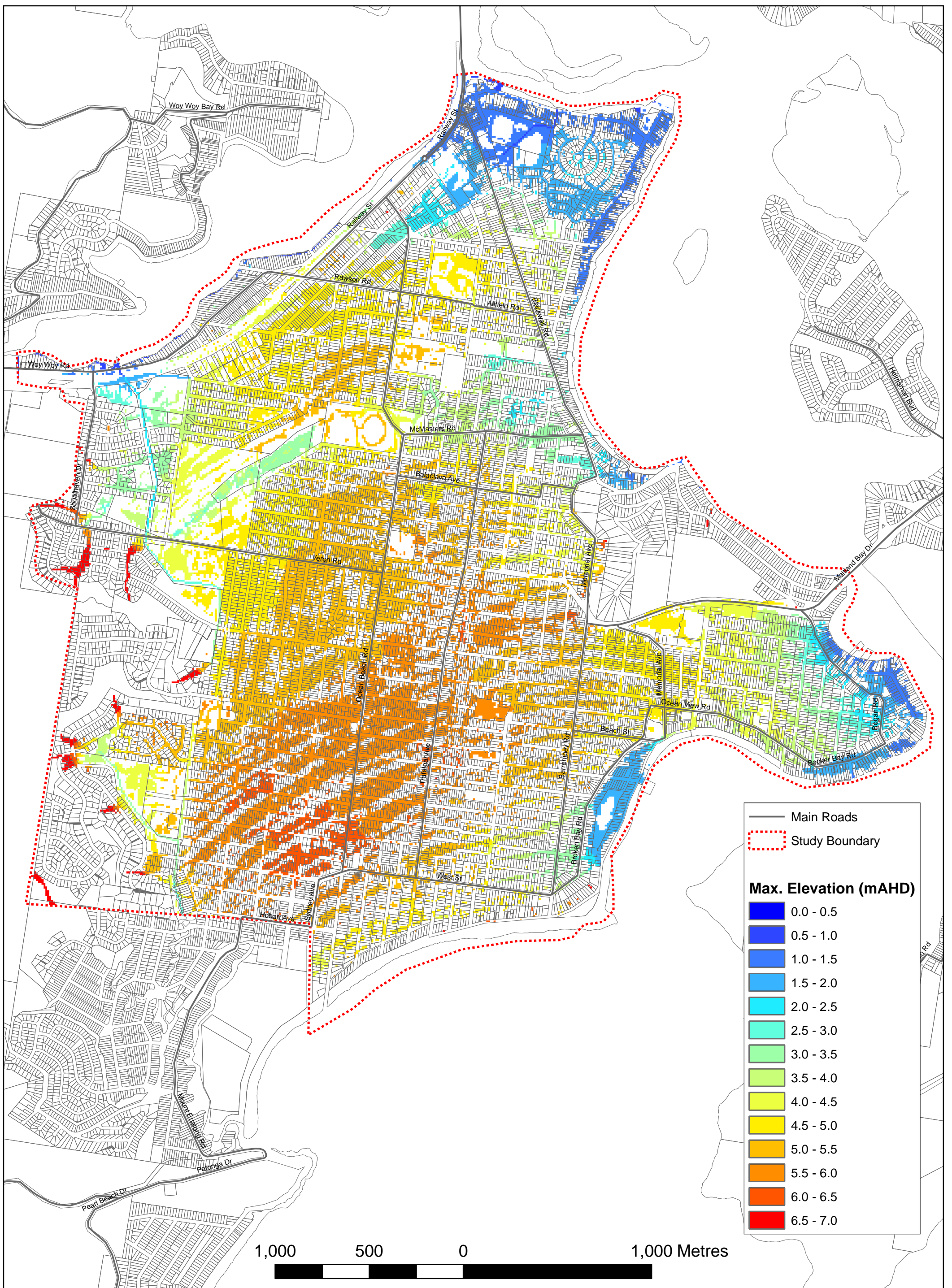


Figure 55 – Modelled Flood Elevation for 100yr ARI (1% AEP) with Future Development, 0.91m Sea Level Rise and 50% Blocked Stormwater network.