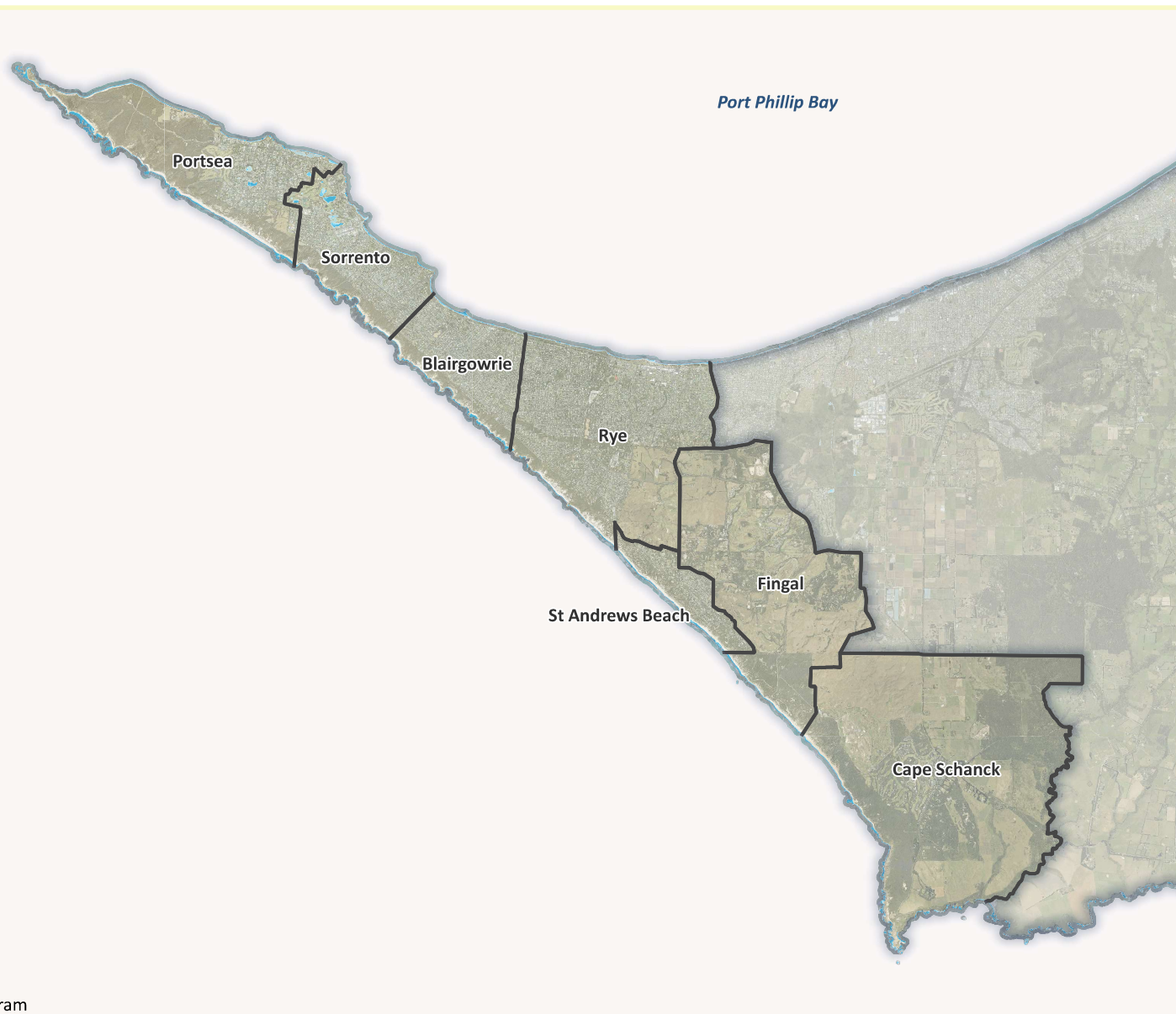
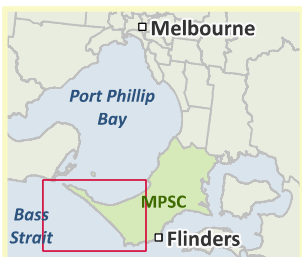




Sub-area 3: Southern Peninsula

Inundation extents

Permanent inundation

- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise

Study area

- Sub-area 3: Southern Peninsula

0 1 2 km

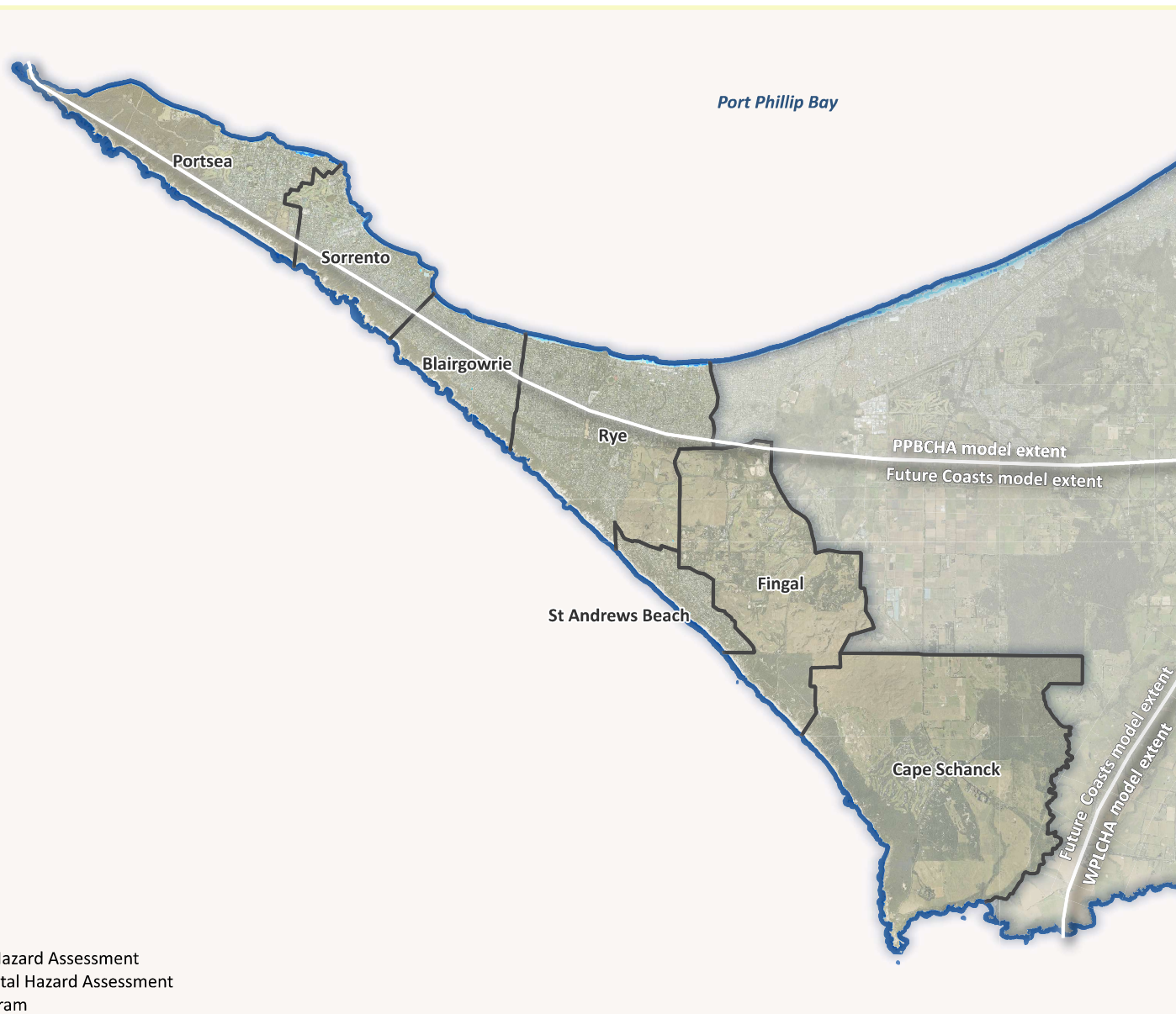
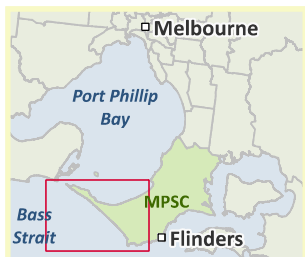


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Coastal studies

Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 3: Southern Peninsula

Inundation extents

Storm tide

1% AEP*

- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise
- 1.1 m sea level rise

Study area

- Sub-area 3: Southern Peninsula

Other features

- Approximate modelling grid boundary

*Planning horizons for some portions of the Nepean Peninsula are unique as modelling conducted as part of the Future Coasts Program (2009) considered 0.0 m, 0.2 m, 0.47 m and 0.82 m sea level rise scenarios.

AEP: Annual Exceedance Probability (AEP) is the probability of a storm event occurring in any given year.

0 1 2 km



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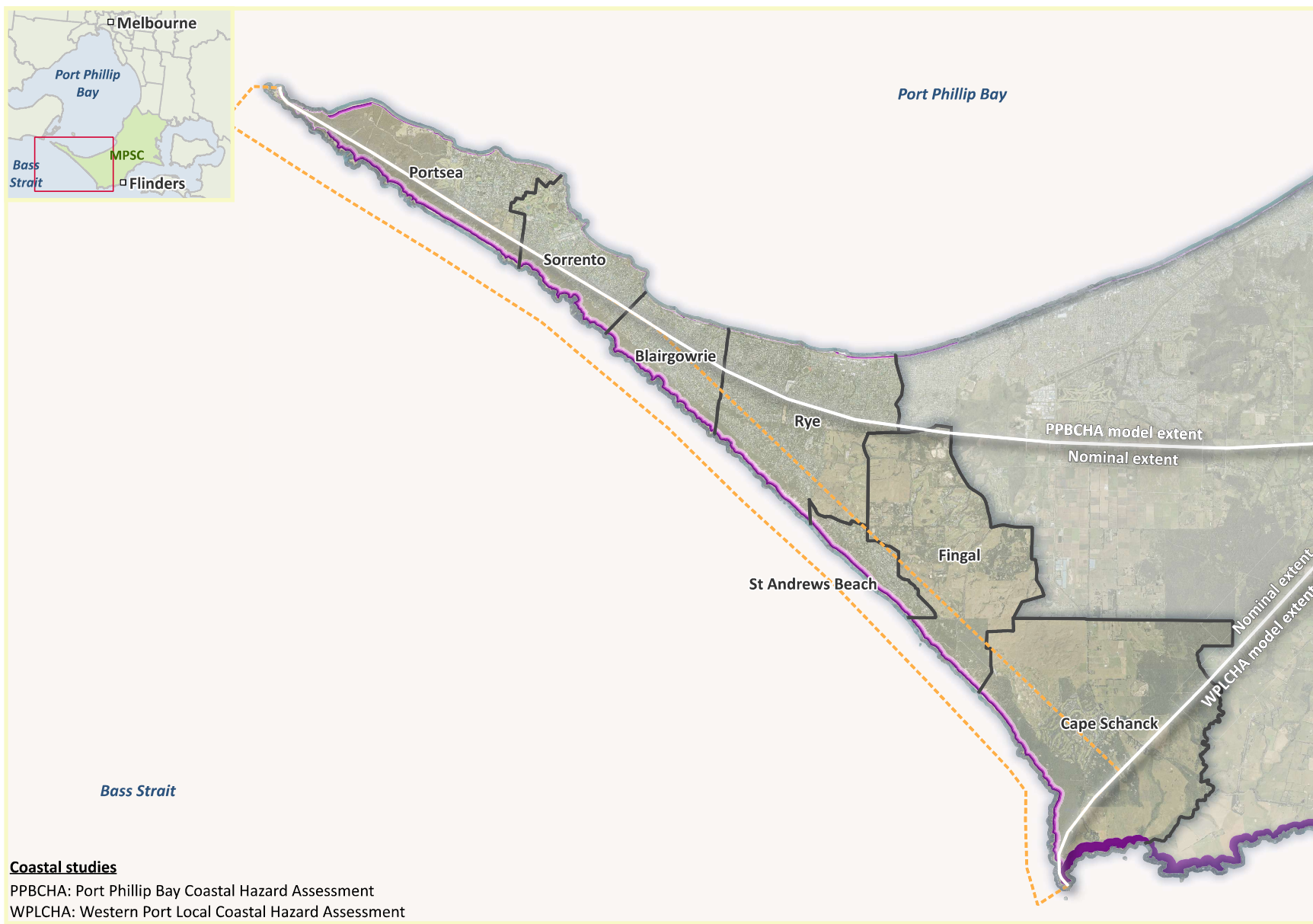
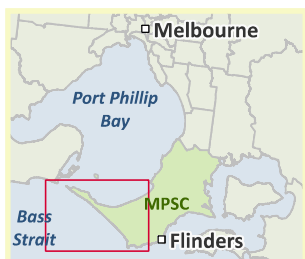
Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment

WPLCHA: Western Port Local Coastal Hazard Assessment

Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 3: Southern Peninsula Erosion extents

Erosion*

- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise
- 1.1 m sea level rise

Study area

- Sub-area 3: Southern Peninsula

Other features

- Approximate modelling grid boundary
- Nominal erosion modelling boundary^

*Erosion hazard extents mapped as part of the Port Phillip Bay Coastal Hazard Assessment are for a 1% AEP erosion scenario.

^Nominal erosion hazard extents were created to address gaps in available modelled data along the open coast Nepean Peninsula. For further information regarding these nominal erosion extents, please see additional documentation. AEP: Annual Exceedance Probability (AEP) is the probability of a storm event occurring in any given year.

0 1 2 km



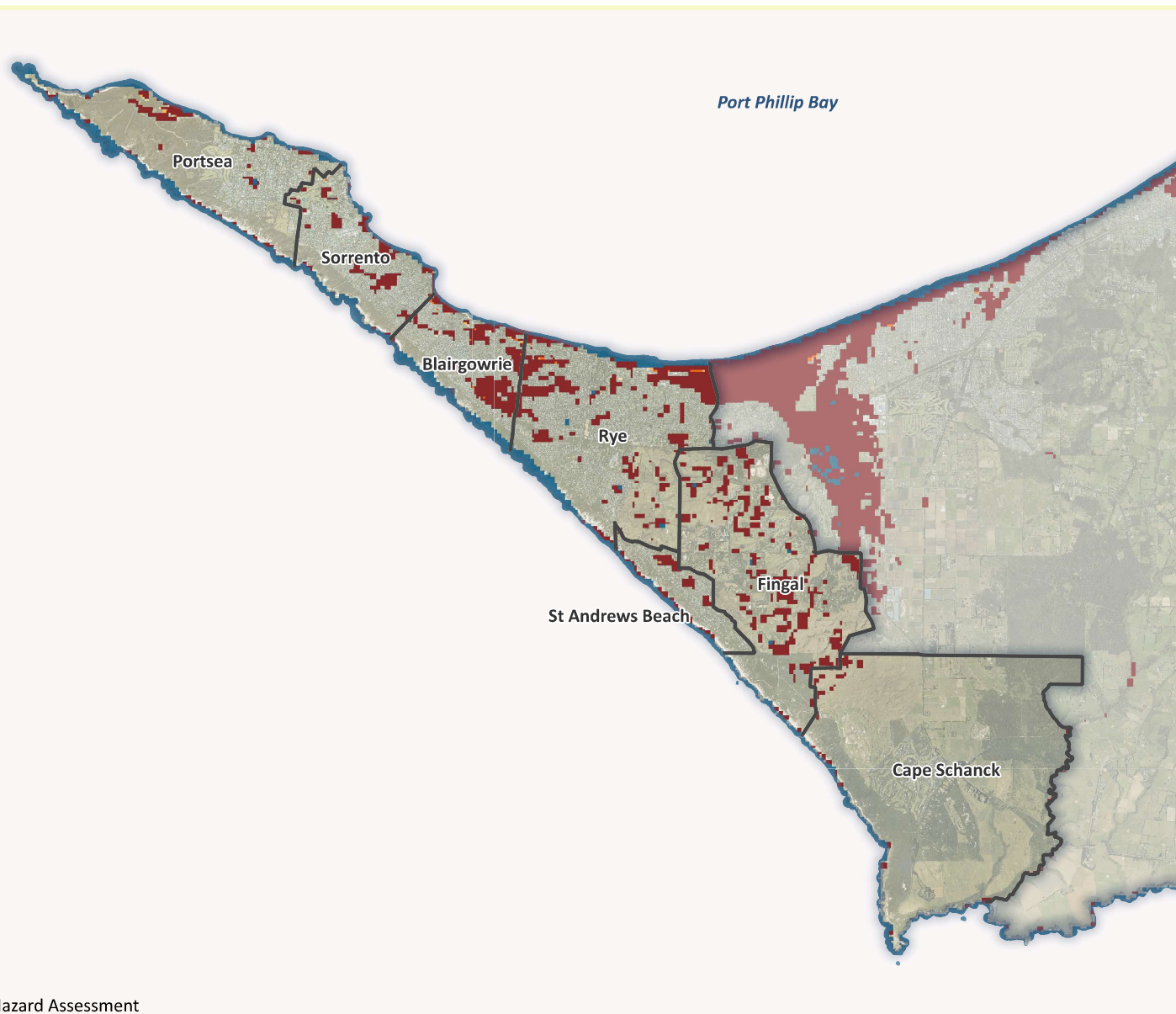
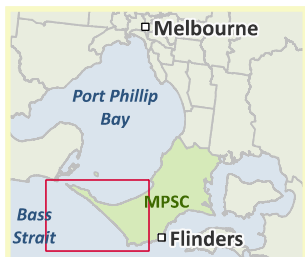
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Coastal studies

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Sub-area 3: Southern Peninsula

Groundwater depths Shallow groundwater (Depth: 0 m to 2 m AHD)

- Surface water (present day)
- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise
- 1.1 m sea level rise

Study area

- Sub-area 3: Southern Peninsula

AHD: Australian Height Datum

All future hazard extents have been estimated based on “present day” ground and sea bed elevations (topography and bathymetry). Estimates do not consider possible future shoreline changes as part of calculations.

0 1 2 km



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