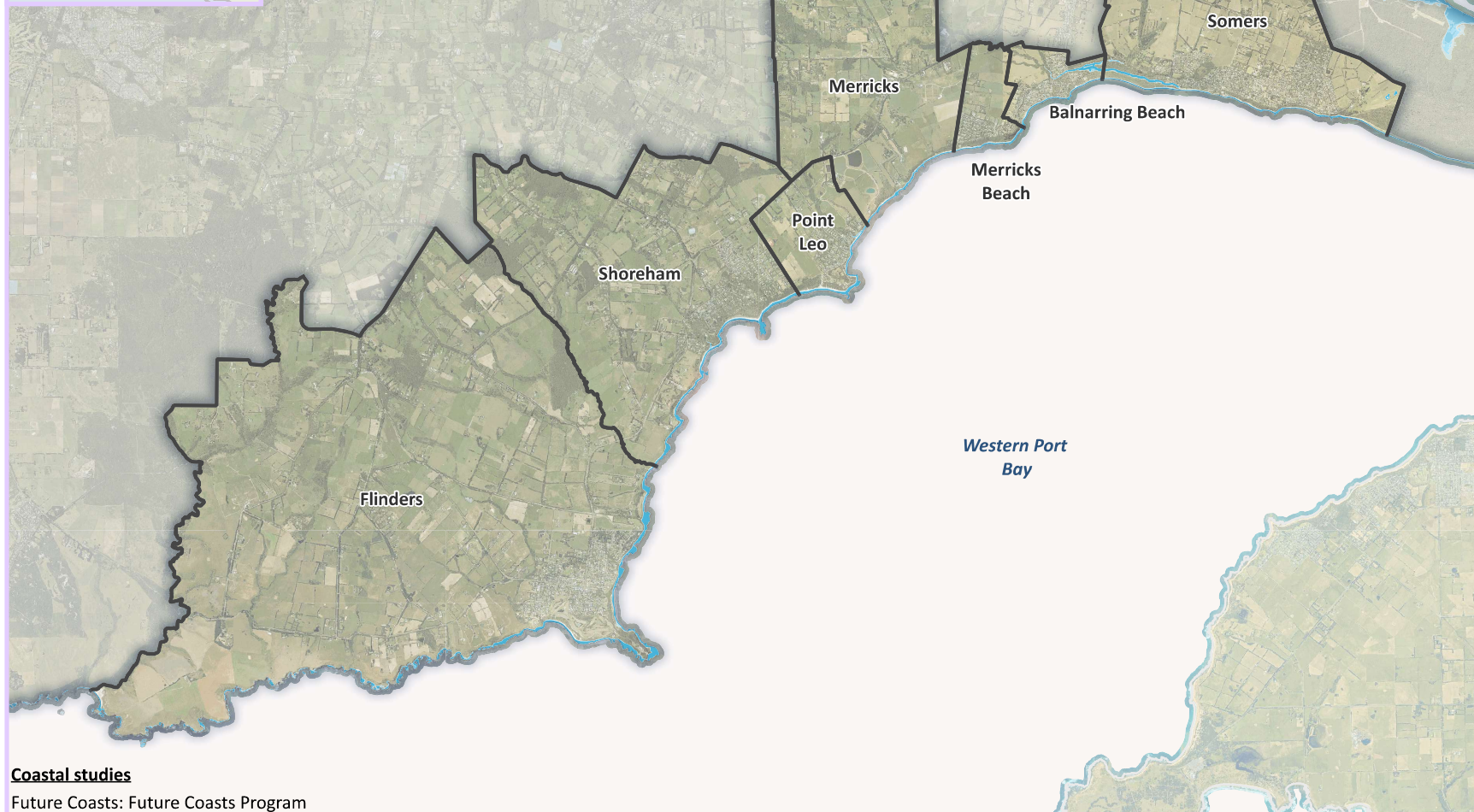
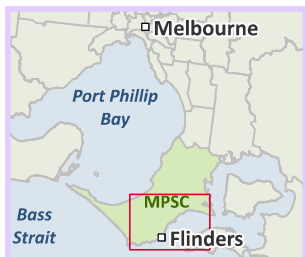




Sub-area 4: Southern Western Port

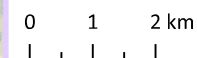
Inundation extents

Permanent inundation

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

Study area

- Sub-area 4: Southern Western Port

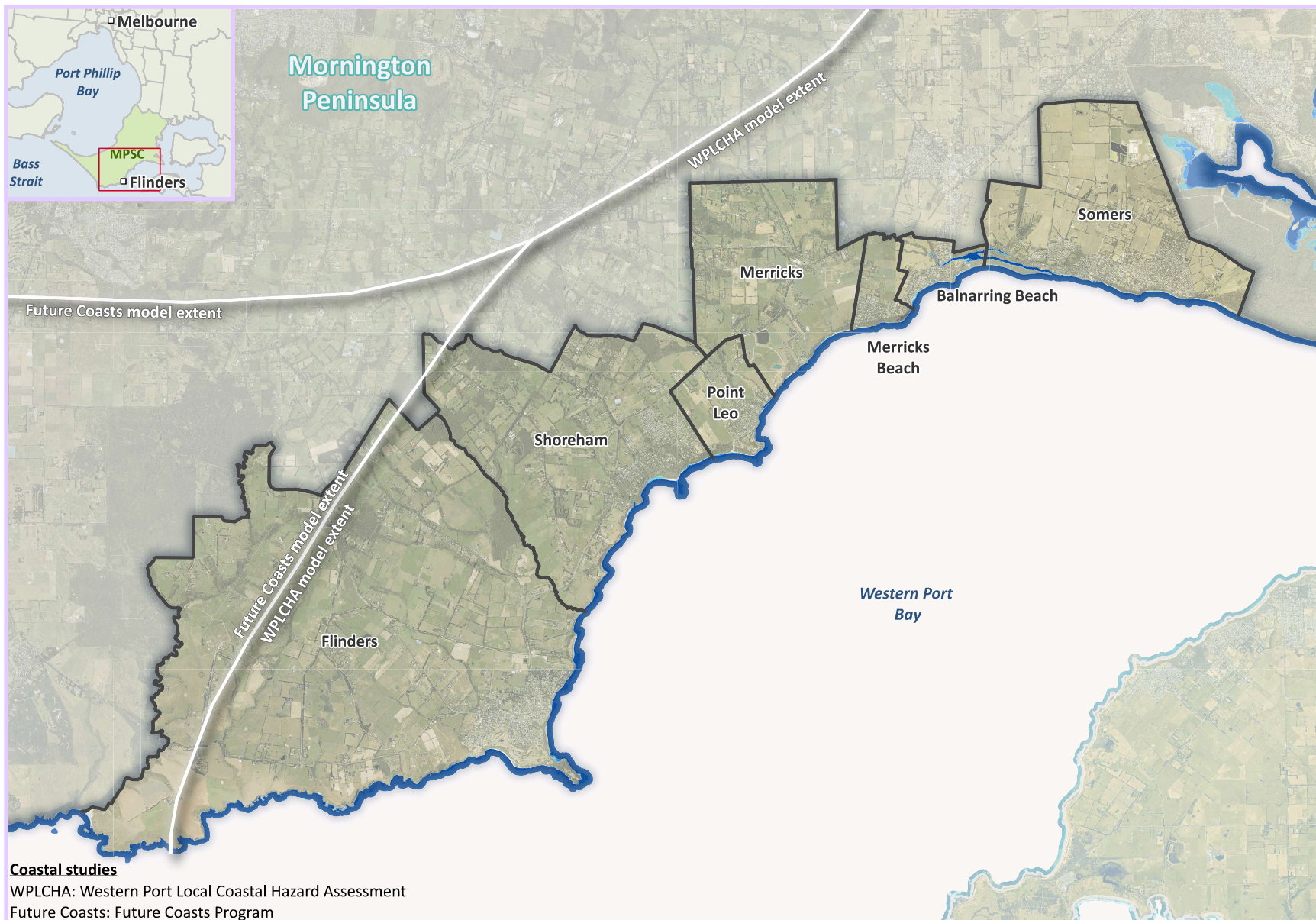


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Coastal studies

Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 4: Southern Western Port

Inundation extents

Storm tide

1% AEP*

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

Study area

- Sub-area 4: Southern Western Port

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.

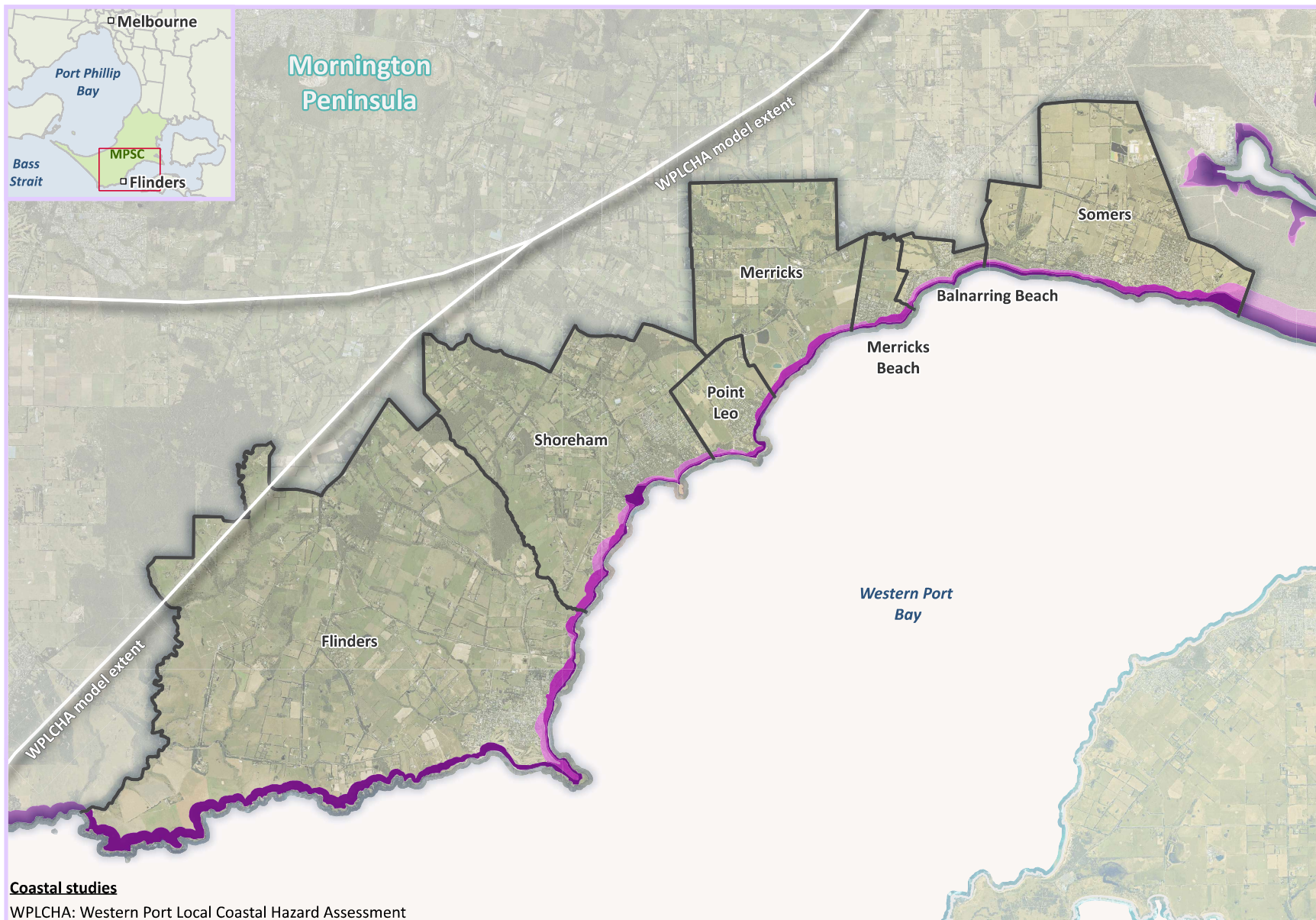
AEP: Annual Exceedance Probability (AEP) is the probability of a storm event occurring in any given year.

0 1 2 km



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Version 1: May 2024



Sub-area 4: Southern Western Port

Erosion extents

Erosion*

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

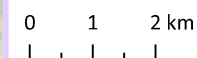
Study area

- Sub-area 4: Southern Western Port

Other features

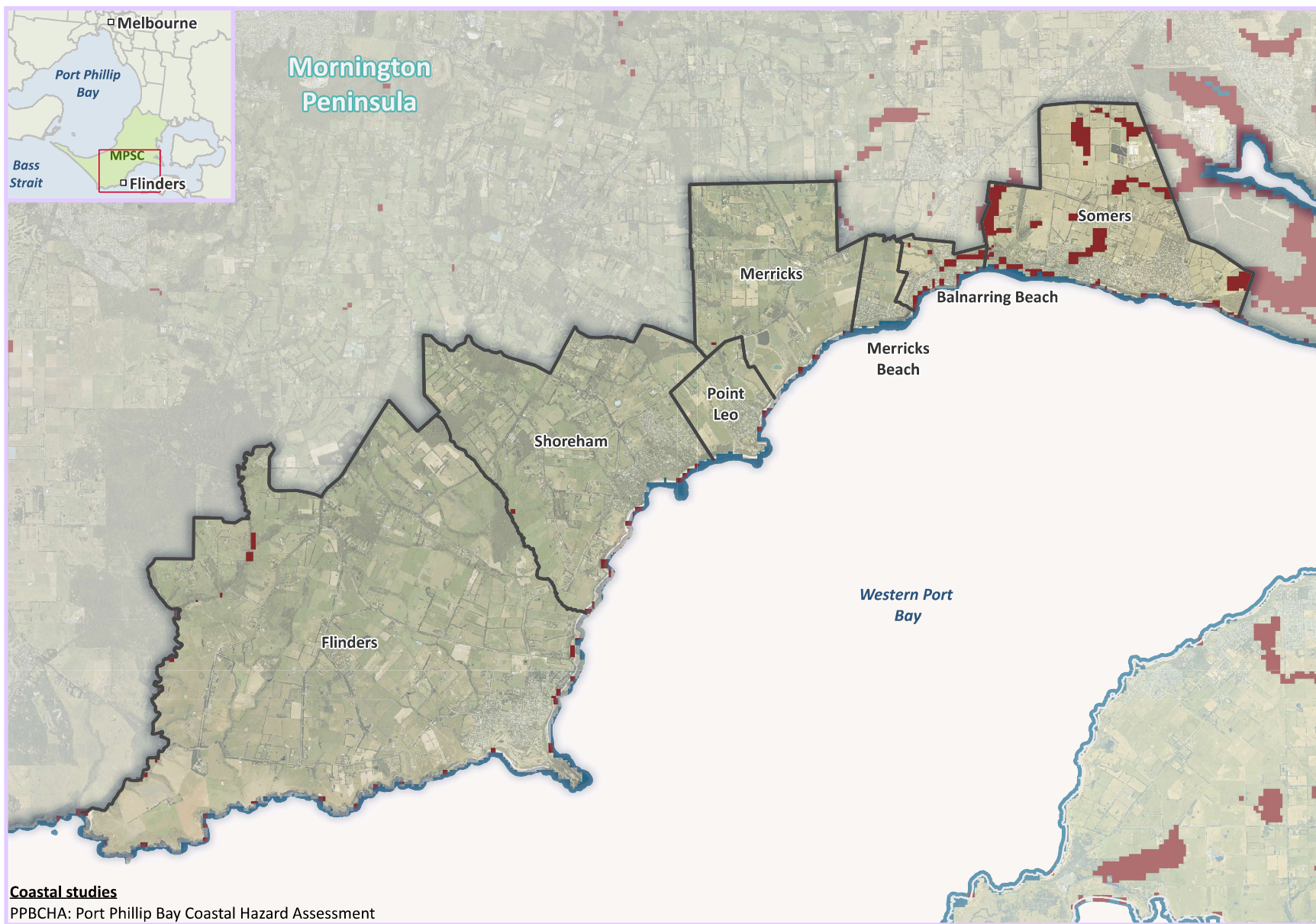
- Approximate modelling grid boundary

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



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Version 1: May 2024



Sub-area 4: Southern Western Port

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 4: Southern Western Port

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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