

Region wide

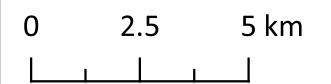
Inundation extents

Permanent inundation

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

Other features

- Local Government Area boundary

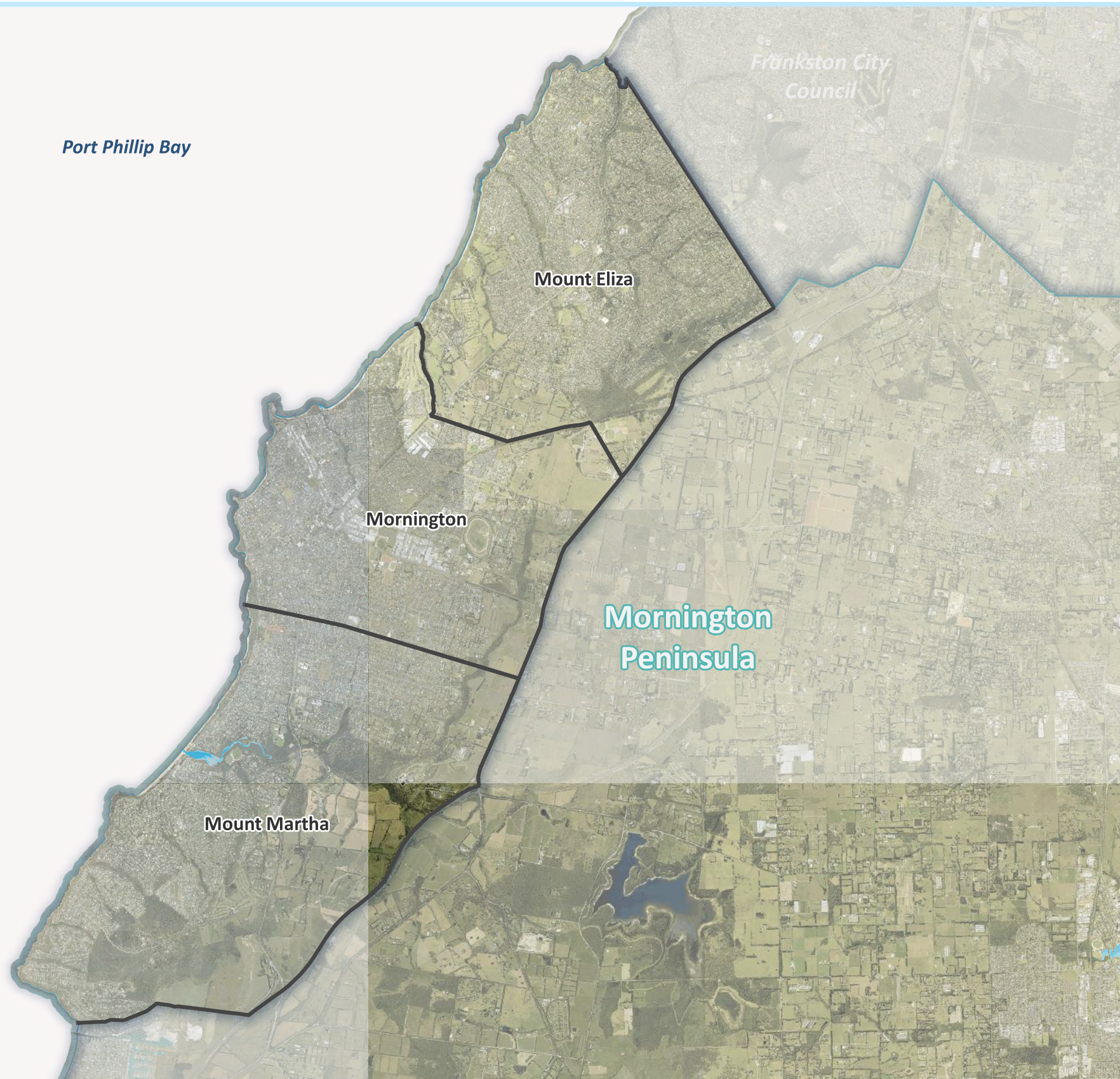
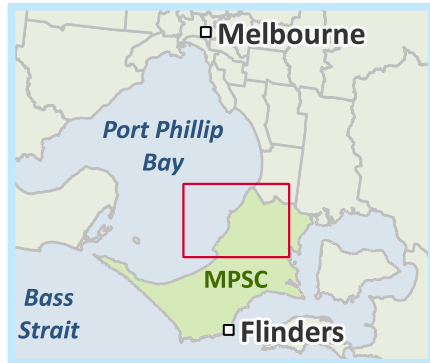


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Coastal studies

Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 1: Northern Port Phillip

Inundation extents

Permanent inundation

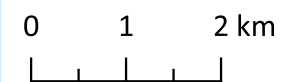
- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise

Study area

- Sub-area 1: Northern Port Phillip

Other features

- Local Government Area boundary

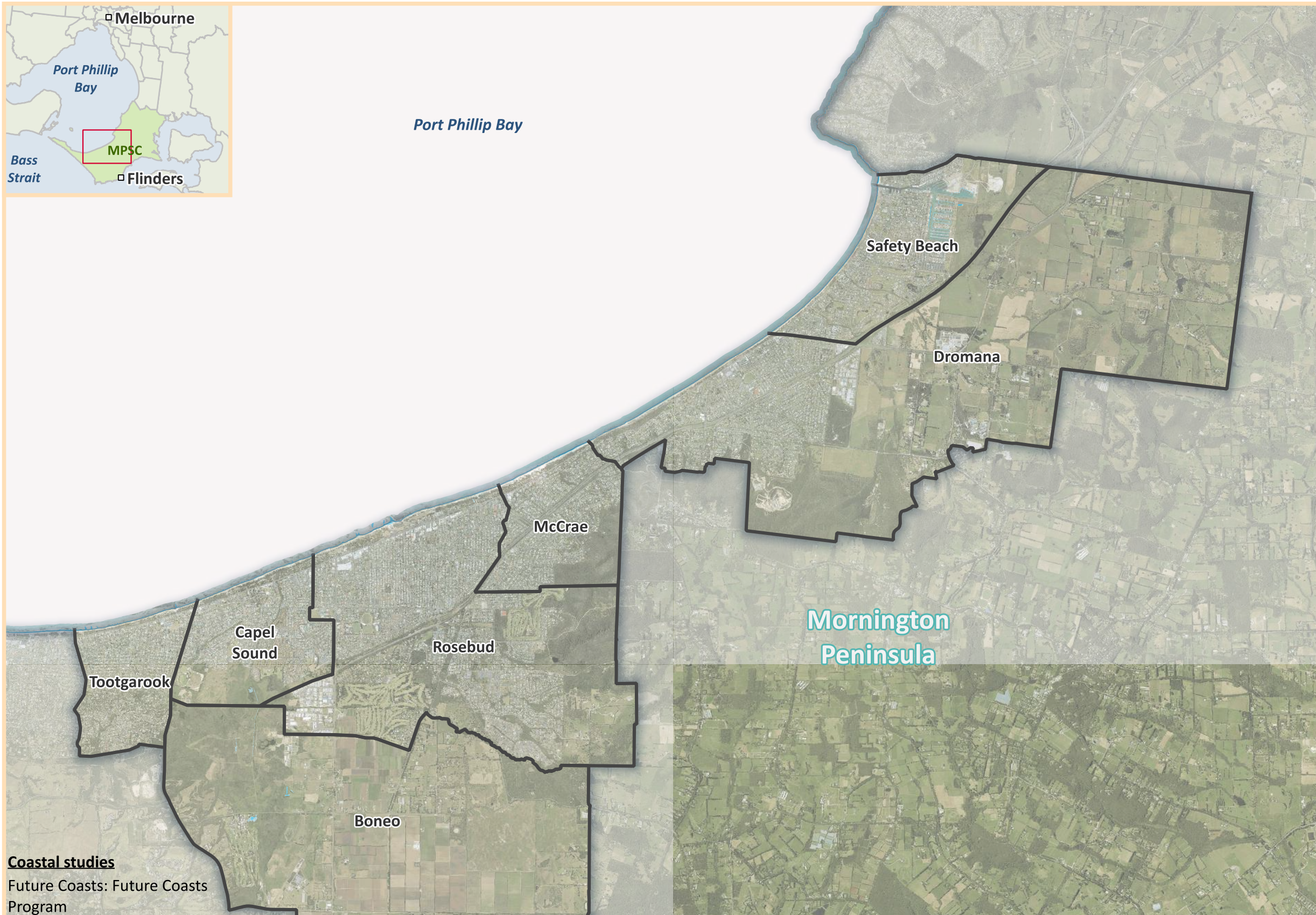
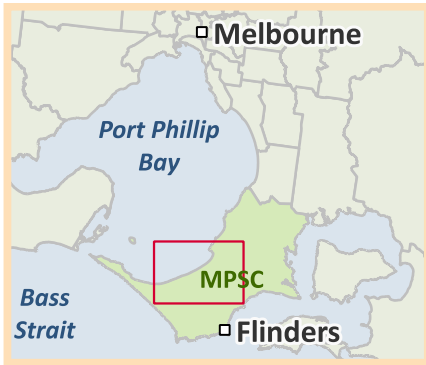


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Coastal studies

Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 2: Central Port Phillip

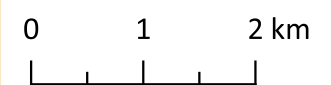
Inundation extents

Permanent inundation

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

Study area

- Sub-area 2: Central Port Phillip

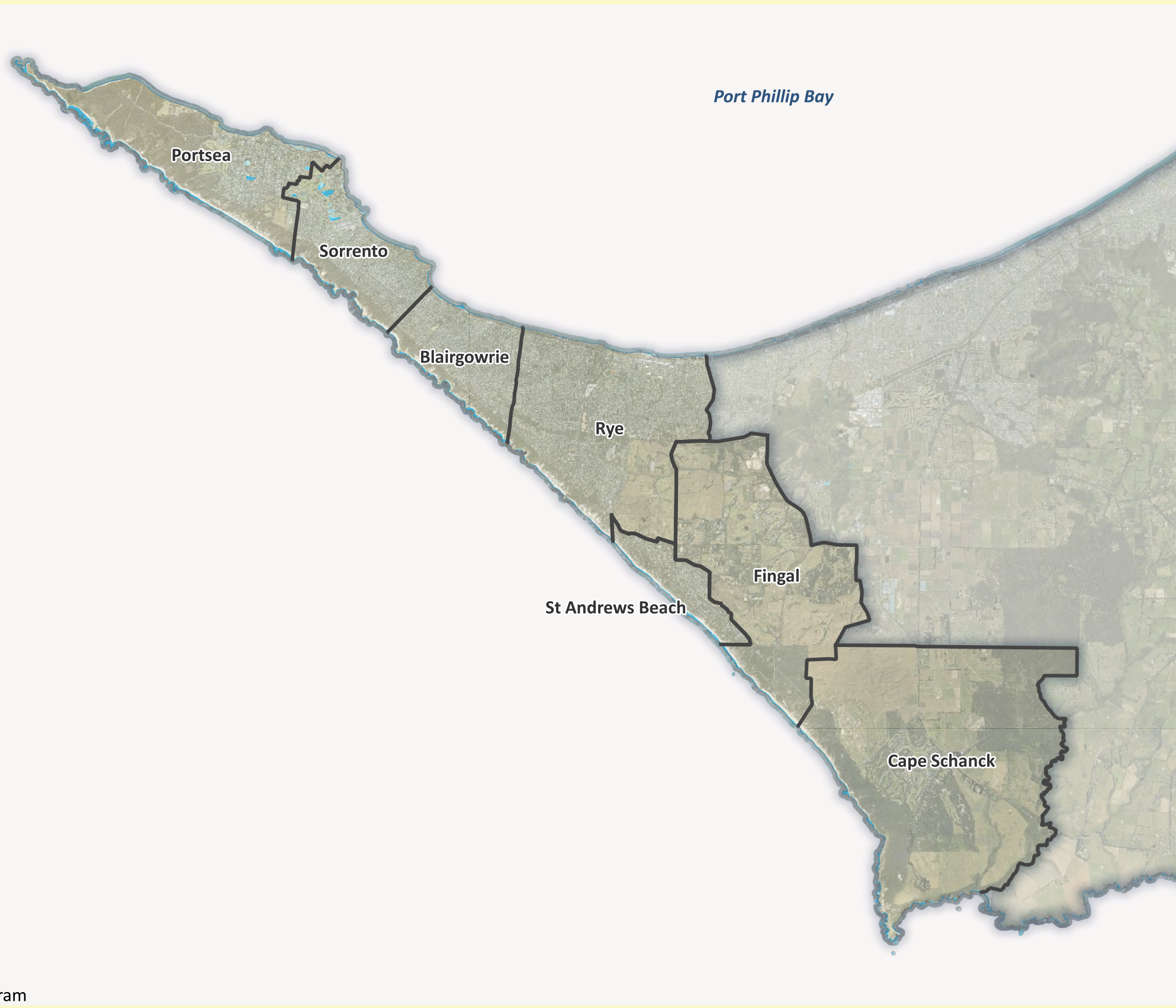
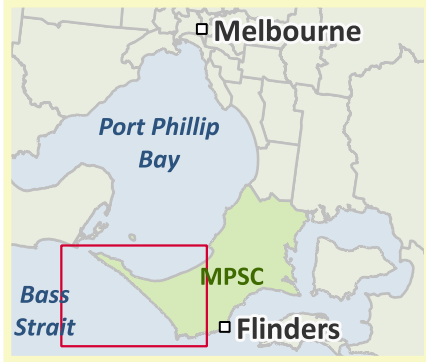


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Coastal studies

Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 3: Southern Peninsula

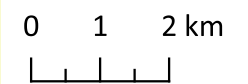
Inundation extents

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



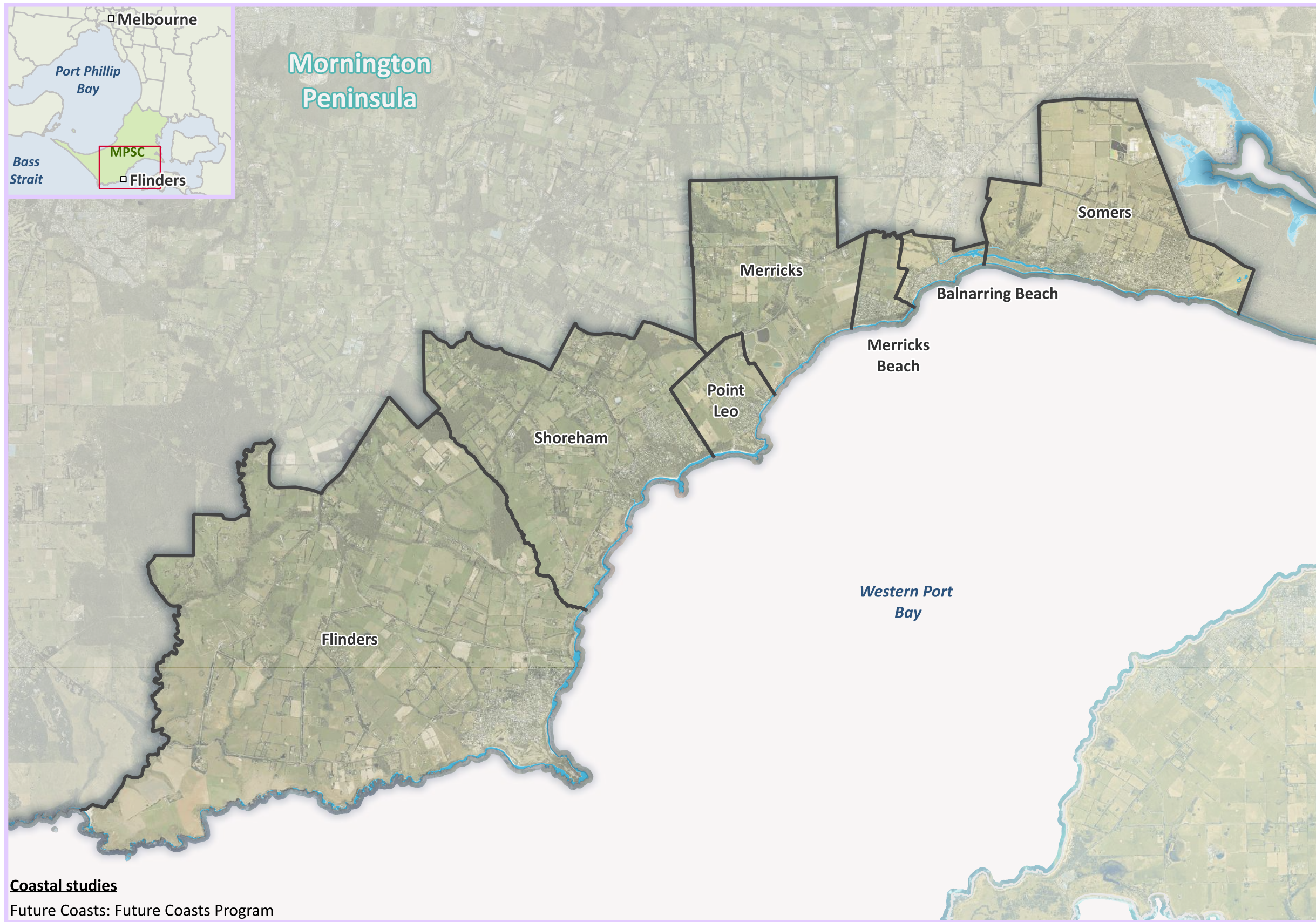
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Bass Strait

Coastal studies

Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 4: Southern Western Port

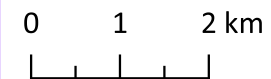
Inundation extents

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

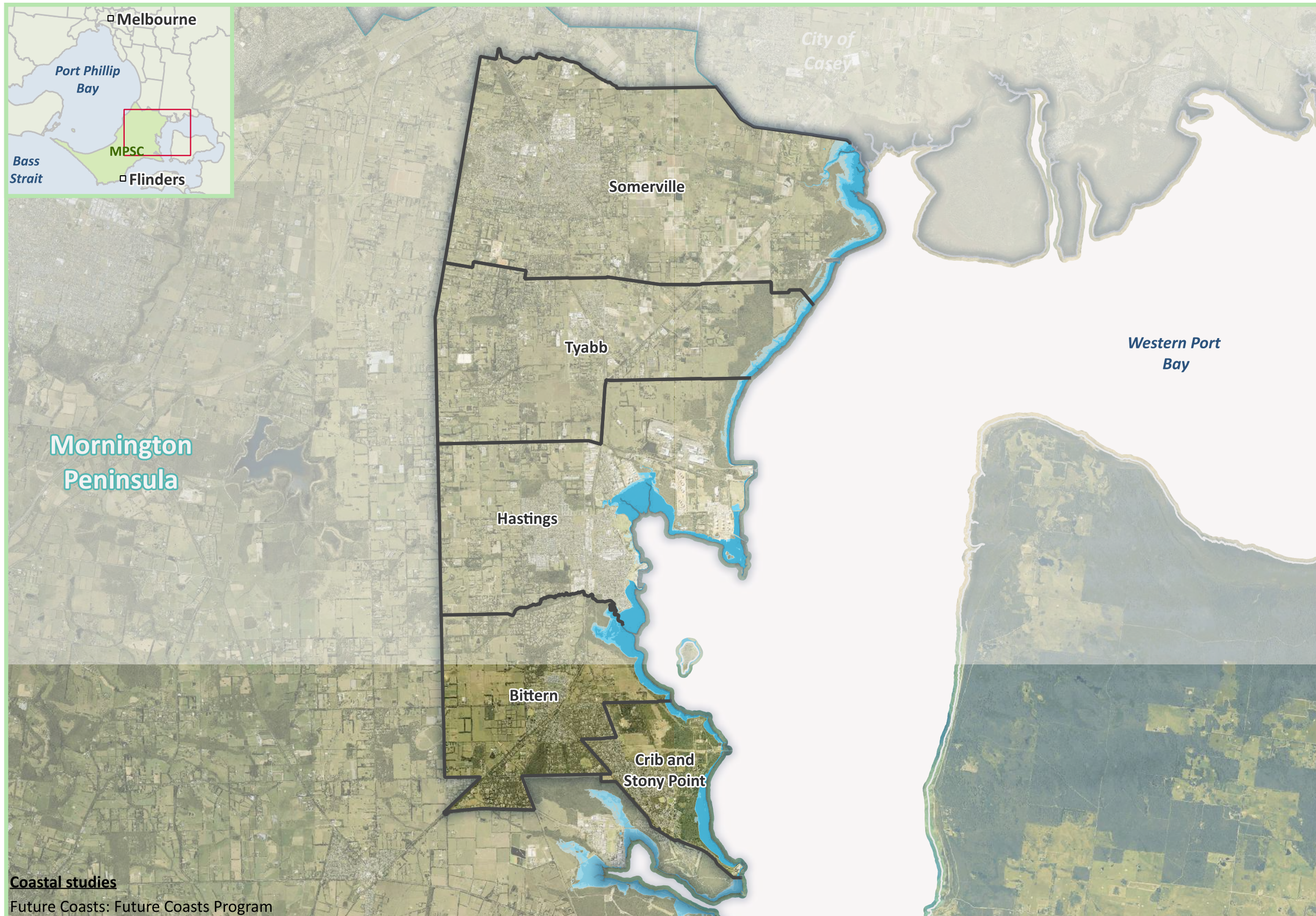


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Coastal studies

Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 5: Northern Western Port

Inundation extents

Permanent inundation

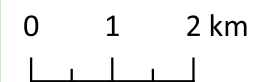
- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise

Study area

- Sub-area 5: Northern Western Port

Other features

- Local Government Area boundary

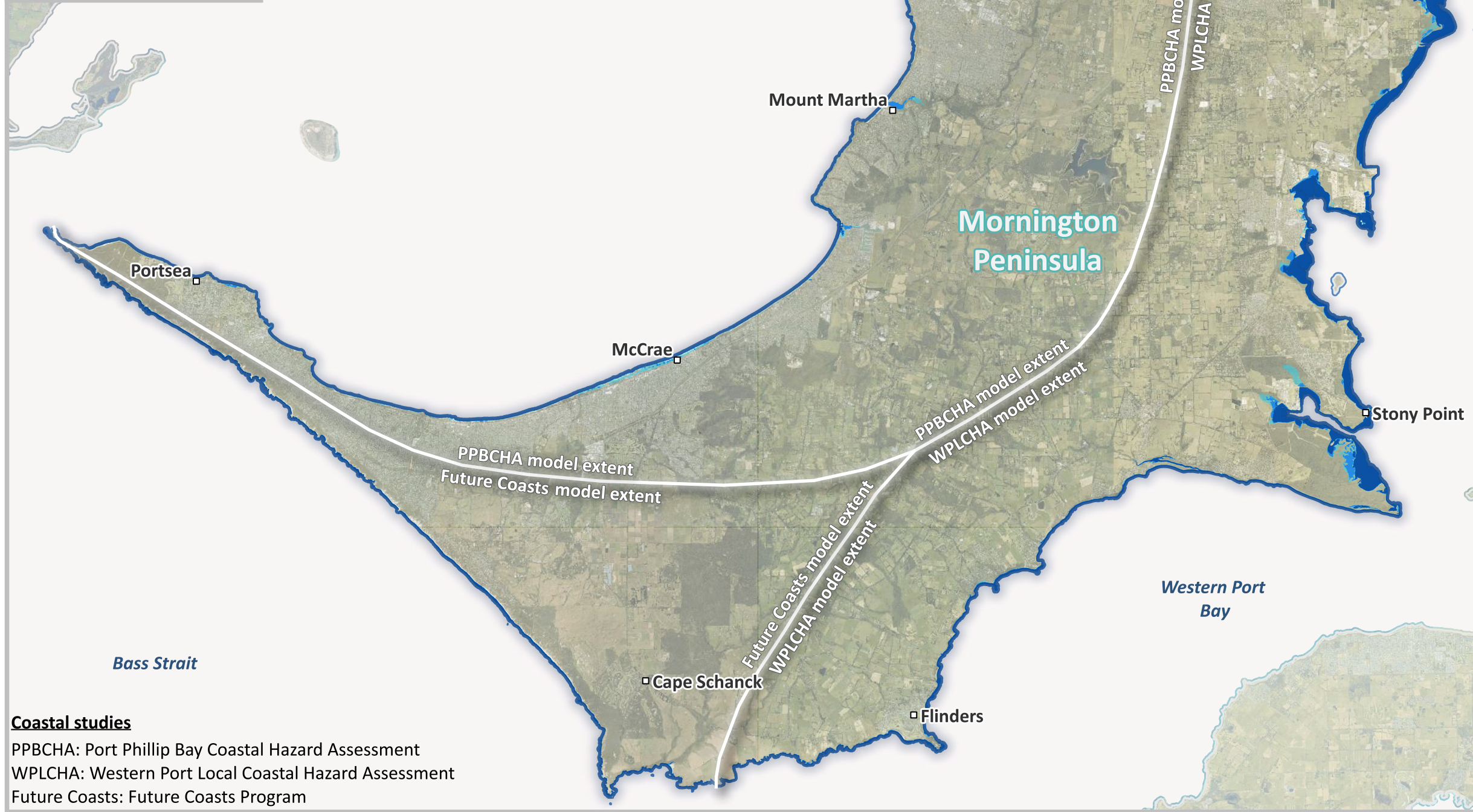
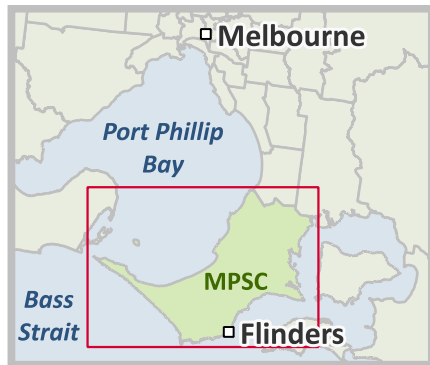


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Coastal studies

Future Coasts: Future Coasts Program

Version 1: May 2024



Region wide Inundation extents

Storm tide

1% AEP*

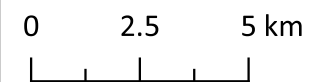
- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise

Other features

- Local Government Area boundary
- 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.

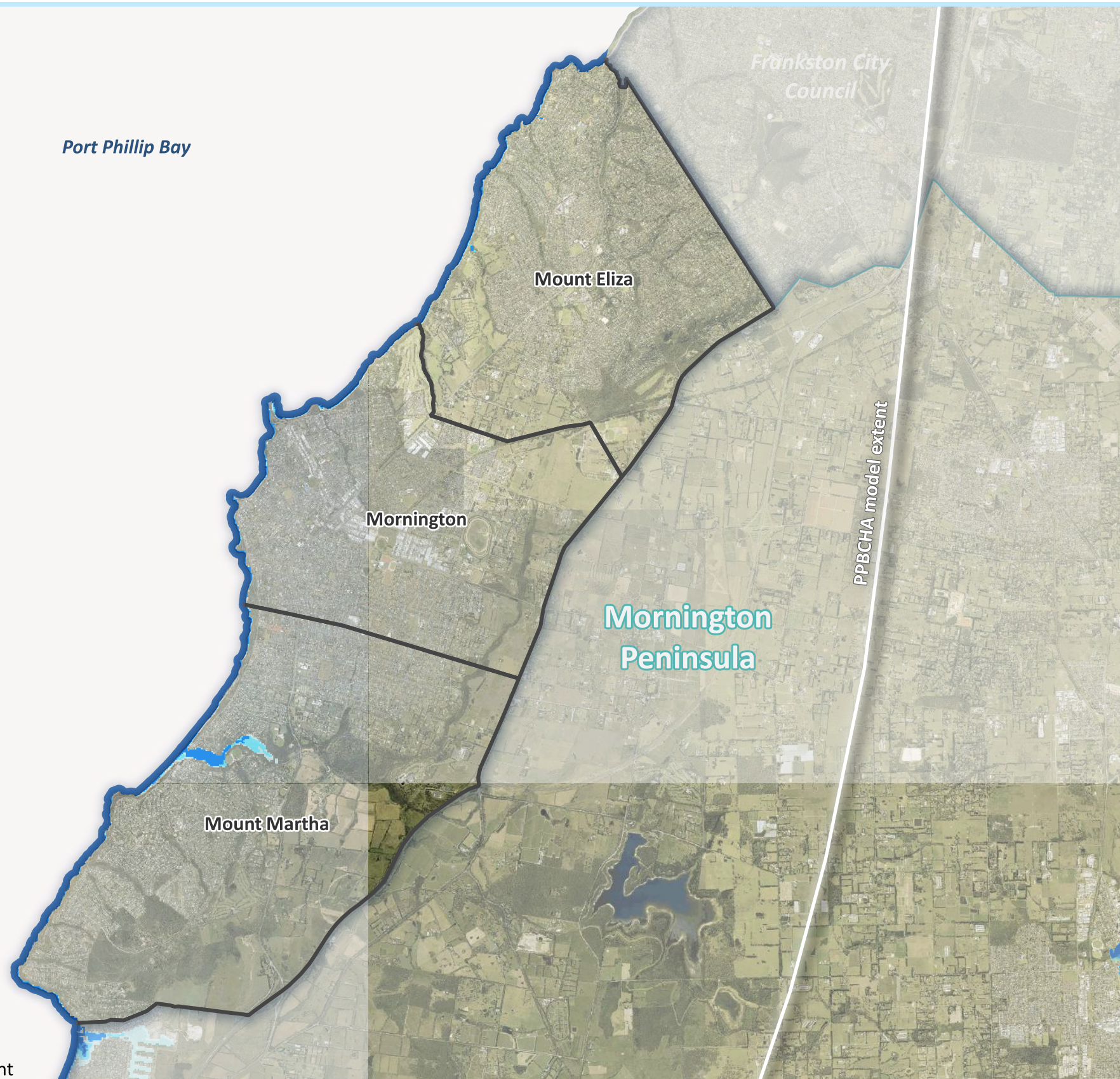
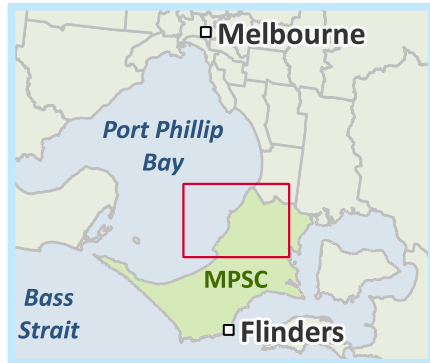


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Coastal studies

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 1: Northern Port Phillip

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

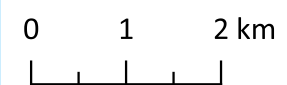
Study area

- Sub-area 1: Northern Port Phillip

Other features

- Local Government Area boundary
- Approximate modelling grid boundary

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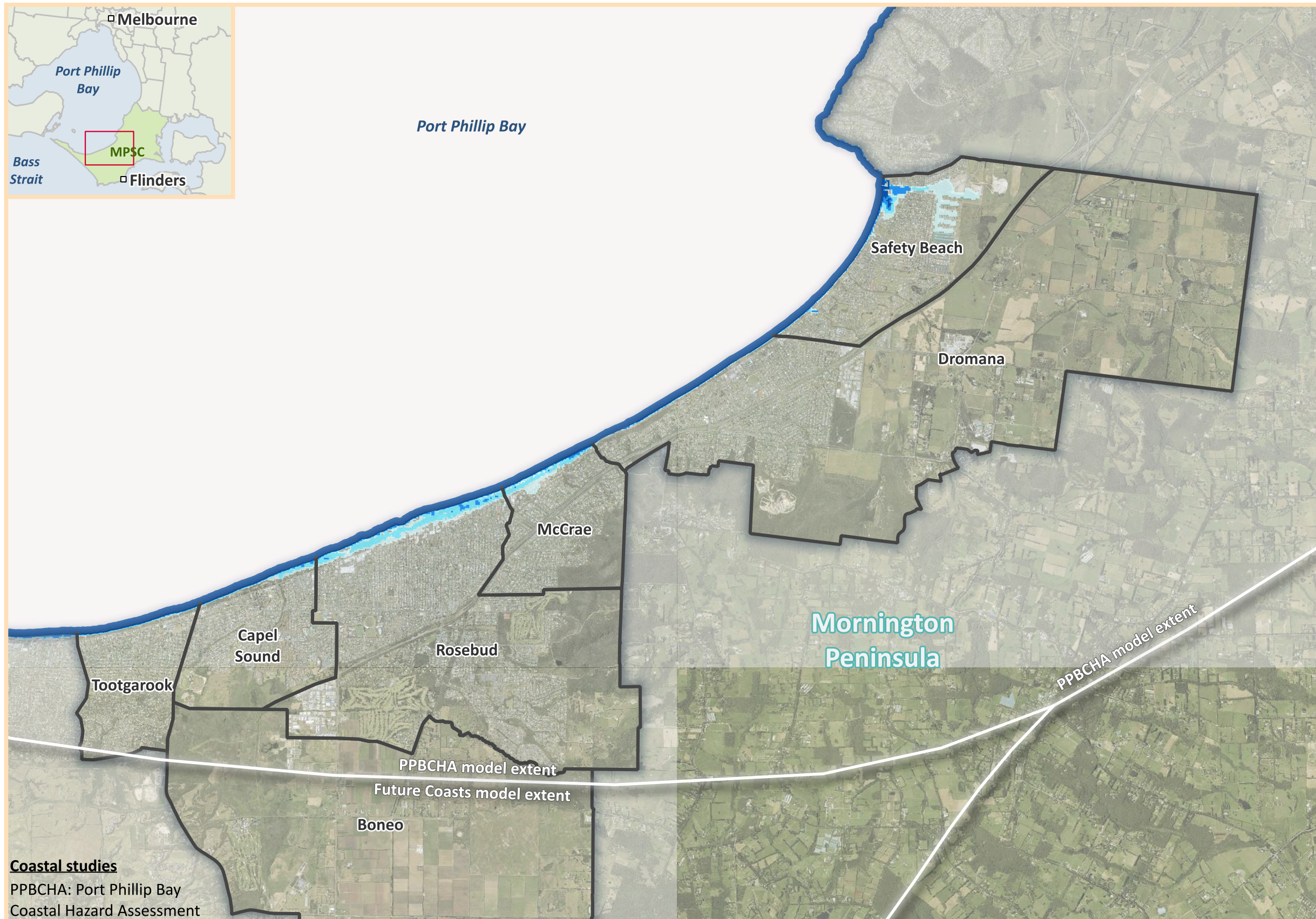
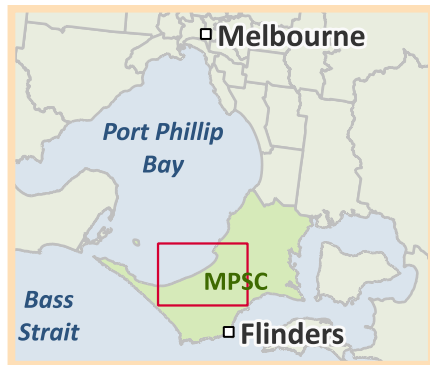


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Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment

Version 1: May 2024



Sub-area 2: Central Port Phillip

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

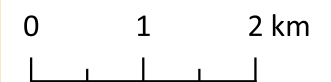
Study area

- Sub-area 2: Central Port Phillip

Other features

- Approximate modelling grid boundary

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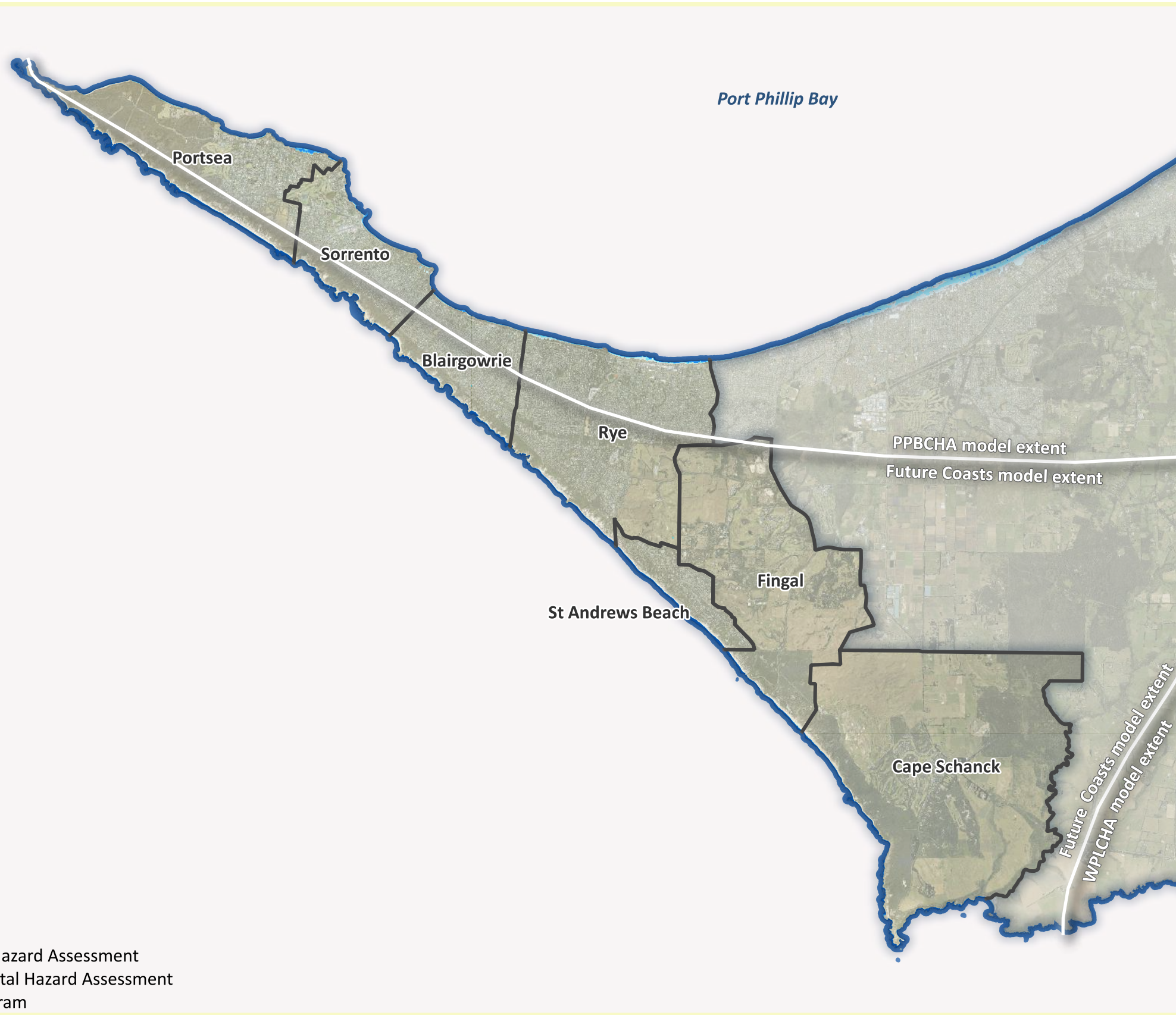
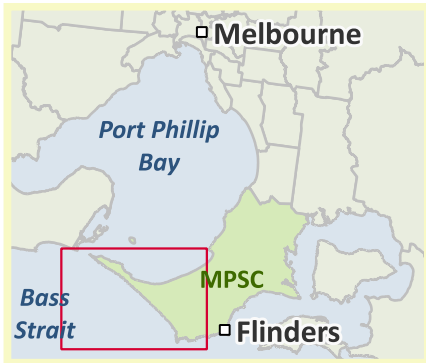


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Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment

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

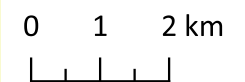
- Sub-area 3: Southern Peninsula

Other features

- Approximate modelling grid boundary

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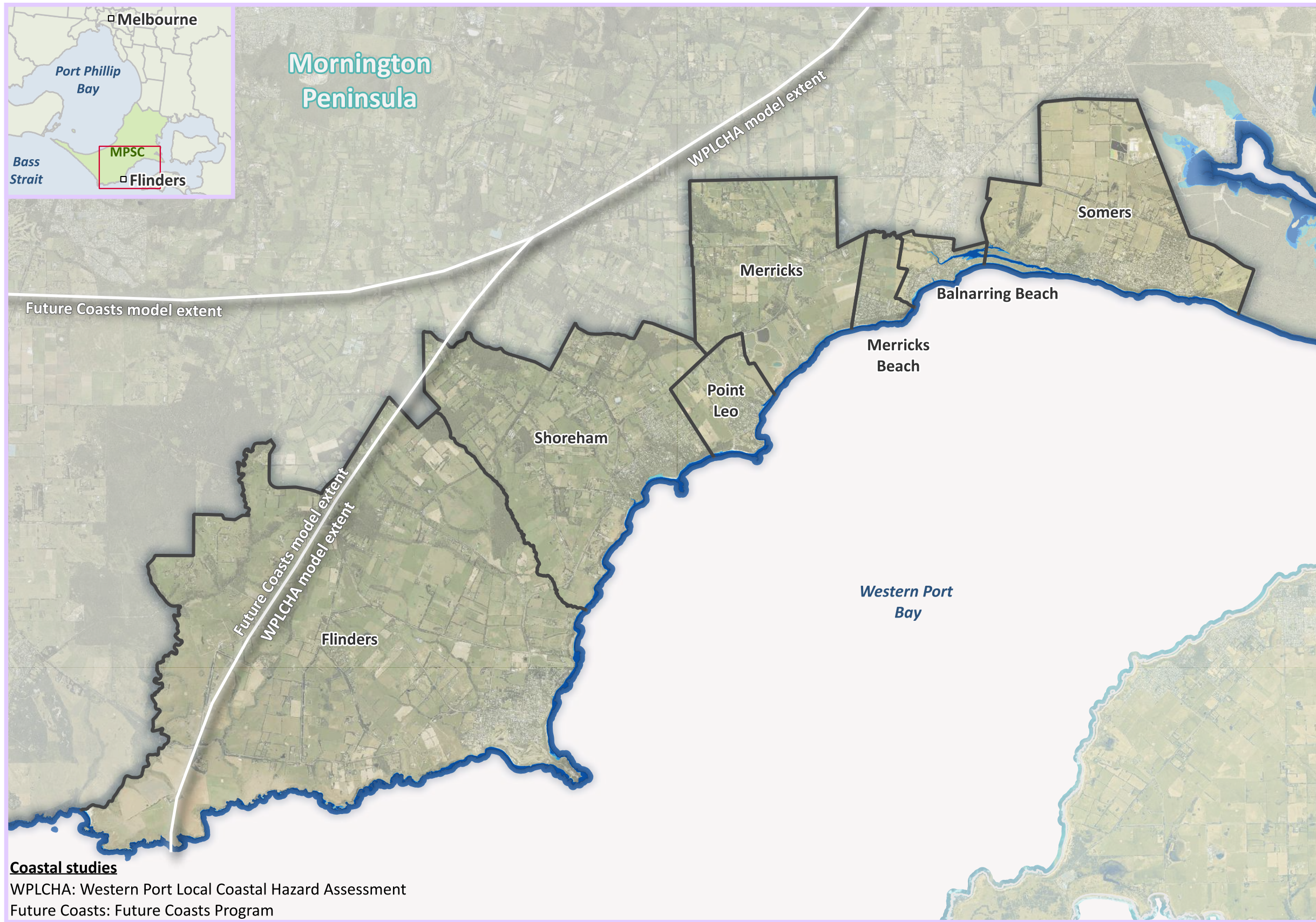


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Coastal studies

- 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 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

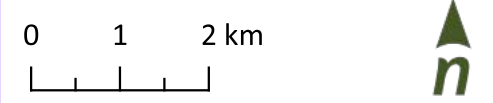
- Sub-area 4: Southern Western Port

Other features

- Approximate modelling grid boundary

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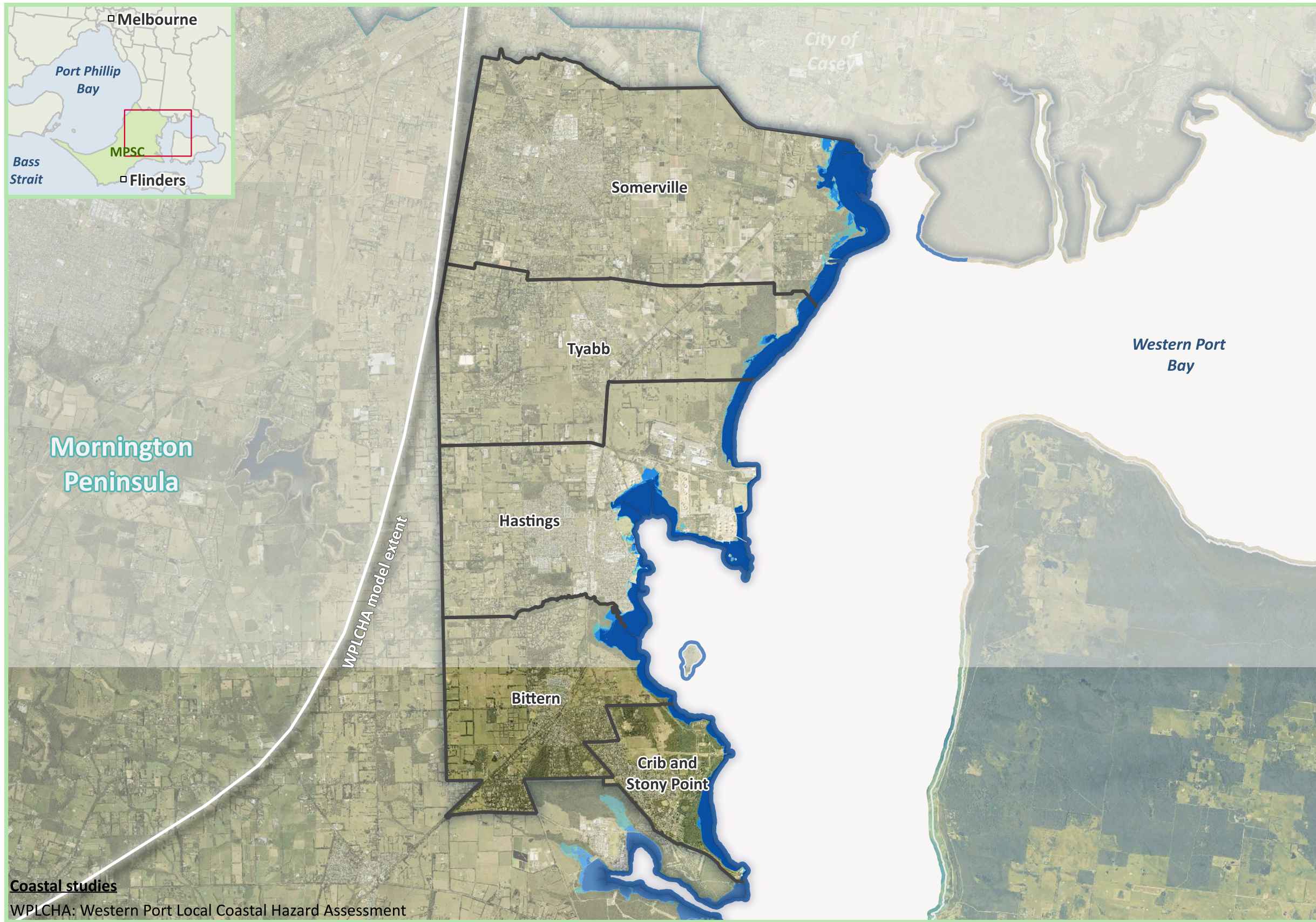


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Coastal studies

WPLCHA: Western Port Local Coastal Hazard Assessment
 Future Coasts: Future Coasts Program

Version 1: May 2024



Sub-area 5: Northern 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

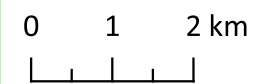
Study area

- Sub-area 5: Northern Western Port

Other features

- Local Government Area boundary
- Approximate modelling grid boundary

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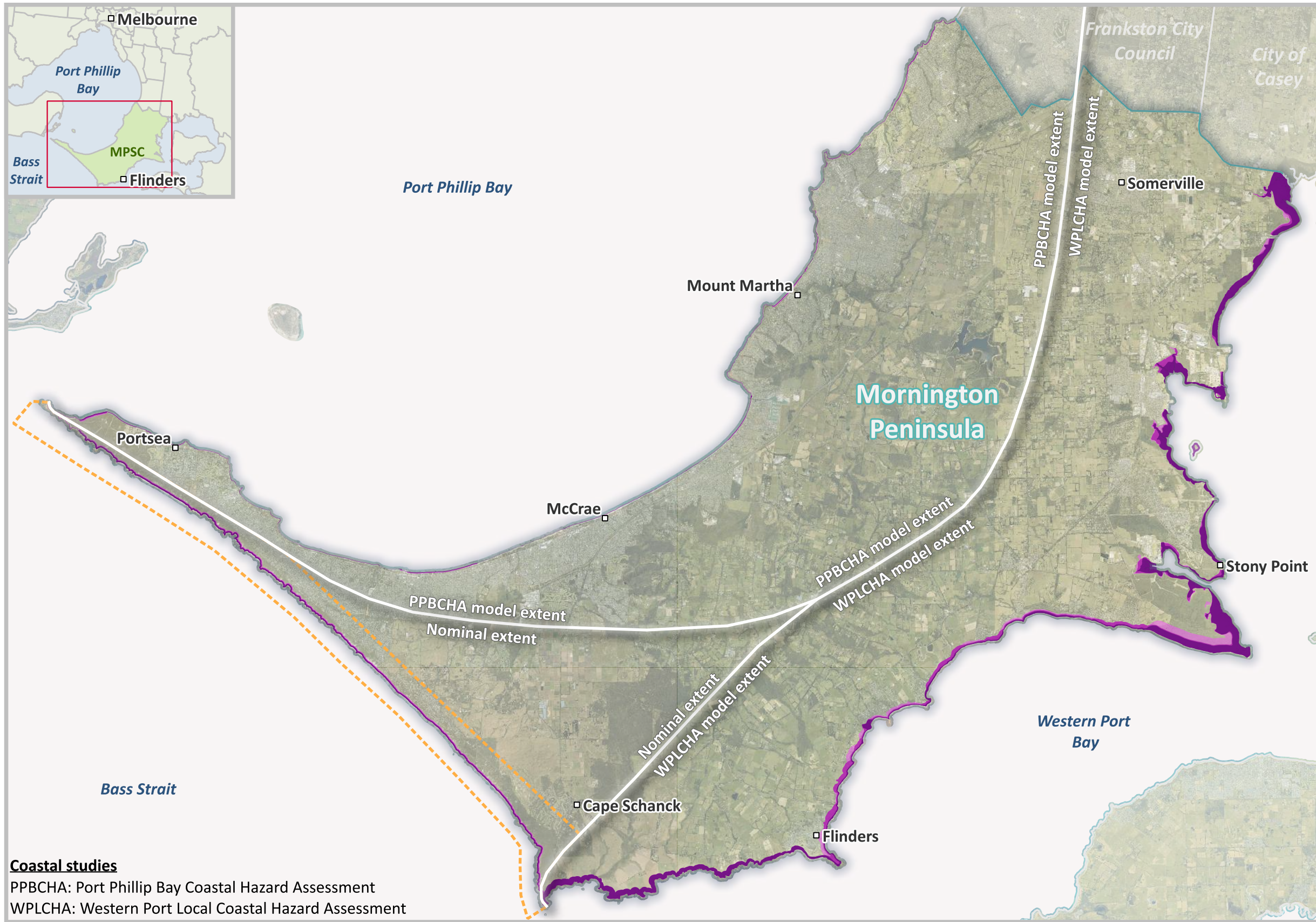


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Coastal studies

WPLCHA: Western Port Local Coastal Hazard Assessment

Version 1: May 2024



Region wide

Erosion extents

Erosion*

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

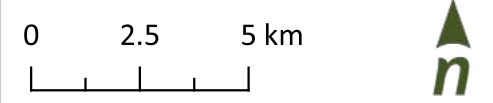
Other features

- Local Government Area boundary
- 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.

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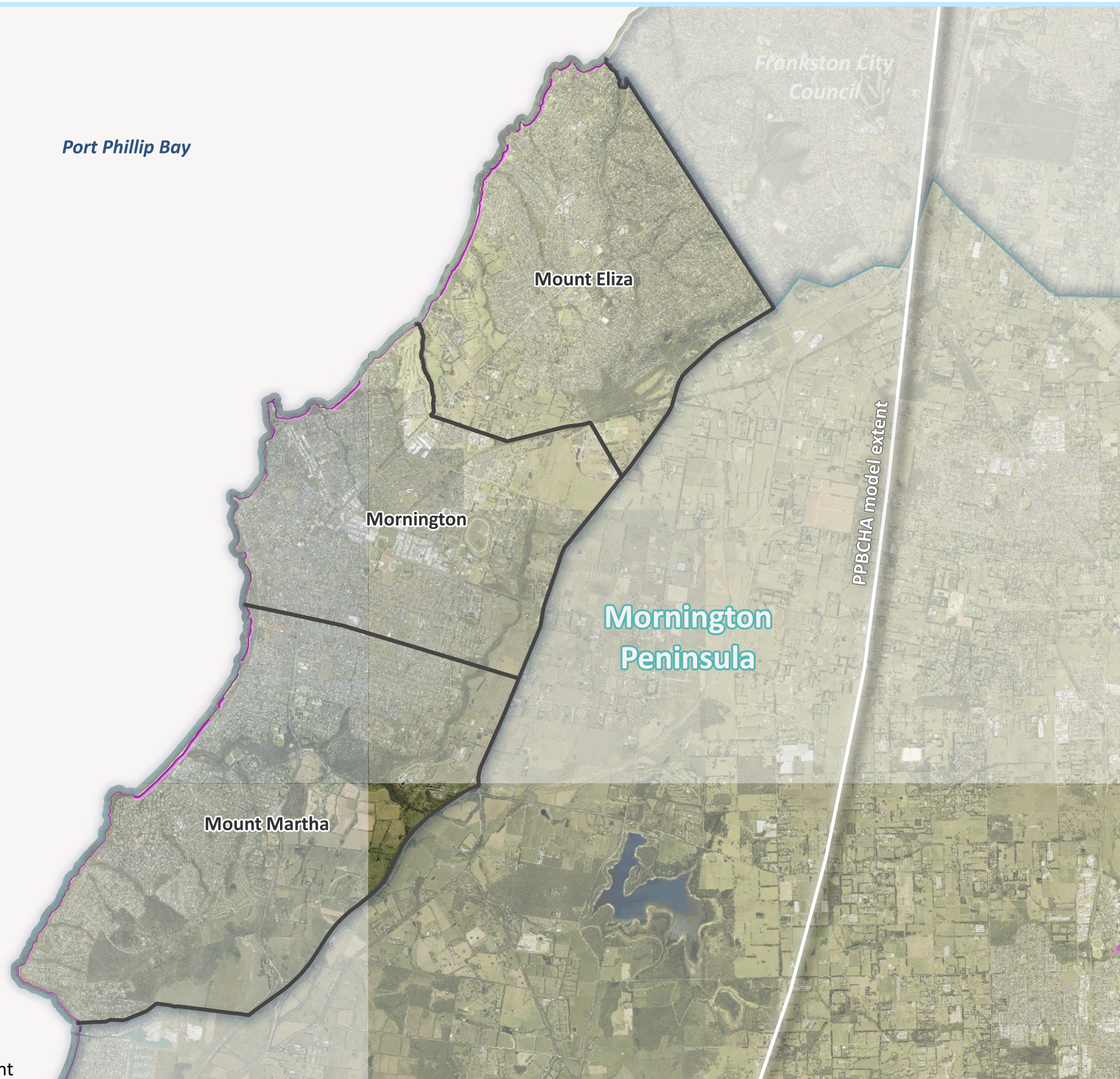
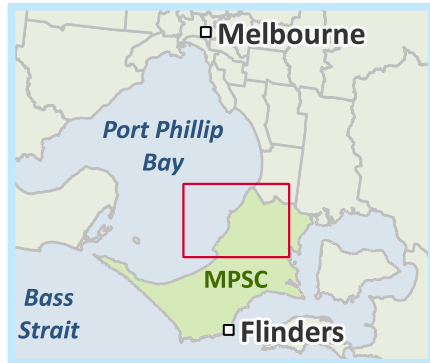


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Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment
WPLCHA: Western Port Local Coastal Hazard Assessment

Version 1: May 2024



Sub-area 1: Northern Port Phillip

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

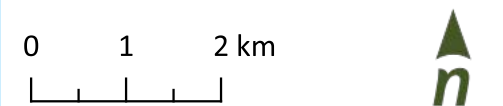
- Sub-area 1: Northern Port Phillip

Other features

- Local Government Area boundary
- Approximate modelling grid boundary

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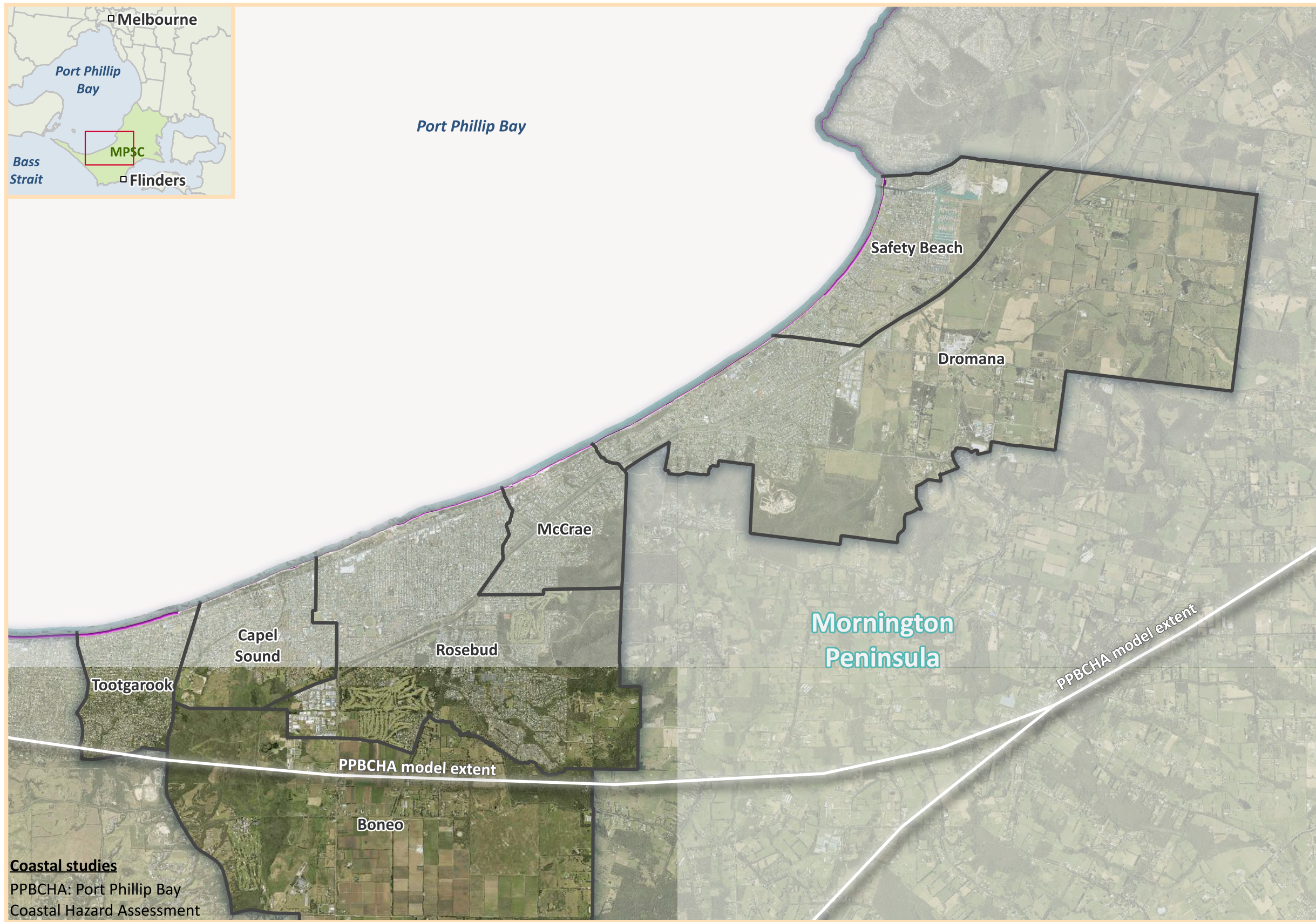
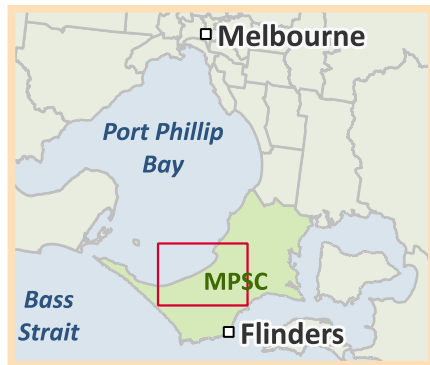


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Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment

Version 1: May 2024



Sub-area 2: Central Port Phillip

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

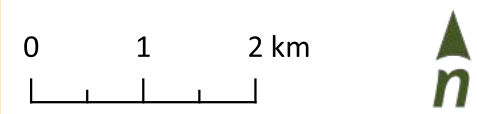
- Sub-area 2: Central Port Phillip

Other features

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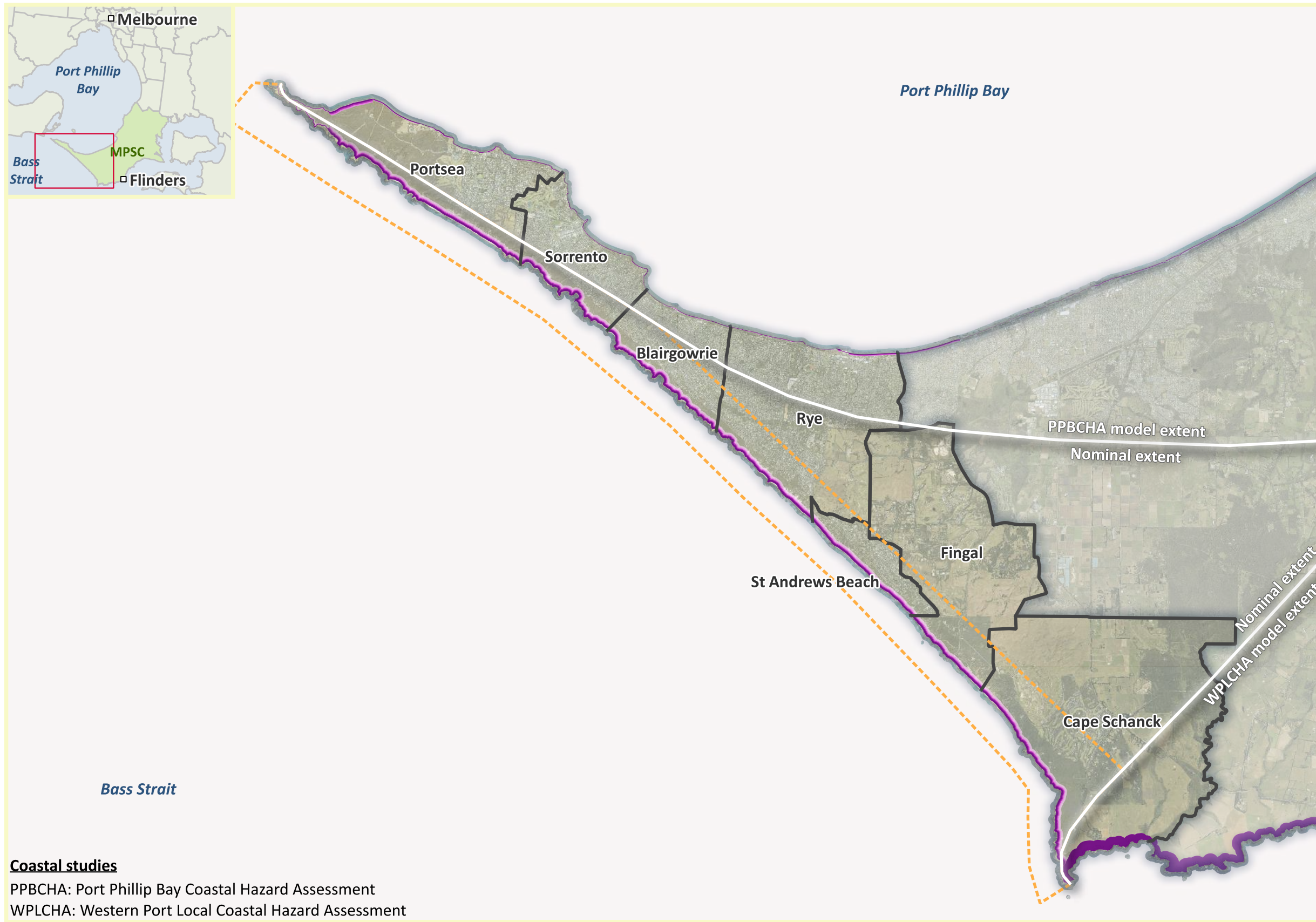
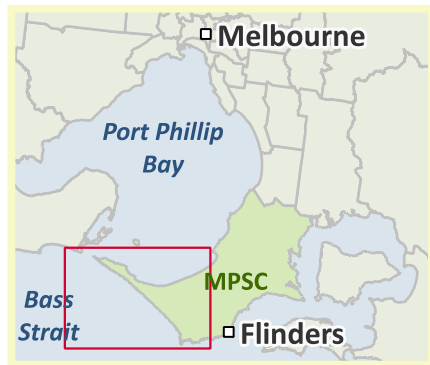


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Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment

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

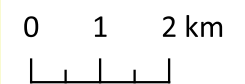
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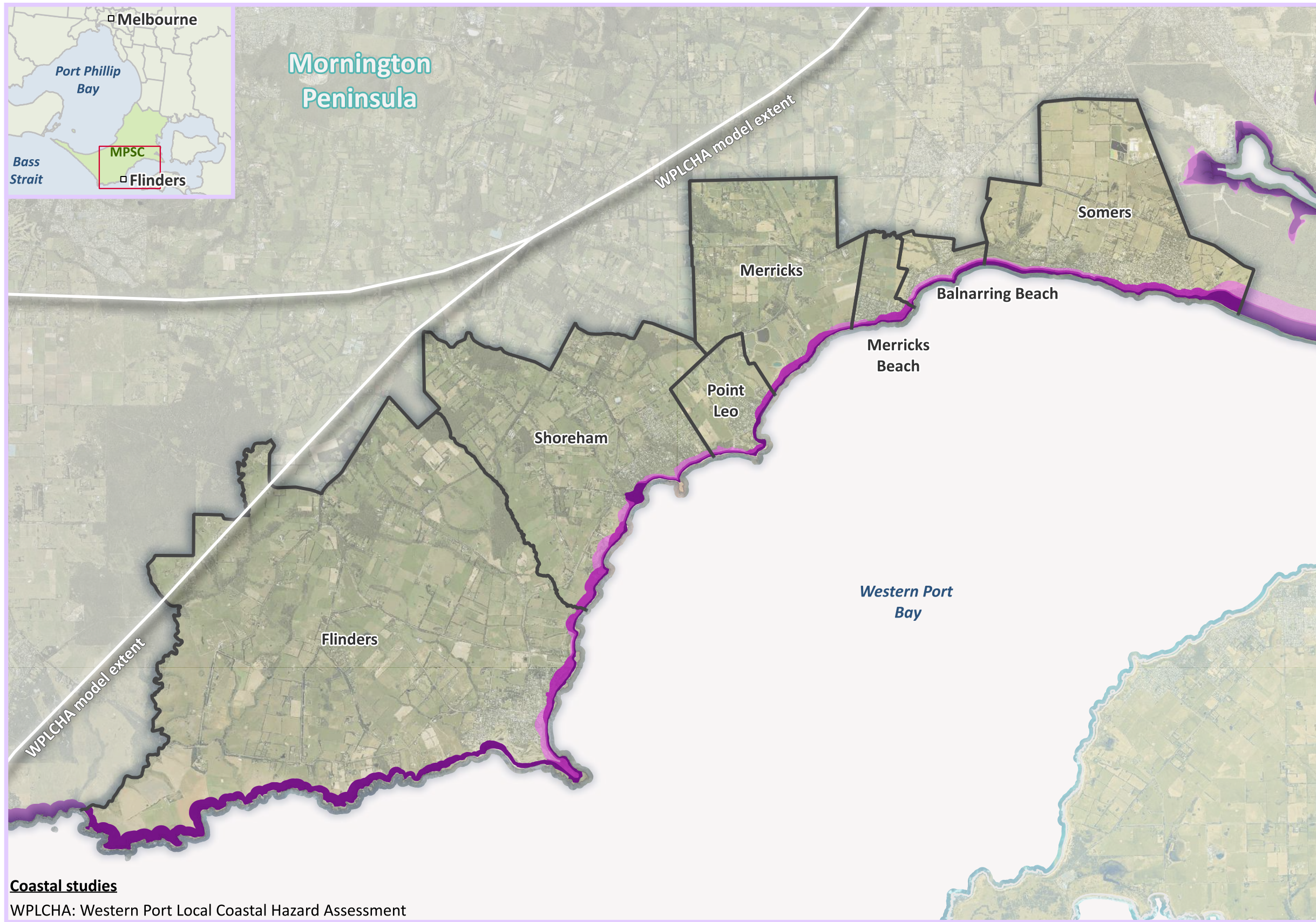


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Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment
WPLCHA: Western Port Local Coastal Hazard Assessment

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

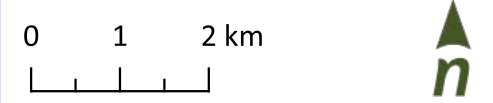
Study area

- 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.

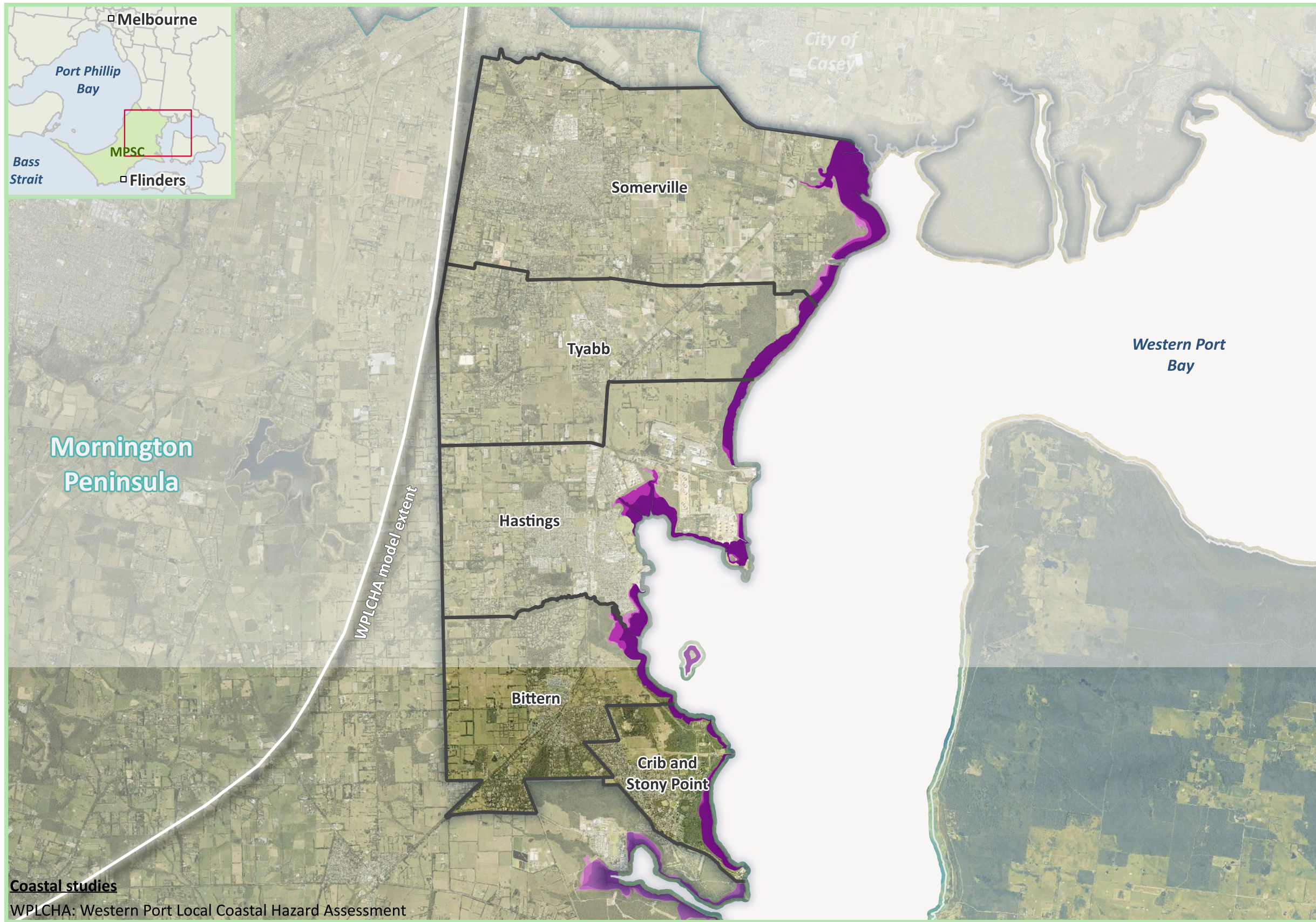


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Coastal studies

WPLCHA: Western Port Local Coastal Hazard Assessment

Version 1: May 2024



Sub-area 5: Northern Western Port

Erosion extents

Erosion*

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

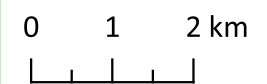
Study area

- Sub-area 5: Northern Western Port

Other features

- Local Government Area boundary
- Approximate modelling grid boundary

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

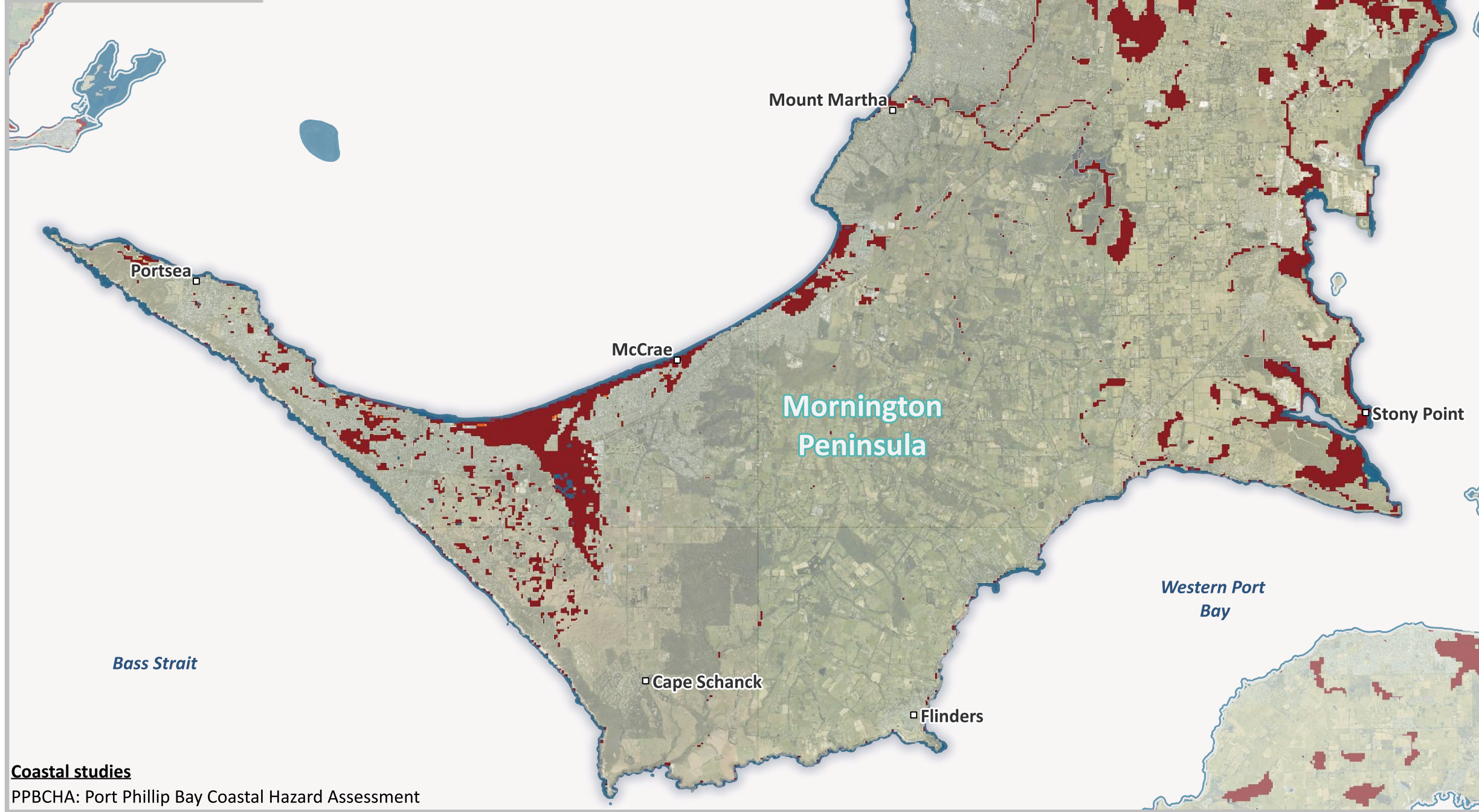
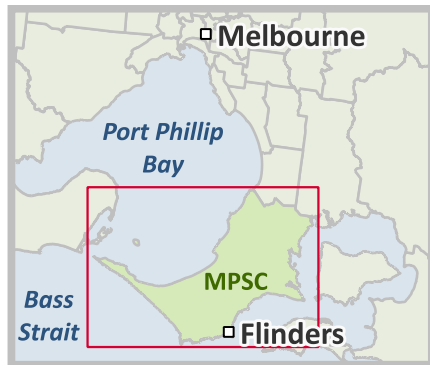


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Coastal studies

WPLCHA: Western Port Local Coastal Hazard Assessment

Version 1: May 2024



Region wide 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

Other features

- Local Government Area boundary

AHD: Australian Height Datum

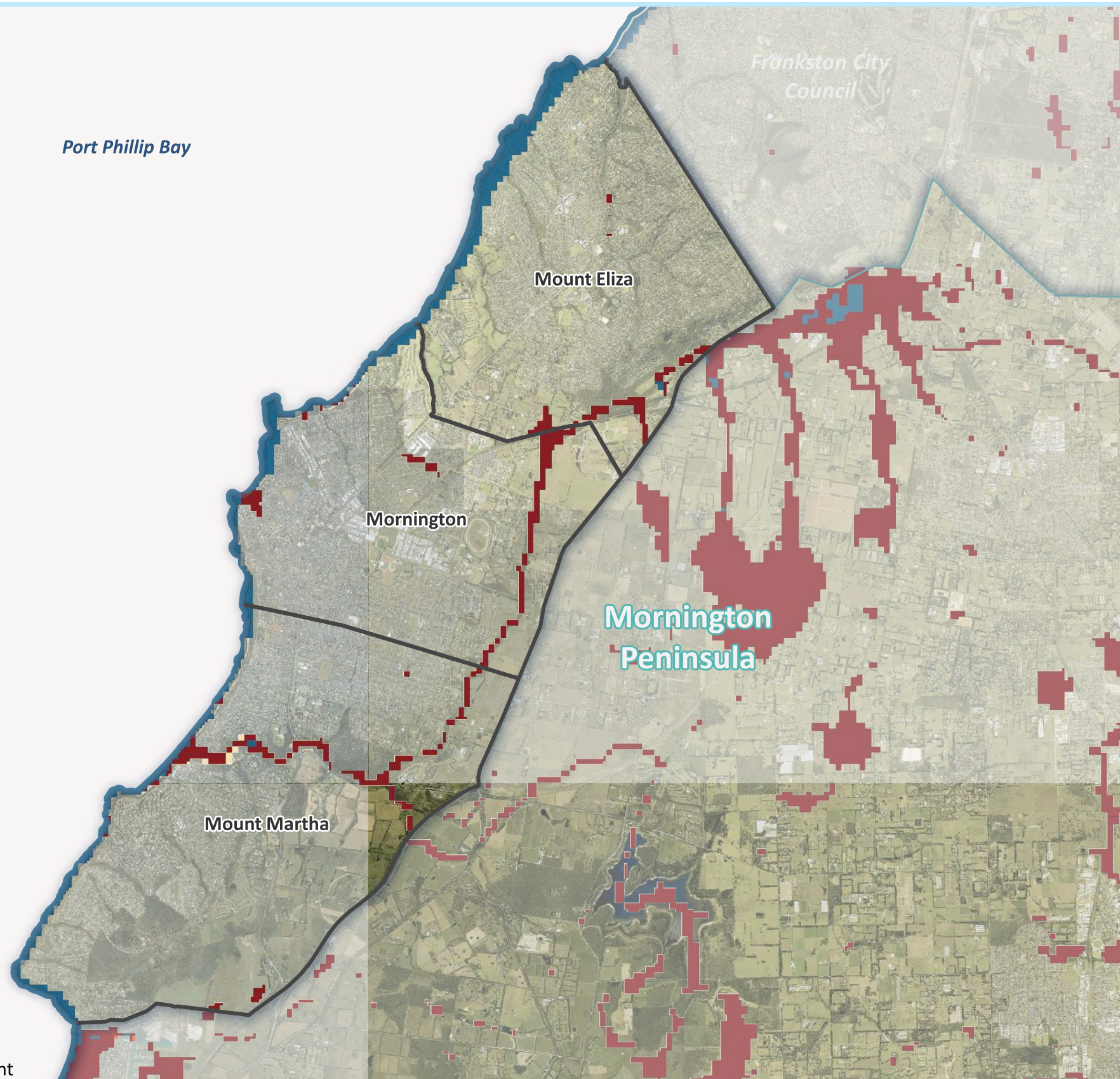
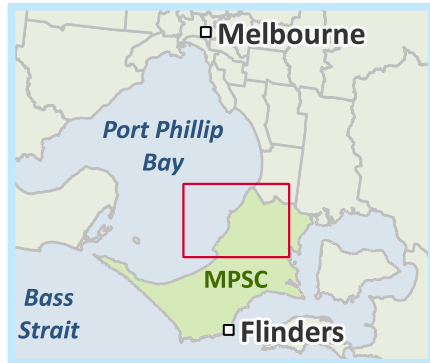
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Coastal studies
 PPBCHA: Port Phillip Bay Coastal Hazard Assessment

Version 1: May 2024



Sub-area 1: Northern Port Phillip

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

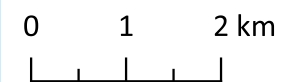
- Sub-area 1: Northern Port Phillip

Other features

- Local Government Area boundary

AHD: Australian Height Datum

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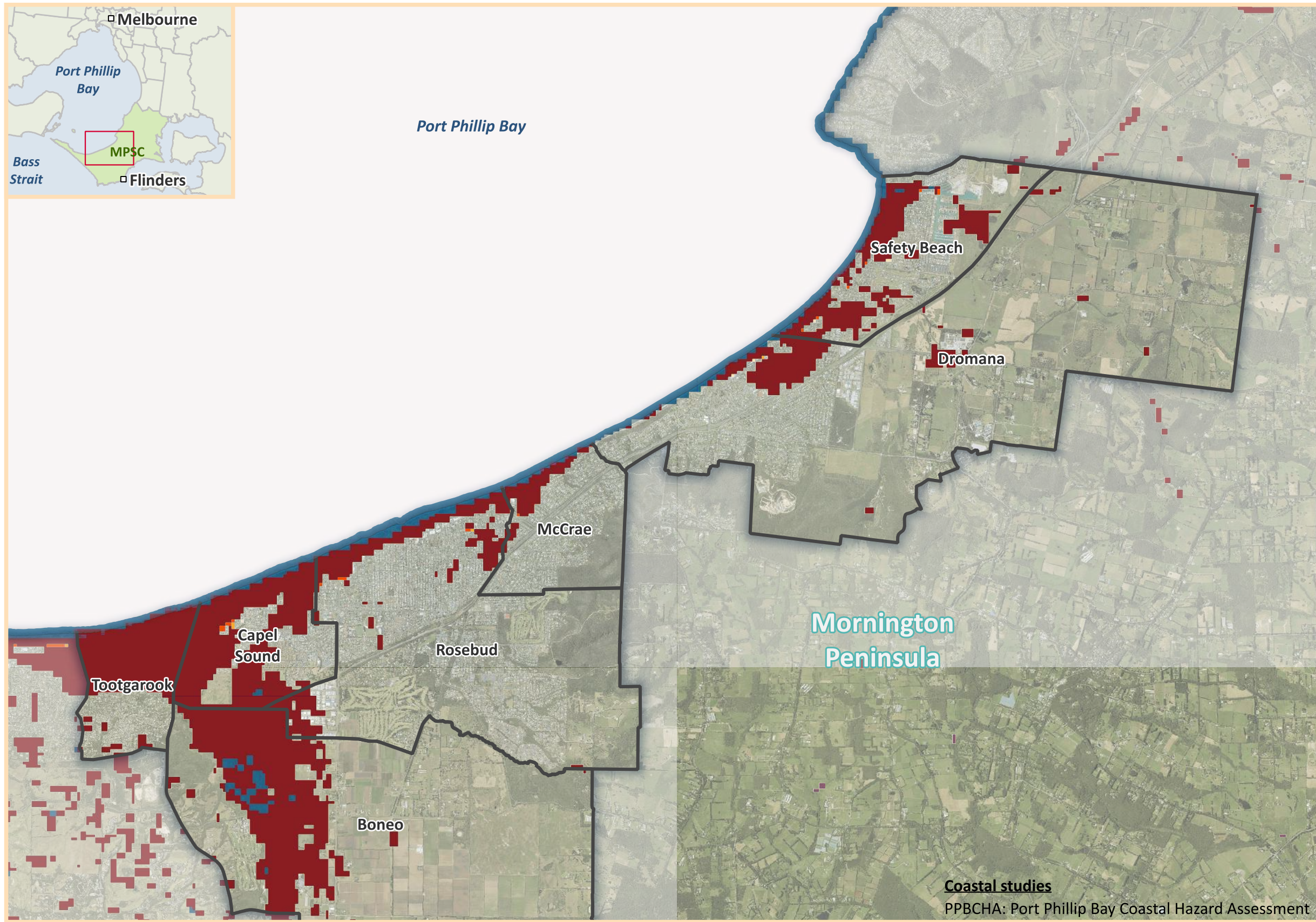
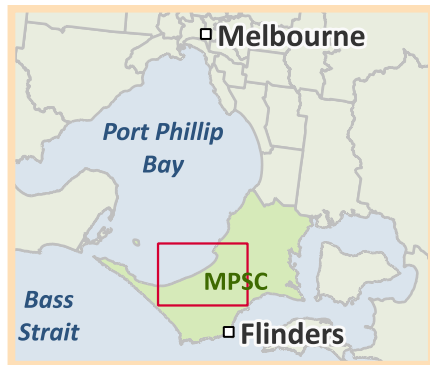


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Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment

Version 1: May 2024



Sub-area 2: Central Port Phillip

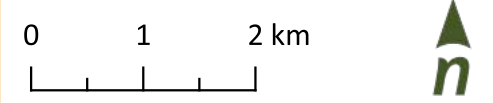
Groundwater depths
Shallow groundwater
(Depth: 0 m to 2 m AHD)

- 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 2: Central Port Phillip

AHD: Australian Height Datum

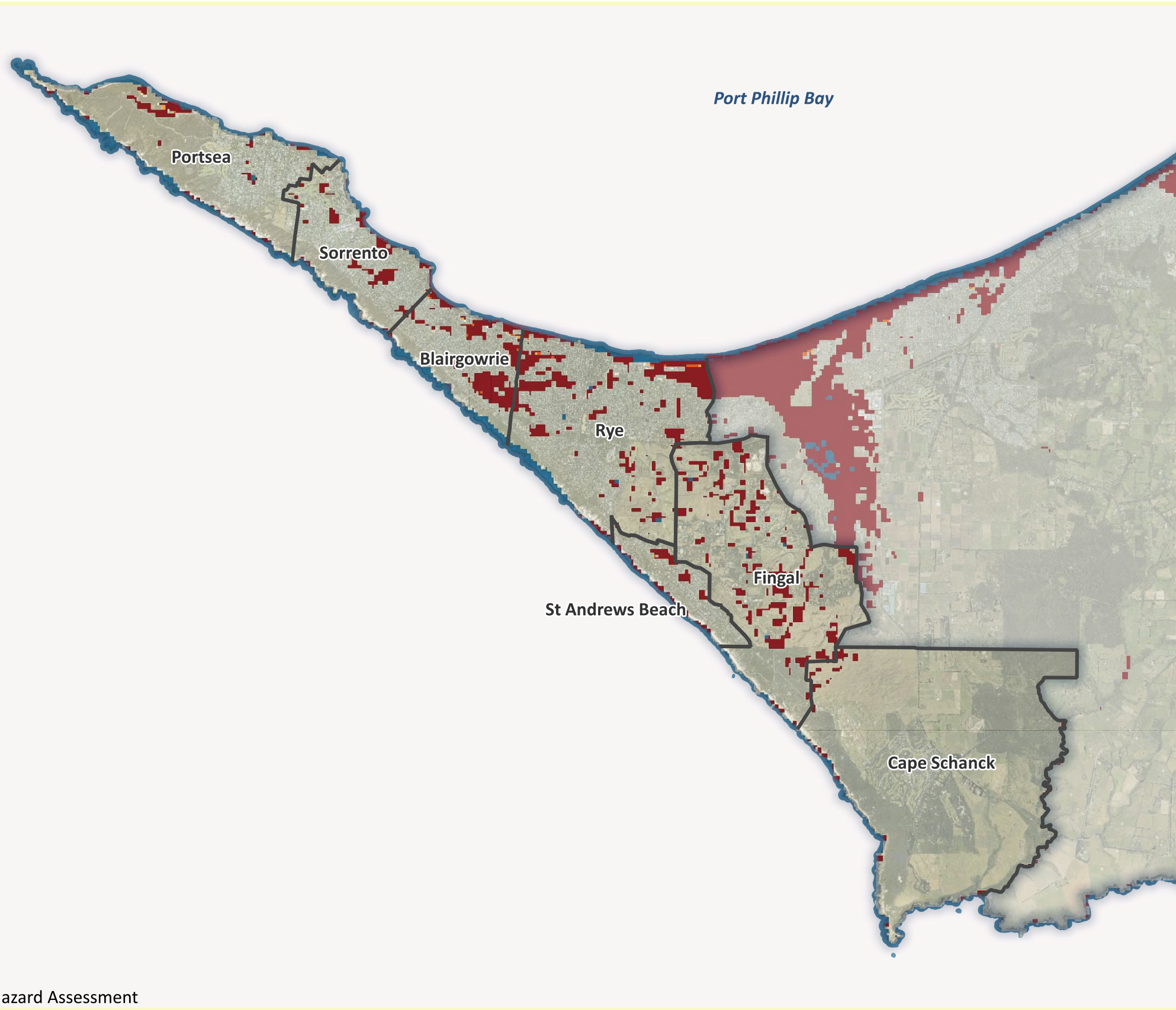
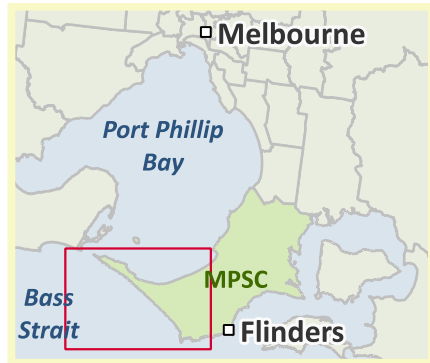
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Coastal studies
PPBCHA: Port Phillip Bay Coastal Hazard Assessment

Version 1: May 2024



Sub-area 3: Southern Peninsula

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

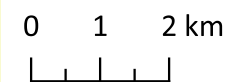
- Surface water (present day)
- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise
- 1.1 m sea level rise

Study area

- Sub-area 3: Southern Peninsula

AHD: Australian Height Datum

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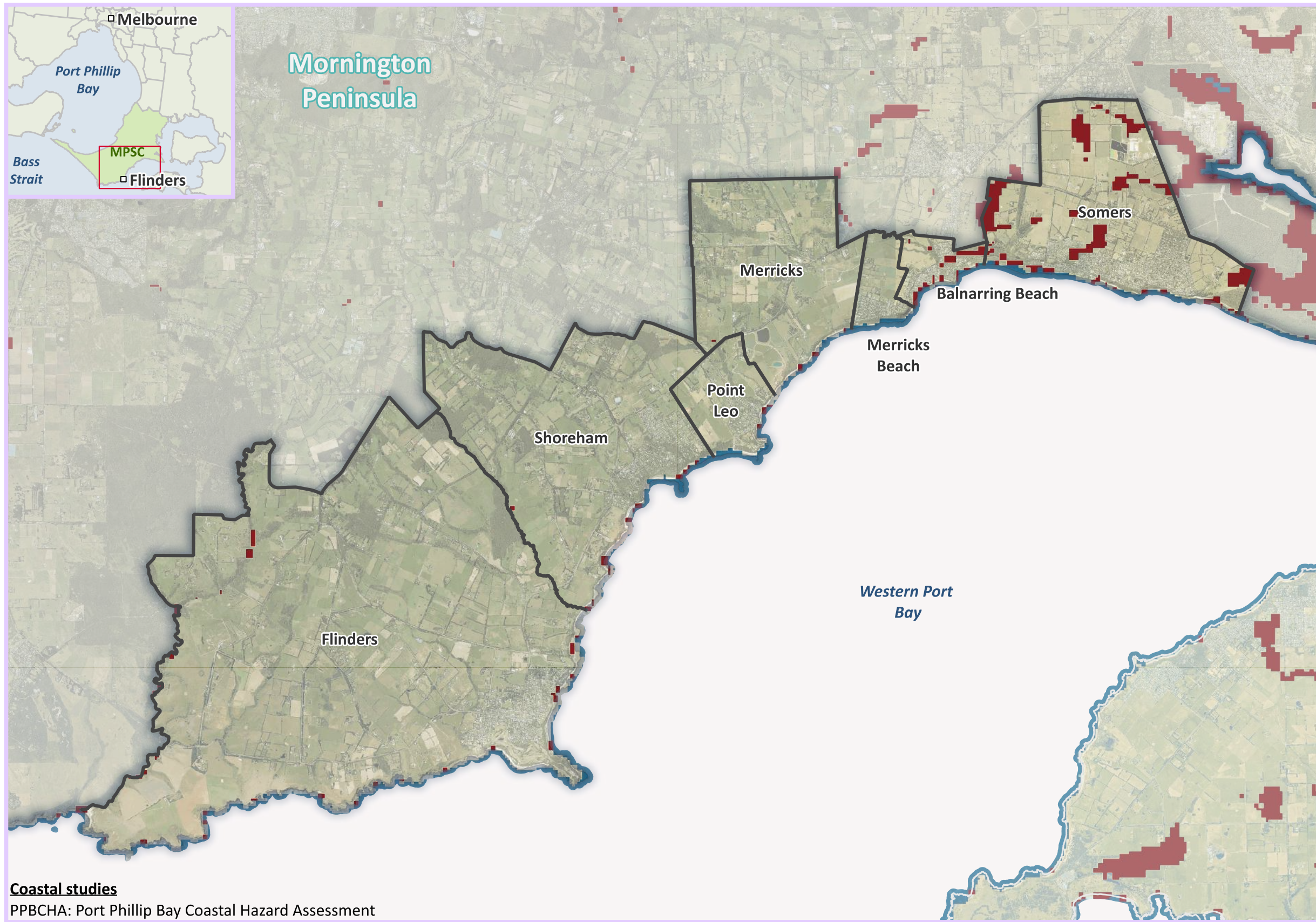
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Bass Strait

Coastal studies

PPBCHA: Port Phillip Bay Coastal Hazard Assessment

Version 1: May 2024



Sub-area 4: Southern Western Port

Groundwater depths

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

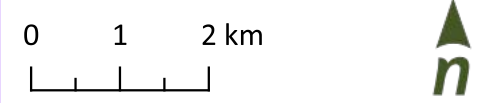
- Surface water (present day)
- 0.2 m sea level rise
- 0.5 m sea level rise
- 0.8 m sea level rise
- 1.1 m sea level rise

Study area

- Sub-area 4: Southern Western Port

AHD: Australian Height Datum

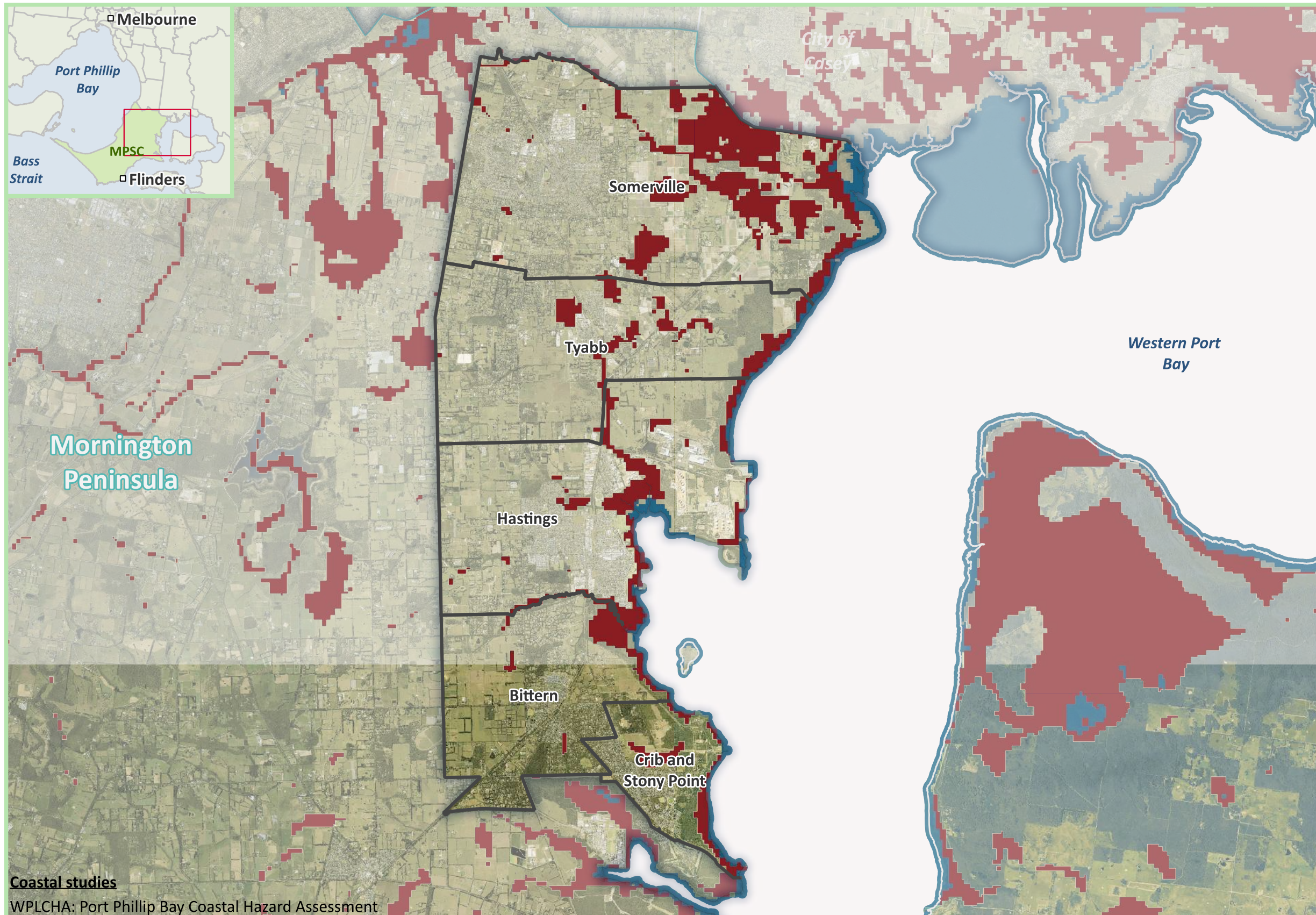
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Coastal studies
 PPBCHA: Port Phillip Bay Coastal Hazard Assessment

Version 1: May 2024



Sub-area 5: Northern 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

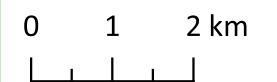
- Sub-area 5: Northern Western Port

Other features

- Local Government Area boundary

AHD: Australian Height Datum

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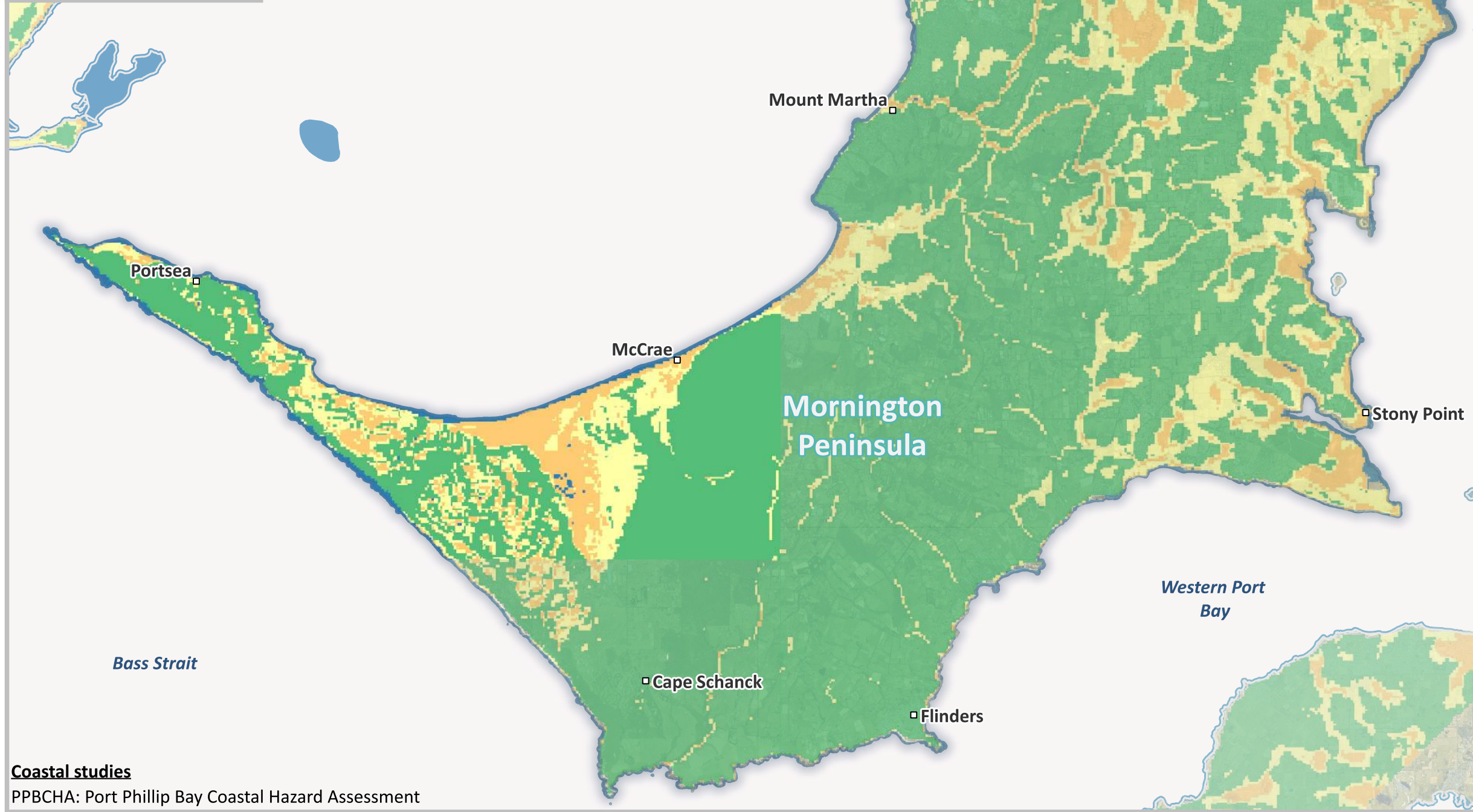
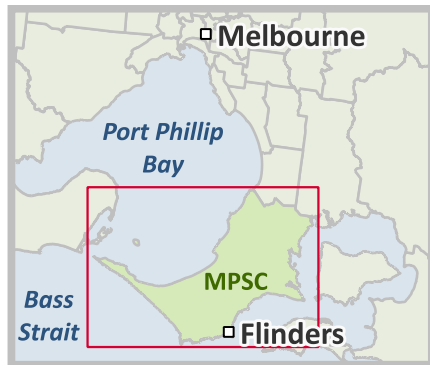


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Coastal studies

WPLCHA: Port Phillip Bay Coastal Hazard Assessment

Version 1: May 2024



Region wide Groundwater depths 0.8 m sea level rise

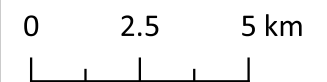
- Surface water
(Depth: Above 0 m AHD)
- Shallow groundwater
(Depth: 0 m to 2 m AHD)
- Intermediate groundwater
(Depth: 2 m to 5 m AHD)
- Deep groundwater
(Depth: Greater than 5 m AHD)

Other features

- Local Government Area boundary

AHD: Australian Height Datum

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