



Mouth of Port Phillip Bay VIC03.01.11

Regional Setting

This compartment extends from Point Nepean to Point Lonsdale.

It encompasses the tidal mouth of Port Phillip Bay but does not include the shoreline.

The dominant regional processes influencing coastal geomorphology in this region are the humid warm to cool temperate climate, micro-tides, south-easterly Tasman Sea swells, easterly seas, dominantly quartz (terrigenous) sediments with northerly longshore transport in the northern part, and the El Nino Southern Oscillation (driving beach erosion/accretion cycles, cyclone frequency).

Regional hazards or processes driving large scale rapid coastal changes include: East Coast Lows (extra-tropical cyclones), mid-latitude cyclones (depressions), and storm surges (<1m).

Justification of sensitivity

This compartment has been defined for mapping purposes only and does not include shorelines, consequently no shoreline sensitivity information is provided.

Other comments

N/A

Confidence in sources

N/A

Additional information (links and references)

See the adjoining compartment descriptions for information about coastal processes and shoreline sensitivity (VIC03.01.08, VIC03.01.09, VIC03.01.10, and VIC03.02.01).



Figure 1: *Compartment VIC03.01.11 Mouth of Port Phillip Bay.*