



Jerdacuttup Lakes WA02.02.02

Regional Setting

This sandy coast compartment extends from Mason Bay to Mary Ann Point.

The dominant regional processes are the Mediterranean to humid cool-temperate climate; southern annular mode (driving dominant south-westerly swells and storms); micro-tidal; high energy south-westerly swells; westerly seas; carbonate sediments; and interrupted swell-driven longshore transport.

This coastline is susceptible to regional hazards, including mid-latitude cyclones (depressions), storm surges and shelf waves.

Justification of sensitivity

Sensitivity rating is a 4 as the shoreline is currently stable but likely to start eroding.

There is apparent sediment transfer around rock headlands, although several beaches are perched landward of exposed platforms and shallow inshore lagoons.

Other comments

This compartment has a S aspect.

Geomorphological features include limestone platforms, cliffs, beaches, dunes and the Jerdacuttup Lakes

Around half (53%) of the coastline in this compartment consists of variable width sandy beach formed in areas protected by offshore reefs; these may include some beachrock as low cliffs or headlands. The remainder (47%) consists of broad, smooth curving sandy beach, which may be cusped or crenulate, formed between or in association with resistant headlands.



Confidence in sources

Low confidence: Interpretation of landform assemblages comes from site visits, satellite imagery and aerial photography. There is limited or no information available describing landforms or coastal landform change over the historical period. Some information is available for Hopetoun at Mary Point.

Additional information

Australian Beach Safety & Management Program (ABSAMP) database of over 12,000 beaches can be accessed at http://www.ozcoasts.gov.au/coastal/beach_intro.jsp (also see Surf Life Saving site)

Australian Maritime Safety Authority (AMSA). (2006) Oil Spills Response Atlas. Australian Government Canberra. Available at <https://www.amsa.gov.au/environment/maritime-environmental-emergencies/national-plan/general-information/OSRA/index.asp>

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Short AD. (2005) Beaches of the Western Australian Coast: Eucla to Roebuck Bay: A guide to their nature, characteristics, surf and safety. Australian Beach Safety and Management Program. University of Sydney Coastal Studies Unit and Surf Life Saving Australia. Sydney University Press. Sydney, New South Wales.