



## Sandy Bight WA02.01.01

### Regional Setting

This mixed sand and rock coast compartment extends from Cape Pasley to Cape Arid.

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 mid-latitude cyclones (depressions), storm surges and shelf waves.

### Justification of sensitivity

Sensitivity rating is a 3 as the shoreline is currently stable and likely to remain stable.

This is a mainly rocky coast with some sandy beaches in small embayments. A long sandy beach in the east may have a higher local rating of 4 due to active dunes.

### Other comments

This compartment has a S aspect.

Geomorphological features include the Recherche Archipelago, granite headlands and coast, arcuate beach and parabolic dunes.

This compartment mainly consists of exposed high energy shorelines with eroded igneous or metamorphic rocks associated with overlying beachrock or eolean limestone (72%). Broad arcuate sandy beach, which may be cusped or crenulate, is formed between, or in association with resistant headlands (28%).



### **Confidence in sources**

Low confidence: Interpretation of landform assemblages comes from satellite imagery and aerial photography. There is limited or no information available describing landforms or coastal landform change over the historical period.

### **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](http://www.ozcoasts.gov.au/coastal/beach_intro.jsp) (also see Surf Life Saving site)

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