



## Israelite Plain WA01.03.02

### Regional Setting

This sandy coast compartment extends from Wattle Camp to Israelite Bay (N).

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 4 as the shoreline is currently stable but likely to start eroding. Active dunes are retreating landward over old coastal plains and coastal lagoons (salt flats).

### Other comments

This compartment has an ESE aspect.

Geomorphological features include rock platforms, sand sheets, seagrass banks, beaches, dune ridges, coastal lagoons, and limestone cliffs.

Most of the coast is comprised of broad, gently-sloping, sandy beach with well vegetated primary dune, often backed by parallel beach ridges or stabilised parabolic dunes (78%). The remainder consists of broad, gently-sloping, coarse-grained, sandy beach with some active dunes and unstable blowout areas (22%).



### **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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