

# LONSDALE BIGHT COASTAL PROCESSES STUDY



Natural Resources  
and Environment

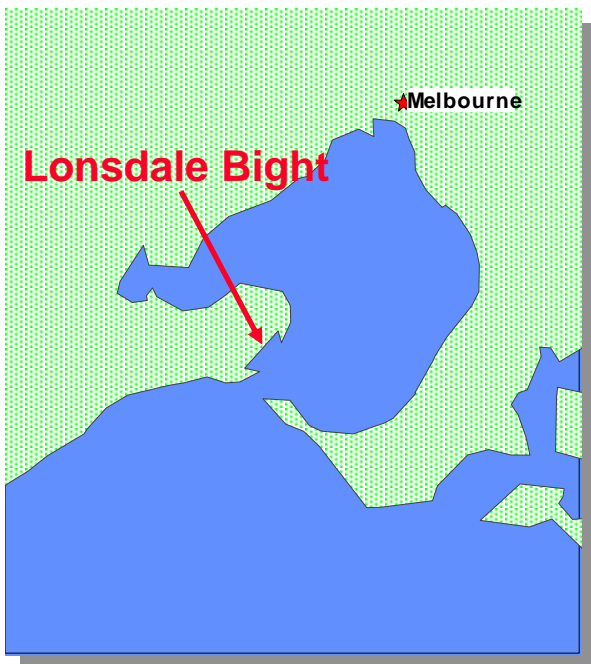


## PROJECT DESCRIPTION

Coastal erosion has been a problem in Lonsdale Bight, adjacent to the entrance of Port Phillip Bay, for many years. Swell waves from Bass Strait can penetrate passed the Heads onto the local beaches and strong tidal flows through the area known as The Rip can act to modify the wave energy depending on the state of the tide.

An investigation into the complex coastal processes within this region was seen as the first step towards developing better long term strategies for coastal and foreshore protection in the area and to generally improve the beach amenity for the community.

*SEA* personnel were engaged initially to assist in the technical review of a number of detailed submissions from coastal engineering consultants. This considered the overall methodology, data collection, expertise and experience of the study team and concentrated particularly on the numerical modelling tools being proposed.



Following the award of the coastal process investigation study to Vantree Pty Ltd, in association with Lawson and Treloar Pty Ltd and others, *SEA* was asked to participate in a technical peer review phase involving a workshop and detailed comment on the study methodology, outcomes, and recommendations.

## CLIENT

Dept of Natural Resources and Environment,  
State of Victoria.

## LOCATION

Lonsdale Bight, Port Phillip Bay

## *SEA* PERSONNEL PROVIDED

- *Expert independent review of study tender submissions*
- *Participation in technical review workshop*
- *Detailed peer review and comment on final reports and recommendations*



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