495163

BINALONG BAY

Coastal dunes and beaches formed on recent calcareous sands are found on the east coast between Eddystone Point and Binalong Bay, and in the north-west at Badger Head and Bakers Beach.This system adjoins the undulating plains of the Ansons Bay Land System (493124). Sections of Binalong Bay Land System are included in an area previously described by Stephens and Cane (1937).

Deep sand soils have developed on all components. Those on the beach and fore-dunes are undifferentiated, while those on the hind-dunes are weakly differentiated. The sand soil on the plains has an organic-iron layer at depth.

A tussock grassland of marram grass has stabilised the fore-dunes, while coast wattle, honeysuckle and prickly mimosa comprise the closed-scrub vegetation on the hind-dunes. The sand plains carry an open-scrub vegetation dominated by black peppermint, manuka, honeysuckle, prickly mimosa and paperbark.

Major land uses are recreation and nature conservation, although small areas of the plains have been sown to pasture for grazing.

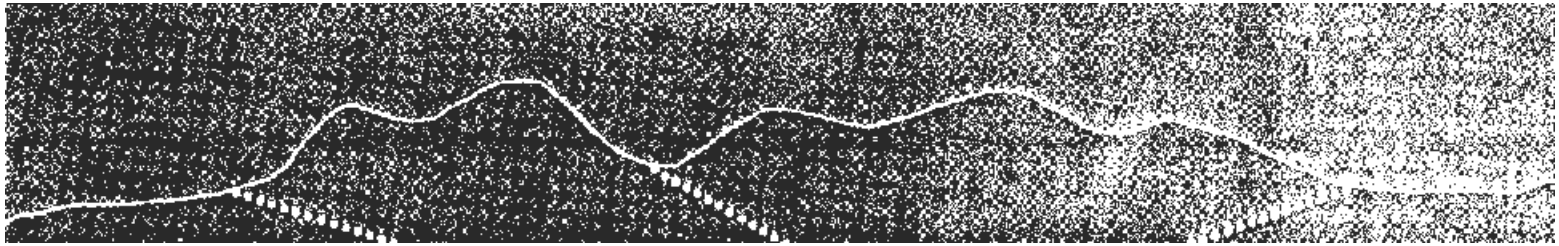
Wind and water erosion are the main hazards associated with the sandy soils. Small ' blow-out' dunes have developed in some localities.

Foredunes and beach.

LAND SYSTEM

495163

Binalong Bay



COMPONENT	1	2	3	4
PROPORTION %	15	25	45	15
CLIMATE	Average Annual Rainfall 750-1 000 mm			
GEOLOGY	Quaternary— recent calcareous sands			
TOPOGRAPHY				
Land form		Coastal dunes and beaches		
Position	Beach	Foredunes	Hind dunes	Sand plains
Average Sideslope °	1	3	3	1
NATIVE VEGETATION				
Structure	No vegetation	Tussock grassland	Closed-scrub	Open-scrub
Association		Marram grass	Coast wattle, honeysuckle, prickly mimosa	Black peppermint, manuka, honeysuckle, prickly mimosa, paperbark, heath, bracken fern
SOIL	Undifferentiated yellow (10 YR 7/6) calcareous sand soil, uniform texture		Weakly differentiated pale brown (10 YR 7/4) sand soil, uniform texture	Light brownish grey (2.5 Y 6/2) sand soil, uniform texture, organic-iron layer
Surface Texture	Sand			Loamy sand
Permeability	High			Moderate
Average Depth m	>2.0			
PRESENT LAND USE	Recreation			
HAZARDS	Sea and wind erosion	High wind erosion		Moderate wind erosion