

384122

DIANAS BASIN

Lying between the coastal dunes and the low hills of the Scamander and Skyline Tiers is an undulating plain of Tertiary clays and gravels.

The soils are characterised by deep, mottled duplex profiles. An iron-organic B horizon occurs in the profiles on the upper components. A cemented gravel A2 horizon, has formed in the profiles on the lower component.

Black peppermint, yacca and *Casuarina monilifera* dominate the open-forest vegetation on the upper

plains. A woodland dominated by stringybark, *Casuarina monilifera* and silver wattle was found on the lower plains. On the lowest component the woodland is dominated by white gum, blue gum and native cherry.

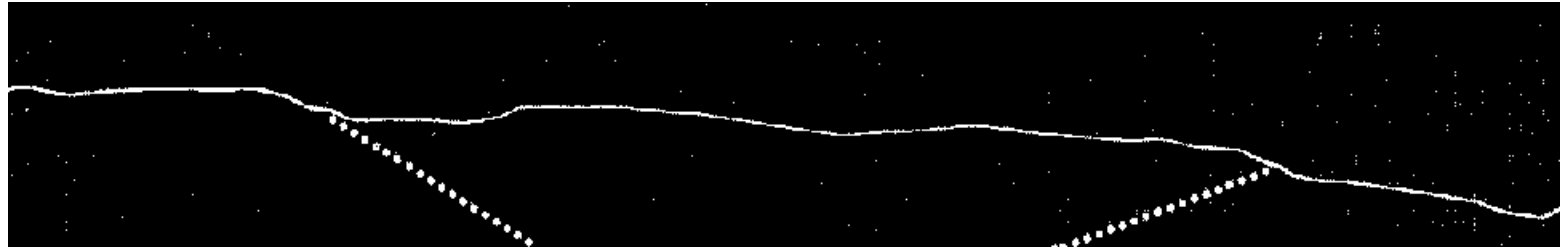
Although mainly undeveloped, the area is used for recreation and a number of holiday cottages have been erected, especially in the southern part of the system. Small areas are used for grazing especially on the upper component.

Problems from wind and water erosion could be expected.

LAND SYSTEM

384122

Dianas Basin



COMPONENT	1	2	3
PROPORTION %	20	60	20
CLIMATE	Average Annual Rainfall 625-750 mm		
GEOLOGY	Tertiary clays and gravels		
TOPOGRAPHY	Undulating plains		
Land form	Undulating plains		
Position	Upper plains	Lower plains	Slopes and drainage lines
Average Sideslope °	1	1	2
NATIVE VEGETATION	Woodland		
Structure	Open-forest	Woodland	
Association	Black peppermint, yacca, <i>Casuarina monilifera</i> , bracken fern, sedges	Stringybark, <i>Casuarina monilifera</i> , silver wattle, heath, sunshine wattle, <i>Erica lusitanica</i> , bracken fern	White gum, blue gum, native cherry, <i>Acacia mucronata</i> , heath, manuka, bitter leaf, bracken fern, sedges
SOIL	Mottled yellow (2.5 Y 8/6) light grey (10 YR 7/1) duplex soil, with iron-organic B horizon	Mottled strong brown (7.5 YR 5/8) grey (10 YR 6/1) duplex soil	Mottled grey (10 YR 5/1) reddish yellow (7.5 YR 6/8) duplex soil, with cemented gravel A2
Surface Texture	Loamy sand		Gravelly clay loam
Permeability	Moderate		
Average Depth m	>2.0		
PRESENT LAND USE	Nature conservation, recreation, grazing		
HAZARDS	Moderate wind and rill erosion		Moderate gully and rill erosion