

594122

GUNNS PLAINS

An area of undulating plain has developed on Quaternary alluvial deposits occupying that section of the River Leven floodplain known as Gunns Plains.

Stones within the solum prevented determination of the actual soil depth of the yellowish red soils found on the gentle footslopes of the valley floor. Slowly permeable and poorly drained duplex soils appear to form a terrace slightly above the present

floodplain, while a deep, fine-structured gradational profile was found on examination of an eroded bank of the river.

Few remnants of the native vegetation remain but white gum and swamp gum are likely to have dominated a forest community.

The area is used for grazing and cropping.

A high erosion hazard exists along the banks of the river and undermining results in slumping. Water logging must be a problem on the mottled soils of the upper terrace.

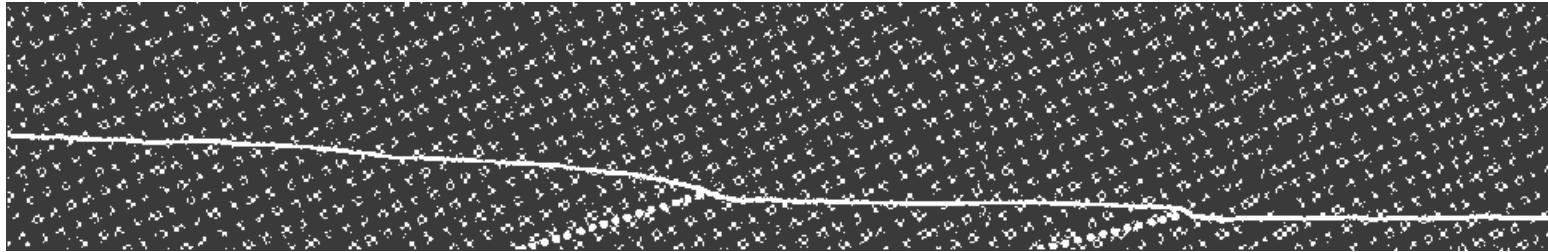


Gunns Plains surrounded by steeper timbered country.

LAND SYSTEM

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Gunns Plains



COMPONENT	1	2	3
PROPORTION %	45	30	25
CLIMATE	Average Annual Rainfall 1 000-1 250 mm		
GEOLOGY	Quaternary alluvium		
TOPOGRAPHY Land form	Undulating plain		
Position	Gentle slopes	Upper terrace	Floodplain
Average Sideslope °	4	1	<1
NATIVE VEGETATION	Open forest		
Structure	White gum, swamp gum		
Association			
SOIL	Yellowish red (5 YR 4/6) gradational soil	Mottled greyish brown (2-5 Y 5/2), yellowish brown (10 YR 5/8) duplex soil	Brown (7-5 YR 4/2) gradational soil, fine structure
Surface Texture	Clay loam		Loam
Permeability	Moderate	Low	High
Average Depth m	>1.0	>1.8	>.20
PRESENT LAND USE	Grazing, cropping		
HAZARDS		Moderate waterlogging	High streambank erosion