

582231

BERKLEY

The low hills and undulating plains of this system have formed on Tertiary basalt in two separate localities within the Region. The main occurrence is to the west of Deloraine in the Dairy Plains area, with three small areas to the east of Launceston between White Hills and Underwood. A small area is found in Region 3. In the area to the west of Deloraine, the system adjoins the poorly drained Dairy Plains Land System (593112). Some parts of this system in this area have been previously described by Nicolls (1959).

All soils are gradational, with those on the two upper components stony and those on components 1 and 3 friable.

White gum, swamp gum, stringybark and black peppermint dominate the open-forest canopy, with blackwood and silver wattle the main understorey plants.

Present land use is almost exclusively grazing, although some small areas are used for cropping.

The principal hazards are sheet erosion, mass movement and waterlogging. Evidence of slumping can be seen on the steeper slopes throughout the system.

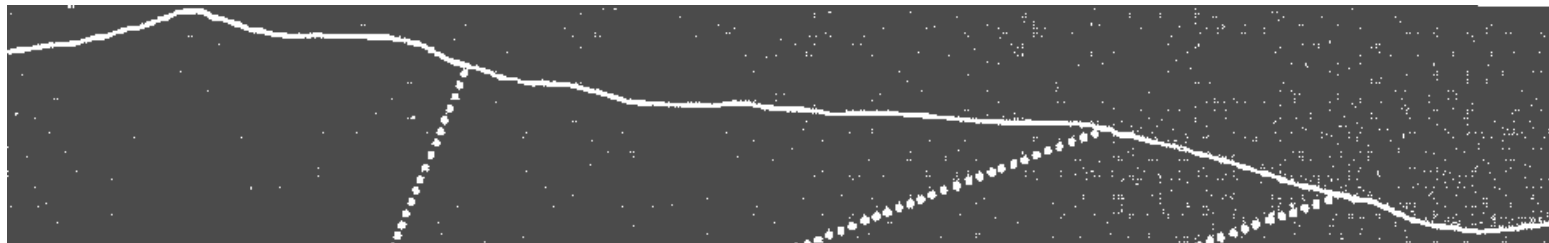


Rocky surface of the crests and upper slopes.

LAND SYSTEM

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Berkley



COMPONENT	1	2	3	4
PROPORTION %	30	40	15	15
CLIMATE	Average Annual Rainfall 1 000-1 250 mm			
GEOLOGY	Tertiary basalt			
				Alluvium
TOPOGRAPHY				
Land form	Low hills and undulating plains			
Position	Small crests and upper plateaux	Lower slopes and plateaux	Scarps	Drainage lines
Average Sideslope °	4	3	5	3
NATIVE VEGETATION	Open-forest			
Structure				
Association	White gum, swamp gum, stringybark, black peppermint, blackwood, silver wattle		White gum, blackwood, silver wattle	Swamp gum, white gum, silver wattle, black wattle, paperbark
SOIL	Stony, friable reddish brown (5 YR 4/3) gradational soil	Stony dark brown (7.5 YR 4/4) gradational soil	Friable red (2.5 YR 4/8) gradational soil	Light olive brown (2.5 Y 5/4) gradational soil
Surface Texture		Clay loam		Light clay
Permeability		Moderate		Low
Average Depth m	0.5	1.5	1.0	>2.0
PRESENT LAND USE	Grazing			
HAZARDS	High sheet erosion	Low sheet erosion and mass movement	Moderate sheet erosion and mass movement	Moderate waterlogging