

# 582231

## BERKLEY

Two small areas of low hills around Chudleigh and Mole Creek, near the eastern margin of the Region, have formed on remnants of Tertiary basalt. Berkley land system also has a scattered distribution in Region 4.

Stony, reddish brown to brown soils occur on the crests and gentle sideslopes. These change to friable red soils on the slightly steeper slopes lower down. Deep, slowly permeable clays, light olive brown to olive grey in colour and some with yellowish brown mottling, occur on the broad areas of very gentle slopes along the drainage lines.

The soils, generally, are not as well drained as in most other areas of basaltic soils within Region 3.

The vegetation on the crests and slopes is a forest dominated by white gum and swamp gum with only some stringybark. Black peppermint and blackwood were also recorded and silver wattle is an important understorey species. Paperbark is present along the drainage lines and before white settlement it probably formed a dense scrub understorey on the olive coloured soils.

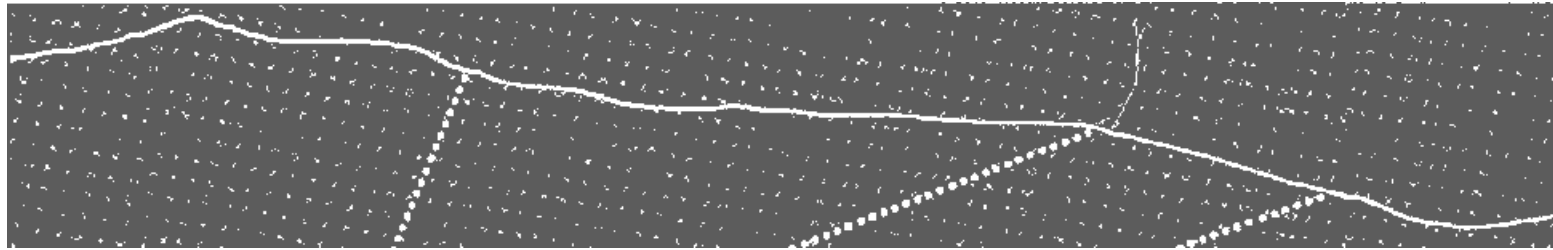
The area has been cleared for grazing.

Waterlogging is the principal hazard on those areas of Berkley land systems occurring within Region 3.

**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	Low hills and undulating plains			
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 Structure	Open forest			
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