

664241

JESSIE RIVER

The steep-sided valleys in the upper reaches of the Cam and Inglis Rivers and in the Calder River have formed from basal tillite and mudstones deposited during the Upper Carboniferous and Permian Periods.

The soils are typically yellowish brown throughout the system. Gradational profiles are present on the crests and slopes with a much shallower uniform clay along the drainage lines.

The mixed forest vegetation is dominated by stringybark with myrtle and sassafras as its principal associates. Dogwood, blackwood, lancewood and silver wattle form a tall shrub layer and soft tree fern is prominent in the wetter parts.

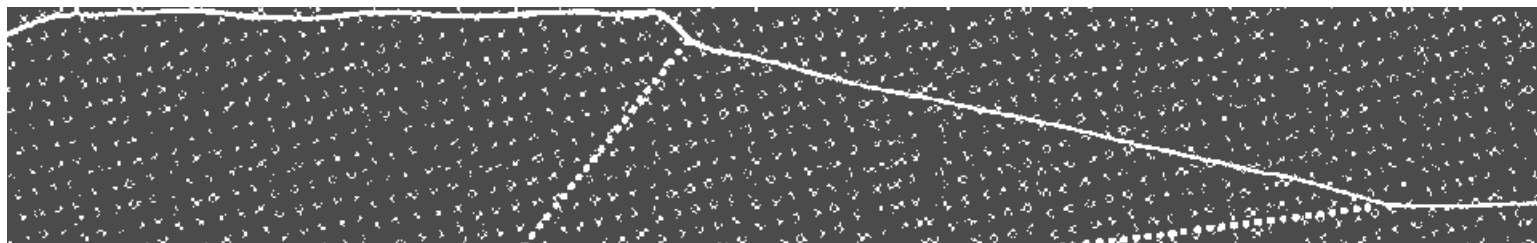
Forestry and nature conservation are the main uses of these timbered areas.

Soil erosion constitutes a high hazard on the steep valley slopes, with a consequent likelihood of siltation problems along the drainage lines.

LAND SYSTEM

664241

Jessie River



COMPONENT	1	2	3
PROPORTION %	40	50	10
CLIMATE	Average Annual Rainfall 1 250-1 500 mm		
GEOLOGY	Permian Upper Carboniferous mudstone and basal tillite Alluvium		
TOPOGRAPHY			
Land form	Crests, upper slopes	Mainly steep sided valleys	
Position	5	Steep slopes	Drainage lines
Average Sideslope °		15	3
NATIVE VEGETATION		Open forest	
Structure			
Association	Stnngybark, myrtle, sassafra, dogwood, black-wood, lancewood, silver wattle, soft tree fern		
SOIL	Yellowish brown (10 YR 5/6) gradational soils		Yellowish brown (10 YR 5/4) clay soil, uniform texture
Surface Texture	Clay loam		Light clay
Permeability		Moderate	
Average Depth m	0 6	1 5	0 3
PRESENT LAND USE		Forestry, nature conservation	
HAZARDS	Low sheet erosion	High sheet, rill erosion	Moderate siltation, low gully erosion