

841231

WOMBAT FLAT

An extensive area of low hills south of Luina has formed on an emplacement of Lower Carboniferous, Upper Devonian granite. A much smaller body, east of Granite Tor, has also been included in this system although it may be somewhat anomalous. Lack of suitable access prevented field examination of this smaller site but according to the geology report (8) it is a different type of granite from that constituting the main body. Also the photo pattern indicates a greater proportion of component 3 than recorded for the land system as a whole.

The soils are characterised by the presence of granitic sand, the uniformly textured profiles and

the shallow surface layer of peat covering most of the area.

Forest and heath communities occupy the crests. The forests tend to be dominated by gum-topped stringybark with myrtle, Smithton peppermint, sassafras and celery-top pine in subsidiary positions. Beneath the canopy is a shrub layer which also comprises the areas of heath, and includes woolly tea-tree, horizontal and leatherwood. A tall rainforest exists on the steep, sheltered valley slopes, while a button grass sedgeland occupies the deeper sand soils on the gentle upper slopes.

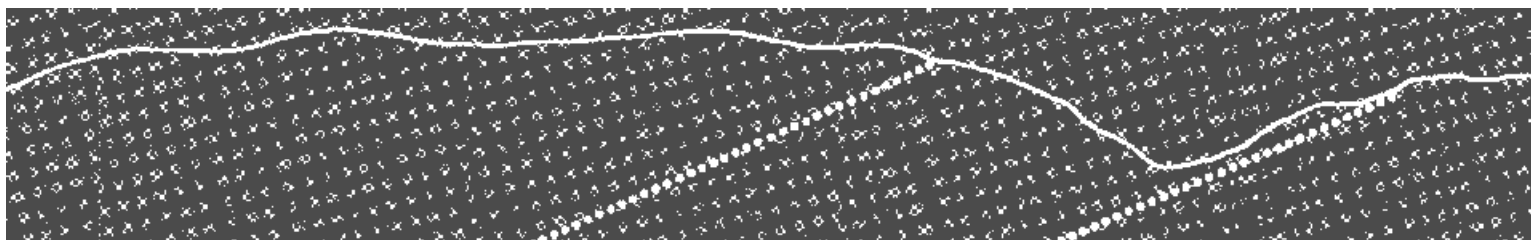
Nature conservation and forestry are the major land uses.

The erodible nature of the soils and high rainfall indicate a high erosion hazard, particularly on the steeper slopes.

LAND SYSTEM

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Wombat Flat



COMPONENT	1	2	3
PROPORTION %	60	30	10
CLIMATE	Average Annual Rainfall 2 000-2 500 mm		
GEOLOGY	Lower Carboniferous-Upper Devonian granite		
TOPOGRAPHY	Low hills		
Land form	Low hills		
Position	Crests	Valley slopes	Areas of button grass
Average Sideslope °	10	20	5
NATIVE VEGETATION	Closed forest and heath		
Structure	Closed forest and heath	Tall open forest	Closed sedgeland
Association	Gum topped stringybark, myrtle, Smithton peppermint, sassafras, horizontal, celery top pine, woolly tea tree, leatherwood	Myrtle, sassafras	Button grass, <i>Calorophus lateriflorus</i> , <i>Sprengelia incarnata</i> , mountain cord rush
SOIL	Dark greyish brown (10 YR 4/2) to brown (10 YR 4/3) sandy clay loam soil, uniform texture	Stony strong brown (7.5 YR 5/8) light sandy clay loam soil, uniform texture	Light grey (7.5 YR 7/0) to brown (7.5 YR 5/2) sand soil, uniform texture
Surface Texture	Peat	Sandy loam	Peat
Permeability		High	
Average Depth m	0.5	1.0	1.5
PRESENT LAND USE	Nature conservation, forestry		
HAZARDS	High rill erosion	High gully and rill erosion	