

672551

BEN LOMOND

The rugged mountains of Ben Lomond, which have formed on Jurassic dolerite in the south-east of the Region, are flat-topped with gentle upper slopes and steep scarps. The system has an average altitude of about 1 250 metres, with Legges Tor (1 572 m) and Stacks Bluff (1 527 m) the two highest points. Most of the system is included in the Ben Lomond State Reserve.

Rock outcrops are common, especially on the two upper components. Shallow, stony gradational soils have developed on all components. Small areas of peaty mountain soils are also found on the crests and upper slopes.

The stunted vegetation is very similar to that found in the Barrow Land System (772451). The open-scrub vegetation on the crests and upper slopes is predominantly *Leptospermum rupestre*, *Richea scoparia*, *Orites revoluta* and *Olearia ledifolia*. An open-forest dominated by stringybark is found on the steep scarps and moderate lower slopes.

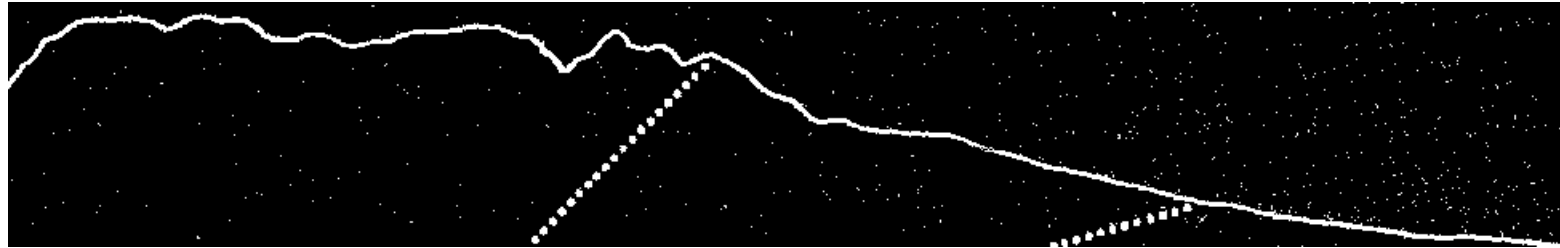
The rugged terrain and shallow stony soils have precluded major development and land use is presently restricted to nature conservation and recreation (skiing, bushwalking and climbing). Ben Lomond is one of the most popular ski areas within the State of Tasmania. It carries a good covering of snow for a considerable period during late winter and spring.

Sheet erosion is the principal hazard.

LAND SYSTEM

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Ben Lomond



COMPONENT	1	2	3
PROPORTION %	45	30	25
CLIMATE	Average Annual Rainfall 1 250-1 500 mm		
GEOLOGY	Jurassic dolerite Mainly rocky outcrops		
TOPOGRAPHY			
Land form		Rugged mountain	
Position	Crests and upper slopes	Steep scarps	Moderate lower slopes
Average Sideslope °	8	18	8
NATIVE VEGETATION			
Structure	Open-scrub	Open-forest	
Association	<i>Leptospermum rupestre, Richea scoparia, Orites revoluta, Olearia ledifolia</i>	Stringybark, <i>Leptospermum rupestre</i> , yellow bush	Stringybark, black peppermint, white gum, silver wattle
SOIL	Shallow, stony, brown (7.5 YR 4/2) gradational soil	Shallow, stony, strong brown (7.5 YR 5/8) gradational soil	Stony, yellowish brown (10 YR 5/8) gradational soil
Surface Texture		Clay loam	
Permeability		Moderate	
Average Depth m	0.2	0.3	0.8
PRESENT LAND USE	Nature conservation		
HAZARDS	High sheet erosion		