

572151

BONNEYS TIER

Bonneys Tier, south of Devonport, is the main body of Jurassic dolerite forming mountainous ridges in the north-east corner of the Region

Stony soils and frequent rock outcrops are a feature of the system. The profiles are all gradational, and, except for the mottled profiles in areas of impeded drainage, colours range from brown to red.

Stringybark and gum-topped stringybark dominate the forest vegetation on the highest parts, with

tall bracken a prominent member of the shrubby understorey. At lower levels black peppermint and stringybark form the tree layer and cutting grass, sags, guitar plant and heath constitute the undergrowth. Swamp gum occurs with the peppermint on poorly drained sites where manuka and cutting grass compose the lower layers.

Forestry is the main land use and a large area has been converted to a pine plantation.

Even though the soils are inherently stable, slope factors confer a moderate erosion hazard over most of the land system.

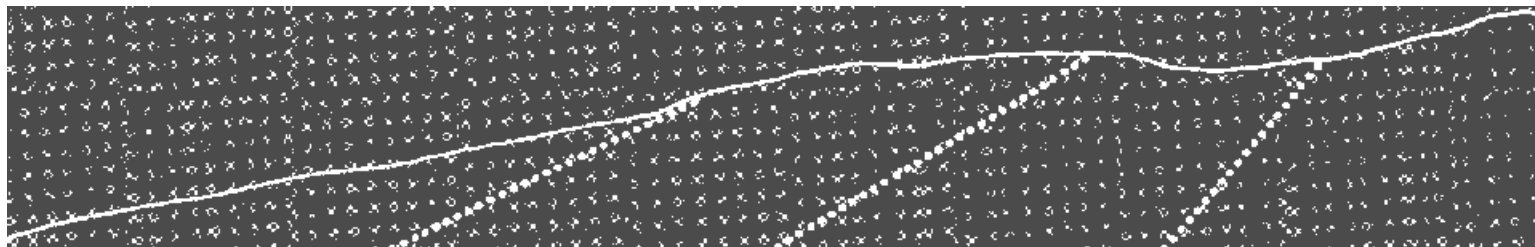


Stony soils and frequent rock outcrop are a feature of Bonneys Tier land system.

LAND SYSTEM

572151

Bonneys Tier



COMPONENT	1	2	3	4
PROPORTION %	45	25	15	15
CLIMATE	Average Annual Rainfall 1 000-1 250 mm			
GEOLOGY	Jurassic dolerite			
TOPOGRAPHY				
Land form	Mountainous ridges, trending NW-SE			
Position	Steeper lower slopes	Moderate upper midslopes	Swales, impeded drainage	Peaks, upper slopes
Average Sideslope °	10	6	5	20
NATIVE VEGETATION Structure	Open forest	Tall open forest	Open forest	Tall open forest
Association	Stringybark, black peppermint, cutting grass, saggs, guitar plant, heath		Swamp gum, black peppermint, manuka, cutting grass	Stnngybark, gum topped stringy bark, bracken
SOIL	Stony, brown (7.5 YR 4/4) gradational soil, rock outcrop common	Gravelly yellowish red (5 YR 4/6) to red (2.5 YR 4/6) gradational soil, rock outcrop scattered	Stony, gravelly, mottled yellowish brown (10 YR 5/8), light brownish grey (2.5 Y 6/2) gradational soil, rock outcrop common	Stony, friable, yellowish red (5 YR 4/6) gradational soil, rock outcrop common
Surface Texture	Clay loam		Loam	Clay loam
Permeability	Moderate		Low	High
Average Depth m	0.7 +	1.3		0.5
PRESENT LAND USE	Forestry (hardwood, softwood), quarrying			
HAZARDS	Moderate sheet and nil erosion		Low sheet and gully erosion	Moderate sheet and gully erosion