

372323

Tunbridge Tier

Tunbridge Tier forms a prominent topographic feature in this land system which is situated in a valley east of Lakes sorell and Crescent. Country rock is Jurassic dolerite.

Slopes and crests have yellowish red and reddish brown gradational soils, which together with the yellow brown soils of the flats are very stony. A number of small circular marshes contain mottled duplex soils with organic rich surface horizons.

The tall open forests on the better drained components are dominated by *Eucalyptus delegatensis* with a heath understory dominated by *Lomatia tinctoria*, *Pultenaea junlperina* and *Cyathodes parvifolia*. The poorly drained flats are swampy in places. This component is subject to cold air drainage and *Eucalyptus rodwayi* is widespread with *Juncus pallidus*, *Poa* species and herbaceous species occurring in the understory.

Forests on some rocky slope and crests have been logged while grazing is the main land use on flatter areas. The poorly drained flats may be subjected to periods of waterlogging while there is a low potential for sheet erosion on the stony slopes and crests.



Poorly drained flats with *Eucalyptus rodwayi* dominated open forest.

LAND—SYSTEM

Tunbridge Tier

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Area(ha): 3148



COMPONENT	1	2	3	4
PROPORTION(%)	40	20	30	10
RAINFALL (mm)	Approximate Annual Rainfall: 625-750			
GEOLOGY	Jurassic dolerite			
TOPOGRAPHY	Low hills with undulating plains			
Position	Flats (Well Drained)	Flats (Poorly Drained)	Rocky Slopes	Rocky Crests
Typical Slope()	1-3	0-1	7-10	3-5
NATIVE VEGETATION				
Structure	Open Forest	Open Forest	(Tall) Open Forest	(Tall) Open Forest
Floristic Association (see Appendix 1 for common names)	Eucalyptus delegatensis Acacia dealbata Banksia marginata Lomatia tinctoria Cyathodes parvifolia Pultenaea juniperina Lissanthe montana Lomandra longifolia Juncus pallidus	Eucalyptus rodwayi Juncus pallidus Poa sp.	Eucalyptus delegatensis Acacia dealbata Lomatia tinctoria Pteridium esculentum Cyathodes parvifolia Lomandra longifolia Poa sp.	Eucalyptus delegatensis E. dalrympleana Acacia dealbata Cyathodes parvifolia Pultenaea juniperina Lomatia tinctoria
SOIL				
Surface(A)Texture	Loam	Organic Silty Loam	Loam	Clay Loam
B Horizon(subsoil) Colour (wet) Texture and primary profile form	Stony, yellowish brown (10 YR 5/6) light clay. Gradational.	Mottled red (2.5 YR 5/8) grey (2.5 YR N5/) medium clay. Duplex.	Stony, gravelly yellowish red (5 YR 4/6) sandy clay loam. Gradational.	Stony, gravelly, dark reddish brown (5 YR 3/2) light clay. Gradational.
Permeability	Moderate	Moderate-Low	High	Moderate
Typical depth(m)	>0.25	>0.50	>0.70	>0.30
Depth(A)Horizon(m)	0.10	0.20	0.05	0.10
LAND USE	Forestry , grazing			
HAZARDS	Low sheet erosion	Waterlogging	Low sheet erosion	