

472332

Burstgall Hill

Jurassic dolerite underlies undulating hilly terrain in the vicinity of Burstgall Hill, just west of Bronte Lagoon. The escarpment boundary of the lower plateau surface surrounds its eastern parts whilst the southern and western extremities are bounded by hills and Dee Lagoon. Two isolated sections of Serpentine Rivulet land system occur within the area and it also surrounds Lake Big Jim and Lake Samuel.

Loamy gradational soils are common through all components, and colours are typically reddish brown. Forests are dominated by *Eucalyptus pauciflora*, *E. dalrympleana* and *E. delegatensis* with *E. nitida* occurring on poorly drained flats. The understorey is a low open shrubland or open heath typically containing *Cyathodes parvifolia* and *Pultenaea juniperina*.

Land use includes grazing and hydro-electric power generation. There is a low sheet erosion hazard throughout.



Well timbered slopes of the Burstgall Hill Land System.

LAND-SYSTEM

Burstgall Hill

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Area (ha):
6678



COMPONENT	1	2	3	4
PROPORTION (%)	15	25	30	30
RAINFALL (mm)	Approximate Annual Rainfall: 750-1000			
GEOLOGY	Jurassic dolerite			
TOPOGRAPHY	Undulating hilly terrain			
Position	Flats	Undulating Lower Slopes	Rocky Undulating Mid Slopes	Rocky Upper Slopes/Crests
Typical Slope()	0-1	5-7	7	5-7
NATIVE VEGETATION				
Structure	Woodland	(Tall) Open Forest	Open Forest	Open Forest
Floristic Association (See Appendix 1 for common names)	Eucalyptus delegatensis E. nitida Helichrysum hookeri Cyathodes parvifolia Hakea epiglottis Llssanthe montana Poa sp.	Eucalyptus pauciflora E. delegatensis E. dalrympleana Acacia dealbata Lomatia tinctoria Pultenaea juniperina Cyathodes parvifolia Olearia vlscosa Monotoca scoparla Diplarrena sp.	Eucalyptus pauciflora E. delegatensis E. dalrympleana Acacia dealbata Pultenaea juniperina Cyathodes parvifolia Lissanthe montana	Eucalyptus delegatensis E. dalrympleana Acacia dealbata Olearia phlogopappa Cyathodes parvifolia Pultenaea juniperina Helichrysum hookeri Poa sp.
SOIL				
Surface(A)Texture	Clay Loam	Loam	Loam	Loam
B Horizon(subsoil) Colour (wet) Texture and primary profile form	Stony, dark reddish brown (2.5 YR 3/4) light clay. Gradational.	Stony, dark reddish brown (5 YR 3/4) clay loam. Gradational.	Stony, dark reddish brown (5 YR 3/2) clay loam. Gradational.	Stony, dark red (2.5 YR 3/6) clay loam. Gradational.
Permeability	Moderate	High-Moderate	High-Moderate	High-Moderate
Typical depth(m)	0.40	>0.30	>0.30	>0.30
Depth(A)Horizon(m)	0.20	0.10	0.05	0.10
LAND USE	Grazing, hydro-electric power generation			
HAZARDS	Low sheet erosion			