

472441

### Little Pine River

stretching from Little Pine Lagoon in the north to Dee Lagoon in the south and Pine Tier Lagoon in the west is the Little Pine River Land System. Slopes are covered by Pleistocene solifluction deposits with extensive Jurassic dolerite outcrop and scree slopes. It consists primarily of moderately steep slopes which form an escarpment between the St Clair and Lower Plateau surfaces, covering Sukes Tier immediately west of Lake Echo, and the valleys of the Little Pine and Pine Rivers.

Relatively deep brown to reddish brown gradational profiles typify slope components. Yellowish brown soils do occur locally. Soils bordering watercourses have similar textures and colours but these are often replaced by river gravel deposits. In the Pine Tier Lagoon area valley flats and watercourses have deep mottled duplex soils. Forests with thick litter layers are dominated by *Eucalyptus delegatensis* with scattered *E. dalrympleana* and *E. \_ coccifera*. Cold air which drains into lower components from higher ground to the north and east is reflected in the presence of cold tolerant eucalypt species, such as *Eucalyptus pauciflora*, *E. coccifera* and *E. gunnii*. *Leptospermum lanigerum* is also widespread in these poorly drained wetter locations but is often killed by severe frosts, such as those which occurred in 1983.

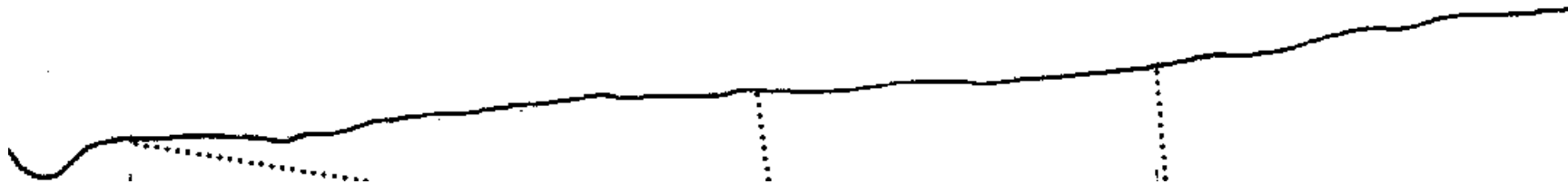
Forestry, grazing and hydro-electric power generation are present land uses. There is a low to moderate sheet erosion hazard on all slope components. Waterlogging may occur around watercourses and valley flats.

LAND-SYSTEM

Little Pine

River 472441

Area (ha): 8413



COMPONENT	1	I	[ f _____	I _____ 1 _____
PROPORTION(%)	10	40	25	25
RAINFALL(mm)	Approximate Annual Rainfall: 750-1000			
GEOLOGY			Jurassic dolerite	
TOPOGRAPHY	Alluvium and gravels	L	Rocky escarpment with minor hills and river valleys	
Position	Watercourses	Rocky Lower Slopes	Rocky Mid Slopes	Upper Slopes/Boulder Fields
Typical Slope( )	0-1	5	5-10	5-15
NATIVE VEGETATION				
Structure	Woodland	(Tall) Open Forest	(Tall) Open Forest	(Tall) Open Forest
Floristic Association (See Appendix 1 for common names)	Eucalyptus pauciflora E. coccifera E. gunnii Hakea epiglottis H. lissosperma Leptospermum lanigerum Poa sp.	Eucalyptus delegatensis E. dalrympleana Olearia viscosa Notelaea ligustrina Olearia phlogopappa Cyathodes parvifolia Lomatia polymorpha Lissanthe montana Pultenaea juniperina Poa sp.	Eucalyptus delegatensis E. coccifera Pultenaea juniperina Lissanthe montana Lomatia tinctoria Cyathodes parvifolia Poa sp	Eucalyptus delegatensis E. coccifera Cyathodes parvifolia Lissanthe montana Lomatia tinctoria Pultenaea juniperina Coprosma nitida Poa sp
SOIL				
Surface(A)Texture	Clay Loam	Organic Loam	Organic Loam	Clay Loam
B Horizon(subsoil) Colour (wet) Texture and primary profile form	Gravelly, strong brown (7.5 YR 4/6) sandy clay, Black (7.5 YR 2/0) in places. Gradational/Duplex.	Stony, gravelly, strong brown (7.5 YR 4/6) to dark reddish brown (5 YR 3/2) clay loam to clay. Gradational.	Stony, gravelly, strong brown (7.5 YR 5/6) light clay. Gradational.	Stony, gravelly, brown/dark brown (7.5 YR 4/4) light clay. Gradational.
Permeability	Moderate-Low	Moderate	Moderate	Moderate
Typical depth(m)	0.50	>1.00	>1.00	>0.50
Depth(A)Horizon(m)	0.20	0.10	0.10	0.05-0.20
LAND USE	Forestry, grazing, hydro-electric power generation			
HAZARDS	Waterlogging	t	Low Sheet Erosion	