

372331

Silver Plains

Silver Plains Land System is located immediately north of Lake Sorell. It consists of prominent steep escarpment slopes surrounding a depression occupied by undulating flats and swampy terrain.

Moderately deep peat deposits occur on swamps, while deep duplex, yellowish red soils occur on the better drained flats. The yellow brown gradational soils on the scree slopes are typical of well drained positions throughout the study area.

Mineral soils support open to tall open forests of *Eucalyptus delegatensis* with *Acacia dealbata* - *Leptospermum lanigerum* scrub and *Cyathodes parvifolia* - *Pultenaea juniperina* - *Lomatia tinctoria* open heath. organic soils in swampy areas support woodland, tall open shrubland and tussock grassland communities. *E. delegatensis* which is usually associated with better drained sites occurs with *E. rodwayi*, *Leptospermum lanigerum* and *Callistemon viridiflorus* in swampy positions. Herbaceous species are also widespread.

The main land uses are forestry and recreation (fishing, hunting).

Waterlogging is the major hazard on flats and swamps. Slopes have low sheet erosion potential.

LAND SYSTEM
 Silver Plains
 372331
 Area (ha): 5288



COMPONENT	1	2	3
PROPORTION(%)	20	20	60
RAINFALL(mm)	Approximate Annual Rainfall: 625-750		
GEOLOGY	Jurassic dolerite		
TOPOGRAPHY	Scarps with low hills and undulating plains		
Position	Swamps	Flats	Scree Slopes/Rocky Ridges
Typical Slope()	0-1	0-1	7-10
NATIVE VEGETATION	Woodland in places with tall		
Structure	open shrubland and grassland	(Tall) Open Forest	(Tall) Open Forest
Floristic Association (See Appendix 1 for common names)	Eucalyptus delegatensis E. rodwayi Leptospermum lanigerum Cyathodes parvifolia Lissanthe montana Callistemon viridiflorus Poa sp.	Eucalyptus delegatensis Acacia dealbata Banksia marginata Leptospermum lanigerum Cyathodes parvifolia Lomatia tinctoria Coprosma nitida	Eucalyptus delegatensis Acacia dealbata Leptospermum lanigerum Banksia marginata Hakea lissosperma Olearia viscosa Notelaea ligustrina Cyathodes parvifolia Pultenaea juniperina Lomatia tinctoria Pteridium esculentum
SOIL			
Surface(A)Texture	Peat	Organic Rich Loam	Organic Rich Loam
B Horizon(subsoil) Colour(wet) Texture and primary profile form	Black (2.5 YR 2.5/0) sandy loam to sandy clay. Organic.	Stony, yellowish red (5 YR 4/6) light clay. Duplex.	Stony, dark yellowish brown (10 YR 3/4) clay loam. Gradational.
Permeability		Moderate	High
Typical depth(m)	0.30	>0.60	>0.30
Depth(A)Horizon(m)	0.10	0.05	0.15
LAND USE		Recreation, forestry	
HAZARDS	Moderate waterlogging		Low sheet erosion