

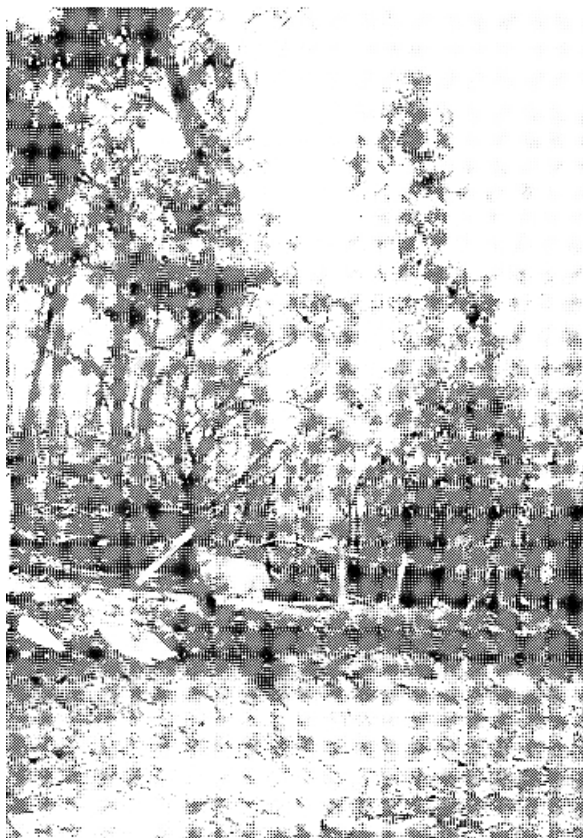
372341

## Lake Highway

Lake Highway Land System is located in the south eastern extremity of the study area. It covers Diamond, Bakers, Shannon and Jillets Tiers which are prominent features in the region, together with the Shannon River that flows through its centre. This hilly country with extensive rock outcrop and broad slopes is underlain by Jurassic dolerite.

Soils on all components are gradational, stony and yellowish brown. Boulders are common on rocky ridges and some slopes. Slopes in the Bakers Tier area exhibit well developed stony horizons which parallel the surface and are probably a result of Pleistocene periglacial conditions. Gradational soils in all components are fertile, evidence of which is found in the well developed open to tall open forests on lower and mid slopes where *Eucalyptus delegatensis*, *E. dalrympleana*, *E. pauciflora*, *E. amygdalina* and *Acacia dealbata* are common. On more exposed situations such as rocky crests and ridges *Eucalyptus coccifera* woodland predominates, while on organic loams in upper slope situations *E. subcrenulata* occur.

Land use includes limited bush grazing while forestry operations have been carried out in the taller forests. There is a low sheet erosion hazard in most situations, except on steep mid slopes where the hazard is moderate.



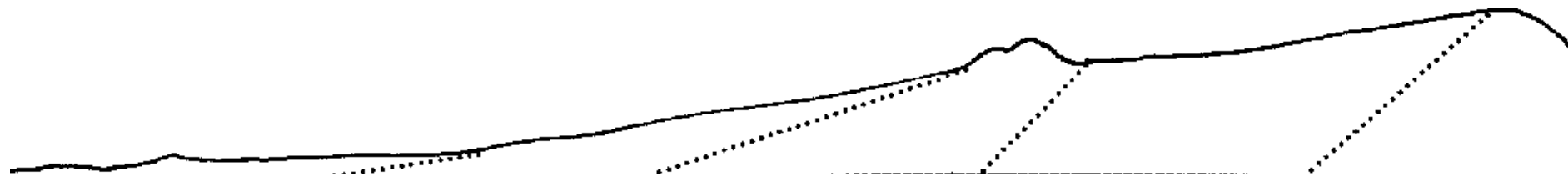
Deep, rocky yellow brown gradational soils on mid slopes with *Eucalyptus delegatensis* dominated forest.

LAND SYSTEM

Lake Highway

372341

Area(ha):22699



COMPONENT					
PROPORTION(%)	30	30	10	25	5
RAINFALL (mm)	Approximate Annual Rainfall: 625-750				
GEOLOGY	Jurassic dolerite				
TOPOGRAPHY	Hills with numerous rock outcrops and broad slopes				
Position	Broad Lower Slopes	Steep Mid Slopes	Rocky Ridges	Narrow Upper Slopes	High Altitude
Typical Slope(°)	5-7	10-15	3-7	3-5	1-5
NATIVE					
Structure	(Tall) Open Forest	(Tall) Open Forest	Open Forest	Open Forest	Woodland
Floristic Association (See Appendix 1 for common names)	Eucalyptus amygdalina E. deiegatensis E. dalrympleana Acacia dealbata Cyathodes parvifolia Lissantbe montana Poa sp.	Eucalyptus deiegatensis E. dalrympleana E. pauciflora Acacia dealbata Lomatia tinctoria Pteridium esculentum	Eucalyptus coccifera E. dalrympleana H. pauciflora E. deiegatensis Cyathodes parvifolia Lomatia tinctoria Pultenaea juniperina Poa sp.	Eucalyptus johnstonii E. coccifera E. deiegatensis Acacia dealbata Hakea epiglottis Lomatia tinctoria Cyathodes parvifolia	Not sampled but probably dominated by Eucalyptus coccifera woodland with an open heath understorey
SOIL					
Surface(A)Textu	Loam	Sandy Clay Loam	Loam	Organic Loam	Loam or Clay Loam
B Horizon(subsoil) Colour (wet) Texture and primary profile form	Stony, gravelly, yellowish brown (10 YR 5/4) sandy clay loam. Gradational.	Stony, gravelly, strong brown (7.5 YR 5/8) light clay. Gradational.	Stony, gravelly, yellowish brown (20 YR 5/6) sandy clay loam. Gradational.	Stony, gravelly, dark yellowish brown (10 YR 4/6) sandy clay loam. Gradational.	Probably stony, gravelly, yellowish brown gradational soil.
Permeability	High	High-moderate	High	High	Not Sampled
Typical Depth(m)	>0.40	1.80	>0.50	>0.30	
Depth(A)Horizon	0.05	0.05	0.10	0.10	
LAND USE			Forestry, grazing		
HAZARDS			Low sheet erosion		