

472342

Ouse River

North of Lake Echo the Ouse River Valley flattens out markedly and has the appearance of a 'u' shaped valley, although glacial activity is not reported to have extended into the area (Derbyshire et al 1965). Periglacial conditions probably existed during Pleistocene times and the slopes of the land system are littered with scree material of Jurassic dolerite.

Soils on all components are rocky, gradational and are mostly relatively deep. Loamy surficial horizons are often overlain by organic litter (do to 20 cm deep) and considering the stony nature of profiles and the extreme cold, the open forests to tall open forest suggest that soils could be fertile.

Eucalyptus delegatensis occurs on warmer mid and upper slopes in association with *E. coccifera* which replaces it on lower slopes and flats where cold air collects on calm winter nights. Open heath understories could reflect the low temperatures which prevail in this upper sub-alpine environment. *Qrltes revoluta* which occurs on rocky upper slopes is usually restricted to the more high country (see Mackenzie Tier Land system).

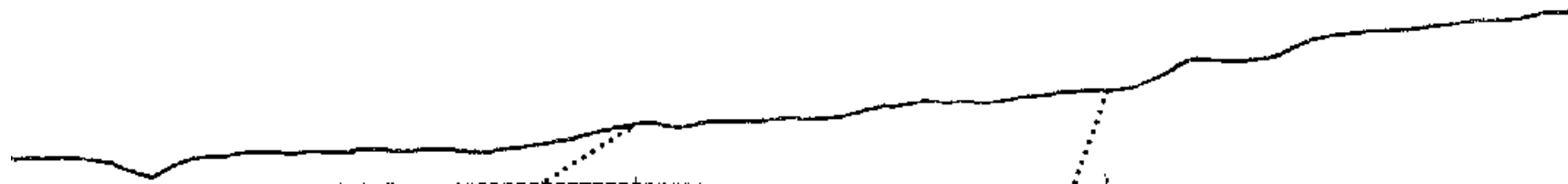
Land use includes forestry and hydro-electric power generation. The Monpeelyata canal diverts water out of the Ouse River into Lake Echo.

There is a low rill and low sheet erosion hazard.

LAND SYSTEM

Ouse River 472342

Area (ha): 6249



COMPONENT	1	2	3
PROPORTION(%)	40	30	30
RAINFALL (mm)		Approximate Annual Rainfall: 750-1000	
GEOLOGY		Jurassic dolerite	
TOPOGRAPHY		River valley and associated slopes	
Position	Lower Slopes/Flats/Watercourses	Rocky Mid Slopes	Rocky Upper Slopes/Boulder Fields
Typical Slope(°)	3-5	5-7	5-7
NATIVE VEGETATION			
Structure	Open Forest	Open Forest	(Tall) Open Forest
Floristic Association (See Appendix 1 for common names)	Eucalyptus coccifera Lomatia tinctoria Bossiaea riparia Cyathodes parvifolia Lissanthe montana	Eucalyptus delegatensis Leptospermum lanigerum Cyathodes parvifolia Lissanthe montana	Eucalyptus delegatensis E. coccifera Cyathodes parvifolia Helichrysum ledifolium Monotoca empetrifolia Lissanthe montana Coprosma nitida Richea acerosa Orites revoluta Oxylobium ellipticum
SOIL Surface(A)Texture	Loam	Loam	Loam
B Horizon(subsoil) Colour (wet) Texture and primary profile form	Stony, gravelly, dark red (2.5 YR 3/6) light clay. Gradational	Stony, gravelly, strong brown (7.5 YR 4/6) light clay to clay loam. Gradational	Stony, strong brown (7.5 YR 4/6) clay loam. Gradational
Permeability	Moderate-Low	Moderate	Moderate-High
Typical depth(a)	>0.30	>0.40	0.50
Depth(A)Horizon(a)	0.05	0.10	0.05
LAND USE	Forestry, hydro-electric power generation		
HAZARDS	Low sheet and rill erosion		