

472321

## Interlaken

Surrounding the southern part of Lake Sorell and northern areas of Lake Crescent are the undulating plains of Interlaken Land System. These plains have a large variety of components including rocky ridges, flats, swamps, slopes and crests. It is a distinctive land system with no other area in Region 5 having a similar composition of components or general pattern of land. The area is underlain by Jurassic dolerite but alluvial deposits are common on flats and swampy ground.

Gradational yellow brown or red soils are widespread in doleritic terrain where profiles are often littered with stones and rocks. They are generally well drained and may have organic rich topsoil. Moderate depths and reasonable fertility is reflected in the forests of *Eucalyptus delegatensis*. In higher colder positions or in areas susceptible to cold air drainage (such as footslopes) *E. pauciflora* is more common with *E. coccifera* and *E. dalrympleana*. On poorer drained duplex soils *E. viminalis* and *E. amygdalina* typically occur, with *E. rodwayi* characterising situations prone to waterlogging. Wind derived uniform loamy sand soils on the eastern shore of Lake Sorrel support open forests of *E. delegatensis*, with local occurrences of *Banksia marginata* in the understorey. *Poa* dominated grassland and herbfield occur in swamps where thin peat layers overlies stony, gravelly silty clays. *Poa* grasslands are also common in cleared areas.

Grazing, forestry and recreational pursuits such as fishing and hunting are the major land uses.

Waterlogging and flooding are the greatest hazards in the Interlaken land system with flats and swamps particularly susceptible (See photograph).

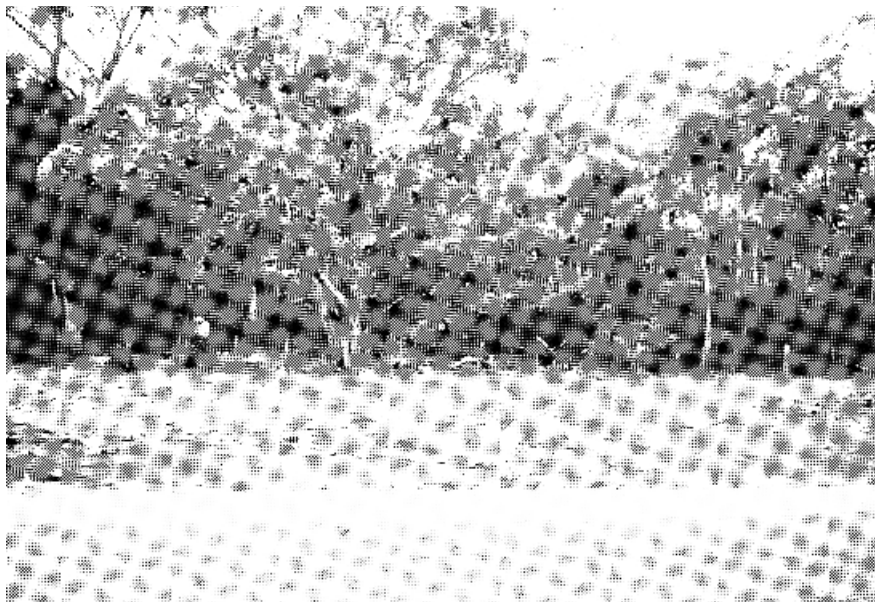
Sheet erosion occurs along parts of the Interlaken - Tunbridge road which has traditionally been used as a stock route. A long history of concentrated grazing and trampling along roadside verges is probably responsible.



Swampy low lying land with clay subsoils are prone to waterlogging: and flooding.



Low open *Eucalyptus pauciflora* forest on footslopes which have probably formed as a result of cold air drainage.



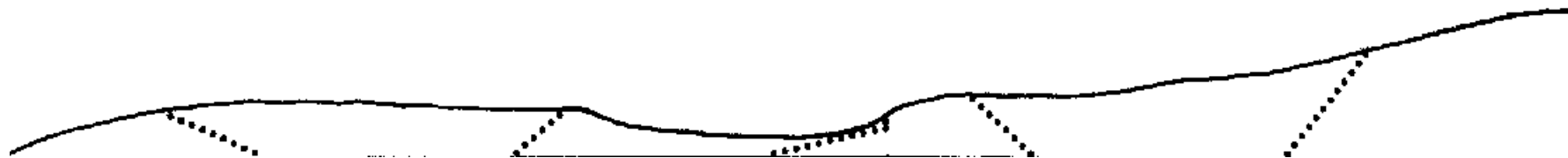
Sheet eroded roadside verge along the old stock route from Tunbridge to Interlaken. Note the low open forest common on more exposed crests.

LAND-SYSTEM

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Area (ha):  
13935



COMPONENT	1	2	3	4	5	6
PROPORTION(%)	10	25	20	5	25	15
RAINFALL (mm)	Approximate Annual Rainfall: 750-1000					
GEOLOGY	Jurassic dolerite					
	Alluvium					
TOPOGRAPHY	Undulating plains					
Position	Foot Slopes	Broad Flats	Swamps	Aeolian Slopes	Broad Slopes	Crests
Typical Slope(%)	1-3	0-1	0	3-5	1-3	7-10
NATIVE		(Tall) Open				
Structure	Low Open Forest	Forest (Remnant)	Grassland/Herbfield	Open Forest	(Tall) Open Forest	Low Open Forest
Floristic Association (See Appendix 1 for common names)	Eucalyptus pauciflora E. coccifera Lissanthe montana Cyathodes parvifolia Pultenaea juniperina Acaena novae-zelandiae	Eucalyptus amygdalina E. viminalis Hakea epiglottis lissanthe montana Epacris gunnii Juncus pallidus	Poa sp. and various herbs.	Eucalyptus delegatensis Acacia dealbata Banksia marginata Lomatia tinctoria Pultenaea juniperina Persoonia juniperina Pteridium esculentum Lomandra	Eucalyptus delegatensis E. coccifera/amygdalina E. dalrympleana Acacia dealbata Lissanthe montana Hakea epiglottis Lomatia tinctoria Pimelea nivea	Eucalyptus delegatensis E. coccifera Lissanthe montana Poa sp.
SOIL						
Surface(A)Texture	Loam	day Loam	Peat	loamy Sand	Organic loam-Stony	Clay Loam
B Horizon(subsoil) Colour (wet) Texture and primary profile form	Stony, dark reddish brown (5 Yr 3/2) sandy clay loam. Gradational.	Mottled, yellowish brown (10 YR 5/6 to 5/8), brown (10 YR 5/3), grey (10 YR 5/3) light to medium clay. Duplex.	Stony, gravelly, dark grey (10 YR 4/1) silty clay. Organic.	Dark yellowish brown (10 YR 4/6) to yellowish red (5 YR 4/6) loamy sand. Uniform.	Stony, gravelly, dark yellowish brown (10 YR 4/4) to brown (10 YR 5/3) to dark to dark reddish brown (5 YR 3/2) clay loam to sandy clay.	Gravelly, mottled strong brown (7.5 YR 5/8), grey (7.5 YR 5/0), light olive brown (2.5 Y 4/4), light clay. Gradational.
Permeability	High-Moderate	Moderate-Low		High	Moderate	Moderate
Typical depth(m)	0.30	1.30	0.50	0.20-0.80	0.50	1.20
Depth(A)Horizon(m)	0.05	0.30	0.15	0.04-0.10	0.10-0.20	0.10
LAND USE	Shack development, Forestry, grazing, recreation (fishing and hunting)					
HAZARDS	Low sheet erosion	Waterlogging and flooding		Wind erosion	Moderate sheet erosion	