

573251

ICE BROOK

This land system includes hilly, sandstone country in the upper catchment of the Lachlan River and has been extrapolated to include country in the upper Plenty River, inland from Mt Lloyd, and areas near Mountain River such as Lower Longley.

Ridges and crests have a uniform, stony, gritty, very dark grey to dark reddish brown to dark yellowish brown sandy clay loam that is typically less than 1.00 m in depth. Steep, upper slopes contain a deep (>1.40 m), duplex soil with a loamy sand to sandy loam surface over a yellowish brown, sandy clay or heavy clay. These steep slopes typically have open forest dominated by *Eucalyptus delegatensis*, *Eucalyptus obliqua* and *Eucalyptus globulus* with an understorey of *Monotoca glauca*, *Coprosma quadrifida*, *Dianella tasmanica*, *Bedfordia salicina*, *Astroloma humifusum*, *Pteridium esculentum*, *Oxylobium ellipticum*, *Phebalium sguameum*, *Cyathodes glauca*, *Banksia marginata* and *Richea procera*.

Protected lower slopes and gullies are typically dominated by *Eucalyptus regnans* and *Eucalyptus obliqua* over an understorey of *Pteridium esculentum*, *Leptospermum lanigerum*, *Coprosma quadrifida*, *Pittosporum bicolor*, *Phebalium sguameum*, *Polystichum proliferum*, *Nothofagus cunninghamii*, *Acacia dealbata*, *Cassinia aculeata* and *Dicksonia antarctica*. These areas commonly contain a deep, (1.35m) duplex soil consisting of a sandy clay loam over a yellowish-brown sandy clay or light clay mottled grey to light grey at depth.

Forestry and grazing are the main land uses. The land system is particularly prone to sheet, rill and gully erosion.

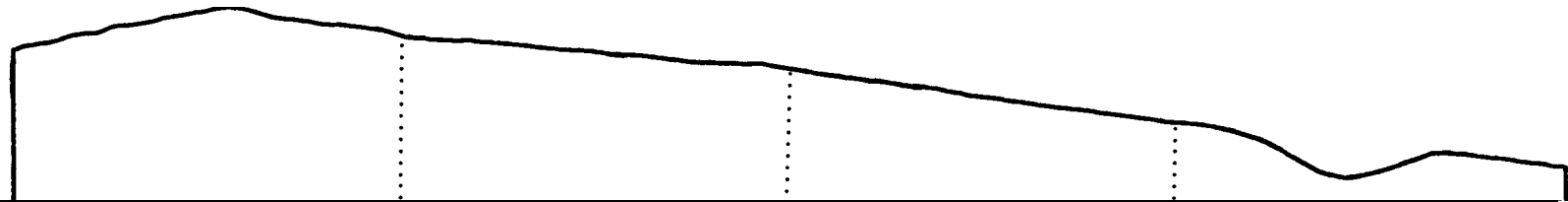


*Sandstone ridges and crests of the Ice Brook (573251} Land System
between Lachlan and Crabtree.*

LAND SYSTEM
Ice Brook

573251

Area (ha):
11015



COMPONENT	A B C D			
PROPORTION (%)	25 25 25 25			
RAINFALL (mm)	Approximate Annual Rainfall: 1000-1250			
GEOLOGY	Triassic Sandstone			
TOPOGRAPHY	Mountains Ridges and Gullies			
Position	Ridges/Crests	Exposed Upper Slopes	Upper Slopes	Protected Lower Slopes/Gullies
Typical Slope()	0-10	30	30	25
NATIVE VEGETATION				
Structure	Open Forest		Open Forest	Tall Open Forest
Floristic Association (See Appendix 1 for common names)	<u>Eucalyptus delegatensis</u> <u>Eucalyptus obliqua</u> <u>Eucalyptus globulus</u> <u>Dianella tasmanica</u> <u>Monotoca glauca</u> <u>Coprosma quadrifida</u> <u>Bedfordia salicina</u> <u>Astroloma humifusum</u> <u>Pteridium esculentum</u>		<u>Eucalyptus delegatensis</u> <u>Eucalyptus obliqua</u> <u>Oxylobium ellipticum</u> <u>Phebalium squameum</u> <u>Cyathodes glauca</u> <u>Banksia marginata</u> <u>Richea procera</u>	<u>Eucalyptus regnans</u> <u>Eucalyptus obliqua</u> <u>Pteridium esculentum</u> <u>Leptospermum lanigerum</u> <u>Coprosma quadrifida</u> <u>Pittosporum bicolor</u> <u>Phebalium squameum</u> <u>Polystichum proliferum</u> <u>Nothofagus cunninghamii</u> <u>Acacia dealbata</u> <u>Cassinla aculeata</u> <u>Dicksonia antarctica</u>
SOIL				
Surface(A) Texture	Sandy Clay Loam	Loamy Sand	Sandy Loam/Loamy Sand	Sandy Clay Loam
B Horizon (subsoil) Colour (moist) Texture and primary profile form	Stony, gritty, sandy clay loam - Dark reddish brown (5 YR 3/3) to Dark yellowish brown (10 YR 4/4) Uniform.	Deep yellowish brown (10 YR 5/8) heavy clay or sandy clay. Duplex.	Deep yellowish brown (10 YR 5/8) sandy clay or heavy clay. Duplex.	Deep light or sandy clay - yellowish brown (10 YR 5/6) with grey/light grey (10 YR 6/1) mottle. Duplex.
Permeability	Moderate	Moderate	Moderate	Moderate
Typical depth(m)	1.00	>1.40	>1.40	1.35
LAND USE	Grazing, Forestry			
HAZARDS	Moderate/High Sheet, Gully, Rill Erosion			