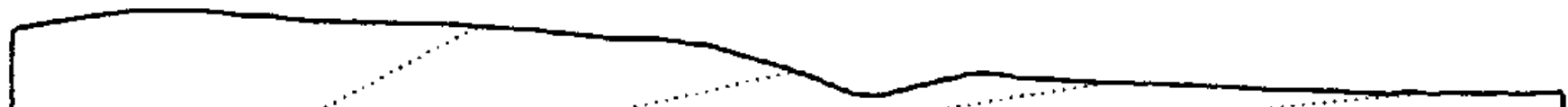


LAND SYSTEM  
Chimney Pot Hill

372143

Area (ha):  
34962



COMPONENT	A	B	C	D	E
PROPORTION(%)	30	20	20	20	10
RAINFALL (mm)	Approximate Annual Rainfall:				
GEOLOGY	Jurassic Dolerite				
TOPOGRAPHY	Hills and Associated Flats				
Position	Exposed Crests/Ridges	Exposed Upper Slopes	Protected Slopes/Gullies	Exposed Lower Slopes	Drainage Flats
Typical	7	10-30	25	10	3
<b>NATIVE VEGETATION</b>					
Structure	Woodland Over	(Low) Woodland Over	Open Forest	Low Woodland	Woodland/Open Forest
Floristic	Eucalyptus pulchella	Eucalyptus	Eucalyptus globulus	Eucalyptus viminalis	Eucalyptus ovata
	(Eucalyptus	Lepidosperma	Eucalyptus obliqua	Eucalyptus globulus	Lomandra longifolia
	(Eucalyptus	Diplarrena moraea	Pomaderris apetala	Eucalyptus pulchella	Diplarrena moraea
	(Eucalyptus ovata)	Lomandra longifolia	Acacia verticillata	Bossiaea prostrata	Leptospermum
	Lomandra longifolia	Eriostemon	Acacia melanoxylon	Casuarina stricta	
	Lepidosperma	Correa lawrenclana	Bursaria spinosa	Dodonaea viscosa	
	Themeda australis	Pultenaea	Goodenia ovata	Lomandra longifolia	
	Stipa sp.	Astroloma humifusum	Pultenaea	Bursaria spinosa	
	Pultenaea juniperina	Casuarina	Bedfordia salicina	Acacia mearnsii	
	Pimelea nivea	Acacia dealbata		Lepidosperma laterale	
	Callistemon pallidus	Acacia myrtifolia		Themeda australia	
		Lomatia tinctoria		Stipa stupos	
		Leptospermum		Gahnia graminifolia	
		Banksia marginata			
		Exocarpos			
		Acrotriche			
		Tetratheca pilosa			
		Hibbertia riparia			
		Leucopogon collinus			
SOIL					
Surface(A)Texture	(Sandy) Clay Loam	Sandy (Clay) Loam	Clay Loam	Light Clay/Clay Loam	Medium Clay
B Horizon(subsoil) Colour (moist) Texture and primary profile	Shallow stony medium clay - Light olive brown (2.5 Y 5/4). Duplex.	Shallow stony, heavy clay-Dark yellowish brown (10 YR 4/4). Duplex.	Deep medium clay - Brown (10 YR 5/3). Duplex.	Deep heavy clay - Black (10 YR 2/1). Gradational.	Heavy clay - Very dark brown (10 YR 2/2) to olive brown (2.5 Y 4/4). Uniform.
Permeability	Moderate	Moderate	Moderate	Moderate	Low
Typical depth(m)	0.60	0.60	0.80	0.60	0.60
LAND USE	Water Catchment, Grazing, Recreation				
HAZARDS	Moderate - Low Sheet, Rill, Gully Erosion				Waterlogging, Flooding

372143

CHIMNEY POT HILL

The Chimney Pot Hill land systems consists of dolerite country located south of Hobart between Fern Tree and Mt Nelson. It has been extrapolated to include other areas between Knocklofty and Berriedale, and west of the Derwent River between Plenty and Lake Repulse and on the east coast near Triabunna and on Maria Island.

Exposed crests and ridges have a shallow (0.60m) stony duplex soil consisting of a clay loam to sandy clay loam surface over light olive brown clay. This sustains a woodland dominated by *Eucalyptus pulchella*, occasionally by *Eucalyptus globulus*, *Eucalyptus viminalis* and *Eucalyptus ovata*, with a grassy understorey that includes *Themeda australis*, *Stipa* sp., *Lomandra longifolia*, *Lepidosperma laterals*, *Pultenaea juniperina* and *Callistemon pallidus*.

Exposed upper slopes contain a shallow, stony, duplex soil consisting of a sandy loam to sandy clay loam surface over a dark yellowish brown clay. This supports a woodland to low woodland dominated by *Eucalyptus pulchella* with a heathy understorey that includes *Lepidosperma laterale*, *Diplarrena moraea*, *Lomandra longifolia*, *Eriostemon verrucosus*, *Correa lawrenciana*, *Pultenaea juniperina*, *Astroloma humifusum*, *Casuarina monilifera*, *Acacia dealbata*, *Lomatia tinctoria*, *Leptospermum scoparium*, *Banksia marginata*, *Exocarpos cupressiformis*, *Acrotriche serrulata*, *Tetratheca pilosa*, *Hibbertia riparia* and *Leucopogon collinus*.

Protected slopes and gullies have a deep (0.80 m) duplex soil consisting of a clay loam surface over a brown clay. This supports an open forest dominated by *Eucalyptus globulus* and *Eucalyptus obliqua* with a dense understorey that includes *Pomaderris apetala*, *Acacia verticillata*, *Bursaria spinosa*, *Goodenia ovata*, *Pultenaea daphnoides* and *Bedfordia salicina*.

Exposed lower slopes contain a deep (0.60 m), black, gradational soil consisting of a clay loam to light clay surface over a black heavy clay. This sustains a woodland to low woodland dominated by *Eucalyptus viminalis*, *Eucalyptus globulus* and *Eucalyptus pulchella* with an understorey of *Bossiaea prostrata*, *Casuarina stricta*, *Dodonaea viscosa*, *Lomandra longifolia*, *Bursaria spinosa*, *Acacia mearnsii*, *Lepidosperma laterale*, *Themeda australis*, *Stipa stiposa* and *Gahnia graminifolia*.

Drainage flats have a deep (0.60 m), uniform, heavy clay that supports a woodland/open forest dominated by *Eucalyptus ovata* with an understorey of *Lomandra longifolia*, *Diplarrena moraea* and *Leptospermum scoparium*.

The land system is mainly used for water catchment, grazing, nature conservation and recreation. It is not particularly prone to erosion although sheet, rill and gully erosion problems sometimes occur on the crests and slopes following major disturbance. Waterlogging and flooding hazards are associated with the drainage flats. The land system is closely related to the more rugged Eastern Tiers (372241) and Stonehurst Sugarloaf (372144) Land Systems.



Exposed upper slopes of the Chimney Pot Hill (372143) Land System supporting a woodland dominated by *Eucalyptus pulchella*.



Drainage flats in the Chimney Pot Hill (372143) Land System sustaining a woodland dominated by *Eucalyptus ovata*.