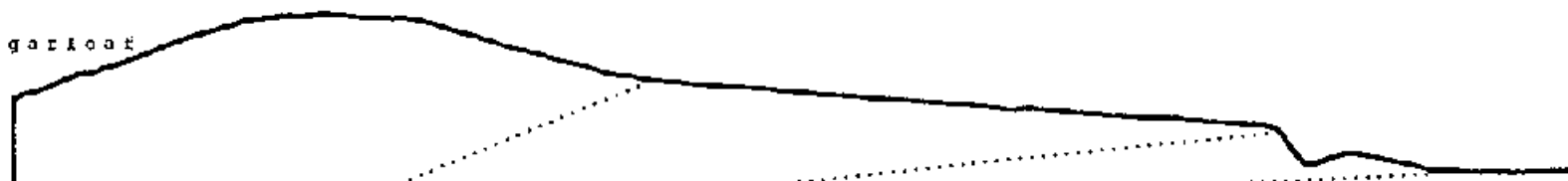


LAND SYSTEM
Stonehurst Sugarloaf

372144

Area (ha):
59963



COMPONENT	A	B	C	D
PROPORTION (%)	40	40	10	10
RAINFALL (mm)	Approximate Annual Rainfall: 625-750			
GEOLOGY	Jurassic Dolerite			
TOPOGRAPHY		Rugged Hills		
Position	Crests/Upper Slopes	Mid Slopes	Protected Slopes/Gullies	Drainage Flats
Typical Slope()	15	20	25	0
NATIVE VEG				
Structure		Woodland/Open Forest		Open Forest
Floristic Association (See Appendix 1 for common names)	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus obliqua</i>	<i>Eucalyptus ovata</i>
	<i>Eucalyptus globulus</i>	<i>Eucalyptus viminalis</i>	<i>Eucalyptus globulus</i>	<i>Eucalyptus amygdalina</i>
	<i>Eucalyptus pulchella</i>	<i>Lepidosperma laterale</i>	<i>Pomaderris apetala</i>	<i>Eucalyptus globulus</i>
	<i>Acacia dealbata</i>	<i>Diplarrena moraea</i>	<i>Acacia verticillata</i>	<i>Diplarrena moraea</i>
	<i>Exocarpos stricta</i>	<i>Lomandra longifolia</i>	<i>Acacia melanoxylon</i>	<i>Acacia dealbata</i>
	<i>Themeda australis</i>	<i>Themeda australis</i>	<i>Bursaria spinosa</i>	<i>Casuarina littoralis</i>
	<i>Bursaria spinosa</i>	<i>Casuarina littoralis</i>	<i>Goodenia ovata</i>	<i>Lomandra longifolia</i>
	<i>Acrotriche serrulata</i>	<i>Goodenia lanata</i>	<i>Pultenaea daphnoides</i>	<i>Themeda australis</i>
	<i>Astroloma humifusum</i>	<i>Bossiaea prostrata</i>	<i>Olearia lirata</i>	<i>Acacia melanoxylon</i>
	<i>Poa sp.</i>	<i>Hibbertia riparia</i>	<i>Bedfordia salicina</i>	<i>Pomaderris apetala</i>
	<i>Lepidosperma laterale</i>			<i>Bursaria spinosa</i>
<i>Casuarina stricta</i>			<i>Exocarpos cupressiformis</i>	
SOIL				
Surface(A)Texture	Clay Loam	Clay Loam	Clay Loam	Clay Loam/Light Clay
B Horizon (subsoil) Colour (moist) Texture and primary profile form	Shallow stony medium clay - light olive brown (2.5 Y 5/4) to dark greyish brown (10 YR 4/2). Duplex. :	Shallow stony medium clay - Dark yellowish brown (10 YR 4/4) . Duplex.	Stony medium clay - Brown (10 YR 5/3) . Duplex.	Deep medium heavy clay -Black (10 YR 2/1) to dark greyish brown (2.5 Y 4/2) to dark yellowish brown (10 YR 4/6) to brown (10 YR 5/3). Gradational .
Permeability	Moderate/High	Moderate/High	Moderate	Low
Typical depth(m)	0.50	0.60	0.90	1.00
LAND USE		Forestry, Grazing, Recreation		
HAZARDS	Low - Moderate Sheet, Rill, Gully Erosion			Waterlogging and Flooding

372144

STONEHURST SUGARLOAF

This land system includes an extensive area of rugged dolerite hills and associated flats in the Nugent, Orford, Buckland area.

Crests and upper slopes contain a shallow (e.g. <0.50 m), stony, duplex soil with a clay loam surface over a light olive brown to dark greyish brown clay. This supports a woodland dominated by *Eucalyptus amygdalina*, *Eucalyptus pulchella* and *Eucalyptus globulus* with an understorey of *Acacia dealbata*, *Exocarpos stricta*, *Themeda australis*, *Bursaria spinosa*, *Acrotriche serrulata*, *Astroloma humifusum*, *Poa sp.*, *Lepidosperma latex-ale* and *Casuarina stricta*,

Mid-slopes contain a stony, shallow (0.60 m), duplex soil with a clay loam surface over a dark yellowish brown clay. Protected slopes and gullies have a deep duplex soil consisting of a clay loam surface over brown clay. This sustains an open forest dominated by *Eucalyptus obliqua* and *Eucalyptus globulus* with a dense understorey of *Pomaderris apetala*, *Acacia verticillata*, *Bursaria spinosa*, *Goodenia ovata*, *Olearia lirata* and *Bedfordia salicina*.

Flats contain a deep (1.00 m) gradational soil with a clay loam to light clay surface over a medium to heavy clay that varies considerably in colour. This supports a woodland dominated by *Eucalyptus ovata*, *Eucalyptus amygdalina* and *Eucalyptus globulus* with an understorey of *Diplarrena moraea*, *Acacia dealbata*, *Casuarina littoralis*, *Lomandra longifolia*, *Themeda australis*, *Acacia melanoxylon*, *Pomaderris apetala*, *Bursaria spinosa* and *Exocarpos cupressi formis*.

The land system is mainly used for forestry, grazing and recreation. It is not particularly susceptible to erosion although sheet, rill and gully erosion problems are sometimes evident after major disturbance. Waterlogging and flooding hazards are associated with the drainage flats. The Eastern Tiers (372241) and the Chimney Pot Hill (372143) are closely related to this land system.