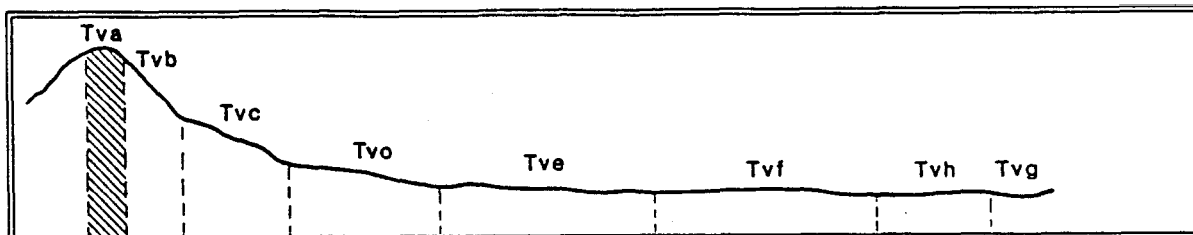


Map Unit:	TERTIARY VOLCANIC CREST	Map Unit Symbol: Tva
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General Description:

These volcanic crests comprise only 2.2% of the Shire. The soils are very shallow and potential productivity is severely limited by the very low nutrient status and available water capacity of the soils. However, the native vegetation, wildlife and elevation of Hanging Rock, Camels Hump and to a lesser extent, the Jim Jim make popular recreational areas.

Site characteristics: Site No. 9

Parent material	Tertiary Volcanic	Depth seasonal watertable:	> 5 m
Age:		Potential recharge to groundwater:	Very high
Lithology:		Flooding risk:	Nil
Landform Pattern:	Gently undulating plain with isolated cones	Drainage:	Well drained
Element:	Crest	Depth to hardrock:	0.1 m
Slope common:	5%	Proportion of Shire:	2.2%
range:	2 – 10%		
Rock outcrop:	50%		

Native vegetation: Manna Gum, Snow Gum
Present land use: Recreation and conservation areas, grazing

Land degradation:	Water erosion		Wind	Salting	Acidification
	Sheet/rill	Gully			
Susceptibility	Very high	Moderate	High	Very low	High
Incidence	Very low	Nil	Low	Nil	Low

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	- Very high
Available water capacity:	20 mm H ₂ O
Linear Shrinkage (B horizon):	Low (estimate)

Soil profile description:

- A** 0-10 cm Dark yellowish brown (10YR 3/4) fine sandy loam, weak crumb structure 3 mm, loose consistence (dry), rough fabric, common medium angular rock fragments pH 5.1. Abrupt transition to
- C** 10+ cm Parent material - rock

Soil classification:

Factual Key (Northcote): Um 1.43
 Australian Soil Classification: Lithic Leptic Rudosol, shallow, thin, loamy, moderately gravelly
 Unified Soil Group: NA

Interpretation of soil analyses*

Horizon	pH	Gravel	E.C.	Nutrient status	P	K	Al	Org. matter	Dispersibility
A	5.1 **	33	VL	VL	D	S	T	H	M

VL : Very Low L : Low M : Moderate H: High VH : Very High
 D: Deficient S: Satisfactory T: Toxic ** Acid NA : Not available

Land capability assessment

Land use	Class	Major limiting feature (s)
Agriculture (CTS values)	C ₃ T ₃ S ₅	Very shallow depth to hard rock, very low available water capacity
Effluent disposal (septic tanks)	5	Shallow depth to hard rock
Farm dams (earthen)	5	Very shallow depth to hard rock Very shallow depth of clay layer
Building foundations * slab	5	Shallow depth to hard rock, excessive stone and boulder content
* stumps/footings	5	Shallow depth to hard rock, excessive stone and boulder content