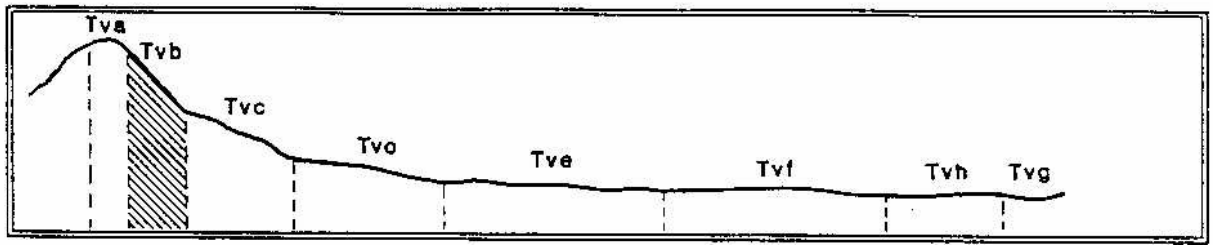
Map Unit:	TERTIARY VOLCANIC, STEEP SLOPE	Map Unit Symbol: Tvb



General Description:

This map unit represents the steep sides of Hanging Rock, Camels Hump and the Jim Jim mamelons. The shallow stony gradational soils have very limited agricultural potential and land use is restricted to the conservation of native flora and fauna.

Site characteristics: **Site No. 37**

Parent material **Age:** **Lithology:**	 Tertiary Volcanic	**Depth seasonal watertable:**	> 5.0 m
Landform **Pattern:** **Element:**	 Gently undulating plain with isolated cones Steep slope	**Potential recharge to groundwater:**	High
Slope **common:** **range:**	 35% 32 – 50%	**Flooding risk:**	Nil
Rock outcrop:	50 – 100%	**Drainage:**	Rapidly drained
		Depth to hardrock:	0.4 m
		Proportion of Shire:	1.7%

Native vegetation: Manna Gum, Snow Gum
Present land use: Recreation, nature conservation

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

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	- Excessive
Available water capacity:	75 mm H_2O
Linear Shrinkage (B horizon):	NA

Soil profile description:

A_1	0-17 cm	Dark yellowish brown (10YR 3/4) loam, moderate subangular blocky structure 2 mm, rough fabric, <2% subangular rock fragments, pH 6.0 clear transition to
A_2	17-37 cm	Brown (7.5YR 4/4) clay loam, bleached (7.5YR 8/6 dry) weak subangular blocky structure 5 mm, rough ped, very weak consistence, few rounded rock fragments, pH 6.0, gradual transition to
B	37-45 cm	Brown (7.5YR 4/4) light clay, moderate subangular blocky structure 2 mm, rough fabric, very weak consistence, medium and coarse subangular rock fragments are common, pH 6.0. Abrupt transition to
C	45 + cm	Parent material, rock

Soil classification:

Factual Key (Northcote): Gn 4.31
Australian Soil Classification: Bleached, Dystrophic Brown Dermosol shallow, thick, loamy, non-gravelly
Unified Soil Group: NA

Interpretation of soil analyses*

Horizon	pH	Gravel	E.C.	Nutrient status	P	K	Al	Org. matter	Dispersibility
A_1	6.0	NA	NA	NA	NA	NA	NA	M	L
A_2	6.0	NA	NA	NA	NA	NA	NA	L	L
B	6.0	NA	NA	NA	NA	NA	NA	VL	L

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)	$C_3T_5S_5$	Very steep slopes, very shallow soils Very high susceptibility to sheet/rill erosion
Effluent disposal (septic tanks)	5	Steep slopes, shallow depth to hard rock
Farm dams (earthen)	5	Steep slopes, shallow depth of clay layer and depth to hard rock, excessive permeability
Building foundations * slab * stumps/footings	 5 5	 Steep slopes, excessive stone and boulder Steep slopes, excessive stone and boulder