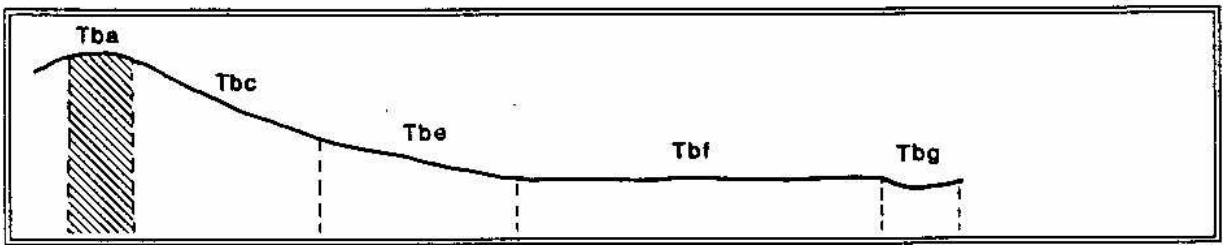
Map Unit:	TERTIARY BASALT CREST TERTIARY BASALT CREST	Map Unit Symbol: Tba



General Description:

These crests comprise only 1.4% of the Shire and are situated on the volcanic cones. The shallow loam soils vary in depth from 5-30 cm, B horizons are absent. Most of the native vegetation has been removed.

Site characteristics: **Site No. 30**

Parent material **Age:** **Lithology:**	 Tertiary Basalt	**Depth seasonal watertable:**	> 5 m
Landform **Pattern:** **Element:**	 Gently undulating plain with isolated volcanic cones Crest	**Potential recharge to groundwater:**	High
Slope **common:** **range:**	 6% 1-10%	**Flooding risk:**	Nil
Rock outcrop:	40%	**Drainage:**	Rapidly drained
		Depth to hardrock:	< 0.5 m
		Proportion of Shire:	1.4%

Native vegetation: Manna Gum, Snow Gum, Swamp Gum (mostly cleared)
Present land use: Grazing (introduced pastures), recreation

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

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	- Very rapid
Available water capacity:	50 mm H_2O
Linear Shrinkage (B horizon):	Very low (estimate)

Soil profile description:

0_1	5-0 cm	Dark brown (10YR 2/2) organic layer, pH 6.0. Clear transition to
A	0-25 cm	Dark brown (10YR 2/2) loam, moderate subangular blocky structure 2-5 mm, rough fabric, moderately weak consistence, <2% angular basalt gravel, pH 6.5. Clear transition to
R	25 + cm	Basalt parent material

Soil classification:

Factual Key (Northcote): Urn 6.11
Australian Soil Classification: Paralithic, Leptic, Rudosol, shallow, medium, loamy, non-gravelly
Unified Soil Group: NA

Interpretation of soil analyses*

Horizon	pH	Gravel	E.C.	Nutrient status	P	K	Al	Org. matter	Dispersibility
O_1	6.0	0	NA	NA	NA	NA	NA	H	M
A	6.5	<2	NA	NA	NA	NA	NA	M	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)	$C_3T_3S_5$	Very shallow soils, very low available water capacity, high stone content
Effluent disposal (septic tanks)	5	Shallow depth to bed-rock
Farm dams (earthen)	5	Very shallow depth to bed-rock
Building foundations * slab * stumps/footings	 5 5	 Shallow depth to bed-rock Shallow depth to bed-rock