



### A. GENERAL DESCRIPTION

The soils of this unit occur only on the yellow granite soils to the north of the Shire. Outcropping tors are common. The soils are variable; shallow light sandy clay loams are common on the steeper crests, and deeper gradational soils with sandy clay loam topsoils and sandy clay subsoils occur on the gentler crests. Some crests are too small to map accurately. As the unit makes up only a small percentage of the Shire, a detailed site was not completed.

#### SITE CHARACTERISTICS

<b>Parent Material Age:</b>	Devonian	<b>Depth to Seas. Watertable:</b>	>5.0 m
<b>Parent Material Lithology:</b>	Granite	<b>Flooding Risk:</b>	Nil
<b>Landform Pattern:</b>	Rolling low hills	<b>Drainage:</b>	Rapidly drained
<b>Landform Element:</b>	Hillcrest	<b>Rock Outcrop:</b>	10-40%
<b>Slope a) common:</b>	2%	<b>Depth to Hard Rock:</b>	>0.4 m (variable)
<b>Slope b) range:</b>	0-2%	<b>Present Land Use:</b>	Forested, grazing
<b>Potential Recharge to Groundwater:</b>	High		
<b>Major Native Vegetation Species:</b>	Silver Wattle, Narrow-leaved Peppermint, Messmate, Manna Gum, Bracken Fern		

#### LAND DEGRADATION

Land Degradation	Water Erosion		Wind Erosion	Mass Movement	Salting	Acidification
	sheet/rill	gully				
<b>Susceptibility</b>	Low	Moderate	Mod-high	Very low	Very low	Low
<b>Incidence</b>	Low	Low	Low	Nil	Nil	Not available

### B. SOIL PROFILE

#### PROFILE DESCRIPTION

<b>A0</b>	0-20 mm	Organic.
<b>A1</b>	20-140 mm	Very dark greyish brown (10YR3/2) light sandy clay loam, apedal, single grained, sandy fabric, fine and medium granite gravel fragments are abundant, pH 5.5. Diffuse transition to:
<b>B</b>	140-350 mm	Brown (10YR5/3) light sandy clay loam, apedal single grained, sandy fabric, many fine granite gravel fragments, pH 5.5:
	350 mm+	Partiality weathered granitic rock

## CLASSIFICATION

<b>Factual Key:</b>	Uc1.21 (major) Gn4.51 (minor)
<b>Australian Soil Classification:</b>	Paralithic, Leptic, Rudosol; very gravely, clay loamy, shallow
<b>Unified Soil Group:</b>	Not available

## INTERPRETATION OF LABORATORY ANALYSIS\*

Horizon	pH (H <sub>2</sub> O)	% Gravel	E.C. (salts)	Nutrient Status	P	K	Al	Organic matter	Dispersibility
A	5.5	50-90	NA	NA	NA	NA	NA	H	NA
B	5.5	20-50	NA	NA	NA	NA	NA	M	NA

VL: Very Low    L: Low    M: Moderate    H: High    VH: Very High    D: Deficient    S: Satisfactory  
 T: Potentially Toxic    NA: Not Available    \* see appendix D for analytical results    \*\* Strongly Acidic

## SOIL PROFILE CHARACTERISTICS:

<b>Permeability:</b> Very rapid (estimate)
<b>Available Water Capacity:</b> Very low (31 mm H <sub>2</sub> O)
<b>Linear Shrinkage (B horizon):</b> Very low (estimate)

## C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
Agriculture	C <sub>2</sub> T <sub>1</sub> S <sub>5</sub>	Available water holding capacity
Effluent Disposal (septic tanks)	4	Depth to hardrock
Farm Dams	5	Suitability of subsoil, depth to hardrock, permeability
Building Foundations slab	4	Stone and boulder content, depth to hardrock
stumps/footings	4	Stone and boulder content, depth to hardrock