



### A. GENERAL DESCRIPTION

This map unit only makes up a very small percentage of the Shire, therefore a detailed site was not completed. It occurs on the granite. The soils are generally yellow duplex with a mottled subsoil and a conspicuously bleached A2 horizon.

#### SITE CHARACTERISTICS

<b>Parent Material Age:</b>	Devonian	<b>Depth to Seas. Watertable:</b>	>2.0 m
<b>Parent Material Lithology:</b>	Granite	<b>Flooding Risk:</b>	Nil
<b>Landform Pattern:</b>	Undulating rises	<b>Drainage:</b>	Moderately well drained
<b>Landform Element:</b>	Hillslope	<b>Rock Outcrop:</b>	10-40%
<b>Slope a) common:</b>	9%	<b>Depth to Hard Rock:</b>	>1.0 m
<b>Slope b) range:</b>	4-10%	<b>Present Land Use:</b>	Grazing, forested
<b>Potential Recharge to Groundwater:</b>	Low		
<b>Major Native Vegetation Species:</b>	Messmate, Manna Gum, Narrow-leaved Peppermint, Silver Wattle, Bracken Fern		

#### LAND DEGRADATION

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

### B. SOIL PROFILE

#### PROFILE DESCRIPTION

<b>A1</b>	0-100 mm	Very dark greyish brown (10YR3/2) clay loam with coarse sand, weak subangular blocky structure, peds 2-5 mm, rough fabric, granite and quartz gravel fragments are common, pH 5.2. Clear transition to:
<b>A2</b>	100-300 mm	Light yellowish brown (10YR6/4) bleached (10YR7/4) when dry, light clay with coarse sand, apedal massive, sandy fabric, many granite and quartz gravel fragments, pH 5.5. Clear transition to:
<b>B21</b>	300-500 mm	Strong brown (7.5YR 5/6) light medium clay, medium distinct red and yellow mottles are common, moderate subangular blocky structure, peds 5-10 mm, rough fabric, many granite and quartz gravel fragments, pH 5.75. Gradual transition to:
<b>B22</b>	500-900 mm	Strong brown (7.5YR5/6) light medium clay, medium distinct red and yellow mottles are common, strong angular blocky structure, peds 5-10 mm, rough fabric, many granite and quartz gravel fragments, pH 5.75. Clear transition to:
<b>C</b>	900 mm+	Partially weathered granitic rock.

**CLASSIFICATION****Factual Key:**

Dy3.41 (major) Dy3.11(minor)

**Australian Soil Classification:**

Bleached-mottled, ?, Brown Chromosol (Confidence level 4); medium, gravely, clay loamy/clayey, moderate

**Unified Soil Group:**

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
A1	5.2**	10-20	NA	NA	NA	NA	NA	H	NA
A2	5.5	20-50	NA	NA	NA	NA	NA	M	NA
B21	5.75	20-50	NA	NA	NA	NA	NA	L	NA
B22	5.75	20-50	NA	NA	NA	NA	NA	L	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:**

**Permeability:** Slow (estimate)  
**Available Water Capacity:** Low (92 mm H<sub>2</sub>O)  
**Linear Shrinkage (B horizon):** Moderate (estimate)

**C. LAND CAPABILITY ASSESSMENT**

Land Use	Class	Major Limiting Feature(s)/Land Use
<b>Agriculture</b>	C <sub>2</sub> T <sub>2</sub> S <sub>4</sub>	Condition of topsoil, available water capacity, gravel and boulder content
<b>Effluent Disposal (septic tanks)</b>	3	Drainage, permeability
<b>Farm Dams</b>	4	Depth to hardrock
<b>Building Foundations slab</b>	4	Stone and boulder content
<b>stumps/footings</b>	4	Stone and boulder content