



A. GENERAL DESCRIPTION

The yellow granite soils of this unit only represents a very small proportion of the Shire, therefore a detailed site description was not completed. The steep slopes mainly occur off the plateau. The soils are very shallow and have similar uniform soils to the steep crests, although they are variable. The percentage of tors is also variable. The common soil type is a light sandy clay loam uniform profile.

SITE CHARACTERISTICS

Parent Material Age:	Devonian	Depth to Seas. Watertable:	>5.0 m
Parent Material Lithology:	Granite	Flooding Risk:	Nil
Landform Pattern:	Steep hills	Drainage:	Rapidly drained
Landform Element:	Hillslope	Rock Outcrop:	10-40%
Slope a) common:	34%	Depth to Hard Rock:	>0.4 m
Slope b) range:	32-56%	Present Land Use:	State forest
Potential Recharge to Groundwater:	High		
Major Native Vegetation Species:	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				
Susceptibility	High	High	Moderate	Moderate	Very low	Low
Incidence	Low	Moderate	Low	Low	Nil	Not available

B. SOIL PROFILE

PROFILE DESCRIPTION

A1	0-140 mm	Very dark greyish brown (10YR 3/2) light sandy clay loam, apedal single grained, sandy fabric, fine and medium granite gravel fragments are abundant., pH 5.5. Diffuse transition to:
B	140-350 mm	Brown (10YR5/3) light sandy clay loam, apedal single grained, sandy fabric, many fine granite gravel fragments, pH 5.5.
C	350 mm+	Partially weathered granite rock.

CLASSIFICATION

Factual Key:	Uc1.21
Australian Soil Classification:	Paralithic, Leptic, Rudosol, (confidence level 4); very gravely, clay loamy, shallow
Unified Soil Group:	Not available

INTERPRETATION OF LABORATORY ANALYSIS*

Horizon	pH (H ₂ 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	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: Rapid (estimate)
Available Water Capacity: Very low (29 mm H₂O)
Linear Shrinkage (B horizon): Very low (estimate)

C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
Agriculture	C ₂ T ₅ S ₅	Slope, available water capacity
Effluent Disposal (septic tanks)	5	Slope
Farm Dams	5	Slope, suitability of subsoil, depth to hardrock, permeability
Building Foundations slab	5	Slope
stumps/footings	4	Slope, gravel and boulder content, depth to hardrock