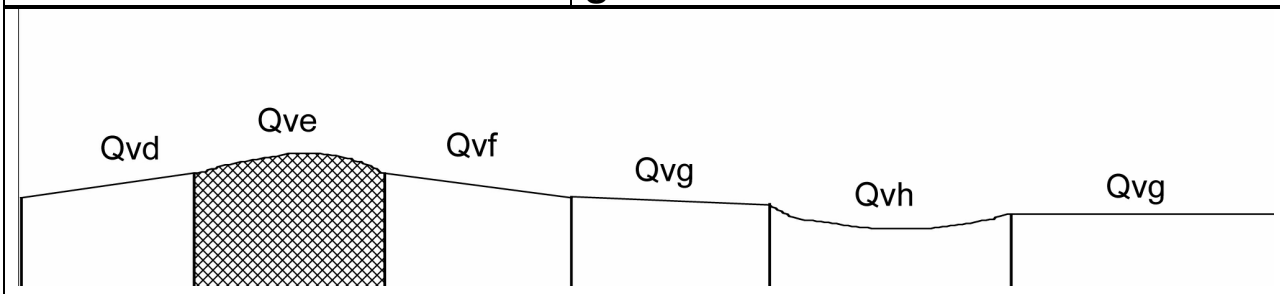
MAP UNIT SYMBOL: **Qve** Area: 889 ha	MAP UNIT: **Quaternary volcanic, gentle crest**



A. GENERAL DESCRIPTION

The soils are commonly red uniform clays. When there is a lighter topsoil the profile is duplex. The gentle crests generally have less than 10% rock outcrop although some areas are rockier with similar soils. Bedrock often occurs around 0.6 m, although this is variable throughout the Shire.

SITE CHARACTERISTICS

Parent Material Age:	Quaternary	**Depth to Seas. Watertable:**	>5.0 m
Parent Material Lithology:	Volcanic	**Flooding Risk:**	Nil
Landform Pattern:	Gently undulating rises	**Drainage:**	Well Drained
Landform Element:	Crest	**Rock Outcrop:**	0%
Slope a) common:	1%	**Depth to Hard Rock:**	0.60 m
Slope b) range:	0-3%	**Present Land Use:**	Grazing
Potential Recharge to Groundwater:	Moderate		
Major Native Vegetation Species:	Yellow Box, Golden Wattle, Silver Wattle		

LAND DEGRADATION

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

B. SOIL PROFILE

PROFILE DESCRIPTION

A	0-100 mm	Reddish brown (5YR4/2) light clay, weak subangular blocky structure, rough fabric, pH 6.0. Gradual transition to:
B	100-620 mm	Dark reddish brown (5YR3/3) light clay, strong subangular blocky structure, rough fabric, pH6.0. Clear transition to:
R	620 mm	Rock.

CLASSIFICATION

Factual Key:	Uf6.12 (major) Dr2.11/2, Dd2.12 (minor)
Australian Soil Classification:	Haplic, ?, Red Ferrosol (confidence level 4); medium, non-gravely, clayey/clayey, moderate
Unified Soil Group:	Not available

INTERPRETATION OF LABORATORY ANALYSIS*

Horizon	pH (H_20)	% Gravel	E.C. (salts)	Nutrient Status	P	K	Al	Organic matter	Dispersibility
A	6.0	NA	NA	NA	NA	NA	NA	NA	NA
B	6.0	NA	NA	NA	NA	NA	NA	NA	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 Moderate (estimate)
Available Water Capacity: Low (81 mm H_20)
Linear Shrinkage (B horizon): Not available

C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
Agriculture	$C_2T_1S_4$	Depth to hardrock, available water capacity
Effluent Disposal (septic tanks)	4	Depth to hardrock
Farm Dams	5	Depth to hardrock
Building Foundations **slabs** **stumps/footings**	 3 3	 Depth to hardrock Depth to hardrock