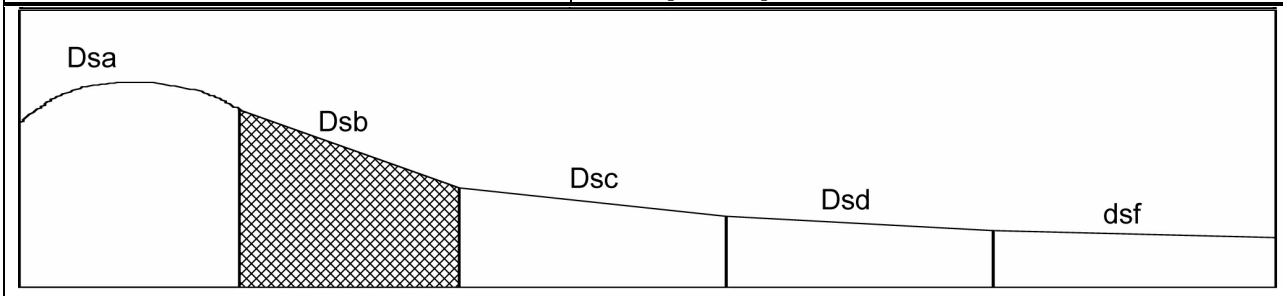
MAP UNIT SYMBOL: **Dsb** Area: 4 440 ha	MAP UNIT: **Devonian sediments, steep slope**



A. GENERAL DESCRIPTION

The sedimentary and conglomerate in the Shire, commonly called Kerrie Conglomerate, occurs in the south-west. The potential for erosion is high, but because the area is mostly forested the incidence of land degradation is reduced. Although the soils have light textured soils, the potential for acidification is reduced due to the high organic matter content which acts as a buffer. The common soil type is uniform coarse sand, with a weak to moderate structure, which is the same soil type found on the steep crests. Rock outcrop is variable. This unit also incorporates a number of small drainage depressions.

SITE CHARACTERISTICS

Parent Material Age:	Devonian	**Depth to Seas. Watertable:**	>5.0 m
Parent Material Lithology:	Sedimentary	**Flooding Risk:**	Nil
Landform Pattern:	Steep hills	**Drainage:**	Well drained
Landform Element:	Hillslope	**Rock Outcrop:**	0-20%
Slope a) common:	35%	**Depth to Hard Rock:**	0.7 - 2.0 m
Slope b) range:	32-56%	**Present Land Use:**	Grazing, forested

Potential Recharge to Groundwater: High

Major Native Vegetation Species: Silver Wattle, Manna Gum, Messmate, Bracken Fern

LAND DEGRADATION

Land Degradation	Water Erosion		Wind Erosion	Mass Movement	Salting	Acidification
	sheet/rill	gully				
Susceptibility	High	High	Mod-High	High	Very Low	Low-mod
Incidence	Low-Mod	Low-Mod	Low	Low	Nil	Not available

B. SOIL PROFILE

PROFILE DESCRIPTION

A11 0-80 mm — Dark brown (10YR3/3) coarse sandy loam, weak subangular blocky structure, rough fabric, pH 6.0. Gradual transition to:

A12 80-320 mm — Dark brown (10YR3/3) coarse sandy loam, weak subangular blocky structure, rough fabric, pH 6.0. Gradual transition to:

B2 320-700 mm+ — Brown (10YR 4/3) heavy coarse sandy loam, weak subangular blocky structure, rough fabric, pH 6.0.

CLASSIFICATION

Factual Key:	Uc6.11
Australian Soil Classification:	Haplic, ?, Brown Kandosol, (Confidence level 4); thick, non-gravely, loamy/loamy, moderate
Unified Soil Group:	Not available

INTERPRETATION OF LABORATORY ANALYSIS*

Horizon	pH (H_2O)	% Gravel	E.C. (salts)	Nutrient Status	P	K	Al	Organic matter	Dispersibility
A11	6.0	NA	NA	NA	NA	NA	NA	NA	NA
A12	6.0	NA	NA	NA	NA	NA	NA	NA	NA
B2	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: Rapid (estimate)
Available Water Capacity: Low (88 mm H_2O)
Linear Shrinkage (B horizon): Low (estimate)

C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
Agriculture	$C_2T_5S_4$	Slope
Effluent Disposal (septic tanks)	5	Slope
Farm Dams	5	Slope, permeability
Building Foundations **slab** **stumps/footings**	 5 4	 Slope Slope, susceptible to slope failure