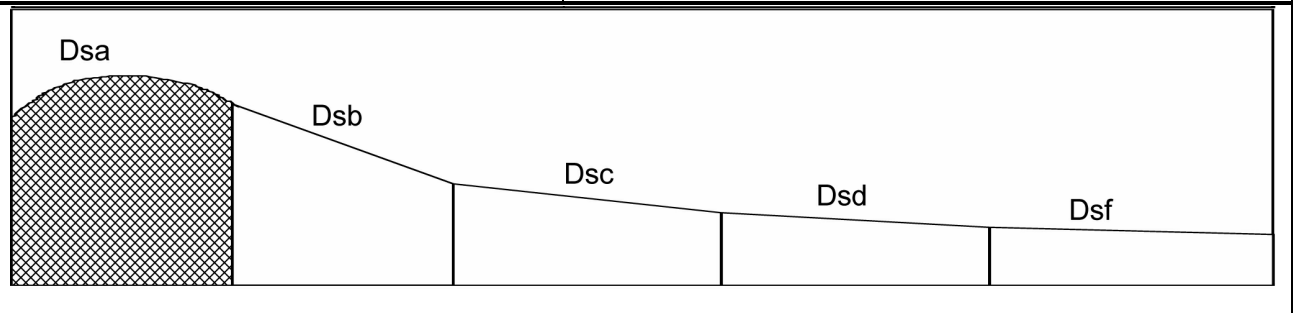


MAP UNIT SYMBOL: Dsa

Area: 1262 ha

**MAP UNIT: Devonian sediments,
steep crest**



A. GENERAL DESCRIPTION

The Devonian sedimentary and conglomerate, known as Kerrie Conglomerate, occurs in the southwest of the Shire. The area is mainly forested with some of the unit occurring in the Mt. Macedon State Park. As the area is forested there is a high organic matter content which reduces the potential for acidification although the topsoil texture is light. The soils are uniform coarse sandy loams, similar to those found on the steep crests.

SITE CHARACTERISTICS

Parent Material Age:	Devonian	Depth to Seas. Watertable:	>5.0m
Parent Material Lithology:	Sedimentary	Flooding Risk:	Nil
Landform Pattern:	Steep hills	Drainage:	Well drained
Landform Element:	Hillcrest	Rock Outcrop:	0-20%
Slope a) common:	2%	Depth to Hard Rock:	0.7 - 2.0 m
Slope b) range:	1-5%	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	Low	Moderate	Mod-High	Very Low	Very Low	Low-mod
Incidence	Low	Low	Low	Nil	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 (10YR4/3) 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-gravelly, loamy/loamy, moderate
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
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 ₂ O) Linear Shrinkage (B horizon): Low (estimate)

C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
Agriculture	C ₂ T ₁ S ₄	Available water capacity
Effluent Disposal (septic tanks)	3	Depth to hardrock
Farm Dams	5	Permeability, depth to hardrock (variable)
Building Foundations slab	3	Stone and boulder content (variable)
stumps/footings	3	Stone and boulder content (variable)