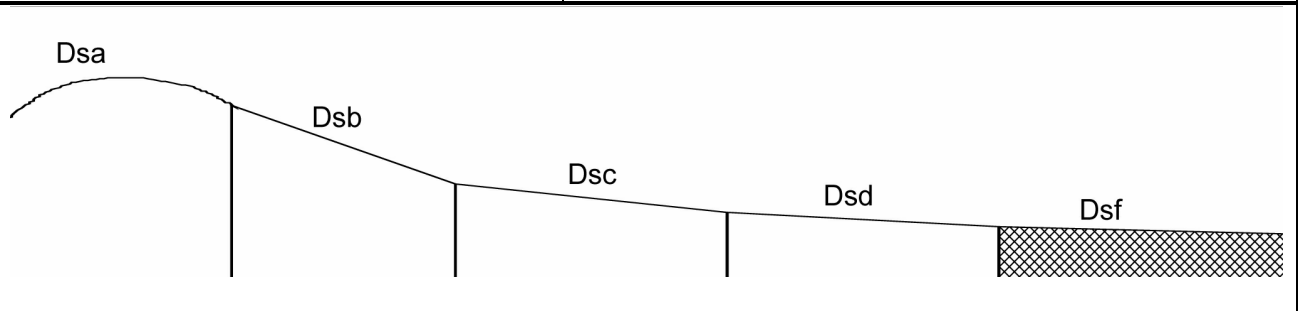


**MAP UNIT SYMBOL: Dsf**

Area: 212 ha

**MAP UNIT: Devonian sediments,  
gentle slope**



**A. GENERAL DESCRIPTION**

This unit only occurs in the southwest of the Shire on the Kerrie Conglomerate. The soils are similar to those found on the moderate slopes. Although the soils are variable, the common soil type is a reddish brown gradational soil. The topsoil is a coarse sandy clay loam, with a gradual transition to a sandy clay subsoil.

**SITE CHARACTERISTICS**

<b>Parent Material Age:</b>	Devonian	<b>Depth to Seas. Watertable:</b>	>2.0 m
<b>Parent Material Lithology:</b>	Sedimentary	<b>Flooding Risk:</b>	Nil
<b>Landform Pattern:</b>	Undulating low hills	<b>Drainage:</b>	Moderately well drained
<b>Landform Element:</b>	Hillslope	<b>Rock Outcrop:</b>	0-2%
<b>Slope a) common:</b>	6%	<b>Depth to Hard Rock:</b>	>1 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> Silver Wattle, Manna Gum, Messmate, Bracken Fern			

**LAND DEGRADATION**

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

**B. SOIL PROFILE**

**PROFILE DESCRIPTION**

<b>A11</b>	0-70 mm	Dark greyish brown (10YR4/2) coarse sandy clay loam, weak subangular blocky structure, rough fabric, pH 5.0. Gradual transition to:
<b>A12</b>	70-120 mm	Dark greyish brown (10YR4/2) coarse sandy clay loam, weak subangular blocky structure, rough fabric, a few medium sedimentary gravel fragments, pH 4.5. Gradual transition to:
<b>B21</b>	120-170 mm	Reddish brown (2.5YR5/4) sandy clay, moderate subangular blocky structure, rough fabric, pH 6.0. Gradual transition to:
<b>B22</b>	170-400 mm+	Reddish brown (2.5YR5/4) sandy clay, moderate angular blocky structure, rough fabric, pH5.75.

**CLASSIFICATION**

<b>Factual Key:</b>	Gn4.51
<b>Australian Soil Classification:</b>	Haplic, ?, Red Dermosol (confidence level 4); slightly gravely, clay loamy/ clayey, moderate-deep
<b>Unified Soil Group:</b>	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
A11	5.0**	<2.0	NA	NA	NA	NA	NA	NA	NA
A12	4.5**	2-10	NA	NA	NA	NA	NA	NA	NA
B21	6.0	<2.0	NA	NA	NA	NA	NA	NA	NA
B22	5.75	<2.0	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:** Moderate (134 mm H<sub>2</sub>O)  
**Linear Shrinkage (B horizon):** Low (estimate)

### C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
Agriculture	C <sub>2</sub> T <sub>2</sub> S <sub>3</sub>	Depth of topsoil, available water capacity, depth to hardrock, susceptibility to sheet, rill, gully and wind erosion
Effluent Disposal (septic tanks)	3	Drainage
Farm Dams	4	Permeability, depth to hardrock
Building Foundations slab	3	Slope, drainage
stumps/footings	3	Drainage