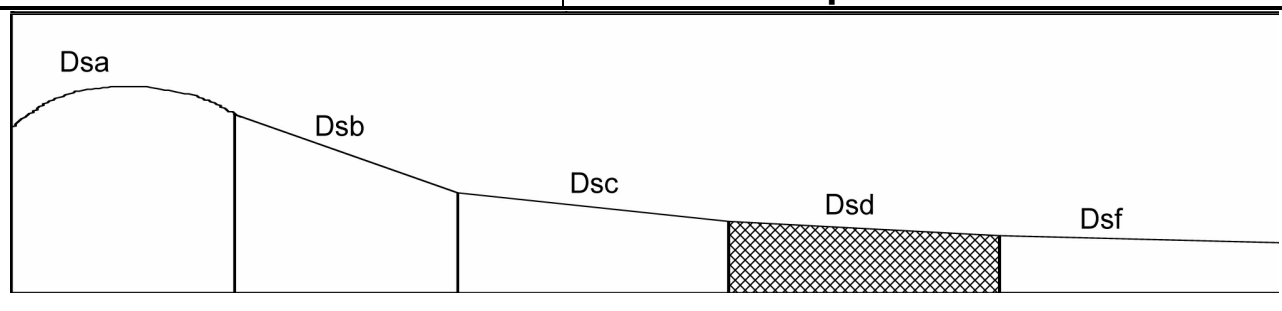


MAP UNIT SYMBOL: Dsd

Area: 4 299 ha

**MAP UNIT: Devonian sediments,
moderate slope****A. GENERAL DESCRIPTION**

This unit only occurs in the southwest of the Shire on the Kerrie Conglomerate. The soils on the moderate slopes are similar to those of the gentle slopes. The soils of this unit are moderately susceptible to gully, wind, sheet and rill erosion.

SITE CHARACTERISTICS

Parent Material Age:	Devonian	Depth to Seas. Watertable:	>2.0 m
Parent Material Lithology:	Sedimentary	Flooding Risk:	Nil
Landform Pattern:	Rolling low hills	Drainage:	Moderately well drained
Landform Element:	Hillslope	Rock Outcrop:	0-2%
Slope a) common:	14%	Depth to Hard Rock:	>1.0 m
Slope b) range:	11-20%	Present Land Use:	Grazing, partly forested
Potential Recharge to Groundwater: Low			
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	Moderate	Moderate	Moderate	Moderate	Very Low	Low
Incidence	Low	Low	Low	Low	Nil	Not available

B. SOIL PROFILE**PROFILE DESCRIPTION**

A11	0-70 mm	Dark greyish brown (10YR4/2) coarse sandy clay loam, weak subangular blocky structure, rough fabric, pH5.0. Gradual transition to:
A12	70-120 mm	Dark greyish brown (10YR4/2) coarse sandy clay loam, weak subangular blocky structure, rough fabric, a few medium gravel fragments, pH4.5. Gradual transition to:
B21	120-170 mm	Reddish brown (2.5YR5/4) sandy clay, moderate subangular blocky structure, rough fabric, pH 6.0. Gradual transition to:
B22	170-400 mm+	Reddish brown (2.5YR5/4) sandy clay, moderate angular blocky peds, rough fabric, pH5.75.

CLASSIFICATION

Factual Key:	Gn4.51
Australian Soil Classification:	Haplic, ?, Red Dermosol (confidence level 4); slightly gravely, clay loamy/clayey, moderate/deep
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	5.0**	<2	NA	NA	NA	NA	NA	NA	NA
A12	4.5**	2-10	NA	NA	NA	NA	NA	NA	NA
B21	6.0	<2	NA	NA	NA	NA	NA	NA	NA
B22	5.75	<2	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 H₂O)
Linear Shrinkage (B horizon): Low (estimate)

C. LAND CAPABILITY ASSESSMENT

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