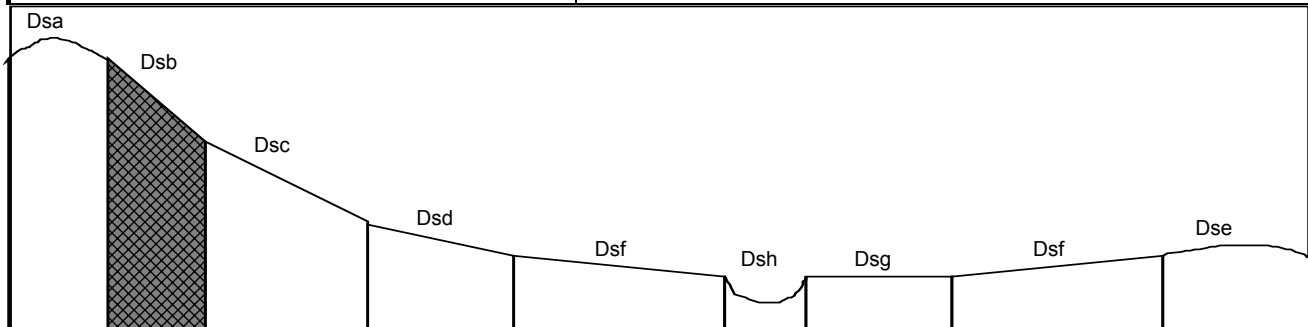


<b>MAP UNIT SYMBOL : Dsb</b> Area : 11,291 ha	<b>MAP UNIT : Devonian sediments, steep slope.</b>
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### A. GENERAL DESCRIPTION :

These steep slopes occur in the sedimentary steep hills land system below the ridge line. The soils are similar to those on the crest/ridge line; shallow, gravelly fine sandy loams which sometimes grade into clay loams or clays at depth. These slopes are potentially very high groundwater recharge areas if cleared of native vegetation. They are also very susceptible to sheet and rill erosion, and to mass movement.

### SITE CHARACTERISTICS :

<b>Parent Material Age:</b>	Devonian	<b>Depth to Seas. Watertable:</b>	>10m
<b>Parent Material Lithology:</b>	Sediments	<b>Flooding Risk:</b>	Nil
<b>Landform Pattern:</b>	Steep hills	<b>Drainage:</b>	Rapidly drained
<b>Landform Element:</b>	Hillslope	<b>Rock Outcrop:</b>	0-10%
<b>Slope a) common:</b>	39%	<b>Depth to Hard Rock:</b>	0.2-1.0m
<b>Slope b) range:</b>	32-70%	<b>Present Land Use:</b>	Native forest
<b>Potential Recharge to Groundwater:</b>	Very high		
<b>Major Vegetation Species:</b>	Red Stingybark, Silver Wattle, Kangaroo Grass, Wallaby Grass		

### LAND DEGRADATION :

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

### B. SOIL PROFILE

#### PROFILE DESCRIPTION

<b>A11</b>	0-160mm	Very dark grey (10YR3/1) light clay loam, weak subangular blocky structure, peds 5-10mm, rough fabric, moderately weak consistence, abundant angular sedimentary gravel fragments, pH 4.3. Gradual transition to:
<b>A12</b>	160-300mm	Very dark greyish brown (10YR3/2) fine sandy loam, weak subangular blocky structure, peds 2-5mm, rough fabric, moderately weak consistence, abundant angular sedimentary gravel fragments, pH4.4. Gradual transition to:
<b>A2</b>	300-570mm	Yellowish brown (10YR5/4) fine sandy loam, bleached (10YR7/3) when dry, weak subangular blocky structure, peds 2-5mm, rough fabric, moderately weak consistence, abundant angular sedimentary gravel fragments;
<b>C</b>	570mm	Rock (sedimentary)

## CLASSIFICATION

<b>Factual Key (Northcote):</b>	Uc2.12 (major), Gn4.64, Dy3.41 (minor)
<b>Australian Soil Classification:</b>	Haplic, Lithic, Bleached-Leptic Tenosol; thick, very gravelly, clay loamy/loamy, moderate.
<b>Unified Soil Group:</b>	ML

## INTERPRETATION OF LABORATORY ANALYSIS

Horizon	pH (CaCl <sub>2</sub> )	%Gravel	E.C. (salts)	Nutrient Status	P	K	Al	Organic matter	Dispersibility
A11	4.3**	58.5	VL	VL	D	S	T	H	L
A12	4.4**	59.3	VL	L	D	S	T	M	L
A2	NA	55.36	NA	NA	NA	NA	NA	NA	L

VL : Very low    L : Low    M : Moderate    H : High    VH : Very High    D : Deficient    S : Satisfactory  
 T : Toxic    \* see appendix D for analytical results    \*\* : Strongly acidic    N.A. : Not Available

## SOIL PROFILE CHARACTERISTICS:

<b>Permeability:</b>	Very rapid (average 2465 mm/day, range 1166-3233 mm/day)
<b>Available Water Capacity:</b>	Very low (50 mmH <sub>2</sub> O)
<b>Linear Shrinkage (B horizon):</b>	Very low (3%)

## C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
<b>Agriculture</b>	C <sub>3</sub> T <sub>5</sub> S <sub>5</sub>	Steep slope, very shallow depth to hard rock, very low available water capacity, very high gravel/stone/boulder content, very susceptible to sheet erosion
<b>Effluent Disposal (septic tanks)</b>	5	Steep slope, very shallow depth to hard rock, very rapid permeability - risk of groundwater or stream pollution
<b>Farm Dams</b>	5	Steep slope, very low suitability of subsoil, very shallow depth to hard rock, very high permeability
<b>Secondary Roads</b>	5	Steep slope
<b>Rural Residential</b>	5	Effluent disposal farm dams, secondary roads, building foundations
<b>Small Farms</b>	5	Agriculture, effluent disposal, farm dams, secondary roads, building foundations