

Slopes

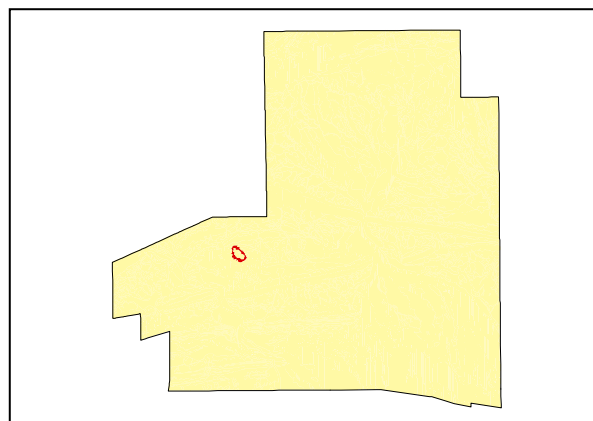
**LAND UNIT 3.09**

**Coarse Sand Lower Wash Slope**

**DESCRIPTION:** Coarse sand lower (1-5%) wash slope with Mulga over Bunched Kerosene Grass  
**SITE:** 093



**Distribution of land unit.**



Area = 0.34 km<sup>2</sup>, 0.10% of mapped area.

**LAND CAPABILITY:**

ATTRIBUTES	
SLOPE (%)	5
RELIEF (m)	5
SOIL DEPTH (m)	1.40
SURFACE CONDITION	Loose
DEPTH TO SUBSTRATE (m)	1.40
REACTION TREND (pH)	6.5 to 7.0
OUTCROP (%)	-
RUNOFF	Slow
PERMEABILITY	Highly permeable
DRAINAGE	Rapidly drained
SALINITY (µs/cm)	14.7 to 34.1

DEVELOPMENT RISKS	
EROSION	High
ROCK FALL	None
SHEET FLOODING	Slight
INUNDATION	Slight
SALINITY	None
ALKALINITY	None
ACIDITY	None

CAPABILITY CLASS					
Formed Roads	Shallow excavations	Septic Disposal	Horticulture	Building Foundations	Landscaping
Good	Good	Fair	Good	Good	Good

Slopes

**TECHNICAL DETAILS****LAND UNIT 3.09**

**DESCRIPTION:** Lower (1-5%) wash slope of coarse sand with Mulga over Bunched Kerosene Grass.

**GEOLOGY:** Tertiary and Quaternary silcrete and granitic sands eroded from Palaeozoic host rocks.

**LANDFORM:** The very gently inclined slopes of this landform generally have slopes to 5% with a relief to 10m above the surrounding lower lying areas. The low proportion of clays in the soil would enable high permeability and rapid drainage whilst the slightly inclined slope and sandy nature of the soil would allow slow runoff. This land unit is restricted to the colluvial slopes that have formed around land units 1.04 and 1.05 with most of the detrital granitic sand forming this land unit probably originating from land unit 1.05. Erosional gullies (1.0m wide x 0.4m deep) have formed where the surface has been disturbed. Rapid drainage, high permeability and slow runoff are characteristics of these slopes.

**SOIL:** Example from **Site 093**  
MGA. Coordinates: 7373309mN, 377314mE.

<b>CLASSIFICATION:</b> Siliceous Sands. Tenosol - TE, DS, DU, AR, H, K, K, W					
<b>SURFACE:</b> Loose coarse sand. Coarse 20-60mm gravel fragments are rare.					
<b>DEPTH (m)</b>	<b>HORIZON</b>	<b>TEXTURE</b>	<b>pH</b>	<b>SALINITY <math>\mu\text{s/cm}</math></b>	<b>OTHER DETAILS</b>
0.00 - 0.10	A11	Loamy sand (LS)	7.0	34.1	Dark reddish brown (5YR3/3). 40% 2-6mm fine gravelly angular granitic fragments. Apedal single grained and slightly incoherent. Non-effervescent.
0.10 - 0.30	A12	Loamy sand (LS)	6.5	14.7	Dark reddish brown (5YR3/2). 40% 2-6mm fine gravelly angular granitic fragments. Apedal single grained and slightly incoherent. Non-effervescent.
0.30 - 0.70	A13	Loamy sand (LS)	6.5	19.7	Dark reddish brown (5YR3/3). 40% 2-6mm fine gravelly angular granitic fragments. Apedal single grained and slightly incoherent. Non-effervescent.
0.70 - 1.10	B1	Loamy sand (LS)	6.5	23.8	Yellowish red (5YR4/6). 40% 2-6mm fine gravelly angular granitic fragments. Apedal single grained and slightly incoherent. Non-effervescent.
1.10 - 1.40	B2	Sand (S)	6.5	31.2	Yellowish red (5YR4/6). 40% 2-6mm fine gravelly angular granitic fragments. 10% 6-20mm medium angular gravelly granitic fragments. Apedal single grained and slightly incoherent. Non-effervescent.

**VEGETATION:** Site 093 (corresponds to soil site).

<b>UPPER STRATUM</b> - Isolated clump of trees	
Dominant species	
Other species	Ironwood.
<b>MID STRATUM</b> - Isolated shrubs	
Dominant species	
Other species	Mulga, Witchetty Bush, Dead Finish, Native Fuchsia.
<b>LOWER STRATUM</b> - Closed grassland	
Dominant species	Bunched Kerosene Grass
Other species	Eight Day Grass, Tall Copper Burr, Black Crumbweed, Woollyoat Grass, Woolly Yellow-heads, Paper Foxtail, Small Yellow Daisy, Nodding Thread-petal, Five-minute Grass, Bogan Flea, Buffel Grass, Woolly Cloak Fern, Desert Goosefoot, Oatgrass, Woollybutt Grass, Purple Lovegrass, Caustic Weed, Munyeroo, White Paper Daisy, Buck Bush, Bindieye, Wire-leaf Mistletoe, Mulga Fern.

(see Appendix 3 for botanical names)