

Slopes

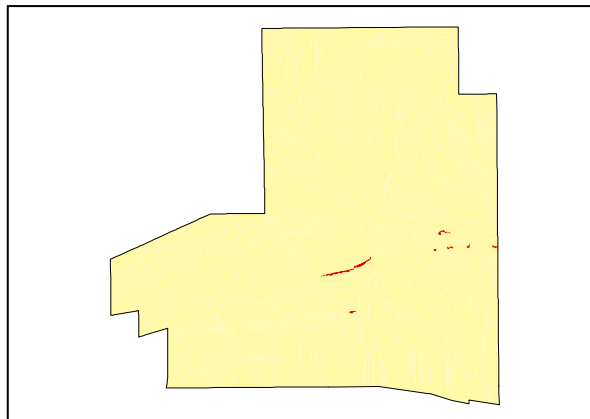
**LAND UNIT 3.01****Siliceous Upper Wash Slope**

**DESCRIPTION:** Upper Wash Slopes (10-30%) of siliceous rock material and Mulga over forbs and sparse grasses.

**SITE:** 138



**Distribution of land unit.**



Area = 0.54 km<sup>2</sup>, 0.16% of mapped area.

**LAND CAPABILITY:**

ATTRIBUTES	
<b>SLOPE (%)</b>	26
<b>RELIEF (m)</b>	25
<b>SOIL DEPTH (m)</b>	0.40
<b>SURFACE CONDITION</b>	Loose. Cryptogram in part.
<b>DEPTH TO SUBSTRATE (m)</b>	>0.40
<b>REACTION TREND (pH)</b>	7.0
<b>OUTCROP (%)</b>	-
<b>RUNOFF</b>	Very rapid
<b>PERMEABILITY</b>	Moderately permeable
<b>DRAINAGE</b>	Moderately well drained
<b>SALINITY (µs/cm)</b>	64.2

DEVELOPMENT RISKS	
<b>EROSION</b>	Severe
<b>ROCK FALL</b>	High
<b>SHEET FLOODING</b>	None
<b>INUNDATION</b>	None
<b>SALINITY</b>	None
<b>ALKALINITY</b>	None
<b>ACIDITY</b>	None

**CAPABILITY CLASS**

Formed Roads	Shallow excavations	Septic Disposal	Horticulture	Building Foundations	Landscaping
Very Poor	Very Poor	Very Poor	Poor	Very Poor	Fair

Slopes

**TECHNICAL DETAILS****LAND UNIT 3.01****DESCRIPTION:** Upper Wash Slopes (10-30%) of siliceous material with Mulga over sparse grasses.**GEOLOGY:** Quaternary colluvial float material derived from siliceous Proterozoic host rocks.**LANDFORM:** The moderately inclined slopes of this unit are formed by the continually erosion of the upper ridges. The evidence of a cryptogram surface indicates that this landform is relatively stable however, areas disturbed by mechanical or natural elements appear to develop rapidly into erosional channels. Natural drainage of this landform would follow a sheet flow pattern.**SOIL:** Example from **Site 138**  
MGA. Coordinates: 7372823mN, 384367mE

<b>CLASSIFICATION:</b> Lithosol. Rudosol – RU, CY, DU, AR, H, M, U					
<b>SURFACE:</b> Loose with some areas of cryptogram crust. 30% 20-60mm angular to subangular coarse gravelly siliceous fragments and 30% 60-200mm angular to subangular cobbly siliceous fragments. Coarse fragment concentrations prevented substrate material being exposed.					
DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY (µs/cm)	OTHER DETAILS
0.00 – 0.40m	A1	Sandy clay loam (SCL)	7.0	64.2	Dark red (2.5YR 3/6), Apedal with single grains and a sandy fabric, 25% 2-6mm angular fine gravelly quartz fragments, 15% 6-20mm subangular medium gravelly quartz fragments. Non effervescent.

**VEGETATION:** **Site 30** (Albrecht, D. & Pitts, B. 1999).

<b>UPPER STRATUM - Woodland</b>	
Dominant species	Mulga
Other species	
<b>MID STRATUM - Sparse shrubland</b>	
Dominant species	Mulga, Witchetty Bush, Native Fuchsia, Tall Saltbush.
Other species	Silver Cassia, Rock Fuchsia Bush.
<b>LOWER STRATUM - Isolated clump of tussock grasses</b>	
Dominant species	Buffel Grass, Large Green Pussytail.
Other species	Woolly Cloak Fern, Rat-tail Goosefoot, Green Peppergrass, Spinifex Everlasting, Silky Bluebush, Tall Copper Burr, Fire Sida, Zig-zag plant, Mulga Grass, Pale-leaf Mistletoe, Hill Everlasting, Ruby Saltbush, Oatgrass, Woollybutt Grass, Satiny Bluebush, Low Bluebush, Cotton Panic Grass, Rat Tails, Buck Bush, Blunt-leaf Cassia, Hillside Spinifex.

(see Appendix 3 for botanical names)