

Slopes

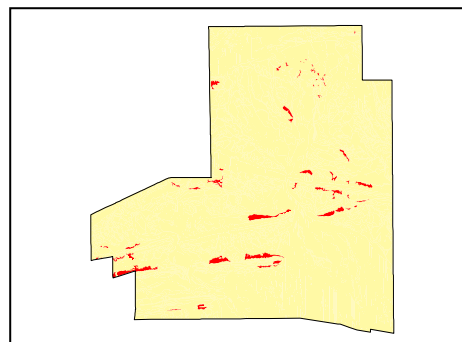
**LAND UNIT 3.04**

**Gravelly Lower Wash Slopes**

**DESCRIPTION:** Gravelly Lower Wash (1-5%) slopes with Ironwood and sparse Mulga over sparse annual and perennial grasses.

**SITES:** 091, 142

Distribution of land unit.



Area = 5.26 km<sup>2</sup>, 1.60% of mapped area.

**LAND CAPABILITY:**

ATTRIBUTES	
SLOPE (%)	5
RELIEF (m)	10
SOIL DEPTH (m)	0.40
SURFACE CONDITION	Loose
DEPTH TO SUBSTRATE (m)	0.40
REACTION TREND (pH)	6.5
OUTCROP (%)	-
RUNOFF	Rapid
PERMEABILITY	Moderately permeable
DRAINAGE	Moderately well drained
SALINITY (µs/cm)	46.2

DEVELOPMENT RISKS	
EROSION	Severe
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	Very Poor	Poor	Very Poor	Good	Poor

Slopes

**TECHNICAL DETAILS****LAND UNIT 3.04**

**DESCRIPTION:** Gravelly Lower Wash (1-5%) Slopes with Ironwood and sparse Mulga over sparse annual and perennial grasses.

**GEOLOGY:** Quaternary colluvial gravels. Generally eroded wash material from higher relief Mountains and Rises.

**LANDFORM:** The gently inclined slopes of this landform generally have slopes to 5% with a relief to 10m above the surrounding lower lying areas. Clay forms about 20-30% of the soil fraction that would allow rapid runoff with moderate drainage and permeability. Where the surface structure has been disturbed, erosional channelling has resulted. Numerous small (0.5m wide x 0.10m deep) incised channels drain portions of the slopes and terminate in small alluvial fans.

**SOIL:** Example from **Site 142**  
MGA. Coordinates: 7373191mN, 387551mE

**CLASSIFICATION:** Lithosol. Kandosol - KA, AA, AG, CD, B, H, L, M, U

**SURFACE:** 5% 60-200mm subrounded cobbles of quartzite and quartz, 15% 20-60mm subrounded coarse quartzitic gravel and 30% 20-60mm subrounded medium quartz gravel. Sampling depth terminated prior to substrate material due to the hard, well-consolidated nature of the coarse material. Substrate characteristics are inferred.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY ( $\mu\text{s}/\text{cm}$ )	OTHER DETAILS
0.00 - 0.10	A1	Sandy loam (SL)	6.0	20.7	Red (2.5YR4/6). 30% 20-60mm coarse gravelly subrounded tabular sandstone and quartz fragments. 30% 6-20mm fine gravelly subrounded quartz fragments. 5% 60-200mm subrounded tabular cobbles of sandstone and quartz.
0.10 - 0.40	B2	Sandy clay loam (SCL)	6.0	21.4	Red (2.5YR4/6). 25% 20-60mm coarse gravelly subrounded tabular sandstone and quartz fragments. 25% 6-20mm fine gravelly subrounded quartz fragments.

**VEGETATION:** **Site 227** (Albrecht, D. & Pitts, B. 1999).

<b>UPPER STRATUM</b> - Isolated clump of trees	
Dominant Species	
Other Species	Ironwood, Fork-leaved Corkwood.
<b>MID STRATUM</b> - Isolated clump of shrubs	
Dominant species	Witchetty Bush, Mulga.
Other species	Annual Saltbush, Native Fuchsia, Desert Cassia, Colony Wattle, Dead Finish, Needlewood, Silver Cassia.
<b>LOWER STRATUM</b> - Isolated clump of tussock grasses	
Dominant species	Buffel Grass.
Other species	Woollybutt Grass, Eight Day Grass, Small Yellow Daisy, Tall Copper Burr, Bindieye, Wire-leaf Mistletoe, Tar Vine & Yipa, Variable Daisy, Billybuttons, Yellow Billybuttons, Bogan Flea, Crested Goosefoot, Chenopodium truncatum, Australian Bindweed, Climbing Saltbush, <i>Heliotropium sp.</i> (one or both of <i>H.cunninghamii</i> & <i>H.tanythrix</i> ), Silky Cowvine, Veined Peppergrass, <i>Maireana scleroptera</i> , Munyeroo, Sand Sunray, Buck Bush, Plumbush, Grey Copper Burr, Nodding Thread-petal, Dwarf Swainsona, Purple Plumegrass, Dead Finish, Wild Turnip, Wild Melon, Turpentine Bush, Serrated Goodenia, Satiny Bluebush, <i>Sclerolaena costata</i> , <i>Senna artemisioides subsp. quadrifolia</i> , Sand Sida.

(see Appendix 3 for botanical names)