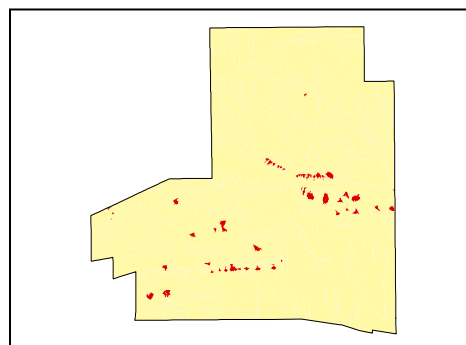


Slopes

LAND UNIT 3.16**Rocky Colluvial Fan****DESCRIPTION:** Unsorted rocky colluvial fans with Mulga.**SITES:** 061, Site 18 (*King D., 1996.*)

Distribution of land unit.

Area = 3.69 km², 1.12% of mapped area.**LAND CAPABILITY:**

ATTRIBUTES	
SLOPE (%)	6%
RELIEF (m)	15
SOIL DEPTH (m)	0.80
SURFACE CONDITION	Surface flake. Loose in parts.
DEPTH TO SUBSTRATE (m)	>0.80
REACTION TREND (pH)	7.0 to 6.5
OUTCROP (%)	1
RUNOFF	Rapid
PERMEABILITY	Highly permeable
DRAINAGE	Well drained
SALINITY (µs/cm)	56.5 to 76.0

DEVELOPMENT RISKS	
EROSION	Severe
ROCK FALL	None
SHEET FLOODING	Moderate
INUNDATION	None
SALINITY	None
ALKALINITY	None
ACIDITY	None

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

Slopes

TECHNICAL DETAILS**LAND UNIT 3.16****DESCRIPTION:** Rocky colluvial fan with low slope supporting Mulga.**GEOLOGY:** Quaternary colluvium derived from Late Proterozoic Hills and Ranges.**LANDFORM:** Very gently inclined slope with low relief emanating from a higher elevation erosional gully. Internal drainage channels vary in size from narrow (0.5m wide x 0.3m deep) stable systems to broad (2.0m wide x 0.8m deep) erosional channels that are generally formed in disturbed areas. Rapid runoff would occur due to the absence of large obstructions. The well-drained soils with high permeability would be a result of the sandier characteristics of the soil.**SOIL:** Example from **Site 18 (King D., 1996.)**
MGA. Coordinates: 7374137mN, 387025mE.**CLASSIFICATION:** Lithosol. Tenosol - TE, DS, CZ, AR, A, I, L, L, V**SURFACE:** 10% 60-200mm subangular cobbles of quartz and quartzite. 60% 20-60mm subangular coarse gravelly fragments of quartz and quartzite. All soil and rock material is transported and shows a very weak pedological organisation.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY ($\mu\text{s/cm}$)	OTHER DETAILS
0.00 - 0.01	A1	Sandy loam (SL)(L)	7.0	67.7	Dark reddish brown (5YR3/4). 20% 6-20mm subangular medium gravelly quartzite fragments and 10% 2-6mm subangular fine gravelly quartz fragments. Massive apedal structure and non-effervescent.
0.01 - 0.15	A3	Clayey sand (CS)(K)	7.0	56.5	Dark reddish brown (5YR3/4). 80% 6-20mm subangular medium gravelly fragments of quartzite and 80% 2-6mm subangular fine gravelly quartz fragments. Massive apedal structure and non-effervescent.
0.15 - 0.40	B1	Clayey sand (CS)(K)	6.5	68.2	Yellowish red (5YR4/6). 95% 6-20mm subangular medium gravelly fragments of quartzite and 100% 2-6mm subangular fine gravelly quartz fragments. Massive apedal structure and non-effervescent.
0.40 - 0.80	B2	Sandy loam (SL)(K)(L)	6.5	76.0	Yellowish red (5YR4/6). 95% 6-20mm subangular medium gravelly fragments of quartzite and 100% 2-6mm subangular fine gravelly quartz fragments. Massive apedal structure and non-effervescent.

VEGETATION: **Site 6 (King D., 1996.)**

UPPER STRATUM - Isolated trees	
Dominant species	Mulga.
Other species	
MID STRATUM - Isolated shrubs	
Dominant species	Witchetty Bush.
Other species	
LOWER STRATUM - Isolated clump of tussock grasses	
Dominant species	
Other species	Woollyoat grass, Eight day Grass, Munyeroo, Goathead burr, Five-minute grass.

(see Appendix 3 for botanical names)