

Slopes

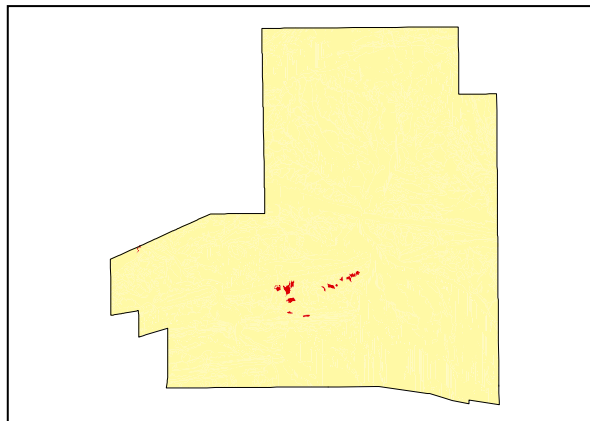
LAND UNIT 3.08**Rocky Silcrete Mid-Wash Slope**

DESCRIPTION: Rocky Silcrete Mid-Wash (5-10%) Slope with Witchetty Bush and Heath shrubs over sparse forbs.

SITE: 085



Distribution of land unit.



Area = 0.79 km², 0.24% of mapped area.

LAND CAPABILITY:

ATTRIBUTES	
SLOPE (%)	11
RELIEF (m)	20
SOIL DEPTH (m)	0.10
SURFACE CONDITION	Loose
DEPTH TO SUBSTRATE (m)	>0.10
REACTION TREND (pH)	6.0
OUTCROP (%)	-
RUNOFF	Rapid
PERMEABILITY	Slowly permeable
DRAINAGE	Moderately well drained
SALINITY (µs/cm)	26.8

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

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

Slopes

TECHNICAL DETAILS**LAND UNIT 3.08**

DESCRIPTION: Mid (5-10%) wash slopes with a high proportion of silcrete rock fragments with Witchetty Bush and Heath shrubs over sparse forbs.

GEOLOGY: Quaternary deposited detrital silcrete rock fragments originating from Proterozoic host rock.

LANDFORM: The gently inclined slopes of this landform generally have slopes to 10% with a relief to 20m above the surrounding lower lying areas. The clay content of 20-30% in the soil would enable rapid runoff with slow permeability and moderate drainage. Where the surface structure has been disturbed, erosional channelling has formed.

SOIL: Example from **Site 085**
MGA. Coordinates: 7372075mN, 383256mE

CLASSIFICATION: Lithosol. Rudosol - RU, CY, DU, AR, E, M, T

SURFACE: 60% 20-60mm subrounded coarse gravelly silcrete and quartz fragments. 20% 6-20mm subangular medium gravelly silcrete and quartz fragments.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY ($\mu\text{s/cm}$)	OTHER DETAILS
0.00 - 0.10	A3	Sandy clay loam (SCL)	6.0	26.8	Dark red (2.5YR3/6). 50% 20-60mm subangular coarse silcrete fragments. 20% 2-6 subangular fine gravelly quartz fragments. Incoherent structure due to the coarse fraction with substrate material assumed to be at depth.

VEGETATION: **Site 272** (Albrecht, D. & Pitts, B. 1999).

UPPER STRATUM - Usually absent	
Dominant species	
Other species	Mulga, Whitewood.
MID STRATUM - Isolated clump of shrubs	
Dominant species	
Other species	Native Fuchsia.
LOWER STRATUM - Sparse heath	
Dominant species	<i>Ptilotus parvifolius</i> var. <i>parvifolius</i> , Silky Copper Burr, Veined Peppergrass.
Other species	Succulent Copper Burr, <i>Senna artemisioides nothosubsp. coriacea</i> , Katoora, Five-minute Grass, Bladder saltbush, Buffel Grass, <i>Dipteracanthus australasicus subsp. australasicus</i> , Cannon-ball Saltbush, Ruby Saltbush, Woollyoat Grass, Curly Windmill Grass, Rock Fuchsia Bush, Eight Day Grass, Woolly Copper Burr, <i>Senna artemisioides subsp. alicia</i> , Red Spinach, Tropical Speedwell, Purple Plumegrass.

(see Appendix 3 for botanical names)