

Rises

## LAND UNIT 2.07

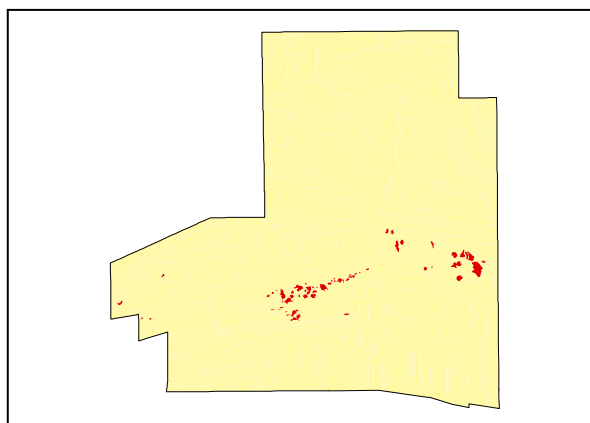
### Silcrete Rises

**DESCRIPTION:** Rugged Silcrete and silicified sandstone /siltstone ranges with Witchetty Bush and Mulga over annual and perennial grasses and forbs.

**SITES:** 073, 083



**Distribution of land unit.**



Area = 2.36 km<sup>2</sup>, 0.72% of mapped area.

**LAND CAPABILITY:**

ATTRIBUTES	
SLOPE (%)	46
RELIEF (m)	30
SOIL DEPTH (m)	0.30
SURFACE CONDITION	Loose
DEPTH TO SUBSTRATE (m)	0.30
REACTION TREND (pH)	5.5
OUTCROP (%)	90
RUNOFF	Very rapid
PERMEABILITY	Moderately permeable
DRAINAGE	Moderately permeable
SALINITY (µs/cm)	23.2

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

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

Rises

**TECHNICAL DETAILS****LAND UNIT 2.07**

**DESCRIPTION:** Highly silicified, rugged Sandstone / Siltstone fragments as float and as outcrop forming rises at the base of the Heavitree Quartzite Ranges.

**GEOLOGY:** Tertiary Silcrete.

**LANDFORM:** Steep Rises of Silcrete. There is continual, active creep of float material to the lower slopes. Widely spaced erosional stream channels occur that generally forms a convergent drainage pattern. Drainage is rapid with high permeability and rapid runoff occurring.

**SOIL:** Example **Site 083**  
MGA. Coords: 7372071.5mN, 383918.9mE  
Soil development is restricted to areas between larger rock fragments and has a high proportion of rock fragments throughout profile. About 90% silcrete substrate material is evident in the general area.

**CLASSIFICATION:** Desert Loams. Rudosols - RU, CY, CZ, AR, H, N, V

**SURFACE:** 15% 200-600mm subrounded quartz fragments and 30% 20-60mm subrounded quartz fragments.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY (µs/cm)	OTHER DETAILS
0.00-0.30	A1	Silty loam (ZL)	5.5	23.2	Dark reddish brown (2.5YR3/4). 30% 2-6mm fine gravelly subangular quartz and 20% 6-20mm subangular tabular quartz fragments. Apedal singular grain structure with a sandy fabric.

**VEGETATION:** **Site 26** (Albrecht, D. and Pitts, B. 1999).

<b>UPPER STRATUM</b> - Isolated clump of trees	
Dominant species	
Other species	Mulga, Slender Glasswort
<b>MID STRATUM</b> - Sparse heath	
Dominant species	Bladder saltbush,
Other species	Dwarf Lantern Flower, Spreading Saltbush, Ruby Saltbush, Rock Fuchsia Bush, Three-wing Bluebush, Satiny Bluebush, <i>Senna artemisioides nothosubsp. coriacea</i>
<b>LOWER STRATUM</b> - Sparse tussock grassland	
Dominant species	Buffel Grass, <i>Ptilotus parvifolius var. parvifolius</i> , Woolly Copper Burr,
Other species	Boggabi, Mueller's Peppergrass, <i>Maireana campanulata</i> , Large Green Pusstail, Buck Bush, Spiny Fanflower, Succulent Copper Burr, Grey Copper Burr, Slender Glasswort, Katoora

(See Appendix 3 for botanical names)