

Rises

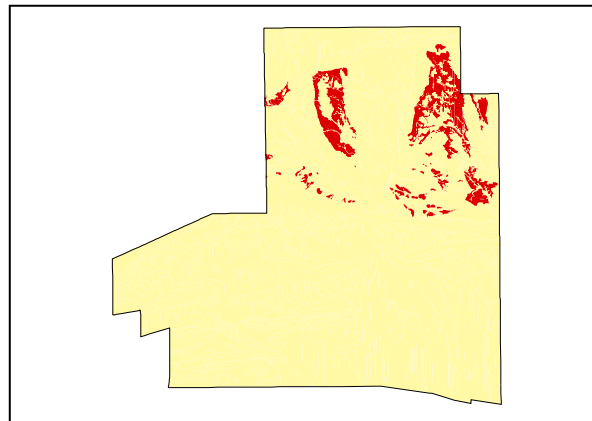
**LAND UNIT 2.03****Sadadeen Range Gneiss Rises**

**DESCRIPTION:** Low, rugged Sadadeen Range Gneiss rises with Witchetty Bush over sparse annual and perennial grasses.

**SITE:** 024



**Distribution of land unit.**



Area = 17.66 km<sup>2</sup>, 5.37% of mapped area.

**LAND CAPABILITY:**

ATTRIBUTES	
SLOPE (%)	15%
RELIEF (m)	25.0
SOIL DEPTH (m)	0.10
SURFACE CONDITION	Loose
DEPTH TO SUBSTRATE (m)	0.10
REACTION TREND (pH)	6.5
OUTCROP (%)	90%
RUNOFF	Rapid
PERMEABILITY	Moderate
DRAINAGE	Rapid
SALINITY (µs/cm)	34.7

DEVELOPMENT RISKS	
EROSION	Moderate
ROCK FALL	Slight
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	Very Poor	Poor	Good	Poor

Rises

**TECHNICAL DETAILS****LAND UNIT 2.03**

**DESCRIPTION:** Low Sadadeen Range Gneiss rises, outcrop and detrital float with Witchetty Bush over sparse annual and perennial grasses.

**GEOLOGY:** Early Proterozoic Sadadeen Range Gneiss. Part of the Hayes metamorphic Complex. Schistose, quartz rich metasediments.

**LANDFORM:** Rolling rises with slopes of about 15% and general relief of 25m above the surrounding lower lying areas and abutting the higher Sadadeen Range Gneiss Hills and Ranges, are typical of this land unit. Runoff is generally rapid, there is mod permeability and the unit is well drained due to open fractures and schistose textures of the substrate.

**SOIL:** Example from **Site 024**.  
MGA. Coords: 7384361mN, 389113mE  
Soil formation is restricted to areas between larger rock fragments or close to and within troughs of outcrop exposures.

**CLASSIFICATION:** Earthy Sands. Rudosols RU, CY, DU, AR, I, K, T

**SURFACE:** 90% of substrate exposed with 20% 60-200mm angular tabular quartz fragments and 50% 200-600mm angular tabular quartz fragments.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY (µs/cm)	OTHER DETAILS
0.00 – 0.10	A1	Clayey sand (CS)	6.5	34.7	Reddish brown (5YR3/4) 25% apedal with 2-6mm angular tabular quartz fragments and 25% 6-20mm angular tabular quartz fragments present in the coarse fraction of the soil profile. No effervescence.

**VEGETATION:** **Site 247** (Albrecht, D. and Pitts, B. 1999).

<b>UPPER STRATUM</b> - Isolated clump of trees	
Dominant species	
Other species	Mulga, Ironwood, Whitewood,
<b>MID STRATUM</b> - Sparse shrubland	
Dominant species	Witchetty Bush,
Other species	Dead Finish, Long-leaf Corkwood, Dense Cassia, Blunt-leaf Cassia,
<b>LOWER STRATUM</b> - Sparse forbland	
Dominant species	Silver Indigo,
Other species	Dwarf Lantern Flower, Wild Hops, Bunched Kerosene Grass, Flat-awned Threawn, Bogan Flea, Woolly Oak Fern, Mulga Fern, Perennial Sunray, Hill Everlasting, Cotton Panic Grass, Woollyoat Grass, Rock Fuchsia Bush, Native Fuchsia, Mountain Wanderrie, Caustic Weed, Tropical Speedwell, Woolly Glycine, <i>Heliotropium sp.</i> (one or both of <i>H.cunninghamii</i> & <i>H.tanythrix</i> ), Orange Spade Flower, Green Peppergrass, Low Bluebush, Bush Banana, Velvet Hibiscus, Large Green Pussytail, Silver Tails, Tall Saltbush, Buckbush, Tall Copper Burr, Hill Sida, Wild Tomato, Hill Thread-petal, Kangaroo Grass, Five-minute Grass.

(See Appendix 3 for botanical names)