

Rises

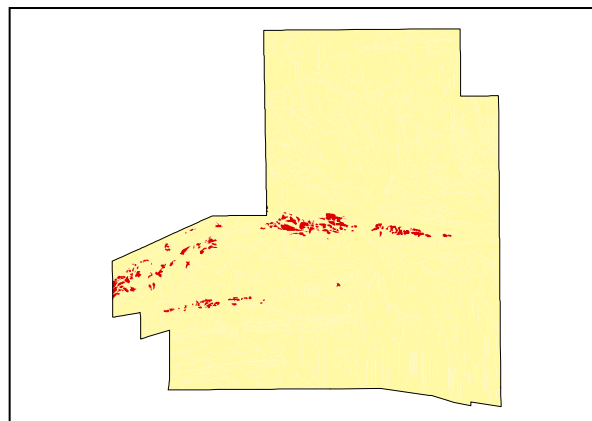
LAND UNIT 2.06

Gillen Member Dolomite Rises

DESCRIPTION: Rocky dolomite rises with Witchetty Bush over Limestone Grass and sparse Spinifex.
SITE: 066



Distribution of land unit.



Area = 5.17 km², 1.57% of mapped area.

LAND CAPABILITY:

ATTRIBUTES	
SLOPE (%)	10
RELIEF (m)	8 (max)
SOIL DEPTH (m)	0.50
SURFACE CONDITION	Loose
DEPTH TO SUBSTRATE (m)	0.50
REACTION TREND (pH)	9.0
OUTCROP (%)	85
RUNOFF	Rapid
PERMEABILITY	Highly permeable
DRAINAGE	Rapidly drained
SALINITY (µs/cm)	103.5

DEVELOPMENT RISKS	
EROSION	Severe
ROCK FALL	None
SHEET FLOODING	Slight
INUNDATION	Slight
SALINITY	Slight
ALKALINITY	Severe
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 2.06**

DESCRIPTION: Dolomite rises of uniform sized rocky calcrete fragments overlying dolomite substrate with Witchetty Bush over Limestone Grass and sparse Spinifex.

GEOLOGY: Late Proterozoic Gillen Member Dolomite. Rocks vary from uniformly textured dolomite to brecciated fragments of dolomite in a calcareous cement matrix.

LANDFORM: Low Hill crests and Rolling Rises of Dolomite. Slopes are mostly about 18% with a relief of about 15m to 20m above the surrounding landforms. This unit generally forms the foothills of the higher Gillen Member Dolomite Hills and Ranges.
Runoff and drainage are both rapid and permeability is moderate.

SOIL: Example from **Site 066**.
MGA. Coords: 7375969mN, 378210mE
Soil development is restricted to areas between larger rock fragments and to interstitial spaces.

CLASSIFICATION: Red Calcareous Soils. Calcarosols CA, CV, DZ, IC, A, G, M, T

SURFACE: 20% 60-200mm subangular calcrete fragments.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY ($\mu\text{s/cm}$)	OTHER DETAILS
0.00 - 0.05	A1k	Clay loam (CL)	9.0	103.5	Dark red (2.5YR3/6). 10% 2-6mm subangular calcareous fragments. 2% 60-200mm subangular calcareous fragments. Moderate effervescence.

VEGETATION: **Site 67** (Albrecht, D. and Pitts, B. 1999).

UPPER STRATUM - Isolated tress	
Dominant species	
Other species	Mulga, Dead Finish, Whitewood, Bloodwood, Long-leaf Corkwood, Supplejack.
MID STRATUM - Sparse shrubland	
Dominant species	Witchetty Bush, Rock Fuchsia Bush, <i>Senna artemisioides subsp. alicia</i> ,
Other species	<i>Acacia bivenosa</i> , Ruby Saltbush, Dolomite Fuchsia Bush, Native Fuchsia, Native Fuchsia, Silver Cassia, Blunt-leaf Cassia,
LOWER STRATUM - Sparse tussock grassland	
Dominant species	Limestone Grass, Buffel Grass,
Other species	Dwarf Lantern Flower, Mallee Saltbush, Buffel Grass, Dwarf Lantern Flower, Spreading Saltbush, Dolomite Daisy, Desert Goosefoot, Silver Indigo, Green Peppergrass, Veined Peppergrass, Veined Peppergrass, Sand Spurge, Large Green Pusssytail, Silver Tails, Tall Saltbush, Buck Bush, Tall Copper Burr, Western Copper Burr, Silver Sida, Downy Thread-petal &/or Narrow Thread-petal, Bindieye, Purple Plumegrass,

(See Appendix 3 for botanical names)