Rises

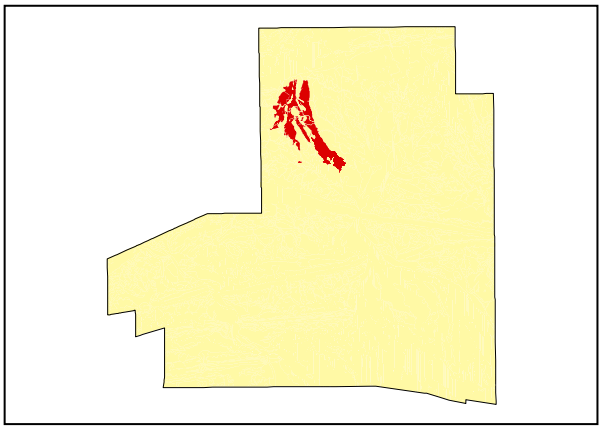
LAND UNIT 2.09

Teppa Hill Metamorphic Rises

DESCRIPTION: Schistose Teppa Hill Metamorphic rises with occasional Witchetty Bush over Sclerolaena and Buffel Grass.

SITES: **040,** 043

Distribution of land unit.



Area = 5.75 km^2, 1.75% of mapped area.

LAND CAPABILITY:

ATTRIBUTES	
SLOPE (%)	30
RELIEF (m)	40
SOIL DEPTH (m)	0.05
SURFACE CONDITION	Firm. Occasional cryptogram.
DEPTH TO SUBSTRATE (m)	0.05
REACTION TREND (pH)	6.5
OUTCROP (%)	90
RUNOFF	Rapid
PERMEABILITY	Moderately permeable
DRAINAGE	Moderately well drained
SALINITY (µs/cm)	36.8

DEVELOPMENT RISKS	
EROSION	Severe
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**
Poor	Very Poor	Very Poor	Very Poor	Good	Very Poor

Rises

TECHNICAL DETAILS — LAND UNIT 2.09

DESCRIPTION: Rises of schistose Teppa Hill Metamorphics.

GEOLOGY: Part of the Early Proterozoic? Hayes Metamorphic Complex. Fine to coarse muscovite and biotite with quartz in a schistose texture.

LANDFORM: Rolling Low Hills with a relief of 40m and slopes to 30%. Soil cover is shallow on the eroded rises and a defined stream channel development is absent with the rapid runoff being dispersed by broad areas of substrate and loose surface material. Permeability and drainage of the soil is restricted by a 10% -20% clay content.

SOIL: Example from **Site 040**
MGA. Coords: 7379934mN, 3805167mE.

CLASSIFICATION: Lithosol. Rudosol - RU, CY, DU, AR, H, L, T

SURFACE: 2% >2m large angular tabular schist boulders. 20% 60-200mm angular platy cobbles of schist and 30% 20-60mm coarse gravelly angular platy schist fragments. 85% of the schist substrate is exposed at the sample site.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY µs/cm)	OTHER DETAILS
0.00 - 0.05	A1	Sandy Loam (SL)	6.5	36.8	Dark brown (7.5YR3/4). 10% 6-20mm medium gravelly angular tabular schist fragments and 30% 2-6mm fine gravelly angular platy schist fragments. Apedal single grain soil with a fine sandy fabric.

VEGETATION: **Site 266** (Albrecht, D. and Pitts, B. 1999).

UPPER STRATUM - Usually absent	
Dominant species	
Other species	Bloodwood,
MID STRATUM - Isolated clump of shrubs	
Dominant species	
Other species	Acacia Bush, Ironwood Mistletoe, Native Fuchsia, Holly Grevillea, Wild Orange,
LOWER STRATUM - Isolated tussock grasses	
Dominant species	Desert Chinese Lantern, Mimosa Bush, Buffel Grass, Pale Spike-rush, Slender Glasswort
Other species	Desert Sneezeweed, Native Thornapple, *Euphorbia centralis*, Caustic Weed, Smooth Heliotrope, *Kohautia australiensis*, Prickly Lettuce, Cottonbush, Apple Bush, Sand Sunray, Peach-leaved Poison Bush, Dwarf Lantern Flower, Curly Pod Wattle, Needle-leaved Threeawn, Rock Threeawn, Small Yellow Button, Colocynth, Rat-tail Goosefoot, Narrow-leaf Neverfail, *Heliotropium supinum*, Low Bluebush, *Ptilotus decipiens,* Silver Tails, Crimson Foxtail, *Swainsona burkei*, Knottybutt Neverfail, Knottybutt Paspalidium, Large Green Pussytail, Sand Sunray, Grey Germander, Blue Parsnip.

(See Appendix 3 for botanical names)