

LAND UNIT 1.09

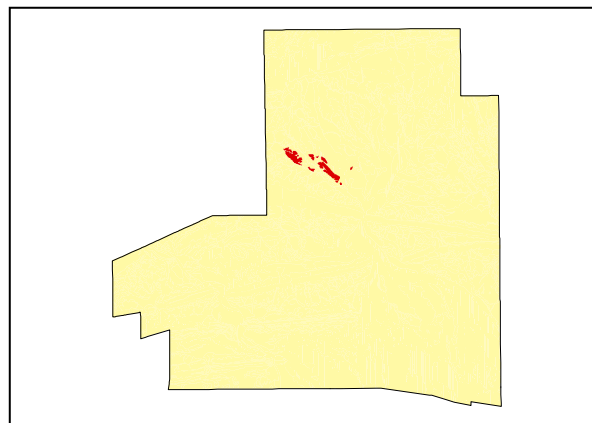
Teppa Hill Metamorphic Hills and Ranges

DESCRIPTION: Slopes and Hills of the Teppa Hill Metamorphics with Witchetty and Fuchsia Bush over annual grasses.

SITE: 060 (Grant, R. and Mahney, T. 1992)



Distribution of land unit



Area = 1.12 km², 0.34% of mapped area.

LAND CAPABILITY:

ATTRIBUTES	
SLOPE (%)	15
RELIEF (m)	80
SOIL DEPTH (m)	0.50
SURFACE CONDITION	Loose
DEPTH to SUBSTRATE (m)	0.35
REACTION TREND (pH)	7.0
OUTCROP (%)	10
RUNOFF	Rapid
PERMEABILITY	Moderately permeable
DRAINAGE	Moderately well drained
SALINITY (µs/cm)	25.8 - 36.5

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

* Hazards associated with rockfall may increase if development is undertaken on the lower slope of this land unit.

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

Mountains, Hills and Ranges

TECHNICAL DETAILS**LAND UNIT 1.09**

DESCRIPTION: Hill slopes and crests of the Teppa Hill Metamorphic unit showing well laminated outcrop.

GEOLOGY: The Teppa Hill Metamorphic unit is part of the Early Proterozoic Hayes Metamorphic Complex. The metasediments that make up this unit are fine to coarse grained with a gneissic and schistose texture.

LANDFORM: The Rolling Low Hills of the land unit have a relief of about 80m with slopes of 15%. Moderate permeability would be due to the firm soil surface with thin crusting. Rapid runoff and moderately well draining characteristics are due to the slope and well-laminated nature of the formation.

SOIL: Example from Site **060**. (Grant, R. and Mahney, T. 1992)
MGA. Coords: 7378053.00mN, 382404.03mE
The survey site was taken on the lower slopes of the unit because of culturally sensitive areas on the upper part of the range. The soil profile is thus deeper than would be expected at the crest of the range.

CLASSIFICATION: Lithosol. Kandosol - KA, AB, AG, CD, A, H, L, M, V

SURFACE: 40% 8mm subangular quartz gravel fragments and 20% 30mm subangular quartz and gneiss gravel fragments. 10% of the very weak and slightly weathered gneiss and schist substrate is exposed.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY ($\mu\text{s/cm}$)	OTHER DETAILS
0.00 - 0.02	A1	Sandy loam (SL)	7.0	35.7	Dark brown (7.5YR3/4). 20% 8mm subangular quartz and gneiss gravel fragments.
0.02 - 0.10	A2	Sandy loam (SL)	7.0	36.5	Strong brown (7.5YR4/6). 10% 8mm subangular quartz gravel fragments.
0.10 - 0.25	B21	Sandy clay loam (SCL)	7.0	34.6	Brown (7.5YR4/4). 40% 6mm subrounded gneiss gravel fragments.
0.25 - 0.35	B22	Sandy clay loam (SCL)	7.0	25.8	Brown (7.5YR4/4). 60% 10mm subrounded gneiss gravel fragments.
0.35 - 0.50	C				

VEGETATION: Source: Veg. **Site 46** (Grant, R. and Mahney, T. 1992).

UPPER STRATUM - Isolated clump of trees	
Dominant species	Bloodwood.
Other species	Whitewood, Witchetty Bush, Long-leaf Corkwood.
MID STRATUM - Open shrubland	
Dominant species	Witchetty Bush.
Other species	<i>Rhagodia eremaea</i> , Silver Cassia, Long-leaf Hakea, <i>Indigofera leucotricha</i> , Dead Finish.
LOWER STRATUM - Open tussock grassland	
Dominant species	Buffel Grass, Eight Day Grass.
Other species	Buck Bush, Yellow Billy Buttons, Rosy Dock, Green Peppergrass, Ruby, Saltbush, Tall Copper Burr, Rough Treeawn, Woolly Cloak Fern, Mountain Wanderrrie, Wild Tomato, SilverTails, Common Everlasting.

(See Appendix 3 for botanical names)