

Slopes

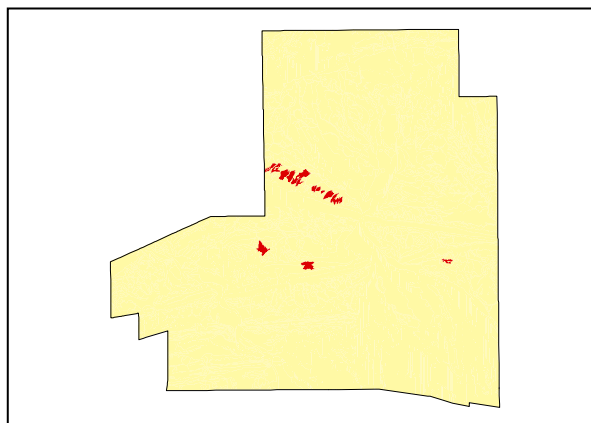
LAND UNIT 3.17**Sandy / Gravel Lower Wash Slopes**

DESCRIPTION: Sandy / Gravel lower (1-5%) colluvial wash slope with Mulga, Ironwood and Witchetty Bush over sparse annual and perennial grasses.

SITES: 048, 049, 061 = (Site 41, Grant, R. and Mahney, T. 1992)



Distribution of land unit.



Area = 2.16 km², 0.66% of mapped area.

LAND CAPABILITY:

ATTRIBUTES	
SLOPE (%)	2.5
RELIEF (m)	10
SOIL DEPTH (m)	2.20
SURFACE CONDITION	Self-mulching
DEPTH TO SUBSTRATE (m)	>2.20
REACTION TREND (pH)	6.5 to 8.5
OUTCROP (%)	-
RUNOFF	Slow
PERMEABILITY	Moderately permeable
DRAINAGE	Moderately well drained
SALINITY (µs/cm)	18.8 to 27.2

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

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

Slopes

TECHNICAL DETAILS**LAND UNIT 3.17**

DESCRIPTION: Sandy / Gravel lower (1-5%) colluvial wash slope with Mulga, Ironwood and Witchetty Bush over sparse annual and perennial grasses.

GEOLOGY: Tertiary and Quaternary quartzite, quartz and soil eroded from Palaeozoic host rocks.

LANDFORM: The very gently inclined slopes of this landform generally have slopes to 2.5% with a maximum relief to 10m above the surrounding lower lying areas. Moderate permeability and drainage with slow runoff are characteristics of this landform. Erosional gullies form readily where the surface structure has been disturbed.

SOIL: Example from **Site 41**, (*Grant, R. and Mahney, T. 1992*)- close to Photo site **061**. MGA. Coordinates (Site 061): 7380469mN, 391607mE.

CLASSIFICATION: Red Earth. Kandosol - 4 KA, AA, AG, CD, B, F, K, M, X					
SURFACE: 10% 2-6mm fine gravelly angular tabular quartz and 20% 6-20mm medium gravelly angular quartz fragments.					
DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY (µs/cm)	OTHER DETAILS
0.00 - 0.02	A11	Loamy sand (LS)	6.5	20.0	Dark yellowish brown (10YR4/4). 15% 2-6mm angular tabular fine gravelly quartz and 7% 6-25mm angular medium gravelly quartz fragments. Massive apedal structure, moist with an earthy fabric.
0.02 - 0.10	A12	Sandy loam (SL)	7.0	18.8	Brown (7.5YR4/4). 15% 2-6mm subangular fine gravelly quartz and 12% 6-25mm subangular medium gravelly quartz fragments. Massive apedal structure, moist with an earthy fabric.
0.10 - 0.25	A3	Sandy loam (H)(SL)	7.0	19.0	Brown (7.5YR4/4). 30% 2-6mm subrounded fine gravelly quartz and 5% 6-25mm subrounded medium gravelly quartz fragments. Massive apedal structure, moist with an earthy fabric.
0.25 - 0.75	B1	Sandy clay loam (SCL)(L)(K)	7.0	28.2	Red (2.5YR4/6). 40% 2-6mm subangular fine gravelly quartz and 10% 6-25mm subangular medium gravelly quartz fragments. Massive apedal structure, dry with an earthy fabric.
0.75 - 1.10	B21	Sandy clay loam (SCL)(K)	7.5	22.1	Dark red (2.5YR3/6). 40% 2-6mm subangular fine gravelly quartz and 10% 6-25mm subangular medium gravelly quartz fragments. Massive apedal structure, dry with an earthy fabric.
1.10 - 1.40	B22	Clay loam (CL)(K)	7.5	26.8	Red (2.5YR4/6). 50% 2-6mm subangular fine gravelly quartz and 10% 6-25mm subangular medium gravelly quartz fragments. Massive apedal structure, dry with an earthy fabric.
1.40 - 1.70	D1	Light clay (LC)(K)	8.0	27.1	Reddish brown (2.5YR4/4). 40% 2-6mm subangular fine gravelly quartz and 4% 6-25mm subangular medium gravelly quartz fragments. Massive apedal structure, dry with an earthy fabric.
1.70 - 2.20	D2	Sandy clay loam (SCL)(L)(K)	8.5	27.2	Yellowish red (5YR4/6). 40% 2-6mm subangular fine gravelly quartz and 4% 6-25mm subangular medium gravelly quartz fragments. Massive apedal structure, dry with an earthy fabric.

VEGETATION: **Site V25** (*Grant, R. and Mahney, T. 1992*).

UPPER STRATUM - Isolated clump of trees	
Dominant species	Mulga
Other species	Witchetty Bush, Whitewood, Bloodwood, Long-leaf Corkwood.
MID STRATUM - Isolated clump of shrubs	
Dominant species	Mulga
Other species	Ironwood, Witchetty Bush, Colony Wattle, Dead Finish, Whitewood, Bloodwood, Long-leaf Corkwood, Tall Saltbush, Dense Cassia, Desert Cassia.
LOWER STRATUM - Open grassland	
Dominant species	Buffel Grass.
Other species	Eight Day Grass, Green Peppergrass, Crimson Foxtail, Buck Bush, Tall Copper Burr, <i>Sclerolaena costata</i> , Nodding Thread-petal, Five-minute Grass, Whitewood, Tar Vine & Yipa, Cotton Panic Grass, Woollyoat Grass, Bush Banana, Munyeroo, Crimson Foxtail, Bindieye, Five-minute Grass.

(see Appendix 3 for botanical names)