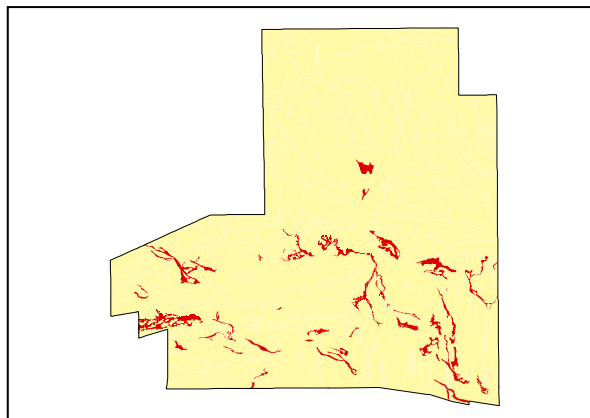


Drainage Features

LAND UNIT 5.09**Relic Drainage Depressions****DESCRIPTION:** Remnant drainage channels with Coolabah over Buffel Grass.**SITES:** 075, 079**Distribution of land unit.**Area = 11.28 km², 3.43% of mapped area.**LAND CAPABILITY:**

ATTRIBUTES	
SLOPE (%)	1
RELIEF (m)	1
SOIL DEPTH (m)	>1.80
SURFACE CONDITION	Firm
DEPTH TO SUBSTRATE (m)	>1.80
REACTION TREND (pH)	7.0 to 8.0
OUTCROP (%)	-
RUNOFF	Slow
PERMEABILITY	Moderately permeable
DRAINAGE	Poorly drained
SALINITY (µs/cm)	27.2 to 130.8

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

CAPABILITY CLASS

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

Drainage Features

TECHNICAL DETAILS**LAND UNIT 5.09**

DESCRIPTION: Relic drainage depressions over Buffel Grass.

GEOLOGY: An accumulation of Quaternary, most likely Holocene, sediments eroded and transported from the high relief Proterozoic and Palaeozoic hills and ranges form this land unit.

LANDFORM: This land unit is within a broader flood plain or a broad drainage system. The depressions form part of the flood out system of drainage channels that flow only during infrequent larger flooding episodes. They are usually isolated from the regular flow depressions and may represent prior channels. They form subtle drainage depressions that retain a good vegetation cover due to the underlying palaeochannel drainage system.

SOIL: Example from **Site 079**
MGA. Coordinates: 7372810mN, 388883mE.

CLASSIFICATION: Desert loam. Kandosol - KA, AA, AH, CD, A, E, M, M, X

SURFACE: Firm, coherent mass of individual particles or aggregates with occasional loose aggregates that separate when touched. Some areas show cryptogram coating.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY $\mu\text{s/cm}$	OTHER DETAILS
0.00 - 0.10	A11	Clay loam sandy (CLS)	7.0	27.2	Dark reddish brown (2.5YR3/4). Massive apedal structure with a dry earthy fabric and weak strength. Non-effervescent.
0.10 - 0.30	A12	Clay loam sandy (CLS)	7.0	40.3	Dark reddish brown (2.5YR2.5/4). Massive apedal structure with a dry earthy fabric and firm strength. Non-effervescent.
0.30 - 0.70	A2	Clay loam sandy (CLS)	7.0	44.9	Dark yellowish brown (10YR3/6). Massive apedal structure with a dry earthy fabric and firm strength. Non-effervescent.
0.70 - 1.10	B21	Sandy loam (SL)	7.0	43.9	Red (2.5YR4/8). Massive apedal structure with a dry earthy fabric and firm strength. Non-effervescent.
1.10 - 1.40	B22	Sandy clay loam (SCL)	7.5	48.4	Red (2.5YR4/6). 2% 2-6mm fine gravelly subangular quartz fragments. Massive apedal structure with firm strength. Non-effervescent.
1.40 - 1.80	B23	Clay loam sandy (CLS)	8.0	130.8	Red (2.5YR4/6). 5% 2-6mm fine gravelly subangular quartz fragments. Massive apedal structure with firm strength. Non-effervescent.

VEGETATION: **Site 86** (Albrecht, D. and Pitts, B. 1999).

UPPER STRATUM - Open Woodland	
Dominant species	Coolabah
Other species	Ironwood
MID STRATUM - Isolated clump of shrubs	
Dominant species	
Other species	Annual Saltbush, Acacia Bush, Weeping Emu Bush, Ruby Saltbush, Wild Orange, Colony Wattle, Desert Cassia.
LOWER STRATUM - Grassland	
Dominant species	Swayback Nardoo, Silky Browntop
Other species	Annual Verbine, Small Yellow Daisy, Desert Sneezeweed, Mueller's Peppergrass, Grey Germander, Oat Kangaroo Grass, Buffel Grass, Climbing Saltbush, Creek Windmill Grass, Malvastrum, Grey Wrinklewort, Australian Bindweed, Birdsville Indigo, Prickly Lettuce, Smooth Mustard, Lesser Joyweed, Northern Bluebush, Curly Windmill Grass, Small-flower Lovegrass, Narrow-leaf Neverfail, Hill Sticky Hopbush, Spinifex Everlasting, Native Millet, Plumbush, Spreading Saltbush, Lignum, Buckbush, Umbrella Bush, Caper Bush, Crown Fissure Weed, Bush Banana, Apple Bush, Silver Sida, Goosefoot Potato Bush.

(See Appendix 3 for botanical names)