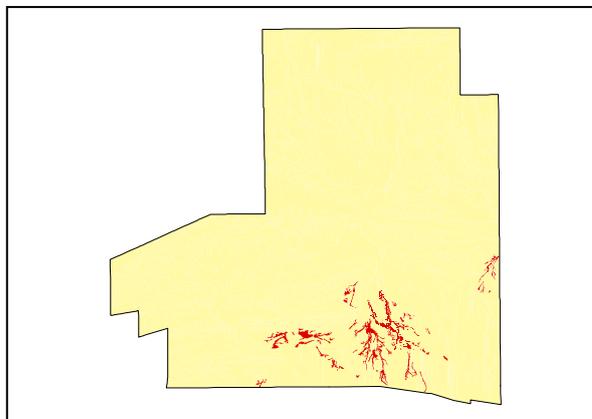


Drainage Features

LAND UNIT 5.14**Prior Floodout Distributary Channels****DESCRIPTION:** Prior floodout distributary channels with Ironwood, Corkwood over Buffel Grass.**SITES:** 074, 104, 105, 114**Distribution of land unit.**Area = 4.40 km², 1.34% of mapped area.**LAND CAPABILITY:**

ATTRIBUTES	
SLOPE (%)	1
RELIEF (m)	2
SOIL DEPTH (m)	>2.00
SURFACE CONDITION	Firm. Surface crust in part.
DEPTH TO SUBSTRATE (m)	>2.00
REACTION TREND (pH)	7.0
OUTCROP (%)	-
RUNOFF	Moderately rapid
PERMEABILITY	Slowly permeable
DRAINAGE	Imperfectly drained
SALINITY (µs/cm)	11.5 to 25.6

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

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

Drainage Features

TECHNICAL DETAILS**LAND UNIT 5.14**

DESCRIPTION: Prior floodout distributary channels with Ironwood, Corkwood 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. A weak flow following these channels has been observed during recent flooding (2000 and 2001) but the main channelling system would most likely have been formed during major flooding episodes not experienced during modern settlement.
This land unit forms a subtle dendritic drainage pattern that is barely recognisable on the ground. Channels can be up to 300m wide, about 0.5m deep and are about 0.5m above the broader enclosing flood plain.

SOIL: Example from **Site 114**
MGA. Coordinates: 7368821mN, 381661mE.

CLASSIFICATION: Desert Loam. Tenosol - TE, DS, AO, AR, DE, K, K, X					
SURFACE: Firm, coherent mass of individual particles or aggregates with occasional loose aggregates that separate when touched. Some areas show surface flakes.					
DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY (µs/cm)	OTHER DETAILS
0.00 - 0.10	A1	Clayey sand (CS)(F)	7.0	13.2	Red (2.5YR4/6). Sandy fabric with a single grain apedal structure. Non effervescent.
0.10 - 0.30	A3	Clayey sand (CS)(F)	7.0	11.5	Red (2.5YR4/6). Sandy fabric with a single grain apedal structure. Non effervescent.
0.30 - 0.50	B2	Loamy sand (LS)(K)	7.0	25.6	Red (2.5YR4/6). Coarse sandy fabric with a single grain apedal structure. Non effervescent.
0.50 - 0.80	B2	Loamy sand (LS)(K)	7.0	19.7	Red (2.5YR4/6). Coarse sandy fabric with a single grain apedal structure. Non effervescent.
0.80 - 1.10	B3	Clayey sand (CS)(F)	7.0	21.2	Yellowish red (5YR4/6). Fine sandy fabric with a single grain apedal structure. Non effervescent. 2% 2-6mm fine gravelly angular quartz fragments.
1.10 - 1.60	B3	Clayey sand (CS)(F)	7.0	23.0	Yellowish red (5YR4/6). Fine sandy fabric with a single grain apedal structure. Non effervescent. 10% 2-6mm fine gravelly sub angular quartz fragments.
1.60 - 2.00	B3	Clayey sand (CS)(F)	7.0	19.7	Yellowish red (5YR4/6). Fine sandy fabric with a single grain apedal structure. Non effervescent. 10% 2-6mm fine gravelly sub angular quartz fragments.

VEGETATION: **Site 213** (Albrecht, D. and Pitts, B. 1999).
In the absence of exotic grasses, Erect and Bunched Kerosene Grasses dominate this land unit.

UPPER STRATUM - Isolated clump of trees	
Dominant species	Ironwood
Other species	
MID STRATUM - Isolated shrubs	
Dominant species	Witchetty Bush
Other species	Climbing Saltbush, Fork-leaved Corkwood, Wire-leaf Mistletoe, Desert Cassia.
LOWER STRATUM - Grassland	
Dominant species	Buffel Grass
Other species	Flannel Cudweed, Bogan Flea, Munyeroo, Five-minute Grass, Mueller's Peppergrass, Tall Copper Burr, <i>Sclerolaena costata</i> , Bindieye, Bunched Kerosene Grass, one or both of Tar Vine & Yipa, Native Oat-grass, Woolly Yellow-heads, <i>Maireana scleroptera</i> , Crimson Foxtail, Buckbush, Erect Kerosene Grass, Eight Day Grass, Birdsville Indigo, <i>Chenopodium truncatum</i> , Fairy bells, Colony Wattle, Wild Hops, Wild Turnip, Small Yellow Button, Cattle Bush, Silver Sida, Purple Plumegrass, Hogweed.

(See Appendix 3 for botanical names)