

Plains

LAND UNIT 4.04

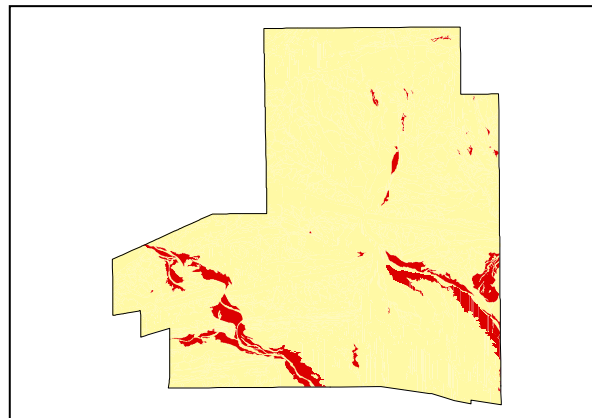
Floodout

DESCRIPTION: Floodout with Coolabah over Buffel Grass.

SITES: 003, 071, **078**



Distribution of land unit.



Area = 18.48 km², 5.62% of mapped area.

LAND CAPABILITY:

ATTRIBUTES	
SLOPE (%)	1.0
RELIEF (m)	2
SOIL DEPTH (m)	>1.40
SURFACE CONDITION	Loose. Occasional surface crust.
DEPTH TO SUBSTRATE (m)	>1.40
REACTION TREND (pH)	7.0
OUTCROP (%)	-
RUNOFF	Slow
PERMEABILITY	Moderately permeable
DRAINAGE	Moderately well drained
SALINITY (µs/cm)	46.1 to 157.6

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

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

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TECHNICAL DETAILS**LAND UNIT 4.04**

DESCRIPTION: Floodout areas adjacent to streams and rivers with Coolabah over Buffel Grass.

GEOLOGY: Quaternary, Holocene sediment accumulation. Layering results from periodic flooding events.

LANDFORM: The flood-out landform is inclined radially away from a point on the margin or at the end of a stream channel, aggraded by over-bank stream flow, or by channelling stream flow associated with channels developed within the over-bank flow (McDonald *et al.* 1990). Erosional channels form rapidly after rainfall events when surface structure is disturbed.

SOIL: Example from **Site 078**
MGA. Coordinates: 7371712mN, 389622mE

CLASSIFICATION: Desert loam. Kandosol - KA, AA, AH, CD, C, E, M, M, W

SURFACE: Soil is generally loose at the surface due to the majority finer clay particles being eroded by sheet wash or wind. On some land units there are areas where surface crusting and surface flaking has formed while in other areas cryptogam crusting has been observed. Generally the surface is subjected to sheet wash during flooding events.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY (µs/cm)	OTHER DETAILS
0.00 - 0.10	A11	Clayey loam (CL)	7.0	46.1	Dark reddish brown (5YR3/3). Strong coherence with weak pedality and an earthy fabric.
0.10 - 0.30	A12	Clayey loam (CL)	7.0	157.6	Dark reddish brown (5YR3/3). Strong coherence with weak pedality and an earthy fabric.
0.30 - 0.70	A3	Clayey loam (CL)	7.0	49.4	Dark brown (7.5YR3/2). Strong coherence with weak pedality and an earthy fabric.
0.70 - 1.10	B21	Sandy clay loam (SCL)	7.0	46.9	Reddish brown (5YR4/4). 2% 2-6mm fine gravelly subangular quartz fragments. Strong coherence with weak pedality and an earthy fabric.
1.10 - 1.40	B22	Sandy Clay loam (SCL)	7.0	46.3	Dark reddish brown (2.5YR3/4). 2% 2-6mm fine gravelly subangular quartz fragments. Strong coherence with weak pedality and an earthy fabric.

VEGETATION: **Site 191** (Albrecht, D. & Pitts, B. 1999).

UPPER STRATUM - Isolated trees	
Dominant Species	Coolabah Gum, Ironwood.
Other Species	Fork-leaved Corkwood, Ironwood Mistletoe,
MID STRATUM - Isolated clump of shrubs	
Dominant species	
Other species	Witchetty Bush, Acacia Bush, Variable Daisy, Climbing Saltbush, Ruby Saltbush
LOWER STRATUM - Grassland	
Dominant species	Buffel Grass
Other species	Bogan Flea, Oatgrass, Mueller's Peppergrass, <i>Maireana scleroptera</i> , Munyeroo, Buck Bush, Tall Copper Burr, Bindieye, Caustic Weed (A), Dwarf Swainsona, <i>Chenopodium truncatum</i> , Veined Peppergrass, Annual Saltbush, Yellow Billybuttons, Small Yellow Daisy, White Paper Daisy, Desert Cassia, Purple Plumegrass, Crested Goosefoot, Mallee Lovegrass, Bunched Kerosene Grass, Five-minute Grass, Creek Windmill Grass, Nodding Thread-petal, Spreading Saltbush, Perennial Sunray, Couch Grass,

(See appendix 3 for botanical names)