

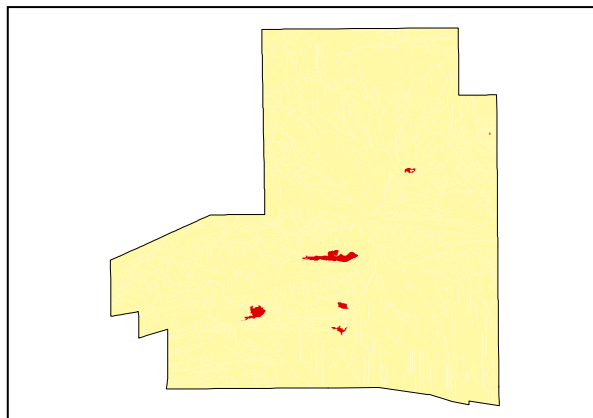
Drainage Features

LAND UNIT 5.04
Seasonal Swamps

DESCRIPTION: Seasonal Swamps - presently and recently active with Swamp Canegrass.
SITE: 135



Distribution of land unit.



Area = 1.92 km², 0.58% of mapped area.

LAND CAPABILITY:

ATTRIBUTES	
SLOPE (%)	1
RELIEF (m)	1
SOIL DEPTH (m)	>1.70
SURFACE CONDITION	Cryptogram / Surface flake.
DEPTH TO SUBSTRATE (m)	>1.70
REACTION TREND (pH)	5.5 to 9.5
OUTCROP (%)	-
RUNOFF	No runoff
PERMEABILITY	Very slowly permeable
DRAINAGE	Very poorly drained
SALINITY (µs/cm)	577 to 5490

DEVELOPMENT RISKS	
EROSION	Moderate
ROCK FALL	None
SHEET FLOODING	Severe
INUNDATION	Severe
SALINITY	Severe
ALKALINITY	High (at depth)
ACIDITY	Moderate (near surface)

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

Drainage Features

TECHNICAL DETAILS**LAND UNIT 5.04**

DESCRIPTION: Seasonal swamps - presently and recently active with Swamp Canegrass.

GEOLOGY: Quaternary, most likely Holocene, sediments would form the major infill material of the drainage depressions that represent this land unit. The salinity and reaction trend characteristics may be a result of the proximity of a saproloitic substrate (just below max. sample depth).

LANDFORM: Seasonally flooded swamps or playas up to 2.5km long and 600m wide. These land units are closed depressions developed mainly through valley drainage being blocked by sandy over bank / levee deposits from major, relic, bed load creeks. A dendritic channel network drains larger swamps to creeks cutting levees.

SOIL: Example from **Site 135**
MGA. Coordinates: 7380278mN, 391584mE

CLASSIFICATION: Desert loam. Dermosol - DE, AB, BJ, HB, A, E, L, O, X

SURFACE: Mostly cryptogam and thin surface flake cover this land unit when dry. There appears to be a significant organic or microbial component to the soil that may contribute to the darker hue.

DEPTH (m)	HORIZON	TEXTURE	pH	SALINITY ($\mu\text{s/cm}$)	OTHER DETAILS
0.00 - 0.10	A1	Loam (L)	5.5	577	Dark reddish brown (5YR3/3). Moderate 5-10mm polymorphic pedality with rough ped fabric. Non-effervescent.
0.10 - 0.30	A3	Clay loam (CL)	9.5	5490	Very dark grayish brown (10YR3/2). Moderate 5-10mm polymorphic pedality with rough ped fabric. Non-effervescent.
0.30 - 0.80	B21	Clay loam (CL)	8.0	3360	Dark brown (7.5YR3/2). 1% fine gravelly angular quartz fragments. Moderate 5-10mm polymorphic pedality with rough ped fabric. Non-effervescent.
0.80 - 1.20	B22	Light clay (LC)	8.5	3690	Dark brown (7.5YR3/2). 1% fine gravelly angular quartz fragments. Moderate 5-10mm polymorphic pedality with rough ped fabric. Non-effervescent.
1.20 - 1.50	B22	Light clay (LC)	9.5	3370	Very dark gray (7.5YR3/1). 1% fine gravelly angular quartz fragments. Moderate 5-10mm polymorphic pedality with rough ped fabric. Non-effervescent.
1.50 - 1.70	B3	Sandy clay loam (SCL)(K)	9.5	1400	Dark reddish brown (2.5YR3/3). 5% fine gravelly angular quartz fragments and 2% 6-20mm angular granite and quartz fragments. Moderate 5-10mm polymorphic pedality with rough ped fabric. Non-effervescent.

VEGETATION: **Site 16** (Albrecht, D. and Pitts, B. 1999).

UPPER STRATUM - Absent	
Dominant Species	
Other Species	
MID STRATUM - Absent	
Dominant species	
Other species	
LOWER STRATUM - Sparse hummock grassland	
Dominant species	Canegrass, Northern Bluebush
Other species	Desert Sneezeweed, Sickie Lovegrass, Swayback Nardoo, Yellow Billybuttons, Mallee Lovegrass, Small Water-fire, Variable Daisy, Bogan Flea, Buffel Grass, Button Grass, Grey Germander, Hogweed, Lesser Joyweed, <i>Leptochloa fusca subsp. fusca</i> .

(See Appendix 3 for botanical names)