

Project Name: Bradshaw
Project Code: BRD **Site ID:** 15 **Observation ID:** 1
Agency Name: Conservation Commission of the Northern Territory

Site Information

| | | | |
|------------------------|------------------------------|-------------------|----------------|
| Desc. By: | | Locality: | |
| Date Desc.: | 07/08/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 4496 1:100000 | Rainfall: | No Data |
| Northing/Long.: | 8283584 AMG zone: 52 | Runoff: | Slow |
| Easting/Lat.: | 648133 Datum: AGD66 | Drainage: | Poorly drained |

Geology

| | | | |
|-----------------------|--------------|------------------------------------|---|
| Exposure Type: | Auger boring | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | Qt | Substrate Material: | Auger boring, 0.6 m deep, Slightly porous, Clay |

Land Form

| | | | |
|-------------------------|-----------------------------|------------------------|----------------|
| Rel/Slope Class: | Undulating plains <9m 3-10% | Pattern Type: | Alluvial plain |
| Morph. Type: | No Data | Relief: | 0 metres |
| Elem. Type: | Levee | Slope Category: | No Data |
| Slope: | 0.5 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting, Surface crust, Cracking

Erosion:

Soil Classification

| | | |
|---|--------------------------------|-----------|
| Australian Soil Classification: | Mapping Unit: | 53 |
| Endocalcareous-Endohypersodic Crusty Brown Vertosol Non-gravelly Fine Very fine Deep | Principal Profile Form: | N/A |
| ASC Confidence: | Great Soil Group: | Grey clay |
| No analytical data are available but confidence is fair. | | |

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Tall Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Sorghum timorense, Iseilema vaginiflorum

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|-------------|---|
| A1 | 0 - 0.1 m | Brown (7.5YR4/4-Moist); , 0-0% ; Light clay; Weak grade of structure, Platy; Rough-ped fabric; Dry; Field pH 6 (Raupach); |
| B21 | 0.1 - 0.2 m | Dark yellowish brown (10YR3/4-Moist); , 0-0% ; Light clay; Weak grade of structure, Subangular blocky; Rough-ped fabric; Dry; Field pH 6.5 (Raupach); |
| B22 | 0.2 - 0.6 m | Dark brown (10YR3/3-Moist); , 0-0% ; Medium clay; Strong grade of structure, Subangular blocky; Smooth-ped fabric; Moderately moist; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach); |
| BC | 0.6 - 1.5 m | Brown (10YR4/3-Moist); , 0-0% ; Heavy clay; Strong grade of structure, Subangular blocky; Smooth-ped fabric; Moderately moist; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach); |

Morphological Notes

Observation Notes

ALP - QT - OLD LEVEE OF THE VIC RIVER. DEEP GREY CRACKING CLAY, WITH A PALE RED/YELLOWISH SURFACE. HORIZON.

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | Exchangeable | CEC | ECEC | ESP |
|-------|----|--------|----------------------|----|--------------|-------------|---------|-----|
| m | | dS/m | Ca | Mg | K | Na | Acidity | |
| | | | | | | Cmol (+)/kg | | % |

| Depth | CaCO3 | Organic | Avail. | Total | Total | Total | Bulk | Particle | | Size | Analysis | |
|-------|-------|---------|--------|-------|-------|-------|---------|----------|----|------|----------|------|
| m | % | C | P | P | N | K | Density | GV | CS | FS | Silt | Clay |
| | | % | mg/kg | % | % | % | Mg/m3 | | | % | | |

| Depth | COLE | Gravimetric/Volumetric Water Contents | | | | | | | K sat | K unsat |
|-------|------|---------------------------------------|----------|---------|---------|-------|-------|--------|-------|---------|
| | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar | 15 Bar | | |
| m | | g/g - m3/m3 | | | | | | | mm/h | mm/h |

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Laboratory Analyses Completed for this profile