Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **66** **Observation ID:** **1**
Agency Name: **Conservation Commission of the Northern Territory**

Site Information

Desc. By:
Date Desc.: 08/09/93
Map Ref.: Sheet No. : 5067 1:100000
Northing/Long.: 8310588 AMG zone: 52
Easting/Lat.: 667943 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Slow
Drainage: Poorly drained

Geology

ExposureType: Auger boring
Geol. Ref.: Qa
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.8 m deep,Slightly porous, Clay

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0.5 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry):
Cracking, Cryptogam surface

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Massive Brown Vertosol Non-gravelly Fine Medium fine Deep
Mapping Unit: 13
Principal Profile Form: N/A
ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: N/A

Site Disturbance:
No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Chrysopogon fallax, Sorghum timorense

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); , 7.5YR58, 0-2% , 0-5mm, Faint; Light clay; Massive grade of structure; Earthy fabric; Dry; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6 (Raupach);
B1	0.1 - 0.35 m	Yellowish brown (10YR5/4-Moist); , 7.5YR58, 0-2% , 0-5mm, Faint; Light medium clay; Massive grade of structure; Earthy fabric; Dry; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

cracking yellow brown clay too hard to dig past 30 cm masive in surface horizons but probably pedality will increase with depth, very hard to dig, turned to powder when augered.

Site Notes

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Laboratory Test Results:

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

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	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