Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **55** **Observation ID:** **1**
Agency Name: **Conservation Commission of the Northern Territory**

Site Information

Desc. By:
Date Desc.: 07/09/93
Map Ref.: Sheet No. : 4967 1:100000
Northing/Long.: 8307218 AMG zone: 52
Easting/Lat.: 653552 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Slow
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: Czs
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.9 m deep,Slightly porous, Clay

Land Form

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

Surface Soil Condition (dry): Cracking, Firm, Surface flake

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Eutrophic Brown Chromosol Thin Non-gravelly Clay-loamy Clayey Deep
Mapping Unit: 37
Principal Profile Form: N/A
ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: Red clay

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Closed or dense. *Species includes - Dicanthium aristatum, Chrysopogon fallax

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, subrounded, Sandstone

Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Light clay; Massive grade of structure; Dry; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach);
C1	0.1 - 0.3 m	Dark brown (10YR3/3-Moist); , 0-0% ; Light clay; Massive grade of structure; Dry; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach);
C2	0.3 - 0.6 m	Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Light medium clay; Weak grade of structure, Subangular blocky; Dry; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach);
C3	0.6 - 0.9 m	Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Light medium clay; Moderate grade of structure, Subangular blocky; Dry; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach);
C4	0.9 - 1.5 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Light medium clay; Moderate grade of structure, Subangular blocky; Dry; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach);

Morphological Notes

Observation Notes

deep uniform yellow brown clay

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