

Project Name: Bradshaw
Project Code: BRD **Site ID:** 42 **Observation ID:** 1
Agency Name: Conservation Commission of the Northern Territory

Site Information

Desc. By:		Locality:	
Date Desc.:	04/09/92	Elevation:	No Data
Map Ref.:	Sheet No. : 5067 1:100000	Rainfall:	No Data
Northing/Long.:	8302996 AMG zone: 52	Runoff:	Very slow
Easting/Lat.:	667028 Datum: AGD66	Drainage:	Poorly drained

Geology

Exposure Type:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czs	Substrate Material:	Auger boring, 0.35 m deep, Slightly porous, Alluvium

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	0 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0.5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Cryptogam surface, Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	12
Massive Brown Vertosol Non-gravelly Fine Medium fine Deep		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Brown clay

No analytical data are available but confidence is fair.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Chrysopogon fallax, Themeda triandra, Sorghum timorense

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.05 m	Yellowish brown (10YR5/4-Moist); , 7.5YR58, 20-50% , 15-30mm, Prominent; Light clay; Massive grade of structure; Earthy fabric; Dry; Field pH 6 (Raupach);
B11	0.05 - 0.2 m	Yellowish brown (10YR5/6-Moist); , 0-0% ; Light medium clay; Massive grade of structure; Earthy fabric; Dry; Field pH 6.5 (Raupach);
B12	0.2 - 0.35 m	Yellowish brown (10YR5/6-Moist); , 0-0% ; Medium clay; Massive grade of structure; Earthy fabric; Dry; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Difficult to tell pedality at depth. Massive earthy surface, yellow massive cracking clay, polygonal cracking, too hard to dig past 35 cm stopped by a very dense massive clay

Site Notes

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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