

Project Name: Bradshaw
Project Code: BRD **Site ID:** 35 **Observation ID:** 1
Agency Name: Conservation Commission of the Northern Territory

Site Information

Desc. By:		Locality:	
Date Desc.:	04/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 4967 1:100000	Rainfall:	No Data
Northing/Long.:	8299543 AMG zone: 52	Runoff:	Slow
Easting/Lat.:	648419 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qa	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial 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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	12
Mottled Mesotrophic Brown Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Yellow earth

No analytical data are available but confidence is fair.

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 - Brachyachne convergens
Mid Strata - Shrub, 3.01-6m, Mid-dense. *Species includes - Terminalia volucris, Carissa lanceolata
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus microcarpa, Excoecaria parvifolia

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Medium, (5 - 10) mm crack; Dry; Field pH 6 (Raupach);
B21	0.1 - 0.3 m	Yellowish brown (10YR5/6-Moist); , 7.5YR58, 0-2% , 0-5mm, Faint; , 0-2% , 0-5mm, Faint; Light medium clay (Light); Massive grade of structure; Earthy fabric; Dry; Field pH 6 (Raupach);
B22	0.3 - 0.45 m	Yellowish brown (10YR5/8-Moist); , 7.5YR58, 0-2% , 0-5mm, Faint; , 0-2% , 0-5mm, Faint; Light medium clay; Massive grade of structure; Earthy fabric; Dry; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

Duplex yellow earth (?), too hard to dig past 45 cm, stopped by a dense massive yellow clay. Polygonal cracking at surface

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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