

Project Name: Bradshaw
Project Code: BRD **Site ID:** 48 **Observation ID:** 1
Agency Name: Conservation Commission of the Northern Territory

Site Information

Desc. By:		Locality:	
Date Desc.:	06/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 4967 1:100000	Rainfall:	No Data
Northing/Long.:	8303511 AMG zone: 52	Runoff:	Moderately rapid
Easting/Lat.:	641258 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czs	Substrate Material:	Auger boring, 0.6 m deep, Slightly porous, Clay

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	0 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	34
Mottled Mesotrophic Brown Kandosol Thin 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, 0.51-1m, Closed or dense. *Species includes - Themeda triandra, Sorghum timorensis
Mid Strata - Shrub, 1.01-3m, Mid-dense. *Species includes - Acacia holosericea, Melaleuca argenticornis, Calytrix exstipulata,
Terminalia canescens
Tall Strata - Tree, 12.01-20m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, subangular, Sandstone

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); , 7.5YR58, 0-2% , 15-30mm, Faint; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Field pH 6 (Raupach);
A3	0.1 - 0.3 m	Yellowish brown (10YR5/4-Moist); , 7.5YR58, 0-2% , 15-30mm, Faint; Light clay; Massive grade of structure; Earthy fabric; Dry; Field pH 6 (Raupach);
Bw	0.3 - 0.6 m	Yellowish brown (10YR5/6-Moist); , 7.5R55, 20-50% , 15-30mm, Prominent; Light clay; Massive grade of structure; Earthy fabric; Dry; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

moderately deep yellow earth stopped at 60 cm too hard to dig with auger

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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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile