

Project Name: Bradshaw
Project Code: BRD **Site ID:** 41 **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.:	8288124 AMG zone: 52	Runoff:	Rapid
Easting/Lat.:	659381 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

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:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	7H
Basic Lithic Leptic Rudosol Moderately gravelly Sandy Very shallow		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Red 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, Mid-dense. *Species includes - Sorghum timorense, Plectrachne pungens
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia ??? (from WARLUS V), Calytrix exstipulata
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus phoenecia

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, subangular tabular, Sandstone; 10-20%, medium gravelly, 6-20mm, subrounded,
Sandstone

Profile Morphology

A11	0 - 0.05 m	Dark reddish brown (5YR3/2-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; 20-50%, medium gravelly, 6-20mm, subangular, Sandstone, coarse fragments; Field pH 6.5 (Raupach);
A12	0.05 - 0.15 m	Dark reddish brown (5YR3/3-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; 20-50%, medium gravelly, 6-20mm, subangular, Sandstone, coarse fragments; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Shallow Red earthy sand stopped by sandstone at 15 cm .

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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