

Project Name: Bradshaw
Project Code: BRD **Site ID:** 34 **Observation ID:** 1
Agency Name: Conservation Commission of the Northern Territory

Site Information

Desc. By:		Locality:	
Date Desc.:	03/09/93	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.:	Czs	Substrate Material:	No Data

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): Cracking, Self-mulching, Surface flake

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	52
Haplic Self-Mulching Brown Vertosol Non-gravelly Fine Medium fine Deep		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Red 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 - Brachyachne convergens
Mid Strata - Shrub, 3.01-6m, Mid-dense. *Species includes - Terminalia volucris
Tall Strata - Tree, 6.01-12m, Closed or dense. *Species includes - Eucalyptus microcarpa, Excoecaria parvifolia

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.03 m	Reddish brown (5YR4/3-Moist); , 0-0% ; Light clay; Moderate grade of structure, 2-5 mm, Granular; Rough-ped fabric; Medium, (5 - 10) mm crack; Field pH 7 (Raupach);
B1	0.03 - 0.1 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Light medium clay; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Medium, (5 - 10) mm crack; Dry; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 7 (Raupach);
B2	0.1 - 0.35 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Medium clay; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 7.5 (Raupach);

Morphological Notes

Observation Notes

Deep (?) red brown self mulching cracking clay stopped at 35 cm by a dense pedal 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