

Project Name: Bradshaw
Project Code: BRD **Site ID:** 64 **Observation ID:** 1
Agency Name: Conservation Commission of the Northern Territory

Site Information

Desc. By:		Locality:	
Date Desc.:	08/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 4967 1:100000	Rainfall:	No Data
Northing/Long.:	8305386 AMG zone: 52	Runoff:	Slow
Easting/Lat.:	660612 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czs	Substrate Material:	Auger boring, 0.9 m deep, Slightly porous, Clay

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, Firm, Surface flake

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	13
Endocalcareous-Endohypersodic Massive Grey 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: Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

Vegetation:

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

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, , Calcarenite; 0-2%, fine gravelly, 2-6mm, ,

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); , 0-0% ; Light clay; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Dry; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach);
B1	0.1 - 0.3 m	Reddish brown (2.5YR4/4-Moist); , 0-0% ; Light clay; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Dry; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 7.5 (Raupach);
B2	0.3 - 0.6 m	Weak red (2.5YR4/2-Moist); , 0-0% ; Light medium clay; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Dry; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 8.5 (Raupach);
B2k	0.6 - 0.9 m	Reddish brown (2.5YR5/4-Moist); , 0-0% ; Light medium clay; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Moderately moist; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 9.5 (Raupach);
BC	0.9 - 1.5 m	Reddish brown (2.5YR5/4-Moist); , 0-0% ; Light medium clay; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Moderately moist; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 9.5 (Raupach);

Morphological Notes

Observation Notes

deep olive brown cracking clay, same as site 63

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na			%
						Cmol (+)/kg			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

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