

**Project Name:** Bradshaw  
**Project Code:** BRD                      **Site ID:** 19                      **Observation ID:** 1  
**Agency Name:** Conservation Commission of the Northern Territory

#### Site Information

<b>Desc. By:</b>		<b>Locality:</b>	
<b>Date Desc.:</b>	08/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 4496    1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	8288349 AMG zone: 52	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	652303    Datum: AGD66	<b>Drainage:</b>	Poorly drained

#### Geology

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

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	0 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0.5 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Cracking, Self-mulching, Surface flake

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	52
Epicalcareous-Endohypersodic Epipedal Grey Vertosol Non-gravelly Fine Very fine    Deep		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey clay

No analytical data are available but confidence is fair.

**Site Disturbance:** Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. \*Species includes - Chrysopogon fallax, Dicanthium aristatum,  
Eragrostis species

Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - Lysiphyllum cunninghamii

#### Surface Coarse Fragments:

#### Profile Morphology

A1	0 - 0.03 m	Weak red (2.5YR4/2-Moist); , 0-0% ; Light medium clay; Moderate grade of structure, Granular; Rough-ped fabric; Dry; Field pH 6.5 (Raupach);
B21	0.03 - 0.1 m	Dusky red (2.5YR3/2-Moist); , 0-0% ; Medium clay; Moderate grade of structure, Subangular blocky; Rough-ped fabric; Dry; Field pH 7 (Raupach);
B22	0.1 - 0.3 m	Weak red (2.5YR4/2-Moist); , 0-0% ; Heavy clay; Strong grade of structure, Subangular blocky; Smooth-ped fabric; Moderately moist; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Concretions; Field pH 7 (Raupach);
BC	0.3 - 0.6 m	Weak red (2.5YR4/2-Moist); , 0-0% ; Heavy clay; Strong grade of structure, Subangular blocky; Smooth-ped fabric; Moderately moist; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Concretions; Field pH 7.5 (Raupach);
C1	0.6 - 1.2 m	Weak red (2.5YR4/2-Moist); , 0-0% ; Heavy clay; Strong grade of structure, Subangular blocky; Smooth-ped fabric; Moderately moist; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Concretions; Soil matrix is Slightly calcareous; Field pH 8 (Raupach);
C2	1.2 - 1.5 m	Reddish brown (2.5YR4/4-Moist); , 0-0% ; Heavy clay; Strong grade of structure, Subangular blocky; Smooth-ped fabric; Moderately moist; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Concretions; Field pH 8 (Raupach);

#### Morphological Notes

#### Observation Notes

DEEP GREY CRACKING CLAY. OPEN WOODLAND DOMINATED BY LYS CUNN..OVER MIXED GRASSES.....REFER 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