

**Project Name:** Bradshaw  
**Project Code:** BRD      **Site ID:** 36      **Observation ID:** 1  
**Agency Name:** Conservation Commission of the Northern Territory

#### Site Information

<b>Desc. By:</b>		<b>Locality:</b>	
<b>Date Desc.:</b>	04/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 4967 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	8298639 AMG zone: 52	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	659227 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>	No Data

#### 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):** Hardsetting, Cryptogam surface

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	35
Ferric Mesotrophic Yellow Chromosol Thick Non-gravelly Sandy Clayey Deep		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Yellow earth

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. \*Species includes - Chrysopogon fallax, Sorghum timorense  
Tall Strata - Tree, 3.01-6m, Closed or dense. \*Species includes - Melaleuca viridiflora, Terminalia platyphylla,  
Eucalyptus  
grandifolia

#### Surface Coarse Fragments:

#### Profile Morphology

A1	0 - 0.1 m	Weak red (2.5YR4/2-Moist); , 7.5YR58, 0-2% , 0-5mm, Prominent; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 7 (Raupach);
A2	0.1 - 0.3 m	Reddish brown (2.5YR5/4-Moist); , 7.5YR58, 2-10% , 0-5mm, Prominent; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Concretions; Field pH 6.5 (Raupach);
B2	0.3 - 0.45 m	Light reddish brown (2.5YR6/4-Moist); , 7.5YR58, 2-10% , 0-5mm, Prominent; , 2-10% , 0-5mm, Prominent; Light clay; Massive grade of structure; Earthy fabric; Dry; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Concretions; Field pH 6.5 (Raupach);

#### Morphological Notes

#### Observation Notes

Duplex yellow earth (?) stopped at 45 cm by a dense apedal mottled clay

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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