

**Project Name:** Bradshaw  
**Project Code:** BRD                      **Site ID:** 8                      **Observation ID:** 1  
**Agency Name:** Conservation Commission of the Northern Territory

**Site Information**

<b>Desc. By:</b>		<b>Locality:</b>	
<b>Date Desc.:</b>	06/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 4966    1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	8277292 AMG zone: 52	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	647574    Datum: AGD66	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Qa	<b>Substrate Material:</b>	Auger boring, 0.6 m deep,Porous, Alluvium

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	0 metres
<b>Elem. Type:</b>	Levee	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0.5 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Firm

**Erosion:** Active, Moderate (sheet) Active, Moderate (rill)  
Active, Severe (gully)

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	53
Sodic Eutrophic Brown Chromosol Thin Non-gravelly Loamy Clay-loamy Very deep	<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Alluvial soil

Analytical data are incomplete but reasonable confidence.

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. \*Species includes - Aristida latifolia  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus microcarpa

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Field pH 7 (Raupach);
A2	0.1 - 0.3 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; Field pH 7.5 (Raupach);
B21	0.3 - 0.6 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Moderately moist; Field pH 8 (Raupach);
B22	0.6 - 1.2 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Moderately moist; Field pH 8 (Raupach);
B	1.2 - 1.5 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Field pH 8.5 (Raupach);

**Morphological Notes**

**Observation Notes**

SITE NEAR VIC.RIVER ON RECENT LEVEE OPEN EM...WOODLAND OVER ARIS HYDRO. \*SEVERE GULLY EROSION ON LOWER SLOPES.

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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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile