Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **208** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	I. Hollingsworth	**Locality:**	
Date Desc.:	14/10/96	**Elevation:**	No Data
Map Ref.:	Sheet No. : 4966-1 1:50000	**Rainfall:**	No Data
Northing/Long.:	8300100 AMG zone: 52	**Runoff:**	No runoff
Easting/Lat.:	659596 Datum: AGD66	**Drainage:**	Very poorly drained

Geology

ExposureType:	Auger boring	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	Qa	**Substrate Material:**	Alluvium

Land Form

Rel/Slope Class:	Level plain <9m <1%	**Pattern Type:**	Anastomatic plain
Morph. Type:	No Data	**Relief:**	0 metres
Elem. Type:	Stream channel	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry): Poached

Erosion:

Soil Classification

Australian Soil Classification:
Bleached Kandosolic Redoxic Hydrosol Thin Non-gravelly Loamy Clay-loamy Moderately deep

Mapping Unit: 11
Principal Profile Form: N/A

ASC Confidence:
All necessary analytical data are available.

Great Soil Group: N/A

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Closed or dense. *Species includes - Sorghum timorense, Chrysopogon fallax,
Eulalia aurea

Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Melaleuca viridiflora, Acacia holosericea, Eucalyptus microtheca

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.03 m	Greyish brown (10YR5/2-Moist); , 10YR72, 10-20% , 5-15mm, Faint; , 10YR54; Fine sandy loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Moderately plastic; Normal plasticity; Non-sticky; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.03 - 0.25 m	Dark yellowish brown (10YR4/4-Moist); Light grey (10YR7/1-Moist); , 10YR56, 10-20% , 5-15mm, Distinct; Sandy clay loam, fine sandy (Light); Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very plastic; Normal plasticity; Non-sticky; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.25 - 0.4 m	Brown (10YR5/3-Moist); White (10YR8/1-Moist); ; Sandy clay loam, fine sandy; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very plastic; Normal plasticity; Non-sticky; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.4 - 0.6 m	Yellowish brown (10YR5/4-Moist); , 10YR63, 10-20% , 5-15mm, Distinct; , 10YR56; Fine sandy loam (Heavy); Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Moderately plastic; Normal plasticity; Non-sticky; Field pH 6 (Raupach);
D	0.6 - 0.8 m	Yellowish brown (10YR5/4-Moist); , 10YR63, 10-20% , 0-5mm, Distinct; Clayey fine sand; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Non-plastic; Non-sticky; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach);

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; SURFACE - 14, M.VIRIDA FLORA, A.HOLO...., E.MICROTHEA, EULALRA AUREA, SORGLUM, CHRYSOPIGM PALLY,
HYDROSOL, REDOXIC, KANDOSOLIC, BLEACHED, THICK, N.GRAVELLY, LOAMY, CLAY..., ...

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Laboratory Test Results:

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

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