

Project Name: Bradshaw
Project Code: BRD **Site ID:** 212 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	16/10/96	Elevation:	13 metres
Map Ref.:	Sheet No. : 4967-2 1:50000	Rainfall:	No Data
Northing/Long.:	8295516 AMG zone: 52	Runoff:	No runoff
Easting/Lat.:	659579 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czs	Substrate Material:	Auger boring, 0.45 m deep,Porous, Coal

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	13
Haplic Mesotrophic Brown Chromosol Thin Slightly gravelly Sandy Clayey Shallow		Principal Profile Form:	N/A

ASC Confidence:

All necessary analytical data are available.

Great Soil Group: N/A

Site Disturbance:

Vegetation: Low Strata - Tussock grass, 0.51-1m, Closed or dense. *Species includes - Sorghum timorense, Themeda triandra

Mid Strata - Shrub, 0.51-1m, Sparse. *Species includes - Carissa lanceolata, Grevillea striata

Tall Strata - Tree, 1.01-3m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, rounded, Ferricrete

Profile Morphology

A11	0 - 0.03 m	Dark brown (10YR3/3-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; Non-sticky; 0-2%, medium gravelly, 6-20mm, rounded, Red-brown hardpan, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;
A12	0.03 - 0.1 m	Brown (10YR4/3-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Smooth-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; Non-sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots; Abrupt change to -
B26	0.1 - 0.45 m	Yellowish brown (10YR5/6-Moist); Very pale brown (10YR7/4-Moist); , 0-0% ; Light clay; Moderate grade of structure, 20-50 mm, Prismatic; Rough-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Very plastic; Normal plasticity; Slightly sticky; Few cutans, <10% of ped faces or walls coated, faint; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;
D1	0.45 - 0.65 m	Yellowish brown (10YR5/6-Moist); , 10YR53, 2-10% , 5-15mm; Sand; Smooth-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; Non-sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach); Few, very fine (0-1mm) roots;
D2	0.65 - m	Brownish yellow (10YR6/6-Moist); ; Clayey sand; Smooth-ped fabric; Moderately moist; Non-plastic; Normal plasticity; Non-sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Densipan, Weakly cemented, Continuous, Massive; Field pH 9 (Raupach);

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; PROFILE - 19, E.PR..., MELALEUCA C, TERMINALRA PLATZPHYLLA, GREVILLA STRIATA, CARISSA LANCEOLATA, SORGLUUM, THEMEDA TRIANDRA,

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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

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Laboratory Analyses Completed for this profile