Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **207** **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.:	8312479 AMG zone: 52	**Runoff:**	Very slow
Easting/Lat.:	665043 Datum: AGD66	**Drainage:**	Moderately well drained

Geology

ExposureType:	Auger boring	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	Paa	**Substrate Material:**	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:**	Very gently sloped
Slope:	0.5 %	**Aspect:**	No Data

Surface Soil Condition (dry): Cracking, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Dystrophic Yellow Kandosol Thin Slightly gravelly Clay-loamy Clayey Very deep

Mapping Unit: 32
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, 0.26-0.5m, Closed or dense. *Species includes - Themeda triandra, Chrysopogon fallax,

Sorghum timorense, Aristida latifolia Mid Strata - Shrub, 0.26-0.5m, Sparse. *Species includes - Carissa lanceolata, Santalum lanceolatum

Tall Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Melaleuca minutifolia, Terminalia platyphylla

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, subrounded, Sandstone

Profile Morphology

A1	0 - 0.03 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; Field pH 7 (Raupach);
A3	0.03 - 0.15 m	Brown (10YR4/3-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moderately moist; 0-2%, coarse gravelly, 20-60mm, subrounded, stratified, Sandstone, coarse fragments; Field pH 6.5 (Raupach);
B21	0.15 - 0.7 m	Brownish yellow (10YR6/8-Moist); , 0-0% ; Light clay; Massive grade of structure; Earthy fabric; Moderately moist; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 5.5 (Raupach);
B22	0.7 - 0.9 m	Olive yellow (2.5Y6/6-Moist); , 2.5Y72, 10-20% , 5-15mm, Distinct; , 5YR46; Medium clay; Massive grade of structure; Earthy fabric; Moderately moist; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; SURFACE - 13, COCH LOSPERNUM FRASERII, M.MINUTIFOLIA, CARISSA LANCEOLATA, GREWIA RETUSA, SANDALWOOD SPP. TERMINALIA PUTYPHYLLA, ...CHRYSOPOLON FALLAX....KANDOSOL.....

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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	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis		
		C	P	P	N	K	Density	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