

Project Name: Bradshaw
Project Code: BRD **Site ID:** 203 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	13/10/96	Elevation:	49 metres
Map Ref.:	Sheet No. : 5067-4 1:50000	Rainfall:	No Data
Northing/Long.:	8314615 AMG zone: 52	Runoff:	No Data
Easting/Lat.:	665518 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	0 metres
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	31
Manganic Petroferric Red Kandosol Medium Moderately gravelly Loamy Clay-loamy Shallow		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
All necessary analytical data are available.			

Site Disturbance:

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Chrysopogon fallax, Sorghum timorense
Mid Strata - Shrub, 3.01-6m, Sparse. *Species includes - Terminalia canescens, Melaleuca minutifolia, Acacia spectabilis
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus grandifolia

Surface Coarse Fragments: 20-50%, medium gravelly, 6-20mm, ,

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; 20-50%, medium gravelly, 6-20mm, subrounded, Sandstone, coarse fragments; Very many (50 - 100 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots;
B1	0.1 - 0.25 m	Reddish brown (5YR4/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Slightly plastic; Normal plasticity; 50-90%, cobbly, 60-200mm, subrounded, Sandstone, coarse fragments; Very many (50 - 100 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach); Common, very fine (0-1mm) roots;
B2c	0.25 - 0.4 m	Yellowish red (5YR4/6-Moist); , 0-0% ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Slightly plastic; Normal plasticity; Field pH 5.5 (Raupach); Few
Cc	0.4 - 0.5 m	, 0-0% ; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Slightly plastic; Normal plasticity; , Strongly cemented, Continuous, Nodular;

Morphological Notes

Observation Notes

.....REFER NOTES

Site Notes

PHOTO NO: SURFACE - 8, *SITE RECENTLY BURNT*, E.GRADIFOLIA, TERMINALIA CANESCENS, ACACIA SPP., MELALEUCA MINUTIFOLIA, MANGAMI PETROFERRIC RED KANDISOL, MEDIUM, M.GRAVELLY, LOAMY, CL.CLAY, SHALLOW

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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