Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **202** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 13/10/96
Map Ref.: Sheet No. : 5067-4 1:50000
Northing/Long.: 8318488 AMG zone: 52
Easting/Lat.: 666941 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Very slow
Drainage: Imperfectly drained

Geology

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

Land Form

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

Surface Soil Condition (dry): Cryptogam surface, Hardsetting

Erosion: Active, Minor (sheet)

Soil Classification

Australian Soil Classification:
Haplic Mesotrophic Red Kandosol Medium Non-gravelly 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, Sparse. *Species includes - Aristida latifolia, Chrysopogon fallax, Heteropogon contortus Mid Strata - Shrub, 3.01-6m, Sparse. *Species includes - Carissa lanceolata, Melaleuca minutifolia

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Brown (10YR4/3-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Non-plastic; Non-sticky; Field pH 6 (Raupach); Many, fine (1-2mm) roots;
A12	0.05 - 0.23 m	Brown (7.5YR4/3-Moist); , 0-0% ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Non-plastic; Non-sticky; Field pH 6 (Raupach); Many, fine (1-2mm) roots;
B1	0.23 - 0.4 m	Brown (7.5YR4/4-Moist); , 0-0% ; Clay loam, sandy; Massive grade of structure; Rough-ped fabric; Dry; Moderately plastic; Slightly sticky; Field pH 6 (Raupach); Few, fine (1-2mm) roots;
B2	0.4 - 0.9 m	Reddish brown (5YR4/4-Moist); , 2.5YR48, 0-2% , 5-15mm, Faint; Medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very plastic; Normal plasticity; Slightly sticky; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 6 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; SURFACE - 7, E.TECTIFICA, TERMINALIA AROSTRATA, E.GRANDIFLORA, CLARISSA LANCEOLATA, MELALEUCA, GOSPP - GOSYPIUM SPP, COTTON BUSH, ERIACHNE OBTISA.

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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