Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **213** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 16/10/96
Map Ref.: Sheet No. : 4967-2 1:50000
Northing/Long.: 8296602 AMG zone: 52
Easting/Lat.: 659532 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Very slow
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: Czs
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.5 m deep,Porous, Alluvium

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Eutrophic Brown Chromosol Thin Non-gravelly Loamy Clayey Moderately deep
Mapping Unit: 13
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, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Sorghum timorense

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

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, rounded, Ferricrete

Profile Morphology

A11	0 - 0.03 m	Very dark greyish brown (10YR3/2-Moist); , 10YR53, 10-20% , 5-15mm, Faint; , 10YR56; Sandy loam (Light); Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) macropores, Dry; Non-plastic; Non-sticky; 2-10%, coarse gravelly, 20-60mm, subrounded, stratified, Sandstone, coarse fragments; Field pH 7 (Raupach); Few, very fine (0-1mm) roots;
B1	0.03 - 0.1 m	; Medium clay (Light); Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) macropores, Dry; 2-10%, coarse gravelly, 20-60mm, subrounded, stratified, Sandstone, coarse fragments; Very many (50 - 100 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach);
B21	0.1 - 0.4 m	Yellowish brown (10YR5/6-Moist); , 10YR54, 0-2% , 5-15mm, Faint; Medium heavy clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) macropores, Moderately moist; Very plastic; Moderately sticky; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach);
B22	0.4 - 0.55 m	Yellowish brown (10YR5/8-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) macropores, Moderately moist; Very plastic; Moderately sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; SURFACE - 20,21 INFILTRATION MEASUREMENT. MELALEUCA MINUTIFOLIA, M.VIRIDAFLORA, THEMEDA FRIANOLA, TERMINDIA PLA..., CHROMOSOL, BROWN, EUTROPHIC, FERRIC. THIN, NON GRAVELLY, LOAMY, CLAYEY.....

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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