Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **305** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 17/10/96
Map Ref.: Sheet No. : 5067-3 1:50000
Northing/Long.: 8305353 AMG zone: 52
Easting/Lat.: 685352 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Slow
Drainage: Poorly drained

Geology

ExposureType: Auger boring
Geol. Ref.: Paa
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Soil pit, 0.2 m deep,Slightly porous, Siltstone

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Lower-slope
Elem. Type: Footslope
Slope: 1 %
Pattern Type: Rises
Relief: 0 metres
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): Surface flake

Erosion: Active, Severe (sheet)

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Grey Dermosol Thin Slightly gravelly Loamy Clayey Very shallow

Mapping Unit: 37
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

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, rounded tabular, Sandstone

Profile Morphology

A1	0 - 0.03 m	Greyish brown (2.5Y5/2-Moist); , 0-0% ; Clay loam; Moderate grade of structure, <2 mm, Granular; Rough-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very plastic; Moderately sticky; 10-20%, fine gravelly, 2-6mm, dispersed, Siltstone, coarse fragments; Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
B2	0.03 - 0.1 m	Dark greyish brown (2.5Y4/2-Moist); , 0-0% ; Medium heavy clay; Strong grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very plastic; Moderately sticky; Many cutans, >50% of ped faces or walls coated, prominent; Field pH 7.5 (Raupach); Few, very fine (0-1mm) roots; Clear, Irregular change to -
Bc	0.1 - 0.2 m	Dark greyish brown (2.5Y4/2-Moist); , 0-0% ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very plastic; Moderately sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 7.5 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; SURFACE - 21, 22, 23, 24 - ....., E.PR..., M.MICROTH..., THIN, S.GRAVELLY, LOAMY, CLAYEY, V.SHALLOW. kERMOSOL, GREY,.....

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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