Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **514** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 24/10/96
Map Ref.: Sheet No. : 4966-1 1:50000
Northing/Long.: 8339229 AMG zone: 52
Easting/Lat.: 683205 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No runoff
Drainage: Very poorly drained

Geology

ExposureType: Soil pit
Geol. Ref.: Qa
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Slightly porous, Alluvium

Land Form

Rel/Slope Class: Undulating plains <9m 3-10%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: Level
Aspect: No Data

Surface Soil Condition (dry): Cracking, Self-mulching, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:
Endocalcareous Self-Mulching Grey Vertosol Non-gravelly Very fine Very fine Deep
Mapping Unit: 51
Principal Profile Form: N/A
ASC Confidence:
No analytical data are available but confidence is fair.
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, Mid-dense. *Species includes - Iseilema vaginiflorum, Astrebla squarrosa

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Dark greyish brown (2.5Y4/2-Moist); , 0-0% ; Medium heavy clay; Strong grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very plastic; Normal plasticity; Very sticky; Field pH 7 (Raupach); Common, very fine (0-1mm) roots;
B21	0.05 - 0.5 m	Dark greyish brown (2.5Y4/3-Moist); , 0-0% ; Medium heavy clay; 5-10 mm; 10-20 mm, Subangular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very plastic; Normal plasticity; Very sticky; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 7 (Raupach); Common, very fine (0-1mm) roots;
B22	0.5 - 0.6 m	Dark greyish brown (2.5Y4/3-Moist); , 0-0% ; Medium heavy clay; 5-10 mm; 20-50 mm, Subangular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very plastic; Normal plasticity; Very sticky; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 7 (Raupach);
B24	0.6 - 0.9 m	Dark greyish brown (2.5Y4/3-Moist); , 0-0% ; Medium heavy clay; 5-10 mm; 20-50 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very plastic; Normal plasticity; Very sticky; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 8 (Raupach);

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; - SURFACE - 20. A.DITRICHA, L.CUNNINGHANNI,...REFER NOTES

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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