

Project Name: Bradshaw
Project Code: BRD **Site ID:** 24 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:		Locality:	
Date Desc.:	02/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 4967 1:100000	Rainfall:	No Data
Northing/Long.:	8298884 AMG zone: 52	Runoff:	Very slow
Easting/Lat.:	655278 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czs	Substrate Material:	Auger boring, 0.7 m deep, Slightly porous, Colluvium

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Simple-slope	Relief:	0 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0.5 %	Aspect:	No Data

Surface Soil Condition (dry): Firm, Cracking, Surface flake

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	12
Haplic Epipedal Brown Vertosol Non-gravelly Fine Medium fine Deep		Principal Profile Form:	N/A

ASC Confidence:		Great Soil Group:	N/A
No analytical data are available but confidence is fair.			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Surface Coarse Fragments: 0-2%, stony, 200-600mm, subangular, Sandstone

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); , 0-0% ; Light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Medium, (5 - 10) mm crack; Dry; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions; Field pH 6 (Raupach);
B11	0.1 - 0.3 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Light clay; Weak grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Dry; Field pH 6 (Raupach);
B12	0.3 - 0.5 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Light clay; Weak grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Dry; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 6 (Raupach);
BC	0.5 - 0.7 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Light medium clay; Moderate grade of structure, 5-10 mm, Lenticular; Rough-ped fabric; Dry; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

Moderately deep brown cracking clay, would not auger past 70cm

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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