

Project Name: Bradshaw
Project Code: BRD **Site ID:** 302 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	17/10/96	Elevation:	No Data
Map Ref.:	Sheet No. : 5067-3 1:50000	Rainfall:	No Data
Northing/Long.:	8305330 AMG zone: 52	Runoff:	Very slow
Easting/Lat.:	687015 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

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

Surface Soil Condition (dry): Surface crust, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	76
Bleached-Mottled Mesotrophic Grey Chromosol Thick Non-gravelly Loamy Clayey Very deep		Principal Profile Form:	N/A

ASC Confidence:		Great Soil Group:	N/A
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus polycarpa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Fine sandy loam; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Slightly plastic; Normal plasticity; Non-sticky; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Smooth change to -
A21e	0.1 - 0.3 m	Brown (10YR5/3-Moist); Light grey (10YR7/2-Dry); , 10YR56, 2-10% , 0-5mm, Distinct; Sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Non-plastic; Non-sticky; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Clear, Smooth change to -
A22e	0.3 - 0.6 m	Light yellowish brown (10YR6/4-Moist); ; Sand; Single grain grade of structure; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Non-plastic; Non-sticky; Field pH 5.5 (Raupach); Clear, Smooth change to -
A3j	0.6 - 0.7 m	Light brownish grey (10YR6/2-Moist); , 2.5YR36, 2-10% , 5-15mm, Distinct; Sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Moderately plastic; Normal plasticity; Slightly sticky; Field pH 6 (Raupach); Clear, Smooth change to -
B2	0.7 - 0.9 m	Light brownish grey (10YR6/2-Moist); , 2.5YR36, 10-20% , 5-15mm, Distinct; , 7.5YR56; Light clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very plastic; Normal plasticity; Moderately sticky; 0-2%, medium gravelly, 6-20mm, rounded, stratified, Sandstone, coarse fragments; Field pH 6 (Raupach);
B3	0.9 - 1.1 m	Red (2.5YR4/6-Moist); , 10YR81, 10-20% , 5-15mm, Distinct; Sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very plastic; Normal plasticity; Moderately sticky; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; SURFACE - 17,15,16, CATORACTS. E.POLYCARPA.

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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