

**Project Name:** Bradshaw  
**Project Code:** BRD      **Site ID:** 306      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	I. Hollingsworth	<b>Locality:</b>	
<b>Date Desc.:</b>	17/10/96	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 5067-3 1:50000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	8308362 AMG zone: 52	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	684040 Datum: AGD66	<b>Drainage:</b>	Imperfectly drained

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Paa	<b>Substrate Material:</b>	Soil pit, 0.2 m deep,Porous, Siltstone

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Pediment
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Cryptogam surface, Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	37
Basic Lithic Leptic Rudosol Slightly gravelly Loamy Very shallow		<b>Principal Profile Form:</b>	N/A

**ASC Confidence:**

All necessary analytical data are available.

**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, Sparse. \*Species includes - *Aristida latifolia*, *Sorghum timorense*  
Tall Strata - Tree, 1.01-3m, Mid-dense. \*Species includes - *Melaleuca minutifolia*

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.03 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; Moderate grade of structure, <2 mm; Rough-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Non-plastic; Non-sticky; 0-2%, medium gravelly, 6-20mm, angular, Siltstone, coarse fragments; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Broken change to -
A2	0.03 - 0.1 m	Brown (10YR5/3-Moist); Light grey (2.5Y7/2-Moist); , 10YR58, 10-20% , 0-5mm, Distinct; Loam (Heavy); Massive grade of structure; Earthy fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Non-plastic; Non-sticky; 10-20%, medium gravelly, 6-20mm, angular, coarse fragments; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;
BC	0.1 - 0.35 m	Light olive brown (2.5Y5/4-Moist); , 2.5Y66, 10-20% , 5-15mm, Faint; Loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Non-plastic; Non-sticky; 90-100%, medium gravelly, 6-20mm, subangular, coarse fragments; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;
Cr	0.35 - m	; Dry;

**Morphological Notes**

**Observation Notes**

**Site Notes**

PHOTO NO; SURFACE - 1, REFER NOTES. M.MICROTHERCC, SURG..., ANSTIDA, E.PU....

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.03 - 0.1										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.03 - 0.1												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
0.03 - 0.1					g/g - m3/m3					

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Laboratory Analyses Completed for this profile