

**Project Name:** Bradshaw  
**Project Code:** BRD      **Site ID:** 511      **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>	18/10/96	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 5067-4 1:50000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	8341087 AMG zone: 52	<b>Runoff:</b>	No runoff
<b>Easting/Lat.:</b>	684356 Datum: AGD66	<b>Drainage:</b>	Poorly drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Paa	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	0 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	52
Self-Mulching Black Vertosol      Deep		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Closed or dense. \*Species includes - None recorded  
Mid Strata - Shrub, 0.51-1m, Sparse. \*Species includes - None recorded  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Lysiphyllum cunninghamii, Eucalyptus grandifolia

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

**Profile Morphology**

A1      0 - 0.03 m      Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Medium heavy clay; Dry; Very plastic;  
Normal plasticity; Very sticky; Few, medium (2-5mm) roots;

**Morphological Notes**

**Observation Notes**

REFER NOTES.....

**Site Notes**

PHOTO NO; SURFACE - 17. LYSIPHYLLUM CUNNINGHAMII, E.GRANDIFOLIA.

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Laboratory Test Results:

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

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

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