Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **301** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 17/10/96
Map Ref.: Sheet No. : 5067-3 1:50000
Northing/Long.: 8306345 AMG zone: 52
Easting/Lat.: 685176 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Rapid
Drainage: Well drained

Geology

ExposureType: Auger boring
Geol. Ref.: Paa
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.2 m deep,Slightly porous, Siltstone

Land Form

Rel/Slope Class: No Data
Morph. Type: Lower-slope
Elem. Type: Pediment
Slope: 3 %
Pattern Type: Rises
Relief: 0 metres
Slope Category: Gently inclined
Aspect: 240 degrees

Surface Soil Condition (dry): Surface crust, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Acidic Lithic Leptic Rudosol Very gravelly Loamy Very
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: 2D
Principal Profile Form: N/A
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 - Chrysopogon fallax, Themeda triandra, Plectrachne pungens Mid Strata - Shrub, 0.51-1m, Isolated plants. *Species includes - Carissa lanceolata

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

Surface Coarse Fragments: 90-100%, coarse gravelly, 20-60mm, angular tabular, Siltstone

Profile Morphology

A1	0 - 0.03 m	Dark brown (10YR3/3-Moist); ; Fine sandy loam; Moderate grade of structure, <2 mm, Granular; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Moderately plastic; Normal plasticity; Non-sticky; 50-90%, coarse gravelly, 20-60mm, angular tabular, dispersed, Siltstone, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to
B2	0.03 - 0.2 m	Yellowish brown (10YR5/6-Moist); ; Clay loam (Heavy); Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very plastic; Normal plasticity; Non-sticky; 50-90%, coarse gravelly, 20-60mm, angular tabular, dispersed, Siltstone, coarse fragments; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; SURFACE - 14, SPINAFEX,.....

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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