Project Name: **Bradshaw**
Project Code: **BRD** **Site ID:** **209** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 15/10/96
Map Ref.: Sheet No. : 4967-2 1:50000
Northing/Long.: 8287607 AMG zone: 52
Easting/Lat.: 659575 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Very slow
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: Paj
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.45 m deep,Porous, Sandstone

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%
Morph. Type: Lower-slope
Elem. Type: Pediment
Slope: 2 %
Pattern Type: Rises
Relief: 0 metres
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): N/A

Erosion:

Soil Classification

Australian Soil Classification:
Lithic Orthic Tenosol Non-gravelly Sandy Sandy Shallow
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: 7H
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance: No effective disturbance. Natural

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - TRIODIA SPECIES ?, Plectrachne pungens

Mid Strata - Shrub, 0.51-1m, Sparse. *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus phoenecia

Surface Coarse Fragments: 0-2%, , subrounded tabular, Sandstone

Profile Morphology

A11	0 - 0.02 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Non-plastic; Non-sticky; 0-2%, subrounded, dispersed, Sandstone, coarse fragments; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
A12	0.02 - 0.05 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Non-plastic; Normal plasticity; Non-sticky; 10-20%, subrounded, dispersed, Sandstone, coarse fragments; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B2w	0.05 - 0.15 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Loamy sand; Smooth-ped fabric; Common (1-5 per 100mm2) Medium (2-5mm) macropores, Dry; Non-plastic; Non-sticky; 20-50%, subrounded, dispersed, Sandstone, coarse fragments; Common, fine (1-2mm) roots; Clear, Smooth change to -
C	0.15 - 0.45 m	Brownish yellow (10YR6/6-Moist); Brownish yellow (10YR6/6-Moist); , 0-0% ; Loamy sand; Smooth-ped fabric; Common (1-5 per 100mm2) Medium (2-5mm) macropores, Dry; Non-plastic; Non-sticky; 50-90%, subrounded, dispersed, Sandstone, coarse fragments; Field pH 5.8 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

PHOTO NO; SURFACE - 16, E.PHOENCIC, HOLLY?, SPINAFEX, THICK, NON-GRAVELLY, SANDY, SANDY, SHALLOW, TENOSOLI,.....

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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