

Project Name: Bradshaw
Project Code: BRD **Site ID:** 111B **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	13/10/96	Elevation:	32 metres
Map Ref.:	Sheet No. : 4966-1 1:50000	Rainfall:	No Data
Northing/Long.:	8307657 AMG zone: 52	Runoff:	Moderately rapid
Easting/Lat.:	655680 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	220 degrees

Surface Soil Condition (dry): N/A

Erosion: Moderate (sheet)

Soil Classification

Australian Soil Classification:	Mapping Unit:	31
Basic Hypersalic Orthic Tenosol Thin Very gravelly Sandy Shallow	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, Mid-dense. *Species includes - Chrysopogon fallax, Heteropogon contortus,

Themeda triandra Mid Strata - Shrub, 0.26-0.5m, Very sparse. *Species includes - Terminalia canescens, Lysiphyllum cunninghamii, Melaleuca minutifolia

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Adansonia gregorii

Surface Coarse Fragments: 10-20%, stony, 200-600mm, rounded tabular, Sandstone

Profile Morphology

A1	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Non-plastic; Non-sticky; 20-50%, cobbly, 60-200mm, subrounded tabular, dispersed, Sandstone, coarse fragments; Field pH 7 (Raupach); Common, very fine (0-1mm) roots;
A3	0.05 - 0.2 m	Dark brown (10YR3/3-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Slightly plastic; Normal plasticity; Slightly sticky; 20-50%, cobbly, 60-200mm, subrounded tabular, dispersed, Sandstone, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

COLLUVIAL FOOTSLOPE

Site Notes

PHOTO NO; SURFACE 2, TENOSOL, ORTHIC, LITHIC, BASIC, THICK, V.GRAVELLY, SANDY, SHALLOW.

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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			

0 - 0.05	5.3C	0.02A
	6.1A	

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			%		

0 - 0.05

[illegible]

0 - 0.05

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Laboratory Analyses Completed for this profile

3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
4B2	pH of 1:5 soil/0.01M calcium chloride extract - following Method 4A1