

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 237 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	23/07/91	Elevation:	444 metres
Map Ref.:	Sheet No. : 6628-16 1:10000	Rainfall:	No Data
Northing/Long.:	6160735 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	314920 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 2 m deep, No Data

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	200 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hydrosol		Principal Profile Form:	Dy5.41
ASC Confidence:		Great Soil Group:	Gleyed podzolic soil
Confidence level not specified			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - None recorded
Tall Strata - Tree, 20.01-35m, Isolated plants. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Loose consistence; Field pH 6 (Raupach, 0.1); Many, very fine (0-1mm) roots; Gradual change to -
A1	0.1 - 0.3 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Loose consistence; Field pH 6 (Raupach, 0.2); Common, very fine (0-1mm) roots; Clear change to -
A21	0.3 - 0.5 m	Brown (10YR5/3-Moist); , 2-10% , Faint; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Loose consistence; Field pH 6 (Raupach, 0.35); Few, very fine (0-1mm) roots; Clear change to -
A22	0.5 - 0.7 m	Very pale brown (10YR7/3-Moist); , 0-0% ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Loose consistence; Field pH 6 (Raupach, 0.6); Few, very fine (0-1mm) roots; Clear change to -
B2	0.7 - 0.9 m	Brown (10YR5/3-Moist); , 20-50% , Distinct; Sandy medium clay; Massive grade of structure; Sandy (grains prominent) fabric; Firm consistence; Field pH 6 (Raupach, 0.8); Clear change to -
C	0.9 - 1 m	Yellowish brown (10YR5/8-Moist); , Sandy light clay; Massive grade of structure; Sandy (grains prominent) fabric; Very firm consistence; Field pH 6 (Raupach, 0.95);

Morphological Notes

Observation Notes

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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			%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile