Project Name: **Warren Reservoir Catchment Survey**
Project Code: **WRN** **Site ID:** **272** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	I. Hollingsworth	**Locality:**	
Date Desc.:	05/08/91	**Elevation:**	470 metres
Map Ref.:	1:10000	**Rainfall:**	No Data
Northing/Long.:	6163330 AMG zone: 54	**Runoff:**	Moderately rapid
Easting/Lat.:	317470 Datum: AGD66	**Drainage:**	Poorly drained

Geology

ExposureType:	Auger boring	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Auger boring, 0.8 m deep,Porous, Schist

Land Form

Rel/Slope Class:	Rolling low hills 30-90m 10-	**Pattern Type:**	Hills
Morph. Type:	Lower-slope	**Relief:**	No Data
Elem. Type:	Footslope	**Slope Category:**	Gently inclined
Slope:	11 %	**Aspect:**	130 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:
Hydrosol
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Um1.44
Great Soil Group: Alluvial soil

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, 12.01-20m, Isolated plants. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: 0-2%, stony, 200-600mm, angular, Schist

Profile Morphology

A11	0 - 0.1 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Silty loam; Weak grade of structure, <2 mm, Granular; Rough-ped fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Field pH 6 (Raupach, 0.05); Many, very fine (0-1mm) roots;
A11	0.1 - 0.3 m	; Silty loam; Moist; 2-10%, stony, 200-600mm, angular tabular, dispersedstrong, Schist, coarse fragments; Field pH 6 (Raupach, 0.2); Many, very fine (0-1mm) roots;
A11	0.3 - 0.5 m	Very dark grey (10YR3/1-Moist); , 2-10% , Distinct; Silty loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Field pH 6 (Raupach, 0.4); Many, very fine (0-1mm) roots;
A12	0.5 - 0.7 m	Dark grey (10YR4/1-Moist); , 2-10% , Distinct; Silty loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Field pH 6 (Raupach, 0.6); Common, very fine (0-1mm) roots; Clear change to -
A2	0.7 - 0.8 m	Brown (10YR5/3-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Few, very fine (0-1mm) roots; Clear change to -
C	0.8 - 0.9 m	Yellowish red (5YR5/8-Moist); , 10-20% , Distinct; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Field pH 6 (Raupach, 0.9); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

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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