

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 293 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	06/08/91	Elevation:	455 metres
Map Ref.:	Sheet No. : 6628-26 1:10000	Rainfall:	No Data
Northing/Long.:	6152090 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	311820 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 0.7 m deep,Porous, Schist

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	12 %	Aspect:	50 degrees

Surface Soil Condition (dry): Firm

Erosion: Stable, Moderate (sheet)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy5.52
ASC Confidence:		Great Soil Group:	Gleyed podzolic soil
Confidence level not specified			

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Tree, 3.01-6m, Closed or dense. *Species includes - Pinus radiata

Surface Coarse Fragments: 2-10%, stony, 200-600mm, angular, Schist

Profile Morphology

A1	0 - 0.1 m	Light yellowish brown (10YR6/4-Moist); , 2-10% , Faint; Sandy 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, 0.05); Common, very fine (0-1mm) roots;
A1	0.1 - 0.3 m	Light yellowish brown (10YR6/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Loose consistence; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 6 (Raupach, 0.2); Common, very fine (0-1mm) roots; Abrupt change to -
Bt	0.3 - 0.5 m	Light brownish grey (2.5Y6/2-Moist); , 10-20% , Distinct; Medium clay; Massive grade of structure; Rough-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Field pH 7 (Raupach, 0.4); Few, very fine (0-1mm) roots; Clear change to -
BC	0.5 - 0.7 m	Light brownish grey (2.5Y6/2-Moist); , 2-10% , Distinct; Medium clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very firm consistence; Field pH 7 (Raupach, 0.65); Few, very fine (0-1mm) roots; Clear change to -
C	0.7 - 1 m	Light brownish grey (2.5Y6/2-Moist); , 0-2% , Distinct; Clay loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very firm consistence; Field pH 7 (Raupach, 0.95); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

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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 - m ³ /m ³						mm/h	mm/h

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Laboratory Analyses Completed for this profile