

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 290 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	06/08/91	Elevation:	435 metres
Map Ref.:	Sheet No. : 6628-26 1:10000	Rainfall:	No Data
Northing/Long.:	6152550 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	311940 Datum: AGD66	Drainage:	Imperfectly 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:	Very gently sloped
Slope:	4 %	Aspect:	90 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy5.82
ASC Confidence:		Great Soil Group:	Lateritic 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: 10-20%, coarse gravelly, 20-60mm, rounded, Ferricrete

Profile Morphology

A1	0 - 0.1 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; Very weak consistence; 10-20%, stony, 200-600mm, rounded, dispersedmoderately strong, Ferricrete, coarse fragments; Field pH 6 (Raupach, 0.05); Common, very fine (0-1mm) roots; Clear change to -
Bt	0.1 - 0.3 m	Strong brown (7.5YR5/8-Moist); , 10-20% , Faint; Light clay; Weak grade of structure, 2-5 mm, Angular blocky; Rough-ped fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Field pH 6 (Raupach, 0.25); Common, very fine (0-1mm) roots; Clear change to -
BC	0.3 - 0.5 m	Strong brown (7.5YR5/8-Moist); , 2-10% , Faint; 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, 0.4); Few, very fine (0-1mm) roots; Clear change to -
BC	0.5 - 0.7 m	Brownish yellow (10YR6/8-Moist); , 0-2% , Distinct; Medium clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very firm consistence; Field pH 7 (Raupach, 0.6); Few, very fine (0-1mm) roots; Clear change to -
C	0.7 - 0.9 m	Brownish yellow (10YR6/6-Moist); , 2-10% , Faint; Medium clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very firm consistence; Field pH 7 (Raupach, 0.85);

Morphological Notes

Observation Notes

Site Notes

Project Name: Warren Reservoir Catchment Survey

Project Code: WRN

Agency Name: CSIRO Division of Soils (SA)

Site ID: 290

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na		%
						Cmol (+)/kg		

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

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

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN Site ID: 290 Observation ID: 1
Agency Name: CSIRO Division of Soils (SA)

Laboratory Analyses Completed for this profile