

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 288 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	06/08/91	Elevation:	463 metres
Map Ref.:	Sheet No. : 6628-26 1:10000	Rainfall:	No Data
Northing/Long.:	6152500 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	311520 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	6 %	Aspect:	10 degrees

Surface Soil Condition (dry): Firm

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy5.11
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
Confidence level not specified			

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

Vegetation:

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Pinus radiata

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subrounded, Schist

Profile Morphology

O	0 - 0.02 m	Organic Layer; Black (7.5YR2/0-Moist); ; Fine, (0 - 5) mm crack; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Loose consistence; Field pH 5.5 (Raupach, 0.01);
A1	0.02 - 0.1 m	Brown (7.5YR5/2-Moist); ; Coarse sandy loam; Strong grade of structure, <2 mm, Granular; Rough-ped fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, stratifiedmoderately strong, Schist, coarse fragments; Field pH 5.5 (Raupach, 0.09); Common, very fine (0-1mm) roots;
A1	0.1 - 0.3 m	Brown (7.5YR5/2-Moist); ; Coarse sandy loam; Strong grade of structure, <2 mm, Granular; Rough-ped fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, stratifiedmoderately strong, Schist, coarse fragments; Field pH 5.5 (Raupach, 0.15); Common, very fine (0-1mm) roots;
Bt	0.3 - 0.4 m	Strong brown (7.5YR5/6-Moist); ; 0-2% , Faint; Medium clay; Moderate grade of structure, <2 mm, Angular blocky; Fine, (0 - 5) mm crack; Common (1-5 per 100mm ²) Fine (1-2mm) macropores, Moist; Firm consistence; Field pH 5.5 (Raupach, 0.35); Common, very fine (0-1mm) roots;
BC	0.4 - 0.7 m	Strong brown (7.5YR5/8-Moist); ; 2-10% , Distinct; Light clay; Massive grade of structure; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Field pH 6 (Raupach, 0.45); Few, very fine (0-1mm) roots;
C	0.7 - 0.85 m	Yellowish red (5YR5/6-Moist); ; 2-10% , Distinct; Clay loam; Massive grade of structure; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Very firm consistence; Field pH 6 (Raupach, 0.82);

Morphological Notes

Observation Notes

Site Notes

Project Name: Warren Reservoir Catchment Survey

Project Code: WRN

Agency Name: CSIRO Division of Soils (SA)

Site ID: 288

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

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN Site ID: 288 Observation ID: 1
Agency Name: CSIRO Division of Soils (SA)

Laboratory Analyses Completed for this profile