

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 311 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	06/08/91	Elevation:	421 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6152130 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	312290 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.1 m deep, Slightly porous, No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	2 %	Aspect:	90 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hydrosol		Principal Profile Form:	Dg4.71
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, Very sparse. *Species includes - None Recorded

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

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (2.5Y4/2-Moist); , 0-0% ; 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; Field pH 6 (Raupach, 0.5); Common, very fine (0-1mm) roots;
A1	0.1 - 0.15 m	Dark greyish brown (2.5Y4/2-Moist); , 0-0% ; 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, dispersedstrong, Quartz, coarse fragments; Field pH 6 (Raupach, 0.12); Common, very fine (0-1mm) roots; Clear change to -
A2	0.15 - 0.3 m	Light grey (5Y7/1-Moist); , 0-0% ; Clayey sand; 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, dispersedstrong, Quartz, coarse fragments; Field pH 6 (Raupach, 0.12); Common, very fine (0-1mm) roots; Clear change to -
A2	0.3 - 0.45 m	Light grey (5Y7/1-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Loose consistence; Field pH 6 (Raupach, 0.4); Few, very fine (0-1mm) roots; Abrupt change to -
Bt	0.45 - 0.6 m	Greyish brown (10YR5/2-Moist); , 2-10% ; Medium heavy clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, stratifiedstrong, Ferricrete, coarse fragments; Field pH 6 (Raupach, 0.5); Few, very fine (0-1mm) roots; Clear change to -
BC	0.6 - 0.8 m	Light grey (2.5Y7/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Weak consistence; 20-50%, medium gravelly, 6-20mm, subrounded, stratifiedmoderately strong, Ferricrete, coarse fragments; Field pH 6 (Raupach, 0.9);
C	0.8 - 1 m	White (2.5Y8/0-Moist); , 2-10% , Prominent; Light 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 6 (Raupach, 0.9);

Morphological Notes

Observation Notes

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN Site ID: 311 Observation ID: 1
Agency Name: CSIRO Division of Soils (SA)

Site Notes

Project Name: Warren Reservoir Catchment Survey

Project Code: WRN

Agency Name: CSIRO Division of Soils (SA)

Site ID: 311

Observation ID: 1

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 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: 311 Observation ID: 1
Agency Name: CSIRO Division of Soils (SA)

Laboratory Analyses Completed for this profile