

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 100 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	29/04/91	Elevation:	412 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6157480 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	317010 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, 3 m deep, Slightly porous, Clay

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Peneplain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Level
Slope:	0.5 %	Aspect:	290 degrees

Surface Soil Condition (dry): Surface crust

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodosol		Principal Profile Form:	Dy3.43
ASC Confidence:		Great Soil Group:	Solodized solonetz
Confidence level not specified			

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

Vegetation: Low Strata - Sedge, 0.26-0.5m, Mid-dense. *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); Light brownish grey (10YR6/2-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; Clear, Smooth change to -
A12	0.1 - 0.3 m	Greyish brown (10YR5/2-Moist); Light grey (10YR7/2-Dry); , 10YR46, 0-2% , 0-5mm, Faint; Sandy loam; Massive grade of structure; Common (1-5 per 100mm2) macropores, Moderately moist; Weak consistence; Clear, Smooth change to -
A2	0.3 - 0.45 m	Light yellowish brown (10YR6/4-Moist); Very pale brown (10YR7/3-Dry); , 10YR46, 0-2% , 0-5mm, Faint; Loamy sand; Weak grade of structure; Moist; Loose consistence; Abrupt, Smooth change to -
AB	0.45 - 0.5 m	Light grey (10YR7/2-Moist); White (10YR8/1-Dry); , 10YR68, 10-20% , 0-5mm, Distinct; , 10YR52; Clayey sand; Single grain grade of structure; Loose consistence; Sharp, Irregular change to -
Bt	0.5 - 0.6 m	Grey (10YR6/1-Moist); Grey (10YR6/1-Dry); , 7.5YR58, 20-50% , 15-30mm, Distinct; , 10YR31; Medium clay; Single grain grade of structure; Dry; Strong consistence; Clear, Wavy change to -
B	0.6 - 1 m	Light grey (10YR7/2-Moist); Light grey (10YR7/2-Dry); , 10YR68, 20-50% , 15-30mm, Distinct; Light clay; Strong grade of structure; Dry; Very strong consistence;

Morphological Notes

Observation Notes

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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

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Laboratory Analyses Completed for this profile