

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 050 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	28/11/90	Elevation:	431 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6157425 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	320305 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 3 m deep,Porous, Clay

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	260 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hydrosol		Principal Profile Form:	Dy5.43
ASC Confidence:		Great Soil Group:	Gleyed podzolic soil
Confidence level not specified			

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Sedge, 0.26-0.5m, Sparse. *Species includes - None recorded
Mid Strata - Shrub, 1.01-3m, Isolated clumps. *Species includes - Leptospermum species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

O	0 - 0.03 m	Organic Layer; Very dark grey (10YR3/1-Moist); , 0-0% ; Single grain grade of structure; Dry; Loose consistence; Abrupt, Smooth change to -
A1	0.03 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Clear, Smooth change to -
A2	0.1 - 0.5 m	Light yellowish brown (10YR6/4-Moist); , 7.5YR58, 2-10% , 0-5mm, Faint; Loamy sand; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -
Bt	0.5 - 0.9 m	Light brownish grey (2.5Y6/2-Moist); , 10YR56, 10-20% , 5-15mm, Distinct; Heavy clay; Single grain grade of structure; Wet; Loose consistence; Gradual, Smooth change to -
Bt	0.9 - 1.1 m	Brown (10YR5/3-Moist); , 2.5YR36, 10-20% , 5-15mm, Distinct; , 10YR56; Medium clay; Single grain grade of structure; Loose consistence; Gradual, Smooth change to -
Bt	1.1 - 1.5 m	Light brownish grey (2.5Y6/2-Moist); , 10YR56, 10-20% , 15-30mm, Distinct; Sandy clay; Single grain grade of structure; Loose consistence;

Morphological Notes

Observation Notes

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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

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Laboratory Analyses Completed for this profile