

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 023 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	15/11/90	Elevation:	427 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6151620 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	314750 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 2 m deep,Porous, Clay

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	Level
Slope:	1 %	Aspect:	150 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy3.41
ASC Confidence:		Great Soil Group:	Yellow podzolic soil
Confidence level not specified			

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

Vegetation:

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Dry; Loose consistence; Abrupt, Smooth change to -
A2	0.15 - 0.5 m	Very pale brown (10YR7/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Clear, Smooth change to -
Bt	0.5 - 0.7 m	Yellowish brown (10YR5/8-Moist); , 10YR72, 2-10% , 5-15mm, Distinct; Medium clay; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -
Bt	0.7 - 0.9 m	Yellowish brown (10YR5/8-Moist); , 10YR72, 2-10% , 5-15mm, Distinct; , 10YR36; Sandy clay; Single grain grade of structure; Wet; Loose consistence; Gradual, Smooth change to -
BC1	0.9 - 1.3 m	Yellowish red (5YR5/8-Moist); , 10YR68, 2-10% , 5-15mm, Distinct; , 10YR72; Clayey sand; Single grain grade of structure; Loose consistence; Gradual, Smooth change to -
BC2	1.3 - 1.5 m	Strong brown (7.5YR5/8-Moist); , 10YR72, 2-10% , 5-15mm, Distinct; Clayey sand; 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	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		
						Cmol (+)/kg			%

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

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar		
m					g/g - m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile