

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 312 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	09/08/91	Elevation:	426 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6158695 AMG zone: 54	Runoff:	Moderately rapid
Easting/Lat.:	315905 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, 0.95 m deep, Porous, Schist

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	280 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:	Yellow podzolic soil
Confidence level not specified			

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Brown (7.5YR5/4-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Field pH 6 (Raupach, 0.05); Many, very fine (0-1mm) roots;
A12	0.1 - 0.3 m	Strong brown (7.5YR5/8-Moist); , 0-0% ; Fine sandy loam; Massive grade of structure; Field pH 6 (Raupach, 0.2); Common, very fine (0-1mm) roots; Clear change to -
B1	0.3 - 0.4 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Light clay; Massive grade of structure; Field pH 6 (Raupach, 0.45); Few, very fine (0-1mm) roots; Clear change to -
Bt	0.4 - 0.5 m	Brownish yellow (10YR6/6-Moist); , 0-2% , Prominent; Medium clay; Field pH 6 (Raupach, 0.45); Few, very fine (0-1mm) roots; Clear change to -
Bc	0.5 - 0.8 m	Brownish yellow (10YR6/6-Moist); , 20-50% ; Light medium clay; Field pH 6 (Raupach, 0.6); Few, very fine (0-1mm) roots; Clear change to -
C	0.8 - 0.95 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Fine sandy loam; Field pH 6 (Raupach, 0.9);

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