

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 022 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	14/11/90	Elevation:	495 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6152261 AMG zone: 54	Runoff:	Moderately rapid
Easting/Lat.:	318821 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 0.9 m deep, Slightly porous, Schist

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Level
Slope:	1 %	Aspect:	320 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Minor (sheet)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy3.21
ASC Confidence:		Great Soil Group:	Soloth
Confidence level not specified			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Tall Strata - Tree, 12.01-20m, Closed or dense. *Species includes - Pinus radiata

Surface Coarse Fragments: 2-10%, stony, 200-600mm, angular tabular, Quartz

Profile Morphology

A1	0 - 0.2 m	Dark reddish grey (5YR4/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Dry; Loose consistence; Clear, Smooth change to -
A2	0.2 - 0.3 m	Light reddish brown (5YR6/3-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Moderately moist; Loose consistence; Abrupt, Smooth change to -
B2	0.3 - 0.5 m	Reddish brown (5YR4/4-Moist); , 2.5YR48, 20-50% , 5-15mm, Distinct; Medium clay; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -
C	0.5 - 0.9 m	Reddish brown (5YR4/4-Moist); , 2.5YR48, 20-50% , 5-15mm, 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	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	15 Bar		
m					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile