

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 021 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	14/11/90	Elevation:	490 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6152190 AMG zone: 54	Runoff:	Rapid
Easting/Lat.:	318680 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 0.7 m deep,Slightly 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:	Hillslope	Slope Category:	Gently inclined
Slope:	9 %	Aspect:	230 degrees

Surface Soil Condition (dry): Firm

Erosion: Minor (sheet)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Rudosol		Principal Profile Form:	Uc1.44
ASC Confidence:		Great Soil Group:	Siliceous sand
Confidence level not specified			

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

Vegetation:

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

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, angular tabular, Schist

Profile Morphology

O1	0 - 0.04 m	Organic Layer; , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Sharp, Smooth change to -
A1	0.04 - 0.4 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose consistence;
A2	0.4 - 0.6 m	Dark yellowish brown (10YR4/4-Moist); , 2.5YR48, 2-10% , 5-15mm, Distinct; Clayey sand; Single grain grade of structure; Moist; Loose consistence;
AC	0.6 - 0.7 m	Yellowish brown (10YR5/4-Moist); , 10YR58, 2-10% , 5-15mm, Distinct; Single grain grade of structure; Loose consistence;
R	0.7 - m	Rock

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