

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 408 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	12/03/92	Elevation:	440 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6154000 AMG zone: 54	Runoff:	Moderately rapid
Easting/Lat.:	318250 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, 0.6 m deep, Schist

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	No Data
Slope:	3 %	Aspect:	310 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy3.42
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
Confidence level not specified			

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

Vegetation:

Tall Strata - Tree, 3.01-6m, Closed or dense. *Species includes - Pinus radiata

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, rounded, Ironstone

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); , 0-0% ; Sandy loam; Strong grade of structure, 2-5 mm, Granular; Weak grade of structure; Moderately moist; Very firm consistence; Many cutans, >50% of ped faces or walls coated, distinct; Field pH 6 (Raupach, 0.05); Many, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.1 - 0.2 m	Light grey (10YR7/2-Moist); , 0-0% ; Sand; Massive grade of structure; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, rounded, stratifiedstrong, Quartz, coarse fragments; Field pH 6.5 (Raupach, 0.15); Few, very fine (0-1mm) roots; Sharp, Smooth change to -
Bw	0.2 - 0.3 m	Yellowish brown (10YR5/8-Moist); , 2-10% , Distinct; 20-50%, medium gravelly, 6-20mm, rounded, stratifiedstrong, Eolian sand, coarse fragments; Field pH 7 (Raupach, 0.2); Few, very fine (0-1mm) roots;

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