

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 119 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	18/12/90	Elevation:	425 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6157320 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	319915 Datum: AGD66	Drainage:	Very poorly drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, 1 m deep, Porous, Sandstone

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	300 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodosol		Principal Profile Form:	Dy5.41
ASC Confidence:		Great Soil Group:	Soloth
Confidence level not specified			

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

Vegetation:

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Pinus radiata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Greyish brown (10YR5/2-Moist); White (10YR8/2-Dry); , 7.5YR56, 2-10% , 0-5mm, Faint; Loamy sand; Single grain grade of structure; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Loose consistence; Non-plastic; Non-sticky; Field pH 7 (Raupach); Few, coarse (>5mm) roots; Sharp, Smooth change to -
A21	0.1 - 0.3 m	Greyish brown (10YR5/2-Moist); White (10YR8/1-Dry); , 7.5YR46, 2-10% , 0-5mm, Faint; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Non-plastic; Non-sticky; Field pH 7 (Raupach); Common, medium (2-5mm) roots; Clear, Smooth change to -
A22	0.3 - 0.5 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR8/3-Dry); , 10YR68, 2-10% , 0-5mm, Faint; Loamy sand; Weak grade of structure; Moist; Loose consistence; Non-plastic; Non-sticky; Field pH 7.5 (Raupach); Few, very fine (0-1mm) roots; Sharp, Irregular change to -
Bg	0.5 - 0.65 m	Light brownish grey (10YR6/2-Moist); Light grey (10YR7/2-Dry); , 10YR66, 10-20% , 5-15mm, Distinct; Light clay; Moderate grade of structure; Wet; Weak consistence; Non-plastic; Non-sticky; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

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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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.35	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.55	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.65	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.70	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.85	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.95	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.45	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.65	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.75	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.80	1.80	0.00	0.00						

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Laboratory Analyses Completed for this profile