

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 405 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	12/03/92	Elevation:	442 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6154485 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	318889 Datum: AGD66	Drainage:	Rapidly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1 m deep,Porous, Silcrete

Land Form

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

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Podosol		Principal Profile Form:	Uc5.13
ASC Confidence:		Great Soil Group:	Podzol
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: No surface coarse fragments

Profile Morphology

O	0 - 0.02 m	Organic Layer; Dark grey (10YR4/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Fine (1-2mm) macropores, Very weak consistence; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots;
A1	0.02 - 0.4 m	Light grey (10YR7/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.4 - 0.5 m	White (10YR8/2-Moist); , ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Sharp, Wavy change to -
Bw	0.5 - 0.8 m	White (10YR8/2-Moist); , 20-50% , Prominent; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots;
A2	0.8 - 0.85 m	White (10YR8/1-Moist); , 0-0% ; Sand; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Field pH 6 (Raupach);
Bs	0.85 - 0.9 m	Brown (10YR5/3-Moist); , 10-20% , Distinct; Clayey sand; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Strong consistence; Field pH 6 (Raupach);
Bq	0.9 - m	; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Strong consistence; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

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0.85 - 0.9

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Laboratory Analyses Completed for this profile

2A1	Air-dry moisture content
6B3	Total organic carbon - high frequency induction furnace, infrared
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette