

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 300 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	08/08/91	Elevation:	436 metres
Map Ref.:	Sheet No. : 6628-26 1:10000	Rainfall:	No Data
Northing/Long.:	6151001 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	311935 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.5 m deep, Slightly porous, Schist

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	2 %	Aspect:	30 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy5.61
ASC Confidence:		Great Soil Group:	Gleyed podzolic soil
Confidence level not specified			

Site Disturbance: No effective disturbance. Natural

Vegetation: Low Strata - , , . *Species includes - Spyridium parvifolium
Mid Strata - Tree, 6.01-12m, . *Species includes - Acacia pycnantha
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus fastigata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (10YR5/3-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Field pH 6 (Raupach, 0.05); Many, very fine (0-1mm) roots; Clear change to -
A2	0.1 - 0.3 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Wet; Very weak consistence; Field pH 6 (Raupach, 0.2); Common, very fine (0-1mm) roots; Abrupt change to -
Bt	0.3 - 0.5 m	Brownish yellow (10YR6/6-Moist); , 10-20% , Distinct; Medium clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Field pH 6 (Raupach, 0.35); Few, very fine (0-1mm) roots; Clear change to -
Bt	0.5 - 0.7 m	Brownish yellow (10YR6/6-Moist); , 20-50% , Distinct; Medium clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Firm consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, dispersed strong, Quartz, coarse fragments; Field pH 6 (Raupach, 0.6); Few, very fine (0-1mm) roots; Clear change to -
Bt	0.7 - 1 m	White (10YR8/2-Moist); , 2-10% , Distinct; Medium clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Field pH 6 (Raupach, 0.9); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%

[illegible][illegible]

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Laboratory Analyses Completed for this profile