Project Name: **Warren Reservoir Catchment Survey**
Project Code: **WRN** **Site ID:** **261** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 29/07/91
Map Ref.: 1:10000
Northing/Long.: 6160650 AMG zone: 54
Easting/Lat.: 318440 Datum: AGD66
Locality:
Elevation: 465 metres
Rainfall: No Data
Runoff: Slow
Drainage: Imperfectly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.85 m deep,No Data

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10%
Morph. Type: Lower-slope
Elem. Type: Alcove
Slope: 5 %
Pattern Type: Hills
Relief: No Data
Slope Category: Very gently sloped
Aspect: 200 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:
Chromosol
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy3.81
Great Soil Group: Soloth

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Tall Strata - Tree, 20.01-35m, Isolated plants. *Species includes - Eucalyptus camaldulensis

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

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 5.5 (Raupach, 0.05); Many, very fine (0-1mm) roots;
A1	0.1 - 0.3 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 6 (Raupach, 0.2); Many, very fine (0-1mm) roots; Gradual change to -
A2	0.3 - 0.4 m	Greyish brown (10YR5/2-Moist); , 20-50% , Distinct; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Field pH 6 (Raupach, 0.3); Common, very fine (0-1mm) roots; Clear, Irregular change to -
Bt	0.4 - 0.5 m	Yellowish brown (10YR5/4-Moist); , 10-20% , Distinct; Medium heavy clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 5.5 (Raupach, 0.45); Few, very fine (0-1mm) roots; Clear change to -
BC	0.5 - 0.7 m	Greyish brown (10YR5/2-Moist); , 10-20% , Prominent; Medium heavy clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Field pH 5 (Raupach, 0.6); Few, very fine (0-1mm) roots; Clear change to -
C	0.7 - 0.85 m	White (10YR8/2-Moist); , 10-20% , Prominent; Sand; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 4 (Raupach, 0.8);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	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	15 Bar		
m		g/g - m3/m3							mm/h	mm/h

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Laboratory Analyses Completed for this profile