Project Name: **Warren Reservoir Catchment Survey**
Project Code: **WRN** **Site ID:** **278** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 05/08/91
Map Ref.: 1:10000
Northing/Long.: 6163830 AMG zone: 54
Easting/Lat.: 317620 Datum: AGD66
Locality:
Elevation: 495 metres
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.7 m deep,Porous, Quartzite

Land Form

Rel/Slope Class: Rolling low hills 30-90m 10-
Morph. Type: Simple-slope
Elem. Type: Hillslope
Slope: 8 %
Pattern Type: Hills
Relief: No Data
Slope Category: Moderately inclined
Aspect: 260 degrees

Surface Soil Condition (dry): Firm

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:
Chromosol
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy5.81
Great Soil Group: Yellow podzolic soil

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

Vegetation:

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A11	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Field pH 6 (Raupach, 0.05); Many, very fine (0-1mm) roots;
A12	0.1 - 0.3 m	Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Field pH 6 (Raupach, 0.2); Common, very fine (0-1mm) roots;
A12	0.3 - 0.5 m	Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; Field pH 7 (Raupach, 0.4); Common, very fine (0-1mm) roots; Clear change to -
A2	0.5 - 0.6 m	Light yellowish brown (10YR6/4-Moist); , 10-20% , Prominent; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, stratifiedstrong, Quartz, coarse fragments; Field pH 6.5 (Raupach, 0.55); Common, very fine (0-1mm) roots; Clear change to -
B	0.6 - 0.7 m	Brownish yellow (10YR6/6-Moist); ; Sandy clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Field pH 5.5 (Raupach, 0.65);
BC	0.7 - 1 m	Brownish yellow (10YR6/6-Moist); , 10-20% , Faint; Sand; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Field pH 5 (Raupach, 1);

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	Avail.	Total	Total	Total	Bulk	Particle Size Analysis				
		C	P	P	N	K	Density	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