Project Name: **Warren Reservoir Catchment Survey**
Project Code: **WRN** **Site ID:** **104** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 29/04/91
Map Ref.: 1:10000
Northing/Long.: 6153600 AMG zone: 54
Easting/Lat.: 311900 Datum: AGD66
Locality:
Elevation: 410 metres
Rainfall: No Data
Runoff: Slow
Drainage: Poorly drained

Geology

ExposureType: Undisturbed soil core
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Undisturbed soil core, 0.7 m deep,Porous, Schist

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%
Morph. Type: Open depression (vale)
Elem. Type: Drainage depression
Slope: 2 %
Pattern Type: Rises
Relief: No Data
Slope Category: Very gently sloped
Aspect: 360 degrees

Surface Soil Condition (dry): Soft

Erosion: Minor (sheet)

Soil Classification

Australian Soil Classification:
Sodosol
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dg4.42
Great Soil Group: Soloth

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

Vegetation:

Tall Strata - Tree, 20.01-35m, Mid-dense. *Species includes - Pinus radiata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark grey (10YR4/1-Moist); Grey (10YR6/1-Dry); , 7.5YR46, 0-2% , 0-5mm, Faint; Sandy loam; Single grain grade of structure; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence;
A1	0.1 - 0.2 m	Grey (10YR5/1-Moist); Light grey (10YR7/1-Dry); , 7.5YR46, 0-2% , 0-5mm, Distinct; Loamy sand; Massive grade of structure; Common (1-5 per 100mm2) macropores, Moderately moist; Weak consistence; Clear, Smooth change to -
A21	0.2 - 0.3 m	Light grey (10YR7/1-Moist); White (10YR8/1-Dry); , 0-0% ; Loamy sand; Weak grade of structure; Moist; Firm consistence;
A22	0.3 - 0.35 m	Light grey (10YR7/2-Moist); White (10YR8/2-Dry); , 0-0% ; Loamy sand; Moderate grade of structure; Many (>5 per 100mm2) macropores, Very firm consistence;
A23	0.35 - 0.4 m	Light grey (10YR7/2-Moist); White (10YR8/2-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Strong consistence; Abrupt, Smooth change to -
Bt	0.4 - 0.5 m	Light grey (10YR7/2-Moist); Light grey (10YR7/2-Dry); , 10YR66, 20-50% , 5-15mm, Distinct; Light clay; Single grain grade of structure; Loose consistence; Clear, Smooth change to -
Bc	0.5 - 0.7 m	Light grey (10YR7/2-Moist); Light grey (10YR7/2-Dry); , 10YR68, 20-50% , 5-15mm, Prominent; , 10R46; Sandy clay loam; Single grain grade of structure; Loose consistence;

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