Project Name: **Warren Reservoir Catchment Survey**
Project Code: **WRN** **Site ID:** **102** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: I. Hollingsworth
Date Desc.: 23/04/91
Map Ref.: 1:10000
Northing/Long.: 6155205 AMG zone: 54
Easting/Lat.: 312360 Datum: AGD66
Locality:
Elevation: 394 metres
Rainfall: No Data
Runoff: Very 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, 1 m deep,Porous, Clay

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10%
Morph. Type: Flat
Elem. Type: Valley flat
Slope: 1 %
Pattern Type: Hills
Relief: No Data
Slope Category: Very gently sloped
Aspect: 340 degrees

Surface Soil Condition (dry): Soft

Erosion: Minor (sheet)

Soil Classification

Australian Soil Classification:
Hydrosol
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy5.82
Great Soil Group: Yellow podzolic soil

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

O1	0 - 0.02 m	Organic Layer; White (10YR8/1-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; Non-plastic; Non-sticky; Field pH 7 (Raupach); Abundant, very fine (0-1mm) roots; Sharp, Smooth change to -
A1	0.02 - 0.1 m	Greyish brown (10YR5/2-Moist); Light grey (10YR7/1-Dry); , 0-0% ; Loamy sand; Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Loose consistence; Non-plastic; Non-sticky; Field pH 7 (Raupach); Common, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.1 - 0.5 m	Light brownish grey (10YR6/2-Moist); Light grey (2.5Y7/2-Dry); , 10YR76, 10-20% , 5-15mm, Distinct; Sandy loam; Weak grade of structure; Moist; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; 0-2%, medium gravelly, 6-20mm, rounded, dispersedstrong, Ironstone, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Abrupt, Wavy change to -
B1	0.5 - 0.7 m	Yellowish brown (10YR5/8-Moist); Light grey (2.5Y7/2-Dry); , 10YR71, 20-50% , 5-15mm, Distinct; Sandy clay loam; Single grain grade of structure; Wet; Loose consistence; Moderately plastic; Normal plasticity; Slightly sticky; 2-10%, medium gravelly, 6-20mm, angular, dispersedstrong, Quartz, coarse fragments; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Clear change to -
Bt	0.7 - 1 m	Yellowish brown (10YR5/4-Moist); , 2.5Y62, 20-50% , 5-15mm, Distinct; Light clay; Single grain grade of structure; Moist; Loose consistence; Very plastic; Normal plasticity; Moderately sticky; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 102 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

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

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 102 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Laboratory Analyses Completed for this profile