

**Project Name:** Warren Reservoir Catchment Survey  
**Project Code:** WRN      **Site ID:** 406      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	I. Hollingsworth	<b>Locality:</b>	
<b>Date Desc.:</b>	12/03/92	<b>Elevation:</b>	442 metres
<b>Map Ref.:</b>	1:10000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6154510 AMG zone: 54	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	318670 Datum: AGD66	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Auger boring, 1.5 m deep,Porous, Schist

**Land Form**

<b>Rel/Slope Class:</b>	Undulating low hills 30-90m 3-10%	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	310 degrees

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Chromosol		<b>Principal Profile Form:</b>	Dy3.81
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Lateritic podzolic soil
Confidence level not specified			

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

**Vegetation:**

Tall Strata - Tree, 20.01-35m, Closed or dense. \*Species includes - Pinus radiata

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.2 m	Brown (10YR4/3-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; Field pH 5.5 (Raupach, 0.1); Common, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.2 - 0.3 m	Light grey (10YR7/2-Moist); , 0-0% ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Field pH 5.5 (Raupach, 0.25); Common, fine (1-2mm) roots; Sharp, Smooth change to -
Bt	0.3 - m	Yellowish brown (10YR5/8-Moist); , 2-10% , Distinct; Medium clay; Massive grade of structure; Rough-ped fabric; Moderately moist; Very firm consistence; 20-50%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Many cutans, >50% of ped faces or walls coated, distinct; Field pH 6 (Raupach, 0.3); Few, fine (1-2mm) roots;

**Morphological Notes**

**Observation Notes**

**Site Notes**

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Laboratory Test Results:

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

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

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Laboratory Analyses Completed for this profile