

**Project Name:** Warren Reservoir Catchment Survey  
**Project Code:** WRN **Site ID:** 289 **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>	06/08/91	<b>Elevation:</b>	442 metres
<b>Map Ref.:</b>	Sheet No. : 6628-26 1:10000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6152550 AMG zone: 54	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	311825 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

#### 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, 0.5 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>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Moderately inclined
<b>Slope:</b>	9 %	<b>Aspect:</b>	90 degrees

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

**Erosion:** Stable, Minor (sheet)

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Chromosol		<b>Principal Profile Form:</b>	Dy5.81
<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, 3.01-6m, Closed or dense. \*Species includes - Pinus radiata

**Surface Coarse Fragments:** 2-10%, coarse gravelly, 20-60mm, subrounded, Schist

#### Profile Morphology

A1	0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersedmoderately strong, Schist, coarse fragments; Field pH 5.5 (Raupach, 0.05); Many, very fine (0-1mm) roots; Abrupt change to -
A2	0.05 - 0.1 m	Very pale brown (10YR7/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersedmoderately strong, Schist, coarse fragments; Field pH 5.5 (Raupach, 0.07); Common, very fine (0-1mm) roots;
A2	0.1 - 0.2 m	Very pale brown (10YR7/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersedmoderately strong, Schist, coarse fragments; Field pH 5.5 (Raupach, 0.19); Common, very fine (0-1mm) roots; Abrupt change to -
B1	0.2 - 0.3 m	Reddish yellow (7.5YR6/6-Moist); , 2-10% , Distinct; Medium clay; Massive grade of structure; Rough-ped fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Field pH 5.5 (Raupach, 0.25); Few, very fine (0-1mm) roots;
Bt	0.3 - 0.5 m	Red (2.5YR4/6-Moist); , 2-10% , Distinct; Medium heavy clay; Massive grade of structure; Rough-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Firm consistence; Field pH 6 (Raupach, 0.4); Few, very fine (0-1mm) roots;
C	0.5 - 0.8 m	Brownish yellow (10YR6/8-Moist); , 2-10% , Distinct; Clay loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very firm consistence; Field pH 6 (Raupach, 0.6);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Analyses Completed for this profile