

**Project Name:** Warren Reservoir Catchment Survey  
**Project Code:** WRN      **Site ID:** 032      **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>	16/11/90	<b>Elevation:</b>	423 metres
<b>Map Ref.:</b>	1:10000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6154610 AMG zone: 54	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	316200 Datum: AGD66	<b>Drainage:</b>	Poorly 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, 1.5 m deep,Porous, Clay

**Land Form**

<b>Rel/Slope Class:</b>	Undulating plains <9m 3-10%	<b>Pattern Type:</b>	Peneplain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	5 metres
<b>Elem. Type:</b>	Drainage depression	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	60 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Sodosol		<b>Principal Profile Form:</b>	Dy5.43
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solodic soil
Confidence level not specified			

**Site Disturbance:** No effective disturbance. Natural

**Vegetation:**

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Pinus radiata, Eucalyptus camaldulensis

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

**Profile Morphology**

O	0 - 0.04 m	Organic Layer; Very dark grey (10YR3/1-Moist); , 0-0% ; Single grain grade of structure; Loose consistence; Sharp, Smooth change to -
A1	0.04 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist; Loose consistence; Abrupt, Smooth change to -
A2	0.1 - 0.25 m	Very pale brown (10YR7/4-Moist); White (10YR8/1-Dry); , 10YR66, 10-20% , 5-15mm, Distinct; Clayey sand; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -
Bt	0.25 - 0.4 m	Light yellowish brown (10YR6/4-Moist); , 10YR66, 0-2% , 5-15mm, Distinct; Sandy clay; Single grain grade of structure; Wet; Loose consistence; Abrupt, Smooth change to -
Bt	0.4 - 1 m	Yellowish brown (10YR5/8-Moist); , 10YR62, 20-50% , 5-15mm, Distinct; Heavy clay; Single grain grade of structure; Loose consistence; Diffuse, Smooth change to -
Bt	1 - 1.5 m	Yellowish brown (10YR5/8-Moist); , 10YR62, 20-50% , 5-15mm, Distinct; Sandy clay; 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
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