

**Project Name:** Warren Reservoir Catchment Survey  
**Project Code:** WRN **Site ID:** 031 **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>	15/11/90	<b>Elevation:</b>	509 metres
<b>Map Ref.:</b>	1:10000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6153720 AMG zone: 54	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	319765 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>	Rolling low hills 30-90m 10-	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Open depression (vale)	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Drainage depression	<b>Slope Category:</b>	Moderately inclined
<b>Slope:</b>	18 %	<b>Aspect:</b>	250 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Chromosol		<b>Principal Profile Form:</b>	Dd4.11
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Gleyed podzolic soil
Confidence level not specified			

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:**

Tall Strata - Tree, 12.01-20m, Closed or dense. \*Species includes - Pinus radiata

**Surface Coarse Fragments:** 0-2%, stony, 200-600mm, angular, Quartz

**Profile Morphology**

O	0 - 0.05 m	Organic Layer; , 0-0% ; Single grain grade of structure; Dry; Loose consistence; Sharp, Smooth change to -
A	0.05 - 0.4 m	Black (5YR2/1-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Moderately moist; Loose consistence; Gradual, Smooth change to -
Btg	0.4 - 0.7 m	Very dark grey (5YR3/1-Moist); , 0-0% ; Medium clay; Single grain grade of structure; Moist; Loose consistence; Gradual, Smooth change to -
Btg	0.7 - 1 m	Very dark grey (5YR3/1-Moist); , 5YR46, 2-10% , 5-15mm, Distinct; Heavy clay; Single grain grade of structure; Wet; Loose consistence; Gradual, Smooth change to -
BCg	1 - 1.5 m	Very dark grey (5YR3/1-Moist); , 5YR58, 10-20% , 15-30mm, Distinct; Heavy 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