

**Project Name:** Warren Reservoir Catchment Survey  
**Project Code:** WRN **Site ID:** 116 **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>	29/04/91	<b>Elevation:</b>	484 metres
<b>Map Ref.:</b>	1:10000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6151570 AMG zone: 54	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	316110 Datum: AGD66	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Undisturbed soil core	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Undisturbed soil core, 0.9 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>	Open depression (vale)	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Drainage depression	<b>Slope Category:</b>	Moderately inclined
<b>Slope:</b>	15 %	<b>Aspect:</b>	270 degrees

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

**Erosion:** Minor (sheet)

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Rudsol		<b>Principal Profile Form:</b>	Uc4.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Alluvial soil
Confidence level not specified			

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Closed or dense. \*Species includes - Phalaris aquatica

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

**Profile Morphology**

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); Light brownish grey (10YR6/2-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Loose consistence;
A1	0.1 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); Light brownish grey (10YR6/2-Dry); , 0-0% ; Sandy loam; Massive grade of structure; Moderately moist; Weak consistence; Clear, Smooth change to -
A2	0.2 - 0.3 m	Dark greyish brown (2.5Y4/2-Moist); Light brownish grey (2.5Y6/2-Dry); , 0-0% ; Sandy loam; Weak grade of structure; Moist; Loose consistence;
A2	0.3 - 0.5 m	Dark greyish brown (2.5Y4/2-Moist); Light brownish grey (2.5Y6/2-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Wet; Loose consistence;
A2	0.5 - 0.6 m	Dark greyish brown (2.5Y4/2-Moist); Greyish brown (2.5Y5/2-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Clear, Irregular change to -
Bw	0.6 - 0.9 m	Olive brown (2.5Y4/4-Moist); Light yellowish brown (2.5Y6/4-Dry); , 7.5YR58, 2-10% , 5-15mm, Distinct; Sandy loam; Single grain grade of structure; Loose consistence;
Cr	0.9 - m	; 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 C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
										%	

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

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Laboratory Analyses Completed for this profile