

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 005 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	13/11/90	Elevation:	485 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6150490 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	315900 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.5 m deep, Slightly porous, Schist

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	140 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy5.22
ASC Confidence:		Great Soil Group:	Yellow podzolic soil
Confidence level not specified			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Acacia pycnantha
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus leucoxylon

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, angular tabular, Quartzite

Profile Morphology

A1	0 - 0.13 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Abrupt, Smooth change to -
A2	0.13 - 0.2 m	Greyish brown (10YR5/2-Moist); Light brownish grey (10YR6/2-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Clear, Smooth change to -
AB	0.2 - 0.25 m	Greyish brown (10YR5/2-Moist); , 2.5YR36, 10-20% , 5-15mm, Distinct; Sandy loam; Single grain grade of structure; Loose consistence; Clear, Smooth change to -
Bt	0.25 - 1 m	Brown (10YR5/3-Moist); , 2.5YR36, 10-20% , 5-15mm, Distinct; Medium clay; Single grain grade of structure; Loose consistence; Clear, Irregular change to -
BC	1 - 1.3 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR36, 10-20% , 5-15mm, Distinct; Medium clay; Single grain grade of structure; Loose consistence; Gradual, Irregular change to -
C	1.3 - 1.5 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Loose consistence;

Morphological Notes

Observation 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	15 Bar		
m					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile