

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 014 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	14/11/90	Elevation:	440 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6151730 AMG zone: 54	Runoff:	Rapid
Easting/Lat.:	315520 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 2 m deep, Slightly porous, Schist

Land Form

Rel/Slope Class:	Rolling rises 9-30m 10-32%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Moderately inclined
Slope:	15 %	Aspect:	270 degrees

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hydrosol		Principal Profile Form:	Dy4.21
ASC Confidence:		Great Soil Group:	Gleyed podzolic soil
Confidence level not specified			

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Acacia mearnsii

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus leucoxylon, Eucalyptus obliqua

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Dry; Loose consistence; Sharp, Smooth change to -
A2	0.05 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Clear, Smooth change to -
AB	0.2 - 0.3 m	Brown (10YR5/3-Moist); , 5YR46, 10-20% , 5-15mm, Distinct; Sandy clay loam; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -
Bt	0.3 - 0.6 m	Light grey (10YR7/2-Moist); , 10YR58, 10-20% , 5-15mm, Distinct; Sandy clay; Single grain grade of structure; Wet; Loose consistence; Abrupt, Smooth change to -
Bt	0.6 - 0.7 m	Grey (5YR5/1-Moist); , 2.5YR36, 10-20% , 5-15mm, Distinct; , 10YR56; Heavy clay; Single grain grade of structure; Loose consistence; Abrupt, Smooth change to -
BC	0.7 - 1.2 m	Grey (10YR6/1-Moist); , 10YR66, 2-10% , 5-15mm, Distinct; Loamy sand; Single grain grade of structure; Loose consistence; Gradual, Smooth change to -
C	1.2 - 1.5 m	Grey (10YR6/1-Moist); , 10YR86, 20-50% , 5-15mm, Distinct; 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