

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 063 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	11/12/90	Elevation:	420 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6155025 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	314865 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.25 m deep, Porous, Schist

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	350 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hydrosol		Principal Profile Form:	Dy5.41
ASC Confidence:		Great Soil Group:	Soloth
Confidence level not specified			

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); Pinkish grey (7.5YR6/2-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Loose consistence; Abrupt, Smooth change to -
A2	0.1 - 0.3 m	Light grey (10YR7/2-Moist); White (5YR8/1-Dry); , 10YR68, 2-10% , 0-5mm, Faint; Loamy sand; Massive grade of structure; Moderately moist; Loose consistence; Sharp, Smooth change to -
Bt	0.3 - 0.5 m	Light grey (10YR7/2-Moist); White (5YR8/1-Dry); , 10YR66, 10-20% , 5-15mm, Distinct; Medium clay; Single grain grade of structure; Moist; Loose consistence; Sharp, Smooth change to -
Bt	0.5 - 0.8 m	Strong brown (7.5YR5/8-Moist); Strong brown (7.5YR5/8-Dry); , 2.5YR48, 10-20% , 5-15mm, Distinct; , 10YR72; Medium clay; Single grain grade of structure; Wet; Loose consistence; Abrupt, Smooth change to -
BC	0.8 - 0.9 m	Light grey (5YR7/1-Moist); White (5YR8/1-Dry); , 7.5YR58, 2-10% , 5-15mm, Distinct; , 2.5YR48; Sandy clay; Single grain grade of structure; Loose consistence; Clear, Smooth change to -
2Bt	0.9 - 1 m	Brownish yellow (10YR6/6-Moist); Brownish yellow (10YR6/6-Dry); , 2.5YR48, 10-20% , 15-30mm, Distinct; Single grain grade of structure; Loose consistence; Sharp, Smooth change to -
Cr	1 - 1.25 m	Light grey (10YR7/2-Moist); White (10YR8/1-Dry); , 7.5YR58, 10-20% , 15-30mm, Prominent; 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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile