

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 048 **Observation ID:** 2
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	28/11/90	Elevation:	424 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6157390 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	319760 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 3 m deep,Porous, Clay

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Peneplain
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Drainage depression	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	270 degrees

Surface Soil Condition (dry):

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:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

O	0 - 0.03 m	Organic Layer; , 0-0% ; Single grain grade of structure; Dry; Loose consistence; Abrupt, Smooth change to -
A1	0.03 - 0.5 m	Greyish brown (10YR5/2-Moist); White (10YR8/2-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Clear, Smooth change to -
A2	0.5 - 1 m	Brownish yellow (10YR6/6-Moist); Very pale brown (10YR7/4-Dry); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose consistence; Gradual, Smooth change to -
Bt	1 - 1.3 m	Light grey (10YR7/1-Moist); , 7.5YR58, 10-20% , 5-15mm, Distinct; , 5YR58; Sandy clay; Single grain grade of structure; Wet; Loose consistence; Gradual, Smooth change to -
Bt	1.3 - 1.5 m	Light grey (2.5Y7/0-Moist); , 10R48, 10-20% , 5-15mm, Distinct; , 7.5YR58; Light clay; Single grain grade of structure; Loose consistence;

Morphological Notes

Observation Notes

Site Notes

A1414

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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 GV	CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile