

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 041 **Observation ID:** 2
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	29/11/90	Elevation:	419 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6158060 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	319120 Datum: AGD66	Drainage:	Poorly 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:	Level plain <9m <1%	Pattern Type:	Peneplain
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Valley flat	Slope Category:	Level
Slope:	0.5 %	Aspect:	30 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodosol		Principal Profile Form:	Dy3.43
ASC Confidence:		Great Soil Group:	Solodized solonetz
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.25 m	Very dark greyish brown (10YR3/2-Moist); , 7.5YR34, 0-2% , 0-5mm, Distinct; Sandy loam; Single grain grade of structure; Dry; Loose consistence; Clear, Smooth change to -
A2	0.25 - 0.6 m	Light yellowish brown (10YR6/4-Moist); White (10YR8/2-Dry); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Sharp, Tongued change to -
B1	0.6 - 0.7 m	Yellowish brown (10YR5/4-Moist); , 10YR58, 2-10% , 5-15mm, Distinct; Sandy clay; Single grain grade of structure; Moist; Loose consistence; Gradual, Smooth change to -
B21	0.7 - 1.4 m	Brownish yellow (10YR6/8-Moist); , 7.5YR56, 10-20% , 15-30mm, Distinct; Sandy clay; Single grain grade of structure; Wet; Loose consistence; Clear, Smooth change to -
B22	1.4 - 1.5 m	Light grey (10YR7/2-Moist); , 7.5YR58, 10-20% , 15-30mm, Distinct; Fine sandy clay; 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