

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 038 **Observation ID:** 2
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	26/11/90	Elevation:	423 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6158210 AMG zone: 54	Runoff:	Moderately rapid
Easting/Lat.:	318980 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, 1.2 m deep, Porous, Sandstone

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Very gently sloped
Slope:	5 %	Aspect:	180 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy5.71
ASC Confidence:		Great Soil Group:	Soloth
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Reddish black (10R2/1-Moist); ; Single grain grade of structure; Dry; Loose consistence; Non-plastic; Non-sticky; Field pH 5.5 (Raupach); Clear change to -
A12	0.1 - 0.2 m	Dark brown (7.5YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6.5 (Raupach); Gradual change to -
A2	0.2 - 0.4 m	Yellowish brown (10YR5/4-Moist); Very pale brown (10YR7/3-Dry); , 5YR58, 0-2% , 0-5mm, Distinct; Loamy sand; Single grain grade of structure; Moist; Loose consistence; Non-plastic; Non-sticky; Field pH 7.5 (Raupach); Clear change to -
B1	0.4 - 0.5 m	Yellowish brown (10YR5/6-Moist); , 7.5YR58, 0-2% , 15-30mm, Distinct; Light clay; Single grain grade of structure; Wet; Loose consistence; Non-plastic; Non-sticky; Field pH 7 (Raupach); Clear change to -
B2	0.5 - 1.2 m	Light yellowish brown (2.5Y6/4-Moist); , 2.5YR36, 20-50% , 15-30mm, Distinct; , 7.5YR58; Medium clay; Single grain grade of structure; Loose consistence; Non-plastic; Non-sticky; Field pH 7 (Raupach); Clear change to -
C	1.2 - 1.5 m	White (7.5YR8/0-Moist); , 2.5YR36, 20-50% , 15-30mm, Distinct; , 7.5YR58; Sandy clay; Single grain grade of structure; Loose consistence; Non-plastic; Non-sticky; Field pH 4 (Raupach); Clear change to -

Morphological Notes

Observation Notes

Site Notes

A1413

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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