

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 012 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	14/11/90	Elevation:	432 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6151720 AMG zone: 54	Runoff:	Moderately rapid
Easting/Lat.:	315120 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1 m deep, No Data

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	180 degrees

Surface Soil Condition (dry): Recently cultivated

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Chromosol		Principal Profile Form:	Dy5.12
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
Confidence level not specified			

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.3 m	Brown (7.5YR5/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Dry; Loose consistence; Clear, Smooth change to -
Bt	0.3 - 0.8 m	Strong brown (7.5YR5/8-Moist); , 2.5YR48, 10-20% , 5-15mm, Distinct; Heavy clay; Single grain grade of structure; Loose consistence; Diffuse, Smooth change to -
BC	0.8 - 1.2 m	White (5YR8/1-Moist); , 7.5YR58, 10-20% , 5-15mm, Distinct; , 2.5YR48; Medium heavy clay; Single grain grade of structure; Moist; Loose consistence; Gradual, Smooth change to -
C	1.2 - m	Strong brown (7.5YR5/8-Moist); , 2.5YR48, 10-20% , 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