

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 026 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	15/11/90	Elevation:	416 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6151210 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	313485 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.5 m deep,Porous, Clay

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	2 metres
Elem. Type:	No Data	Slope Category:	Level
Slope:	1 %	Aspect:	20 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

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

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Sod grass, <0.25m, Closed or dense. *Species includes - Hordeum marinum
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

O	0 - 0.04 m	Organic Layer; Dark brown (7.5YR3/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Sharp, Smooth change to -
A1	0.04 - 0.2 m	Brown (7.5YR4/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Gradual, Smooth change to -
A2	0.2 - 0.5 m	Light reddish brown (2.5YR6/4-Moist); White (10YR8/1-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Abrupt, Smooth change to -
AB	0.5 - 0.7 m	Brownish yellow (10YR6/8-Moist); , 10YR36, 10-20% , 5-15mm, Distinct; Light clay; Single grain grade of structure; Loose consistence; Clear, Smooth change to -
Bt	0.7 - 1.2 m	Yellowish brown (10YR5/8-Moist); , 10YR62, 10-20% , 5-15mm, Distinct; , 5YR58; Light medium clay; Single grain grade of structure; Loose consistence; Clear, Smooth change to -
Bt	1.2 - 1.5 m	Yellowish brown (10YR5/4-Moist); , 10YR58, 10-20% , 5-15mm, Distinct; 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 C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
										%	

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