

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 112 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	23/04/91	Elevation:	417 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6159220 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	315570 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, 2 m deep, Porous, Sand

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Peneplain
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0.5 %	Aspect:	110 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Rudosol		Principal Profile Form:	Um4.23
ASC Confidence:		Great Soil Group:	Alluvial soil
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 - Phalaris aquatica
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

O1	0 - 0.05 m	Organic Layer; ; Single grain grade of structure; Fine, (0 - 5) mm crack; Dry; Loose consistence; Sharp, Smooth change to -
A1	0.05 - 0.1 m	Brown (7.5YR4/2-Moist); Brown (7.5YR5/2-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Moderately moist; Loose consistence;
A1	0.1 - 0.3 m	Brown (7.5YR4/2-Moist); Pinkish grey (7.5YR6/2-Dry); , 0-0% ; Sandy loam; Weak grade of structure; Moist; Firm consistence;
A2	0.3 - 0.5 m	Brown (7.5YR4/2-Moist); Pinkish grey (7.5YR6/2-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Very firm consistence; Clear, Smooth change to -
B2	0.5 - 1 m	Brownish yellow (10YR6/6-Moist); Very pale brown (10YR8/3-Dry); , 10YR56, 2-10% , 5-15mm, Faint; , 10YR52; Loamy sand; 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