

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 234 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	23/07/91	Elevation:	464 metres
Map Ref.:	Sheet No. : 6628-16 1:10000	Rainfall:	No Data
Northing/Long.:	6161440 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	314620 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 0.6 m deep,Sand

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Alcove	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	30 degrees

Surface Soil Condition (dry): Firm

Erosion: Stable, No gully erosion (gully)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Rudisol		Principal Profile Form:	Uc1.41
ASC Confidence:		Great Soil Group:	Alluvial soil
Confidence level not specified			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, rounded, Schist

Profile Morphology

A11	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Sandy clay loam; Moderate grade of structure, Granular; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Field pH 5.5 (Raupach, 0.05); Many, very fine (0-1mm) roots; Clear change to -
A12	0.1 - 0.3 m	Dark greyish brown (10YR4/2-Moist); , 2-10% , Distinct; Sandy clay loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Very weak consistence; Field pH 5.5 (Raupach, 0.2); Common, very fine (0-1mm) roots; Gradual change to -
A21	0.3 - 0.5 m	Brown (10YR5/3-Moist); , 2-10% , Faint; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Very weak consistence; Field pH 6 (Raupach, 0.4); Common, very fine (0-1mm) roots; Clear change to -
A22	0.5 - 0.65 m	Yellowish brown (10YR5/4-Moist); , 2-10% , Faint; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Very weak consistence; Field pH 6 (Raupach, 0.65); Few, very fine (0-1mm) roots; Clear change to -
2A1	0.65 - 0.75 m	Dark grey (10YR4/1-Moist); , 10-20% , Distinct; Sandy clay loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Weak consistence; Field pH 6 (Raupach, 0.7); Few, very fine (0-1mm) roots; Clear change to -
2A1	0.75 - 1 m	Very pale brown (10YR7/3-Moist); , 2-10% , Distinct; Sand; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Weak consistence; Field pH 6 (Raupach, 0.9);

Morphological Notes

Observation Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%

[illegible]

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