

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 245 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	25/07/91	Elevation:	475 metres
Map Ref.:	Sheet No. : 6728-16 1:10000	Rainfall:	No Data
Northing/Long.:	6161540 AMG zone: 54	Runoff:	Moderately rapid
Easting/Lat.:	314900 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Alcove	Slope Category:	Moderately inclined
Slope:	14 %	Aspect:	140 degrees

Surface Soil Condition (dry): Firm

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Hydrosol	Principal Profile Form:	Um1.44
ASC Confidence:	Great Soil Group:	Alluvial soil
Confidence level not specified		

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

Vegetation:

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: 0-2%, stony, 200-600mm, angular, Quartz

Profile Morphology

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Silty 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, 0.05); Abundant, very fine (0-1mm) roots;
A1	0.1 - 0.3 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Silty 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, 0.25); Abundant, very fine (0-1mm) roots; Gradual change to -
ABg	0.3 - 0.5 m	Very dark greyish brown (10YR3/2-Moist); , 0-2% , Faint; Silty loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Weak consistence; Field pH 6.5 (Raupach, 0.4); Many, very fine (0-1mm) roots; Gradual change to -
Bwg	0.5 - 0.6 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Weak consistence; Field pH 6.5 (Raupach, 0.58); Common, very fine (0-1mm) roots;

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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile