

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 086 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	18/12/90	Elevation:	485 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6154005 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	319545 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, 0.3 m deep,Porous, Quartzite

Land Form

Rel/Slope Class:	Rolling low hills 30-90m 10-	Pattern Type:	Hills
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	Moderately inclined
Slope:	0 %	Aspect:	280 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Rudosol		Principal Profile Form:	Uc5.31
ASC Confidence:		Great Soil Group:	Siliceous sand
Confidence level not specified			

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

Vegetation:

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); Brown (7.5YR5/4-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Loose consistence; Clear, Smooth change to -
A12	0.1 - 0.2 m	Dark reddish brown (5YR3/3-Moist); Brown (7.5YR5/4-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Weak consistence; Clear, Smooth change to -
A13	0.2 - 0.3 m	Dark reddish brown (5YR3/3-Moist); Brown (7.5YR5/4-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -

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