

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 081 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	18/12/90	Elevation:	456 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6154020 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	318730 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, 0.5 m deep, Porous, Sandstone

Land Form

Rel/Slope Class:	Rolling hills 90-300m 10-32%	Pattern Type:	Hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	10 %	Aspect:	310 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Rudosol		Principal Profile Form:	Uc3.12
ASC Confidence:		Great Soil Group:	Lithosol
Confidence level not specified			

Site Disturbance: No effective disturbance. Natural

Vegetation:

Mid Strata - Shrub, 1.01-3m, Sparse. *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus leucoxylon

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); Light grey (10YR7/2-Dry); , 0-0% ; Loamy sand; Massive grade of structure; Moderately moist; Loose consistence; Diffuse, Smooth change to -
A1	0.1 - 0.15 m	Very dark grey (10YR3/1-Moist); Grey (10YR5/1-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -
A2	0.15 - 0.25 m	Dark greyish brown (10YR4/2-Moist); Light grey (10YR7/2-Dry); , 0-0% ; Loamy sand; Weak grade of structure; Moist; Loose consistence; Clear, Smooth change to -
A2	0.25 - 0.35 m	Dark greyish brown (10YR4/2-Moist); Light brownish grey (10YR6/2-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Wet; Loose consistence; Clear, Smooth change to -
A2	0.35 - 0.45 m	Brown (10YR4/3-Moist); Light yellowish brown (10YR6/4-Dry); , 2.5YR36, 0-2% , 0-5mm, Prominent; Loamy sand; Single grain grade of structure; Loose consistence; Diffuse, Smooth change to -
Bw	0.45 - 0.5 m	Light yellowish brown (10YR6/4-Moist); Very pale brown (10YR7/3-Dry); , 5YR58, 20-50% , 15-30mm, Prominent; Single grain grade of structure; Loose consistence;
	0.45 - 0.5 m	; Clayey sand; Single grain grade of structure; Loose consistence;
	0.5 - 0.6 m	; Loamy sand; Single grain grade of structure; Loose consistence;
	0.6 - 0.7 m	; Sand; Single grain grade of structure; Loose consistence;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

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Laboratory Analyses Completed for this profile