

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 106 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	25/04/91	Elevation:	427 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6157310 AMG zone: 54	Runoff:	Slow
Easting/Lat.:	320040 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, 0.5 m deep, Porous, Schist

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Gently inclined
Slope:	1 %	Aspect:	300 degrees

Surface Soil Condition (dry): Firm

Erosion: Minor (sheet)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodosol		Principal Profile Form:	Dy5.41
ASC Confidence:		Great Soil Group:	Soloth
Confidence level not specified			

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Sedge, 0.51-1m, Very sparse. *Species includes - None recorded
Mid Strata - Shrub, 1.01-3m, Isolated plants. *Species includes - Xanthorrhoea species
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus camaldulensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Greyish brown (10YR5/2-Moist); Grey (10YR6/1-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; Very weak consistence; Non-plastic; Non-sticky; Field pH 7 (Raupach); ManyClear, Smooth change to -
A21	0.1 - 0.3 m	Pale brown (10YR6/3-Moist); White (10YR8/1-Dry); , 0-0% ; Loamy sand; Massive grade of structure; Moderately moist; Weak consistence; Non-plastic; Non-sticky; Field pH 7 (Raupach); CommonClear, Smooth change to -
A22	0.3 - 0.4 m	Light yellowish brown (10YR6/4-Moist); White (10YR8/2-Dry); , 0-0% ; Loamy sand; Weak grade of structure; Moist; Firm consistence; Non-plastic; Non-sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersedstrong, Quartz, coarse fragments; Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Clear, Smooth change to -
AB	0.4 - 0.45 m	Light grey (10YR7/2-Moist); White (10YR8/2-Dry); , 10YR65, 20-50% , 5-15mm, Distinct; , 5YR46; Sandy clay loam; Single grain grade of structure; Wet; Very firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; 0-2%, fine gravelly, 2-6mm, rounded, dispersedstrong, Ironstone, coarse fragments; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots; Sharp, Tongued change to -
Bt	0.45 - 0.5 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR7/4-Dry); , 7.5YR68, 10-20% , 5-15mm, Distinct; , 10YR78; Light clay; Single grain grade of structure; Strong consistence; Moderately plastic; Subplastic; Moderately sticky; 0-2%, fine gravelly, 2-6mm, rounded, dispersedstrong, Ironstone, coarse fragments; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Clear, Wavy change to -
C	0.5 - 0.55 m	Brownish yellow (10YR6/6-Moist); Brownish yellow (10YR6/6-Dry); , 10YR68, 20-50% , 5-15mm, Distinct; , 5YR58; Sandy loam; Single grain grade of structure; Slightly plastic; Normal plasticity; Slightly sticky; 0-2%, fine gravelly, 2-6mm, rounded, dispersedstrong, Ironstone, coarse fragments; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN Site ID: 106 Observation ID: 1
Agency Name: CSIRO Division of Soils (SA)

Site Notes

Project Name: Warren Reservoir Catchment Survey

Project Code: WRN

Agency Name: CSIRO Division of Soils (SA)

Site ID: 106

Observation ID: 1

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

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN Site ID: 106 Observation ID: 1
Agency Name: CSIRO Division of Soils (SA)

Laboratory Analyses Completed for this profile