

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 033 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	16/11/90	Elevation:	420 metres
Map Ref.:	1:10000	Rainfall:	No Data
Northing/Long.:	6155100 AMG zone: 54	Runoff:	Very slow
Easting/Lat.:	316970 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.5 m deep,Porous, Clay

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Peneplain
Morph. Type:	Open depression (vale)	Relief:	5 metres
Elem. Type:	Drainage depression	Slope Category:	Level
Slope:	1 %	Aspect:	330 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodosol		Principal Profile Form:	Dy5.43
ASC Confidence:		Great Soil Group:	Solodic soil
Confidence level not specified			

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

Vegetation: Low Strata - Sedge, 0.26-0.5m, Mid-dense. *Species includes - None recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

O	0 - 0.05 m	Organic Layer; , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Sharp, Smooth change to -
A1	0.05 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Loose consistence; Abrupt, Smooth change to -
A2	0.15 - 0.25 m	Yellowish brown (10YR5/4-Moist); Very pale brown (10YR7/3-Dry); , 0-0% ; Sandy loam; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -
Bt	0.25 - 0.4 m	Greyish brown (10YR5/2-Moist); , 10YR58, 2-10% , 5-15mm, Distinct; Sandy clay; Single grain grade of structure; Wet; Loose consistence; Abrupt, Smooth change to -
Bt	0.4 - 0.7 m	Greyish brown (10YR5/2-Moist); , 10YR58, 20-50% , 5-15mm, Distinct; Heavy clay; Single grain grade of structure; Loose consistence; Diffuse, Smooth change to -
Bt	0.7 - 1.1 m	Light grey (10YR7/1-Moist); , 10YR58, 2-10% , 5-15mm, Distinct; Single grain grade of structure; Loose consistence; Diffuse, Smooth change to -
Btb	1.1 - 1.5 m	, 0-0% ; 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	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%

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

[illegible]

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Laboratory Analyses Completed for this profile