Project Name: Warren Reservoir Catchment Survey

Project Code: WRN Site ID: 316 Observation ID: 1

Agency Name: CSIRO Division of Soils (SA)

**Site Information** 

Desc. By: I. Hollingsworth Locality:

Date Desc.: Elevation: 09/08/91 419 metres Map Ref.: 1:10000 Rainfall: No Data Northing/Long.: 6159480 AMG zone: 54 Runoff: Very slow Easting/Lat.: 315170 Datum: AGD66 Drainage: Poorly drained

**Geology** 

ExposureType: Auger boring Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: No Data Substrate Material: 3 m deep,No Data

**Land Form** 

Rel/Slope Class: Gently undulating plains <9m Pattern Type: Plain

1-3%

Morph. Type:FlatRelief:9 metresElem. Type:PlainSlope Category:No DataSlope:0.5 %Aspect:120 degrees

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AHydrosolPrincipal Profile Form:Dd4.11

ASC Confidence: Great Soil Group: Gleyed podzolic

Confidence level not specified SC

Site Disturbance:

Vegetation:

**Surface Coarse Fragments:** 

**Profile Morphology** 

0 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0%; Silty loam; Moderate grade of structure, 2-5 mm, Granular; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 5.5 (Raupach, 0.05); Many, very fine (0-1mm) roots; A12 0.1 - 0.2 m Very dark grey (10YR3/1-Moist); , 0-0%; Silty loam; Moderate grade of structure, 2-5 mm, Granular; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 5.5 (Raupach, 0.15); Many, very fine (0-1mm) roots; A12 0.2 - 0.3 m Very dark grey (2.5Y3/0-Moist); , 0-0%; Silty loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 5.5 (Raupach, 0.25); Many, very fine (0-1mm) roots; A12 0.3 - 0.5 m Very dark grey (2.5Y3/0-Moist); , 0-2% , Faint; Silty loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 5.5 (Raupach, 0.4); Common, very fine (0-1mm) roots; Very dark grey (2.5Y3/0-Moist); , 0-2% , Faint; Silty loam; Massive grade of structure; Earthy A12 0.5 - 0.8 m fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 6.5 (Raupach, 0.65); Common, very fine (0-1mm) roots; Clear change to 0.8 - 1 m Very dark grey (2.5Y3/0-Moist); , 0-2% , Faint; Medium clay; Massive grade of structure; Earthy Bt fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Field pH 6.5 (Raupach, 0.95); Few, very fine (0-1mm) roots;

**Morphological Notes** 

**Observation Notes** 

**Site Notes** 

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**Laboratory Test Results:** 

COLE

Depth

m

Depth	pН	1:5 EC	Exchangeable Cation		Cations K	E Na	xchangeable Acidity	CEC		ECEC	;	ESP
m		dS/m	ou in	9	IX.	Cmol (+)						%
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle CS	Size FS	Analys Silt	is Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

**Gravimetric/Volumetric Water Contents** 

Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar g/g - m3/m3

K sat

mm/h

15 Bar

K unsat

mm/h

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**Laboratory Analyses Completed for this profile**