

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 121 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

| | | | |
|------------------------|----------------------|-------------------|---------------------|
| Desc. By: | I. Hollingsworth | Locality: | |
| Date Desc.: | 23/04/91 | Elevation: | 421 metres |
| Map Ref.: | 1:10000 | Rainfall: | No Data |
| Northing/Long.: | 6159900 AMG zone: 54 | Runoff: | Very slow |
| Easting/Lat.: | 316070 Datum: AGD66 | Drainage: | Very poorly drained |

Geology

| | | | |
|-----------------------|-----------------------|------------------------------------|---|
| Exposure Type: | Undisturbed soil core | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Undisturbed soil core, 1 m deep, Porous, Sand |

Land Form

| | | | |
|-------------------------|-----------------------------|------------------------|-------------|
| Rel/Slope Class: | Undulating plains <9m 3-10% | Pattern Type: | Penplain |
| Morph. Type: | Flat | Relief: | 2 metres |
| Elem. Type: | Valley flat | Slope Category: | Level |
| Slope: | 0.5 % | Aspect: | 110 degrees |

Surface Soil Condition (dry): Firm

Erosion: Minor or present (wind);

Soil Classification

| | | | |
|--|--|--------------------------------|-----|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| N/A | | Principal Profile Form: | N/A |
| ASC Confidence: | | Great Soil Group: | N/A |
| Confidence level not specified | | | |

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - *Phalaris aquatica*
Tall Strata - Tree, 20.01-35m, Isolated plants. *Species includes - *Eucalyptus viminalis*

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|----|-----------|---|
| A1 | 0 - 0.6 m | Brown (7.5YR4/2-Moist); Brown (7.5YR5/2-Dry); ; Clear, Smooth change to - |
| A2 | 0.6 - 1 m | Brownish yellow (10YR6/6-Moist); Very pale brown (10YR7/4-Dry); ; |

Morphological Notes

Observation Notes

Site 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