

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 123 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

| | | | |
|------------------------|----------------------|-------------------|---------------------|
| Desc. By: | I. Hollingsworth | Locality: | |
| Date Desc.: | 23/04/91 | Elevation: | 417 metres |
| Map Ref.: | 1:10000 | Rainfall: | No Data |
| Northing/Long.: | 6159380 AMG zone: 54 | Runoff: | Very slow |
| Easting/Lat.: | 315800 Datum: AGD66 | Drainage: | Very poorly drained |

Geology

| | | | |
|----------------------|-----------------------|------------------------------------|--|
| ExposureType: | Undisturbed soil core | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Undisturbed soil core, 0.7 m deep,Porous, Schist |

Land Form

| | | | |
|-------------------------|-----------------------------|------------------------|-------------|
| Rel/Slope Class: | Undulating plains <9m 3-10% | Pattern Type: | Peneplain |
| Morph. Type: | Flat | Relief: | 5 metres |
| Elem. Type: | Drainage depression | Slope Category: | Level |
| Slope: | 0.5 % | Aspect: | 120 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, 12.01-20m, Isolated plants. *Species includes - Eucalyptus viminalis

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, angular, Quartz

Profile Morphology

| | | |
|----|---------------|---|
| A1 | 0 - 0.5 m | ; |
| A2 | 0.5 - 0.65 m | ; |
| Bt | 0.65 - 0.75 m | ; |
| C | 0.75 - 1.1 m | ; |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | Exchangeable Acidity | CEC | ECEC | ESP |
|-------|----|--------|----------------------|----|---|----------------------|-----|------|-----|
| m | | dS/m | Ca | Mg | K | Na 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 |

| 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