**Project Name:** **Warren Reservoir Catchment Survey**
**Project Code:** **WRN** **Site ID:** **006** **Observation ID:** **1**
**Agency Name:** **CSIRO Division of Soils (SA)**

## Site Information

| | | | |
|---|---|---|---|
| **Desc. By:** | I. Hollingsworth | **Locality:** | |
| **Date Desc.:** | 13/11/90 | **Elevation:** | 475 metres |
| **Map Ref.:** | 1:10000 | **Rainfall:** | No Data |
| **Northing/Long.:** | 6150990 AMG zone: 54 | **Runoff:** | Moderately rapid |
| **Easting/Lat.:** | 316020 Datum: AGD66 | **Drainage:** | Imperfectly drained |

## Geology

| | | | |
|---|---|---|---|
| **ExposureType:** | Auger boring | **Conf. Sub. is Parent. Mat.:** | No Data |
| **Geol. Ref.:** | No Data | **Substrate Material:** | Auger boring, 1.1 m deep,Slightly porous, Clay |

## Land Form

| | | | |
|---|---|---|---|
| **Rel/Slope Class:** | Undulating low hills 30-90m 3-10% | **Pattern Type:** | Hills |
| **Morph. Type:** | Open depression (vale) | **Relief:** | No Data |
| **Elem. Type:** | Drainage depression | **Slope Category:** | Gently inclined |
| **Slope:** | 7 % | **Aspect:** | 260 degrees |

**Surface Soil Condition (dry):** Firm

**Erosion:**

## Soil Classification

**Australian Soil Classification:**
Hydrosol
**ASC Confidence:**
Confidence level not specified

**Mapping Unit:** N/A
**Principal Profile Form:** Gn4.52
**Great Soil Group:** Alluvial soil

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

**Vegetation:** Low Strata - Tussock grass, <0.25m, Closed or dense. *Species includes - Phalaris aquatica

**Surface Coarse Fragments:** No surface coarse fragments

## Profile Morphology

| | | |
|---|---|---|
| A | 0 - 0.2 m | Very dark grey (5YR3/1-Moist); , 0-0% ; Clay loam; Gradual, Smooth change to - |
| AB | 0.2 - 0.4 m | Black (5YR2/1-Moist); , 0-0% ; Silty clay loam; Gradual, Smooth change to - |
| Bt | 0.4 - 0.7 m | Very dark grey (5YR3/1-Moist); , 5YR46, 10-20% , 5-15mm, Distinct; Fine sandy clay; Gradual, Smooth change to - |
| BC | 0.7 - 0.9 m | Dark grey (10YR4/1-Moist); , 10YR56, 10-20% , 5-15mm, Distinct; Sandy clay; Gradual, Smooth change to - |
| C | 0.9 - 1.1 m | Greyish brown (10YR5/2-Moist); , 10YR56, 10-20% , 5-15mm, Distinct; Sandy clay loam; |

## Morphological Notes

## Observation Notes

## Site Notes

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## Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | | Exchangeable | CEC | ECEC | ESP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Ca | Mg | K | Na | Acidity | | | |
| m | | dS/m | Cmol (+)/kg | | | | | | | % |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle Size Analysis | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GV | CS | FS | Silt | Clay |
| m | % | % | 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**