

Project Name: Warren Reservoir Catchment Survey
Project Code: WRN **Site ID:** 079 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

| | | | |
|------------------------|----------------------|-------------------|---------------------|
| Desc. By: | I. Hollingsworth | Locality: | |
| Date Desc.: | 18/12/90 | Elevation: | 434 metres |
| Map Ref.: | 1:10000 | Rainfall: | No Data |
| Northing/Long.: | 6154410 AMG zone: 54 | Runoff: | Slow |
| Easting/Lat.: | 318260 Datum: AGD66 | Drainage: | Imperfectly drained |

Geology

| | | | |
|-----------------------|-----------------------|------------------------------------|--|
| Exposure Type: | Undisturbed soil core | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Undisturbed soil core, 3 m deep, Porous, Sandstone |

Land Form

| | | | |
|-------------------------|-----------------------------|------------------------|--------------------|
| Rel/Slope Class: | Undulating plains <9m 3-10% | Pattern Type: | Peneplain |
| Morph. Type: | Open depression (vale) | Relief: | 5 metres |
| Elem. Type: | Footslope | Slope Category: | Very gently sloped |
| Slope: | 2 % | Aspect: | 300 degrees |

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|----------------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Hydrosol | | Principal Profile Form: | Gn2.9 |
| ASC Confidence: | | Great Soil Group: | Gleyed podzolic soil |
| Confidence level not specified | | | |

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|--------------|---|
| A11 | 0 - 0.05 m | Very dark greyish brown (10YR3/2-Moist); Dark greyish brown (10YR4/2-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Fine, (0 - 5) mm crack; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; Clear, Smooth change to - |
| A12 | 0.05 - 0.4 m | Greyish brown (10YR5/2-Moist); Light grey (10YR7/1-Dry); , 0-0% ; Loamy sand; Massive grade of structure; Moderately moist; Loose consistence; Abrupt, Smooth change to - |
| A21 | 0.4 - 0.6 m | Pale brown (10YR6/3-Moist); Very pale brown (10YR7/4-Dry); , 0-0% ; Loamy sand; Weak grade of structure; Moist; Loose consistence; Clear, Smooth change to - |
| A22 | 0.6 - 0.8 m | Light grey (10YR7/2-Moist); White (10YR8/2-Dry); , 7.5YR34, 0-2% , 0-5mm, Faint; Loamy sand; Single grain grade of structure; Wet; Loose consistence; Sharp, Smooth change to - |
| AB | 0.8 - 0.9 m | Dark greyish brown (10YR4/2-Moist); Greyish brown (10YR5/2-Dry); , 10YR58, 10-20% , 5-15mm, Distinct; Clayey sand; Single grain grade of structure; Loose consistence; Clear, Smooth change to - |
| Bt | 0.85 - 1 m | Grey (10YR6/1-Moist); Grey (7.5YR6/0-Dry); , 7.5YR58, 20-50% , 5-15mm, Prominent; Clay loam, sandy; Single grain grade of structure; Loose consistence; Smooth change to - |
| BCc | 1 - 1.3 m | Light grey (10YR7/2-Moist); Light grey (10YR7/2-Dry); , 10YR68, 20-50% , 30-mm, Distinct; Sandy clay loam; Single grain grade of structure; Loose consistence; |

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

| 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 - m ³ /m ³ | | | | mm/h | mm/h |

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Laboratory Analyses Completed for this profile