

**Project Name:** AS1  
**Project Code:** AS1      **Site ID:** NT55      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NT)

**Site Information**

|                        |                  |                   |                         |
|------------------------|------------------|-------------------|-------------------------|
| <b>Desc. By:</b>       | E.A. Jackson     | <b>Locality:</b>  |                         |
| <b>Date Desc.:</b>     | 17/07/59         | <b>Elevation:</b> | 610 metres              |
| <b>Map Ref.:</b>       |                  | <b>Rainfall:</b>  | 0                       |
| <b>Northing/Long.:</b> | 133.006111111111 | <b>Runoff:</b>    | Moderately rapid        |
| <b>Easting/Lat.:</b>   | -23.923055555556 | <b>Drainage:</b>  | Moderately well drained |

**Geology**

|                      |         |                                    |         |
|----------------------|---------|------------------------------------|---------|
| <b>ExposureType:</b> | No Data | <b>Conf. Sub. is Parent. Mat.:</b> | No Data |
| <b>Geol. Ref.:</b>   | No Data | <b>Substrate Material:</b>         | No Data |

**Land Form**

|                         |                              |                        |                     |
|-------------------------|------------------------------|------------------------|---------------------|
| <b>Rel/Slope Class:</b> | Undulating rises 9-30m 3-10% | <b>Pattern Type:</b>   | Low hills           |
| <b>Morph. Type:</b>     | No Data                      | <b>Relief:</b>         | 7 metres            |
| <b>Elem. Type:</b>      | Hillslope                    | <b>Slope Category:</b> | Moderately inclined |
| <b>Slope:</b>           | 0 %                          | <b>Aspect:</b>         | No Data             |

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

|   |  |                                |                     |
|---|--|--------------------------------|---------------------|
| <b>Australian Soil Classification:</b>                    |  | <b>Mapping Unit:</b>           | N/A                 |
| Haplic Petrocalcic Leptic Calcarosol                      |  | <b>Principal Profile Form:</b> | N/A                 |
| <b>ASC Confidence:</b>                                    |  | <b>Great Soil Group:</b>       | Red calcareous soil |
| Analytical data are incomplete but reasonable confidence. |  |                                |                     |

**Site Disturbance:**

**Vegetation:**

Tall Strata - Shrub, , . \*Species includes - Acacia kempeana, Acacia aneura

**Surface Coarse Fragments:**

**Profile Morphology**

|               |  |
|---------------|--|
| 0 - 0.09 m    | Reddish brown (5YR5/4-Moist); ; Clayey sand; Massive grade of structure; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Diffuse change to -  |
| 0.09 - 0.15 m | Reddish brown (5YR5/4-Moist); ; Clayey sand; Massive grade of structure; Weak consistence; 10-20%, cobbly, 60-200mm, rounded, Gravel, coarse fragments; Few (2 - 10 %), Calcareous, , Concretions; Diffuse change to - |
| 0.15 - 0.35 m | Reddish brown (5YR5/4-Moist); ; Sandy loam; Single grain grade of structure; Loose consistence; 2-10%, rounded, Gravel, coarse fragments; Many (20 - 50 %), Calcareous, , Concretions; Diffuse, Irregular change to -  |
| 0.35 - 0.54 m | ;  |

**Morphological Notes**

Purplish decomposing calcareous sandstone\*

**Observation Notes**

PATCHES OF MODERATE SURFACE STONE LITTER QUARTZITIC & SUBANGULAR LITTER OF COARSE SAND  
APPROX. 4MM THICK ON SURFACE      DISCARDED

**Site Notes**

ALICE SPRINGS

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**Laboratory Test Results:**

| Depth       | pH   | 1:5 EC | Ca | Exchangeable Mg | Cations K | Na          | Exchangeable Acidity | CEC | ECEC | ESP |
|-------------|------|--------|----|-----------------|-----------|-------------|----------------------|-----|------|-----|
| m           |      | dS/m   |    |                 |           | Cmol (+)/kg |                      |     |      | %   |
| 0 - 0.09    | 8.9H | 0.022C |    |                 |           |             |                      |     |      |     |
| 0.09 - 0.15 | 9H   | 0.023C |    |                 |           |             |                      |     |      |     |
| 0.15 - 0.35 | 9H   | 0.03C  |    |                 |           |             |                      |     |      |     |
| 0.35 - 0.54 | 9.2H | 0.02C  |    |                 |           |             |                      |     |      |     |

[illegible][illegible]

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**Laboratory Analyses Completed for this profile**

|           |  |
|-----------|--|
| 17A_NR    | Total element - K(%) - Not recorded                              |
| 19B_NR    | Calcium Carbonate (CaCO <sub>3</sub> ) - Not recorded            |
| 2_LOI     | Loss on Ignition (%)   |
| 2A1       | Air-dry moisture content   |
| 3A_TSS    | Electrical conductivity or soluble salts - Total soluble salts % |
| 4_NR      | pH of soil - Not recorded  |
| 5_NR      | Water soluble Chloride - Cl(%) - Not recorded                    |
| 6Z        | Organic carbon (%) - Not recorded                                |
| 7_NR      | Total nitrogen (%) - Not recorded                                |
| 9A_NR     | Total element - P(%) - Not recorded                              |
| P10_GRAV  | Gravel (%)   |
| P10_NR_C  | Clay (%) - Not recorded  |
| P10_NR_CS | Coarse sand (%) - Not recorded                                   |
| P10_NR_FS | Fine sand (%) - Not recorded                                     |
| P10_NR_Z  | Silt (%) - Not recorded  |