

**Project Name:** AS1  
**Project Code:** AS1      **Site ID:** NT59      **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>	23/09/59	<b>Elevation:</b>	762 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	133.193055555556	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-23.487777777778	<b>Drainage:</b>	Imperfectly 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>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	0 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	No Data
<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
Epicalcareous Epipedal Red Vertosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red clay

No analytical data are available but confidence is fair.

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:** Low Strata - Tussock grass, , . \*Species includes - *Astrebla* species

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.03 m	Reddish brown (2.5YR5/4-Moist); ; Medium clay; , Platy; Very firm consistence; 2-10%, fine gravelly, 2-6mm, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Clear change to -
0.03 - 0.08 m	Reddish brown (2.5YR4/4-Moist); ; Medium clay; 10-20 mm, Angular blocky; Firm consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions; Many, very fine (0-1mm) roots; Diffuse change to -
0.08 - 0.33 m	Reddish brown (2.5YR4/4-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Strong consistence; 0-2%, fine gravelly, 2-6mm, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Few, very fine (0-1mm) roots; Diffuse change to -
0.33 - 0.81 m	Dark reddish brown (2.5YR3/4-Moist); ; Medium clay; Moderate grade of structure, Polyhedral; Strong consistence; 0-2%, fine gravelly, 2-6mm, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Few, very fine (0-1mm) roots; Diffuse change to -
0.81 - 1.11 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Very firm consistence; 10-20%, medium gravelly, 6-20mm, Sand, coarse fragments; Few (2 - 10 %), Gypseous, , ; Diffuse change to -
1.11 - 1.45 m	Red (2.5YR4/6-Moist); ; Light medium clay; Single grain grade of structure; Firm consistence; 0-2%, angular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Common (10 - 20 %), Gypseous, , ; Clear change to -
1.45 - 1.65 m	Red (2.5YR4/8-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Polyhedral; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common (10 - 20 %), Gypseous, , ;

**Morphological Notes**

**Observation Notes**

**Site Notes**

ALICE SPRINGS



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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