

**Project Name:** AS1  
**Project Code:** AS1      **Site ID:** NT32      **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>	07/09/58	<b>Elevation:</b>	457 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	134.216944444444	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-24.554166666667	<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>	Rolling low hills 30-90m 10-	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	7 metres
<b>Elem. Type:</b>	Summit surface	<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
Haplic Regolithic Hypercalic Calcarosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Calcareous red earth

No analytical data are available but confidence is fair.

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

**Vegetation:**

Mid Strata - Shrub, , . \*Species includes - None recorded

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

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.05 m	Red (2.5YR5/6-Moist); ; Loam; 20-50%, stony, 200-600mm, Gravel, coarse fragments; Diffuse change to -
0.05 - 0.14 m	Red (2.5YR5/6-Moist); ; Loam; 50-90%, stony, 200-600mm, Gravel, coarse fragments; Sharp change to -
0.14 - 0.23 m	Red (2.5YR5/8-Moist); ; Clay loam; 2-10%, stony, 200-600mm, Gravel, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Diffuse change to -
0.23 - 0.4 m	Red (2.5YR5/8-Moist); ; Light clay; 2-10%, stony, 200-600mm, Gravel, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations;
0.4 - 0.71 m	Red (2.5YR5/8-Moist); ; Clay loam; Many (20 - 50 %), Calcareous, , Soft segregations;
0.71 - 0.94 m	Red (2.5YR5/8-Moist); ; Clay loam; Many (20 - 50 %), Calcareous, , Soft segregations;
0.94 - 1.11 m	Red (2.5YR5/8-Moist); ; Clay loam; Many (20 - 50 %), Calcareous, , Soft segregations;

**Morphological Notes**

**Observation Notes**

SILCRETE OUTCROPPING ON HILL TOP: MOD. PAVEMENT OF SILCRETE QUARTZ & QUARTZITETE

**Site Notes**

ALICE SPRINGS

**Observation ID: 1**

**Laboratory Test Results:**

Depth m	pH	1:5 EC	Exchangeable Cations				CEC	ECEC	ESP
		dS/m	Ca	Mg	K	Na	Acidity		%
							(+)/kg		
0 - 0.05	8.2H	0.027C	6.9K	2.4	0.72	0.09			
0.05 - 0.14	8.7H	0.031C							
0.14 - 0.23	8.9H	0.053C							
0.23 - 0.4	8.6H	0.25C							
0.4 - 0.71	8.6H	0.45C							
0.71 - 0.94	8.6H	0.48C							
0.94 - 1.11	8.7H	0.47C							

Depth m	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density Mg/m3	Particle		Size	Analysis	
	%	%	mg/kg	%	%	%		GV	CS	FS %	Silt	Clay
0 - 0.05	0.01C	0.29E		0.008F	0.034B	0.18B		18	10C	70	6	12
0.05 - 0.14	0.18C			0.011F	0.027B	0.32B		53	10C	63	6	19
0.14 - 0.23	0.91C							12	9C	59	2	25
0.23 - 0.4	11C											
0.4 - 0.71	26C							10	7C	42	1	21
0.71 - 0.94	29C											
0.94 - 1.11	32C							10	10C	36	1	19

[illegible]

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**Laboratory Analyses Completed for this profile**

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
17A_NR	Total element - K(%) - Not recorded
19B_NR	Calcium Carbonate (CaCO3) - 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