

Project Name: AS1
Project Code: AS1 **Site ID:** NT20 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	20/06/58	Elevation:	396 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	134.078611111111	Runoff:	Moderately rapid
Easting/Lat.:	-24.585	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	No Data
Morph. Type:	Open depression (vale)	Relief:	20 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Mesonatric Red Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solodized solonetz

Analytical data are incomplete but reasonable confidence.

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

Vegetation:

Mid Strata - Shrub, , . *Species includes - None recorded
Tall Strata - Shrub, , . *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, , Quartzite

Profile Morphology

0 - 0.08 m	Red (2.5YR5/6-Moist); ; Fine sand; Weak grade of structure, Platy; Loose consistence; 20-50%, stony, 200-600mm, Quartz, coarse fragments; Field pH 7 (pH meter); Diffuse change to -
0.08 - 0.11 m	Pink (5YR7/4-Moist); ; Fine sand; 50-90%, cobbly, 60-200mm, Quartz, coarse fragments; Sharp change to -
0.11 - 0.23 m	; Medium clay; 10-20 mm, Prismatic; , Angular blocky; Weak consistence; Field pH 9 (pH meter); Diffuse change to -
0.23 - 0.33 m	; Medium clay; 10-20 mm, Angular blocky; Firm consistence; 2-10%, cobbly, 60-200mm, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations; Field pH 9 (pH meter); Diffuse change to -
0.33 - 0.53 m	; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; 10-20%, Gravel, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations; Field pH 9 (pH meter); Diffuse change to -
0.53 - 0.71 m	; Medium clay; Massive grade of structure; 10-20%, Slate, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

SURFACE STONE LITTER GENERALLY QUARTZITE

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 - 0.08	8.1H	0.014C	2K	1.4	0.55	0.11				
0.08 - 0.11	8.4H	0.013C								
0.11 - 0.23	9.4H	0.036C	8.6K	5.8	1.3	3				
0.23 - 0.33	9.5H	0.18C								
0.33 - 0.53	8.6H	0.4C								
0.53 - 0.71	8.6H	0.46C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size		Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS %	Silt Clay
0 - 0.08	0.01C	0.15E		0.014F	0.024B	0.21B		17	11C	78	7 4
0.08 - 0.11	0.01C			0.012F		0.19B					
0.11 - 0.23	0.02C				0.04B		2	6C	45	2 43	
0.23 - 0.33	5.2C										
0.33 - 0.53	6.8C						10	8C	45	7 34	
0.53 - 0.71	8.5C										

[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