Project Name: AS1
Project Code: AS1 **Site ID:** NT38 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By: E.A. Jackson
Date Desc.: 08/10/58
Map Ref.:
Northing/Long.: 134.364722222222
Easting/Lat.: -23
Locality:
Elevation: 732 metres
Rainfall: 0
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%
Morph. Type: No Data
Elem. Type: No Data
Slope: 0 %
Pattern Type: No Data
Relief: 3 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Calcic Red Chromosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: Red-brown earth

Site Disturbance:

Vegetation:

Tall Strata - Shrub, , . *Species includes - Atalaya hemiglauca

Surface Coarse Fragments:

Profile Morphology

0 - 0.11 m	; Sandy loam; Massive grade of structure; Weak consistence; 50-90%, cobbly, 60-200mm, Quartz, coarse fragments; Abrupt change to -
0.11 - 0.33 m	Weak red (10R4/4-Moist); ; Light medium clay; Strong grade of structure, 50-100 mm, Prismatic; , Angular blocky; Strong consistence; Diffuse change to -
0.33 - 0.4 m	Weak red (10R4/4-Moist); ; Light medium clay; Weak grade of structure, Prismatic; Strong grade of structure, 10-20 mm, Angular blocky; Strong consistence; Diffuse change to -
0.4 - 0.59 m	Weak red (10R4/4-Moist); ; Light medium clay; Weak grade of structure, 50-100 mm, Angular blocky; 2-10%, Gneiss, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations;
0.59 - 0.79 m	; Sandy clay loam; 20-50%, stony, 200-600mm, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

MODERATE PAVEMENT QUARTZ STONE 1-10CM: MICA LAYERS 2-5:

Site Notes

ALICE SPRINGS

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.11	7.3H	0.016C	4.3K	2	0.71	0.11				
0.11 - 0.33	7.4H	0.13C	14.4K	6.4	0.97	0.86				
0.33 - 0.4	8.5H	0.15C								
0.4 - 0.59	8.7H	0.16C								
0.59 - 0.79	8.8H	0.17C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.11		0.3E		0.022F	0.033B	0.69B		47	37C	42	11	9
0.11 - 0.33								3	22C	26	5	46
0.33 - 0.4	0.08C											
0.4 - 0.59	1.5C							4	22C	30	5	39
0.59 - 0.79	1.4C			0.029F		0.8B		28	30C	33	6	26

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 - m3/m3						mm/h	mm/h
0 - 0.11									
0.11 - 0.33									
0.33 - 0.4									
0.4 - 0.59									
0.59 - 0.79									

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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 recordede
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