Project Name: AS1
Project Code: AS1 **Site ID:** NT39 **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.: 134.424444444444
Easting/Lat.: -23
Locality:
Elevation: 732 metres
Rainfall: 0
Runoff: Slow
Drainage: Imperfectly 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: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Plain
Relief: 0 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Red Kandosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: Red earth

Site Disturbance:

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.01 m	; Clayey sand; Single grain grade of structure; Loose consistence; 20-50%, medium gravelly, 6-20mm, Gravel, coarse fragments; Sharp change to -
0.01 - 0.03 m	; Sandy loam; Massive grade of structure; Weak consistence; Diffuse change to -
0.03 - 0.25 m	; Sandy loam; Massive grade of structure; Firm consistence; Diffuse change to -
0.25 - 0.33 m	; Sandy clay loam; Massive grade of structure; Very firm consistence;
0.33 - 0.48 m	; Sandy medium clay; Very firm consistence; 2-10%, cobbly, 60-200mm, Gravel, coarse fragments;
0.48 - 0.66 m	; Light clay; Massive grade of structure; Very firm consistence; 2-10%, Gravel, coarse fragments;
0.66 - 0.79 m	Dark red (2.5YR3/6-Moist); ; Sandy medium clay;
0.79 - 1.06 m	Red (2.5YR4/6-Moist); ; Sandy medium clay; Very firm consistence; 0-2%, Gravel, coarse fragments; Field pH 7.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

ALICE SPRINGS

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.01	7.4H	0.011C								
0.01 - 0.03	7.1H	0.017C	2.7K	1.9	0.97	0.03				
0.03 - 0.25	7.1H	0.014C								
0.25 - 0.33	7.5H	0.01C								
0.33 - 0.48	7.6H	0.015C								
0.48 - 0.66	7.6H	0.025C	7K	6.2	1.1	0.19				
0.66 - 0.79	7.6H	0.025C								
0.79 - 1.06	8.4H	0.014C								

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 - 0.01					0.012B							
0.01 - 0.03		0.19E		0.022F	0.022B	0.46B		4	49C	34	7	9
0.03 - 0.25												
0.25 - 0.33								7	44C	33	5	16
0.33 - 0.48												
0.48 - 0.66								5	37C	6	2	32
0.66 - 0.79												
0.79 - 1.06	0.02C							7	36C	32	3	27

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 - 0.01									
0.01 - 0.03									
0.03 - 0.25									
0.25 - 0.33									
0.33 - 0.48									
0.48 - 0.66									
0.66 - 0.79									
0.79 - 1.06									

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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