Project Name: AS1
Project Code: AS1 **Site ID:** NT58 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By: E.A. Jackson
Date Desc.: 22/09/59
Map Ref.:
Northing/Long.: 133.9175
Easting/Lat.: -23.6780555555556
Locality:
Elevation: 610 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: No Data
Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 0 %
Pattern Type: Hills
Relief: 5 metres
Slope Category: Moderately inclined
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Basic Regolithic Orthic Tenosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: Earthy sand

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

Vegetation:

Mid Strata - Shrub, , . *Species includes - Acacia kempeana
Tall Strata - Tree, , . *Species includes - Ventilago viminalis, Atalaya hemiglauca

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	Reddish brown (5YR4/4-Moist); ; Fine sand; Massive grade of structure; Very weak consistence; Field pH 7 (pH meter); Many, fine (1-2mm) roots;
0.08 - 0.3 m	Reddish brown (5YR5/4-Moist); ; Clayey sand; Massive grade of structure; Field pH 6.5 (pH meter);
0.3 - 0.59 m	Reddish brown (5YR5/4-Moist); ; Clayey sand; Massive grade of structure; Weak consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Diffuse change to -
0.59 - 0.79 m	Reddish brown (2.5YR5/4-Moist); ; Sandy loam; Massive grade of structure; Very firm consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Diffuse change to -
0.79 - 1.04 m	Reddish brown (2.5YR5/4-Moist); ; Sandy loam; Massive grade of structure; Very firm consistence; 0-2%, coarse gravelly, 20-60mm, coarse fragments; Diffuse change to -
1.04 - 1.32 m	Reddish brown (2.5YR5/4-Moist); ; Clayey sand; Massive grade of structure; Firm consistence; 10-20%, coarse gravelly, 20-60mm, Quartz, coarse fragments; Diffuse change to -

Morphological Notes

Observation Notes

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 - 0.08	7.4H	0.007C	2.5K	0.9	0.62	0.03				
0.08 - 0.3	7.4H	0.005C								
0.3 - 0.59	7.3H	0.006C								
0.59 - 0.79	7.4H	0.007C								
0.79 - 1.04	7.6H	0.009C	6.8K	2	0.13	0.13				
1.04 - 1.32	7.7H	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 - 0.08		0.32E		0.025F	0.031B	0.39B			48C	42	6	4
0.08 - 0.3												
0.3 - 0.59								19	48C	37	8	7
0.59 - 0.79												
0.79 - 1.04								22	44C	35	9	13
1.04 - 1.32												

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 - 0.08										
0.08 - 0.3										
0.3 - 0.59										
0.59 - 0.79										
0.79 - 1.04										
1.04 - 1.32										

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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
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