

Project Name: AS1
Project Code: AS1 **Site ID:** NT54 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	17/07/59	Elevation:	610 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	133	Runoff:	Moderately rapid
Easting/Lat.:	-23.609722222222	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Site Disturbance:

Vegetation:

Tall Strata - Shrub, , . *Species includes - Acacia aneura, Acacia kempeana

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Reddish brown (2.5YR5/4-Moist); ; Sand; Massive grade of structure; Weak consistence; 0-2%, stony, 200-600mm, Sand, coarse fragments; Field pH 6 (pH meter);
0.1 - 0.25 m	Reddish brown (2.5YR4/4-Moist); ; Sand; Massive grade of structure; Weak consistence; 2-10%, cobbly, 60-200mm, Gravel, coarse fragments; Field pH 7 (pH meter); Diffuse change to -
0.25 - 0.33 m	Reddish brown (2.5YR4/4-Moist); ; Clayey sand; Single grain grade of structure; Weak consistence; 50-90%, coarse gravelly, 20-60mm, rounded, Quartz, coarse fragments; Sharp change to -
0.33 - 0.4 m	Weak red (10R4/4-Moist); ; Sandy light clay; Massive grade of structure; Very firm consistence; 2-10%, stony, 200-600mm, coarse fragments; Field pH 7 (pH meter); Diffuse, Irregular change to -
0.4 - 0.54 m	Weak red (10R4/4-Moist); ; Sandy medium clay; Massive grade of structure; Very firm consistence; Field pH 7 (pH meter); Sharp change to -
0.54 - 0.74 m	; Sandy clay loam; Common (10 - 20 %), Calcareous, , Concretions;

Morphological Notes

Observation Notes

STONES LARGELY DISCARDED

Site Notes

ALICE SPRINGS

Observation ID: 1

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 - 0.1	6.7H	0.01C	2.3K	0.7	0.47	0.02				
0.1 - 0.25	7.1H	0.008C								
0.25 - 0.33	6.7H	0.009C								
0.33 - 0.4	7.1H	0.012C								
0.4 - 0.54	7.7H	0.01C	9.9K	2	0.78	0.08				
0.54 - 0.74	8.7H	0.028C								

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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