

Project Name: AS1
Project Code: AS1 **Site ID:** NT22 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	21/06/58	Elevation:	427 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	134.216944444444	Runoff:	Moderately rapid
Easting/Lat.:	-24.148888888889	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 rises 9-30m 1-3%	Pattern Type:	No Data
Morph. Type:	Open depression (vale)	Relief:	6 metres
Elem. Type:	Swale	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

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

Vegetation:

Mid Strata - Shrub, , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.01 m	Red (2.5YR5/6-Moist); ; Clayey sand; , Platy; Very weak consistence; Field pH 6 (pH meter); Clear change to -
0.01 - 0.08 m	Red (2.5YR5/6-Moist); ; Sandy loam; Massive grade of structure; Firm consistence; Field pH 7 (pH meter);
0.08 - 0.28 m	Red (2.5YR4/6-Moist); ; Sandy loam; Massive grade of structure; Firm consistence; Diffuse change to -
0.28 - 0.5 m	Red (2.5YR4/6-Moist); ; Fine sandy clay loam; Massive grade of structure; Weak consistence; Field pH 7 (pH meter); Clear change to -
0.5 - 0.83 m	Red (10R5/6-Moist); ; Fine sandy clay loam; Massive grade of structure; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 7 (pH meter); Common, fine (1-2mm) roots;
0.83 - 1.13 m	; Fine sandy clay loam; Few (2 - 10 %), Calcareous, , Soft segregations;
1.13 - 1.25 m	; Sandy clay loam; Few (2 - 10 %), Calcareous, , Soft segregations;
1.25 - 1.5 m	; Sandy clay loam; 0-2%, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations;
1.5 - 1.75 m	; Sandy clay loam; Few (2 - 10 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

ALICE SPRINGS

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.01	7.4H	0.013C							
0.01 - 0.08	7.7H	0.01C	4.6K	2.1	1.2	0.03			
0.08 - 0.28	8H	0.01C							
0.28 - 0.5	7.9H	0.015C	5.4K	2	0.91	0.03			
0.5 - 0.83	8.8H	0.028C							
0.83 - 1.13	8.9H	0.029C							
1.13 - 1.25	8.9H	0.03C							
1.25 - 1.5	8.9H	0.034C							
1.5 - 1.75	8.9H	0.031C							

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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_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