

Project Name: AS1
Project Code: AS1 **Site ID:** NT5 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	04/07/57	Elevation:	427 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	134.5975	Runoff:	Slow
Easting/Lat.:	-23.7855555555556	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:	Level plain <9m <1%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	0 metres
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcareous Regolithic Bleached Tenosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Calcareous red earth
Analytical data are incomplete but reasonable confidence.			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.04 m	Reddish yellow (5YR6/6-Moist); ; Coarse sand; Weak grade of structure, Platy; Very weak consistence; Clear change to -
0.04 - 0.15 m	Yellowish red (5YR4/6-Moist); ; Sandy loam; Massive grade of structure; Very weak consistence; Diffuse change to -
0.15 - 0.27 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Very weak consistence; Clear change to -
0.27 - 0.48 m	Light reddish brown (5YR6/4-Dry); ; Clay loam, fine sandy; Weak grade of structure, 20-50 mm, Angular blocky; Firm consistence; Diffuse change to -
0.48 - 0.6 m	Light reddish brown (5YR6/4-Dry); ; Clay loam, fine sandy; Weak grade of structure, Angular blocky; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Diffuse change to -
0.6 - 0.76 m	Pink (5YR7/4-Dry); ; Fine sandy loam; Massive grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Diffuse change to -
0.76 - 0.91 m	Pink (5YR7/4-Dry); ; Fine sandy loam; Massive grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;
0.91 - 1.16 m	Pink (5YR7/4-Dry); ; Sandy loam; Massive grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;
1.16 - 1.47 m	Pink (5YR7/4-Dry); ; Fine sandy loam; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;
1.62 - 1.77 m	Pink (5YR7/4-Moist); ; Sand; Common (10 - 20 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

MICA IN MOST OF SAMPLE

Site Notes

ALICE SPRINGS

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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 - 0.04	7.8H	0.016C	3.9K	1.5	1	0.03				
0.04 - 0.15	8.1H	0.013C								
0.15 - 0.27	8.3H	0.014C								
0.27 - 0.48	8.6H	0.021C								
0.48 - 0.6	9H	0.031C								
0.6 - 0.76	8.9H	0.045C								
0.76 - 0.91	9H	0.034C								
0.91 - 1.16	9.1H	0.031C								
1.16 - 1.47	9.2H	0.045C								
1.62 - 1.77	9.2H	0.061C								

Depth m	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density Mg/m3	Particle		Size FS %	Analysis		
	%	%	mg/kg	%	%	%		GV	CS		Silt	Clay	
0 - 0.04				0.045F	0.043B					26C	59	9	6
0.04 - 0.15	0.01C									26C	55	11	8
0.15 - 0.27	0.01C			0.044F	0.025B					21C	54	13	13
0.27 - 0.48	0.02C									20C	54	13	13
0.48 - 0.6	1.4C												
0.6 - 0.76	7.6C								9C	59	15	7	
0.76 - 0.91	7.3C												
0.91 - 1.16	6.1C								8C	73	10	2	
1.16 - 1.47	6.3C												
1.62 - 1.77	2C								45C	39	7	4	

[illegible]

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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
19B_NR	Calcium Carbonate (CaCO ₃) - 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
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