

Project Name: AS1
Project Code: AS1 **Site ID:** NT64 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	25/09/59	Elevation:	762 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	132.075555555556	Runoff:	Moderately rapid
Easting/Lat.:	-23.781388888889	Drainage:	Imperfectly 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	0 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solodic soil
All necessary analytical data are available.			

Site Disturbance:

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - Shrub, , . *Species includes - None recorded
Tall Strata - Tree mallee, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	Reddish brown (2.5YR5/4-Moist); ; Sand; Massive grade of structure; Very weak consistence;
0.08 - 0.3 m	Reddish brown (2.5YR5/4-Moist); ; Sand; Massive grade of structure; Very weak consistence;
0.3 - 0.61 m	Red (10R5/6-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence;
0.61 - 0.91 m	Red (10R5/6-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments;
0.91 - 1.04 m	Red (2.5YR5/8-Moist); ; Clayey sand; Massive grade of structure; Weak consistence; 2-10%, Gravel, coarse fragments; Sharp change to -
1.04 - 1.24 m	; Clayey sand; Weak grade of structure, Platy; Weak consistence; 20-50%, Gravel, coarse fragments; Sharp change to -
1.24 - 1.29 m	; Clayey sand; Massive grade of structure; Strong consistence; 2-10%, Gravel, coarse fragments; Diffuse change to -
1.29 - 1.4 m	Brownish yellow (10YR6/6-Moist); , 10YR36; Sandy medium clay; Massive grade of structure; Strong consistence;

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	Acidity		%
							(+)/kg		
0 - 0.08	6.3H	0.004C	1.1K	0.6	0.2	0.02			
0.08 - 0.3	5.9H	0.006C							
0.3 - 0.61	5.8H	0.005C							
0.61 - 0.91	5.6H	0.006C							
0.91 - 1.04	5.7H	0.005C							
1.04 - 1.24	6H	0.01C							
1.24 - 1.29	6.1H	0.02C							
1.29 - 1.4	6.7H	0.034C	2.9K	5.3	0.77	0.67			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Particle CS	Size FS	Analysis Silt	Analysis Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08		0.19E		0.007F	0.17B	0.09B			50C	42	0	8
0.08 - 0.3												
0.3 - 0.61												
0.61 - 0.91												
0.91 - 1.04												
1.04 - 1.24												
1.24 - 1.29												
1.29 - 1.4									38C	30	1	31

[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
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 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