

Project Name: AS1
Project Code: AS1 **Site ID:** NT18 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	19/06/58	Elevation:	366 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	134.043888888889	Runoff:	Moderately rapid
Easting/Lat.:	-24.639166666667	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 plains <9m 1-3%	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
Calcic Subnatric Red Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solodic soil
No analytical data are available but confidence is fair.			

Site Disturbance:

Vegetation:

Mid Strata - Shrub, , . *Species includes - None recorded

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Reddish yellow (5YR7/6-Moist); ; Sandy light clay; Firm consistence; Field pH 7 (pH meter); Clear change to -
0.05 - 0.14 m	Dark red (10R3/6-Moist); ; Medium clay; Weak grade of structure, Prismatic; Strong grade of structure, 10-20 mm, Angular blocky; Firm consistence; 0-2%, Gravel, coarse fragments; Field pH 7 (pH meter); Diffuse change to -
0.14 - 0.23 m	Red (10R4/6-Moist); ; Medium clay; Weak grade of structure, Prismatic; 5-10 mm, Angular blocky; Firm consistence; 0-2%, Gravel, coarse fragments; Field pH 7 (pH meter); Clear change to -
0.23 - 0.29 m	Red (10R4/6-Moist); ; Medium clay; 5-10 mm, Angular blocky; Firm consistence; 2-10%, Gravel, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 7 (pH meter); Diffuse change to -
0.29 - 0.46 m	; Medium clay; 5-10 mm, Angular blocky; Very firm consistence; 10-20%, Gravel, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; Diffuse change to -
0.46 - 0.64 m	Red (2.5YR4/6-Moist); ; Medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Firm consistence; 20-50%, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Field pH 9 (pH meter);

Morphological Notes

Observation Notes

NUMEROUS WHITE SPECKS THROUGHOUT

Site Notes

ALICE SPRINGS

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K		Acidity			%
							Cmol (+)/kg			

0 - 0.05	7.5H	1.3C
0.05 - 0.14	7.5H	2.9C
0.14 - 0.23	8H	2.8C
0.23 - 0.29	8.1H	2.6C
0.29 - 0.46	8.2H	2.1C
0.46 - 0.64	8.3H	1.7C

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis		
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		

0 - 0.05		0.15E		0.022F	0.028B	0.38B		53	9C	60	13	17
0.05 - 0.14				0.02F		0.56B		3	6C	41	2	39
0.14 - 0.23	0.1C											
0.23 - 0.29	1C				0.02B			10	6C	42	1	46
0.29 - 0.46	9.6C											
0.46 - 0.64	26C							27	8C	35	1	29

Depth	COLE	Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	K sat	K unsat
m									mm/h	mm/h

0 - 0.05
0.05 - 0.14
0.14 - 0.23
0.23 - 0.29
0.29 - 0.46
0.46 - 0.64

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Laboratory Analyses Completed for this profile

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