

Project Name: AS1
Project Code: AS1 **Site ID:** NT27 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	05/09/58	Elevation:	457 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	133.556388888889	Runoff:	Moderately rapid
Easting/Lat.:	-24.51	Drainage:	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 low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Crest	Relief:	6 metres
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Hypercalcic Red Chromosol		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 - None Recorded

Surface Coarse Fragments: 20-50%, , subrounded, Quartz

Profile Morphology

0 - 0.11 m	Red (2.5YR5/6-Moist); ; Loamy sand; Weak grade of structure, Platy; Weak consistence; 20-50%, cobbly, 60-200mm, subrounded, Quartz, coarse fragments; Clear change to -
0.11 - 0.2 m	Red (2.5YR4/8-Moist); ; Clay loam; Massive grade of structure; Firm consistence; 10-20%, stony, 200-600mm, Gravel, coarse fragments; Clear change to -
0.2 - 0.25 m	Red (2.5YR4/8-Moist); ; Clay loam; Massive grade of structure; Weak consistence; 2-10%, stony, 200-600mm, Gravel, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations;
0.25 - 0.48 m	Red (2.5YR4/8-Moist); ; Clay loam; Massive grade of structure; Firm consistence; 2-10%, stony, 200-600mm, Gravel, coarse fragments; Common (10 - 20 %), Calcareous, , Concretions;
0.48 - 0.78 m	Reddish brown (2.5YR4/4-Moist); ; Sandy medium clay; Many (20 - 50 %), Calcareous, , Soft segregations;
0.78 - 0.93 m	Reddish brown (2.5YR4/4-Moist); ; Sandy medium clay; Common (10 - 20 %), Calcareous, , Soft segregations;
0.93 - 1.13 m	Reddish brown (2.5YR4/4-Moist); ; Sandy medium clay; Common (10 - 20 %), Calcareous, , Soft segregations; , Gypseous, , Soft segregations;
1.13 - 1.5 m	Reddish brown (2.5YR4/4-Moist); ; Sandy medium clay; Few (2 - 10 %), Calcareous, , Soft segregations; , Gypseous, , Soft segregations;
1.5 - 1.68 m	Reddish brown (2.5YR4/4-Moist); ; Sandy medium clay; Few (2 - 10 %), Calcareous, , Soft segregations; , Gypseous, , Soft segregations;

Morphological Notes

Observation Notes

MODERATE TO DENSE PAVEMENT OF WATERWORN QUARTZITE

Site Notes

ALICE SPRINGS

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Laboratory Test Results:

Depth	pH	1:5 EC		Exchangeable Cations		Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg			%
0 - 0.11	8.5H	0.028C	4.6K	2.1	0.57	0.2			
0.11 - 0.2	9.1H	0.033C							
0.2 - 0.25	9.3H	0.043C							
0.25 - 0.48	9.3H	0.11C							
0.48 - 0.78	9H	0.32C							
0.78 - 0.93	9H	0.41C							
0.93 - 1.13	8.1H								
1.13 - 1.5	8H								
1.5 - 1.68	7.8H								

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 - 0.11	0.04C	0.23E		0.01F	0.03B	0.22B		56	18C	65	4	10
0.11 - 0.2	0.17C				0.03B			18	16C	57	2	23
0.2 - 0.25	1.7C				0.022B			8	16C	53	2	25
0.25 - 0.48	15C				5			14C	46	2	22	
0.48 - 0.78	18C											
0.78 - 0.93	7.9C											
0.93 - 1.13	2.8C											
1.13 - 1.5	0.18C											
1.5 - 1.68	0.05C											

[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
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