

Project Name: AS1
Project Code: AS1 **Site ID:** NT26 **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.:	133.575277777778	Runoff:	Moderately rapid
Easting/Lat.:	-24.4411111111111	Drainage:	Moderately 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 plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	3 metres
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endohypersodic Regolithic Hypercalcic Calcarosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solonized brown soil

Analytical data are incomplete but reasonable confidence.

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

Vegetation:

Mid Strata - Shrub, , . *Species includes - Acacia kempeana

Tall Strata - Shrub, , . *Species includes - Bassia species, Atalaya hemiglauca

Surface Coarse Fragments: 2-10%, stony, 200-600mm, ,

Profile Morphology

0 - 0.05 m	Reddish yellow (5YR6/6-Moist); ; Loam; Moderate grade of structure, Platy; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Clear change to -
0.05 - 0.2 m	Reddish yellow (5YR6/6-Moist); ; Clay loam; Weak grade of structure, 5-10 mm, Angular blocky; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Diffuse change to -
0.2 - 0.34 m	; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Many, fine (1-2mm) roots; Diffuse change to -
0.34 - 0.58 m	; Light clay; Weak grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Common (10 - 20 %), Calcareous, , Concretions;
0.58 - 0.83 m	Reddish brown (2.5YR5/4-Moist); ; Sandy medium clay; 0-2%, cobbly, 60-200mm, Gravel, coarse fragments; Common (10 - 20 %), Calcareous, , Concretions;
0.83 - 1.05 m	; Medium clay; Common (10 - 20 %), Calcareous, , Soft segregations;
1.05 - 1.13 m	; Medium clay; Common (10 - 20 %), Calcareous, , Soft segregations; Common (10 - 20 %), Gypseous, , ;

Morphological Notes

Observation Notes

Site Notes

ALICE SPRINGS

Observation ID: 1

Laboratory Test Results:

Depth m	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		dS/m	Ca	Mg	K	Na			Acidity
0 - 0.05	8.9H	0.046C							
0.05 - 0.2	9.2H	0.033C							
0.2 - 0.34	9H	0.13C							
0.34 - 0.58	8.9H	0.3C							
0.58 - 0.83	8.9H	0.5C							
0.83 - 1.05	8.5H	0.79C							
1.05 - 1.13	8.1H	2C							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
								GV	CS		FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05	10C	0.33E		0.017F	0.042B	0.38B		5	23C	44	5	16
0.05 - 0.2	15C				0.03B		3	24C	39	3	18	
0.2 - 0.34	21C		0.012F			5	21C	34	3	19		
0.34 - 0.58	25C											
0.58 - 0.83	28C					5	13C	19	4	33		
0.83 - 1.05	18C											
1.05 - 1.13	7.9C											

[illegible]

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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