CSS **Project Name:**

Project Code: CSS Site ID: **NT99** Observation ID: 1

Agency Name: CSIRO Division of Soils (NT)

Site Information

Locality: Malcolm J. Wright

Desc. By: Date Desc.: Elevation: 01/05/62 No Data Map Ref.: Rainfall: Northing/Long.: 132.00722222222 Runoff: Slow

Easting/Lat.: -22.570277777778 Drainage: Moderately well drained

Geology

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data Geol. Ref.: **Substrate Material:** No Data No Data

Land Form

Rel/Slope Class: Level plain <9m <1% Pattern Type: Sand plain Morph. Type: Elem. Type: Flat Relief: 0 metres Plain **Slope Category:** No Data No Data Slope: 0 % Aspect:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A **Principal Profile Form:** N/A **ASC Confidence:** Red earth **Great Soil Group:**

Confidence level not specified

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Triodia basedowii

Mid Strata - Shrub, , . *Species includes - Cassia artemisioides

Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Pr	ofil	e M	orn	oho	logy

0 - 0.03 m	Red (2.5YR4/6-Dry); ; Clayey sand; 2-5 mm, Platy; Loose consistence; 2-10%, fine gravelly, 2-6mm, Sand, coarse fragments;
0.03 - 0.1 m	$\label{eq:Red of SYR4/6-Dry)} Red \ (2.5YR4/6-Dry); \ ; \ Clayey \ sand; \ Massive \ grade \ of \ structure; \ Very \ weak \ consistence; 20-50\%, fine \ gravelly, \ 2-6mm, \ coarse \ fragments;$
0.1 - 0.25 m	Red (2.5YR4/8-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence; 20-50%, fine gravelly, 2-6mm, coarse fragments; Common, fine (1-2mm) roots;
0.25 - 0.61 m	Red (10R4/8-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence; 20-50%, fine gravelly, 2-6mm, coarse fragments; Few, fine (1-2mm) roots; Gradual change to - $\frac{1}{2}$
0.61 - 1.21 m	Red (10R4/8-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence; 20-50%, fine gravelly, 2-6mm, coarse fragments; Few, fine (1-2mm) roots; Gradual change to -
1.21 - 1.52 m	$\label{eq:Red of Structure} Red \ (10R4/8-Moist); \ Clayey \ sand; \ Massive \ grade \ of \ structure; \ Very \ weak \ consistence; \ 20-50\%, \ fine \ gravelly, \ 2-6mm, \ coarse \ fragments;$
1.52 - 1.83 m	Red (10R4/8-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence; 20-50%, fine gravelly, 2-6mm, coarse fragments; Gradual change to - $$
1.83 - 1.98 m	Red (10R4/8-Dry); ; Sandy loam; Massive grade of structure; Weak consistence; 20-50%, fine gravelly, 2-6mm, coarse fragments; Clear change to -
1.98 - 2.18 m	Red (10R4/6-Moist); ; Sandy clay loam; Massive grade of structure; Firm consistence; 20-50%, medium gravelly, 6-20mm, Quartz, coarse fragments; Sharp change to -

Yellowish red (5YR5/6-Moist); ; Light clay; 5-10 mm, Angular blocky; Very firm consistence;

Morphological Notes

2.18 - 2.29 m

2.29 - 2.59 m

TRAVERTINE

Observation Notes

Site Notes

Project Name: Project Code: Agency Name: CSS

CSS Site ID: NT99 CSIRO Division of Soils (NT) Observation ID: 1

ALICE SPRINGS

Project Name: CSS
Project Code: CSS Site ID: NT99
Agency Name: CSIRO Division of Soils (NT) Observation ID: 1

Laboratory	rest Re	esuits:										
Depth	рН	1:5 EC		hangeable (hangeable	CEC	E	CEC	!	ESP
m		dS/m	Ca I	Иg		Na / Cmol (+)/kg	Acidity					%
0 - 0.03 0.03 - 0.1 0.1 - 0.25 0.25 - 0.61 0.61 - 1.21 1.21 - 1.52 1.52 - 1.83 1.83 - 1.98 1.98 - 2.18 2.18 - 2.29 2.29 - 2.59	6H 5.9H 6.5H 6.6H 6.4H 6.6H 7.2H 7.2H	0.003C 0.003C 0.003C 0.004C 0.005C 0.005C 0.008C 0.006C 0.01C										
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Pa GV		ize Ar FS %	nalysis Silt	
0 - 0.03 0.03 - 0.1 0.1 - 0.25 0.25 - 0.61				0.01F	0.015 0.011	B 0.076B B			61C 58C	30 31	0 3	8 7
0.61 - 1.21 1.21 - 1.52 1.52 - 1.83				0.008F		0.12B		1	46C	40	3	11
1.83 - 1.98 1.98 - 2.18 2.18 - 2.29 2.29 - 2.59				0.005F		0.15B		3 13 3	54C 45C 31C	31 27 27	1 3 12	13 22 28
Depth	Depth COLE Gravimetric/Volumetric Water Contents							K sat K unsa		t		
m		Sat.	0.05 Bar		0.5 Bar - m3/m3	1 Bar	5 Bar 15	Bar	mm/h	ı	mm/h	
0 - 0.03 0.03 - 0.1 0.1 - 0.25 0.25 - 0.61 0.61 - 1.21 1.21 - 1.52 1.52 - 1.83 1.83 - 1.98 1.98 - 2.18 2.18 - 2.29 2.29 - 2.59												

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Laboratory Analyses Completed for this profile

17A_NR Total element - K(%) - Not recorded

2_LOI Loss on Ignition (%) 2A1 Air-dry moisture content

Electrical conductivity or soluble salts - Total soluble salts % pH of soil - Not recorded Water soluble Chloride - Cl(%) - Not recordede

3A_TSS 4_NR

5_NR

7_NR Total nitrogen (%) - Not recorded 9A_NR Total element - P(%) - Not recorded

Gravel (%) P10_GRAV

P10_NR_C Clay (%) - Not recorded

P10_NR_CS P10_NR_FS P10_NR_Z Coarse sand (%) - Not recorded Fine sand (%) - Not recorded Silt (%) - Not recorded