Project Name: CAS
Project Code: CAS **Site ID:** NT66 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	W.H. Litchfield	**Locality:**	BARE OF SHRUBS: SPACING OF SMALL GRASSES & FORBES:
Date Desc.:	01/06/60	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	0
Northing/Long.:	133.728611111111	**Runoff:**	Slow
Easting/Lat.:	-23.28	**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:**	Flood plain
Morph. Type:	Flat	**Relief:**	0 metres
Elem. Type:	Plain	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.22 m	Yellowish red (5YR4/8-Moist); Yellowish red (5YR5/6-Dry); ; Sandy loam; Single grain grade of structure; Weak consistence; Field pH 7 (pH meter); Few, fine (1-2mm) roots; Diffuse change to -
A2	0.22 - 0.23 m	Red (2.5YR4/6-Moist); ; Clayey sand; 10-20 mm, Angular blocky; Strong consistence; Abrupt change to -
B2	0.23 - 0.48 m	Yellowish red (5YR4/6-Moist); Reddish yellow (7.5YR6/6-Dry); ; Clayey sand; Weak grade of structure; Firm consistence; Many, fine (1-2mm) roots;
2A	0.64 - 0.86 m	Dark reddish brown (5YR3/4-Moist); Brown (7.5YR4/4-Dry); ; Clay loam; 10-20 mm, Subangular blocky; Strong consistence; Few, fine (1-2mm) roots;
2B1	0.86 - 1.09 m	Dark red (2.5YR3/6-Moist); Yellowish red (5YR4/6-Dry); ; Sandy clay loam; Single grain grade of structure, 20-50 mm, Angular blocky; Strong consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
3A	1.09 - 1.35 m	Red (10R4/6-Moist); ; Clay loam, sandy; Strong consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments;
3B	1.35 - 2.03 m	Red (2.5YR4/6-Moist); ; Clayey sand; Single grain grade of structure; Strong consistence;
4B	2.03 - 2.26 m	; Sandy clay loam; Few (2 - 10 %), Calcareous, , Soft segregations;
4Bg	2.26 - 2.64 m	; Sandy clay loam; Diffuse change to -
4Bg	2.64 - 3.1 m	; Sandy clay loam; 50-90%, coarse gravelly, 20-60mm, Sand, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations;

Morphological Notes

2A	K2
2B1	K2
3A	K3
4B	K4

Observation Notes

FREQUENT MICA

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Site Notes

HARRY CREEK 1

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.22	7.7H	0.007C								
0.22 - 0.23										
0.22 - 0.48	8.8H	0.061C								
0.64 - 0.86	8.8H	0.18C								
0.86 - 1.09	9.2H	0.15C								
1.09 - 1.35	8.9H	0.1C								
1.35 - 2.03	8.5H	0.34C								
2.03 - 2.26	9H	0.17C								
2.26 - 2.64	8.8H	0.13C								
2.64 - 3.1	8.8H	0.13C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.22	0.01C	0.1E			0.013B			3	40C	46	10	4
0.22 - 0.23												
0.22 - 0.48	0.01C	0.18E			0.029B				23C	30	9	38
0.64 - 0.86	0.05C	0.24E			0.025B				17C	38	37	8
0.86 - 1.09	1.5C	0.22E			0.019B				40C	42	15	3
1.09 - 1.35	0.03C	0.025E			0.008B			2	44C	38	10	8
1.35 - 2.03	0.56C	0.072E			0.018B			5	30C	21	5	44
2.03 - 2.26	0.31C				0.006B			7	60C	21	2	17
2.26 - 2.64	0.01C				0.005B			8	69C	12	2	17
2.64 - 3.1	0.01C				0.005B			2	69C	11	2	18

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.22										
0.22 - 0.23										
0.22 - 0.48										
0.64 - 0.86										
0.86 - 1.09										
1.09 - 1.35										
1.35 - 2.03										
2.03 - 2.26										
2.26 - 2.64										
2.64 - 3.1										

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Laboratory Analyses Completed for this profile

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 recordede
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - 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