

Project Name: CAE
Project Code: CAE **Site ID:** A391 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	19/06/56	Elevation:	610 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	133.966666666667	Runoff:	Slow
Easting/Lat.:	-23.766666666667	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:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	1 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
Haplic Eutrophic Red Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Alluvial soil
All necessary analytical data are available.			

Site Disturbance:

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Mid Strata - Shrub, , . *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.14 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Very weak consistence; 2-10%, fine gravelly, 2-6mm, Other, coarse fragments; Sharp change to -
0.14 - 0.2 m	Yellowish red (5YR4/6-Moist); ; Fine sandy loam; Massive grade of structure; Firm consistence; Abrupt change to -
0.2 - 0.45 m	Reddish brown (5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Firm consistence; 2-10%, fine gravelly, 2-6mm, Other, coarse fragments; Diffuse change to -
0.45 - 0.75 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Abrupt change to -
0.75 - 0.88 m	Yellowish red (5YR4/8-Moist); ; Clay loam, fine sandy; Massive grade of structure; Firm consistence; 2-10%, fine gravelly, 2-6mm, Other, coarse fragments;
1.08 - 1.36 m	; Sandy loam; 0-2%, coarse gravelly, 20-60mm, Other, coarse fragments;
1.36 - 1.65 m	; Sand; 2-10%, medium gravelly, 6-20mm, Other, coarse fragments;
1.8 - 1.95 m	; Clay loam, fine sandy;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.14	7.9H	0.024C	3.8K	1.1	17	0.15				
0.14 - 0.2	7.8H	0.019C	8.2K	2	1.2 24 1.5	0.14				
0.2 - 0.45	8.1H	0.009C								
0.45 - 0.75	8.1H	0.015C								
0.75 - 0.88	7.8H	0.025C	11.7K	2.9	1.1	0.48				
1.08 - 1.36	8.1H	0.015C								
1.36 - 1.65	8.2H	0.01C								
1.83 - 1.98	8.3H	0.027C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size		Analysis		
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS %	Silt Clay	
0 - 0.14	0.01C			0.042F	0.028B			6	36C	51	6	7
0.14 - 0.2	0.01C			0.045F	0.05B							
0.2 - 0.45	0.01C											
0.45 - 0.75	0.01C											
0.75 - 0.88	0.01C											
1.08 - 1.36	0.01C											
1.36 - 1.65	0.01C											
1.83 - 1.98	0.03C											
								17C	38	28	18	

[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
19B_NR	Calcium Carbonate (CaCO ₃) - 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
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