

Project Name: CAE  
Project Code: CAE Site ID: A390 Observation ID: 1  
Agency Name: CSIRO Division of Soils (NT)

**Site Information**

Desc. By:	E.A. Jackson	Locality:	
Date Desc.:	15/06/56	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:	133.206388888889	Runoff:	Rapid
Easting/Lat.:	-24.608055555556	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:	Rolling low hills 30-90m 10-	Pattern Type:	Low hills
Morph. Type:	Simple-slope	Relief:	12 metres
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	0 %	Aspect:	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

Australian Soil Classification:	Mapping Unit:	N/A
Calcic Subnatric Red Sodosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	N/A

No analytical data are available but confidence is fair.

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

**Vegetation:**

Tall Strata - Shrub, 1.01-3m, . \*Species includes - None Recorded

**Surface Coarse Fragments:** 2-10%, cobbly, 60-200mm, ,

**Profile Morphology**

0 - 0.15 m	Red (2.5YR5/8-Moist); ; Fine sandy loam; Massive grade of structure; Firm consistence; 2-10%, cobbly, 60-200mm, coarse fragments;
0.15 - 0.38 m	Dark red (10R3/6-Moist); ; Medium clay; Massive grade of structure; Weak grade of structure; Very firm consistence;
0.38 - 0.51 m	; Medium clay; , Columnar; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
0.51 - 0.76 m	; Medium clay; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
0.9 - 1.13 m	; Medium clay; Very firm consistence; 0-2%, cobbly, 60-200mm, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Few (2 - 10 %), Gypseous, , Crystals;

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0 - 0.15	7.2H	0.028C	1.7K	0.8	0.46	0.37				
0.15 - 0.38	6.9H	1.1C								
0.38 - 0.51	7.7H	1.6C								
0.51 - 0.76	7.8H	1.7C								
0.9 - 1.13	7.8H	5.4C								

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 - 0.15				0.016F	0.02B			12	9C	81	4	5
0.15 - 0.38									7C	49	3	40
0.38 - 0.51									7C	43	1	44
0.51 - 0.76	3.3C											
0.9 - 1.13	5C							6	8C	36	8	40

[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 <sub>3</sub> ) - 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
XRD_C_Hm	Hematite - X-Ray Diffraction
XRD_C_Il	Illite - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction