Project Name: COL
Project Code: COL **Site ID:** B474 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: R.F. Isbell
Date Desc.: 07/08/61
Map Ref.: Sheet No. : 8456 1:100000
Northing/Long.: 147.791666666667
Easting/Lat.: -20.9194444444445
Locality:
Elevation: No Data
Rainfall: 0
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

ExposureType: Soil pit
Geol. Ref.: Puw
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Soil pit, 0.23 m deep,Sandstone

Land Form

Rel/Slope Class: No Data
Morph. Type: Crest
Elem. Type: No Data
Slope: 0 %
Pattern Type: No Data
Relief: 12 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Epipedal Red Vertosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Ug5.37
Great Soil Group: Red clay

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Bothriochloa ewartiana

Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus dichromophloia, Eucalyptus crebra

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, , Substrate material

Profile Morphology

A1	0 - 0.02 m	Reddish brown (5YR4/3-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Granular; Dry; Firm consistence; Field pH 7.2 (pH meter); Sharp change to -
B2	0.02 - 0.23 m	Dark red (2.5YR3/5-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 7.3 (pH meter); Gradual change to -
C	0.23 - 0.38 m	Yellowish red (5YR4/6-Moist); ; Heavy clay; Massive grade of structure; Dry; Firm consistence; 10-20%, Sandstone, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 7.5 (pH meter);

Morphological Notes

Observation Notes

SURFACE 6MM IS A FRAGILE CRUST WITH MODERATE 2-5MM PLATY STRUCTURE:C HORIZON SHOWS LAMINA ROCK FABRIC:

Site Notes

COLLINSVILLE

Project Name: COL
Project Code: COL **Site ID:** B474 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.02	7.2H	0.16B								
0.02 - 0.23	7.3H	0.02B	27.8K	10.9	0.61	0.07	3.6D			
0.23 - 0.38	7.5H	0.02B	29.4K	86	0.26	0.04	2.1D			

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 - 0.02		1A	100C					6	13C	32	17	34
0.02 - 0.23		1.1A	9C	0.051F	0.102B				10C	21	16	52
0.23 - 0.38			272C	0.072F				10	2C	5	12	79

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 - 0.02									
0.02 - 0.23									
0.23 - 0.38									

Project Name: **COL**
Project Code: **COL** **Site ID:** **B474** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (QLD)**

Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_H	Hydrogen Cation - 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
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recordede
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - 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