

Project Name: COL
Project Code: COL **Site ID:** B485 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	Locality:	
Date Desc.:	20/07/61	Elevation:	No Data
Map Ref.:	Sheet No. : 8456 1:100000	Rainfall:	0
Northing/Long.:	147.995833333333	Runoff:	Rapid
Easting/Lat.:	-20.783333333333	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Plb	Substrate Material:	Auger boring, 1 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Eutrophic Red Chromosol		Principal Profile Form:	Dr2.32
ASC Confidence:		Great Soil Group:	Red-brown earth
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus, Bothriochloa ewartiana
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.3 m	Brown (10YR4/3-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6 (pH meter); Gradual change to -
A2	0.3 - 0.46 m	Strong brown (7.5YR5/6-Moist); ; Loam; Massive grade of structure; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6 (pH meter); Abrupt change to -
B21	0.46 - 0.76 m	Red (2.5YR4/6-Moist); ; Sandy medium clay; Weak grade of structure, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, , Nodules; Field pH 6.3 (pH meter); Gradual change to -
B22	0.76 - 1.12 m	Yellowish red (5YR5/6-Moist); ; Sandy medium clay; Moderate grade of structure, Angular blocky; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, , Soft segregations; Field pH 7 (pH meter); Gradual change to -
BC	1.12 - 1.42 m	Yellowish brown (10YR5/4-Moist); ; Light clay; Massive grade of structure; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, , Soft segregations; Field pH 7.4 (pH meter);

Morphological Notes

Observation Notes

FAINT SPORADIC BLEACH AT BASE OF A2 HORIZON:

Site Notes

COLLINSVILLE

Observation ID: 1

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 - 0.3	6H	0.01B	1.8K	0.65	0.4	0.12	2D			
0.3 - 0.46	6H	0.01B								
0.46 - 0.76	6.3H	0.01B	6K	3.5	0.23	0.49	3.9D			
0.76 - 1.12	7H	0.03B	5.1K	2.7	0.18	0.55	1.7D			
1.12 - 1.42	7.4H	0.09B								

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 - 0.3		0.3A	5C	0.014F	0.038B				12C	62	16	8
0.3 - 0.46		0.14A	1C									
0.46 - 0.76		0.19A	2C					0	9C	43	12	36
0.76 - 1.12				0.015F				3	13C	48	12	27
1.12 - 1.42				0.014F								

[illegible]

Project Name: COL
Project Code: COL **Site ID:** B485 **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 recorded
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