Project Name: COL
Project Code: COL **Site ID:** B483 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	**Locality:**	
Date Desc.:	22/07/61	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8456 1:100000	**Rainfall:**	0
Northing/Long.:	147.875	**Runoff:**	Moderately rapid
Easting/Lat.:	-20.7527777777778	**Drainage:**	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Terrace (alluvial)
Morph. Type:	No Data	**Relief:**	15 metres
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Red Chromosol
ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: Dr4.32
Great Soil Group: Non-calcic brown soil

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

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.2 m	Brown (10YR4/3-Moist); ; Sand; Massive grade of structure; Dry; Very weak consistence; Field pH 6.8 (pH meter); Gradual change to -
A12	0.2 - 0.41 m	Brown (10YR4/3-Moist); ; Sand; Massive grade of structure; Dry; Very weak consistence; Field pH 7.8 (pH meter); Gradual change to -
A2	0.41 - 0.61 m	Strong brown (7.5YR4/5-Moist); ; Loamy sand; Massive grade of structure; Dry; Very weak consistence; Field pH 7.4 (pH meter); Clear, Wavy change to -
B21	0.61 - 0.91 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam; Moderate grade of structure, Angular blocky; Dry; Very firm consistence; Field pH 7.3 (pH meter); Gradual change to -
B22	0.91 - 1.22 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Very firm consistence; Field pH 7.7 (pH meter); Gradual change to -
BC	1.22 - 1.56 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Moderately moist; Firm consistence; Field pH 8.2 (pH meter);

Morphological Notes

Observation Notes

Site Notes

COLLINSVILLE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Cmol (+)/kg							%
0 - 0.2	6.8H	0.01B	3.4K	0.05	0.22	0.04	0.51D			
0.2 - 0.41	7.8H	0.02B								
0.41 - 0.61	7.4H	0.01B								
0.61 - 0.91	7.3H	0.01B	5.5K	3.5	0.25	0.18	1.2D			
0.91 - 1.22	7.7H	0.01B								
1.22 - 1.56	8.2H	0.03B	7.1K	4.2	0.31	0.12	0D			

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 - 0.2		0.26A	46C	0.021F	0.03B			0	40C	45	10	5
0.2 - 0.41			35C									
0.41 - 0.61			51C									
0.61 - 0.91			82C					0	28C	40	10	21
0.91 - 1.22												
1.22 - 1.56			260C	0.052F				0	25C	43	9	24

Depth	COLE	Gravimetric/Volumetric Water Contents Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	K sat	K unsat
m		g/g - m3/m3							mm/h	mm/h
0 - 0.2										
0.2 - 0.41										
0.41 - 0.61										
0.61 - 0.91										
0.91 - 1.22										
1.22 - 1.56										

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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_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