

Project Name: COL
Project Code: COL **Site ID:** B475 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	Locality:	
Date Desc.:	26/07/61	Elevation:	No Data
Map Ref.:	Sheet No. : 8456 1:100000	Rainfall:	0
Northing/Long.:	147.8	Runoff:	Moderately rapid
Easting/Lat.:	-20.913888888889	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Puw	Substrate Material:	Soil pit, 0.84 m deep, Sandstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Crest	Relief:	9 metres
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol		Principal Profile Form:	Dr2.22
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, , Closed or dense. *Species includes - Bothriochloa ewartiana, Heteropogon contortus

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Brown (7.5YR4/2-Moist); ; Sandy loam; Massive grade of structure; Dry; Weak consistence; Field pH 7.1 (pH meter); Gradual change to -
A2	0.13 - 0.25 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, rounded, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.7 (pH meter); Clear change to -
B2	0.25 - 0.51 m	Red (2.5YR4/8-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Sandstone, coarse fragments; Field pH 6.8 (pH meter); Gradual change to -
B2	0.51 - 0.84 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; 2-10%, Sandstone, coarse fragments; Field pH 6.9 (pH meter); Gradual change to -
C	0.84 - 0.91 m	; Field pH 7.1 (pH meter);

Morphological Notes

C YB(10YR 5/4) weathered SST with red light clay pockets.

Observation Notes

Site Notes

COLLINSVILLE

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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				Comol (+)/kg				%
0 - 0.13	7.1H	0.03B	5.5K	1.8	0.67	0	2.6D			
0.13 - 0.25	6.7H	0.01B								
0.25 - 0.51	6.8H	0.01B	9.3K	5.2	0.36	0	5.4D			
0.51 - 0.84	6.9H	0.01B								
0.84 - 0.91	7.1H	0.01B								

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 - 0.13		0.68A	6C	0.026F	0.061B			4	44C	27	12	14
0.13 - 0.25		0.4A	3C					3	40C	26	14	22
0.25 - 0.51		0.25A	2C					0	18C	14	9	59
0.51 - 0.84												
0.84 - 0.91			9C	0.026F								

[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_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