

Project Name: COL
Project Code: COL **Site ID:** B478 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	Locality:	
Date Desc.:	14/07/61	Elevation:	No Data
Map Ref.:	Sheet No. : 8456 1:100000	Rainfall:	0
Northing/Long.:	147.825	Runoff:	Slow
Easting/Lat.:	-20.8111111111111	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Puw	Substrate Material:	Auger boring, 1.8 m deep, Clay

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous-Epihypersodic Epipedal Grey Vertosol		Principal Profile Form:	Ug5.25
ASC Confidence:		Great Soil Group:	Grey clay
All necessary analytical data are available.			

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

Vegetation:

Tall Strata - Tussock grass, 0.26-0.5m, Closed or dense. *Species includes - *Astrebula* species, *Bothriochloa* species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.15 m	Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Strong grade of structure, 2-5 mm, Granular; Dry; Loose consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8.3 (pH meter); Gradual change to -
B2	0.15 - 0.46 m	Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8.8 (pH meter); Gradual change to -
B2	0.61 - 0.91 m	Brown (10YR4/3-Moist); ; Heavy clay; Weak grade of structure, Lenticular; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Calcareous, , Nodules; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 7.9 (pH meter); Gradual change
B2	0.91 - 1.22 m	Brown (10YR4/3-Moist); ; Heavy clay; , Lenticular; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, , Nodules; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 7.7 (pH meter); Gradual change to -
C	1.22 - 1.52 m	Dark yellowish brown (10YR4/4-Moist); ; Heavy clay; Massive grade of structure; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.3 (pH meter); Gradual change to -
C	1.52 - 1.78 m	Dark yellowish brown (10YR4/4-Moist); ; Heavy clay; Massive grade of structure; Moderately moist; Very firm consistence; Field pH 8.6 (pH meter); Clear change to -
D	1.78 - 2.29 m	Dark yellowish brown (10YR4/4-Moist); ; Medium clay; Massive grade of structure; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.7 (pH meter);

Morphological Notes

Observation Notes

0-15CM GRANULAR GRADING TO BLOCKY STRUCTURE. CLOSE CRACK PATTERN TO DEPTHS UP TO 60-90CM.

Site Notes

COLLINSVILLE

Observation ID: 1

[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
19B_NR	Calcium Carbonate (CaCO ₃) - 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