

**Project Name:** COL  
**Project Code:** COL      **Site ID:** B468      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	R.F. Isbell	<b>Locality:</b>	
<b>Date Desc.:</b>	08/08/61	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8456 1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	147.947222222222	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-20.8611111111111	<b>Drainage:</b>	Poorly drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Puw	<b>Substrate Material:</b>	Auger boring, 1.2 m deep,Shale

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	Ridge	<b>Relief:</b>	15 metres
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Self-mulching

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Epicalcareous-Endohypersodic Self-Mulching Brown Vertosol	<b>Principal Profile Form:</b>	Ug5.33

**ASC Confidence:**

All necessary analytical data are available.

**Great Soil Group:**

Brown clay

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

**Vegetation:**

Low Strata - Tussock grass, , . \*Species includes - None recorded  
Mid Strata - Shrub, , . \*Species includes - Carissa ovata, Enchylaena tomentosa  
Tall Strata - Tree, 3.01-6m, Mid-dense. \*Species includes - Acacia harpophylla, Bassia species

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.04 m	Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 5-10 mm, Granular; Dry; Loose consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 7.5 (pH meter); Sharp change to -
B2	0.04 - 0.3 m	Brown (10YR4/3-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8.6 (pH meter); Gradual change to -
B2	0.3 - 0.61 m	Brown (10YR4/3-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8.6 (pH meter); Gradual change to -
B2	0.61 - 0.91 m	Brown (10YR4/3-Moist); ; Heavy clay; , Lenticular; Dry; Very firm consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8.3 (pH meter); Gradual change to -
B2	0.91 - 1.22 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; , Lenticular; Moderately moist; Firm consistence; 2-10%, Shale, coarse fragments; Field pH 7.1 (pH meter); Gradual change to -
C	1.22 - 1.52 m	Light yellowish brown (10YR6/4-Moist); ; Medium clay; Massive grade of structure; Moderately moist; Firm consistence; 20-50%, Shale, coarse fragments; Field pH 5.2 (pH meter); Gradual change to -
C	1.52 - 1.68 m	; Field pH 4.8 (pH meter);

**Morphological Notes**

C As above with numerous fragments of weathered shale.

**Observation Notes**

CALCAREOUS SEGREGATIONS BOTH SOFT AND NODULES:

**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 <sub>3</sub> ) - 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