

**Project Name:** COL  
**Project Code:** COL      **Site ID:** B486      **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>	19/07/61	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8456 1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	147.876388888889	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-20.791666666667	<b>Drainage:</b>	Moderately well 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 m deep, Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<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):** Firm

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Calcic Brown Chromosol		<b>Principal Profile Form:</b>	Gn3.76
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	No suitable
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  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - None Recorded

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

**Profile Morphology**

A1	0 - 0.18 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Dry; Very weak consistence; 2-10%, Quartz, coarse fragments; Field pH 6.9 (pH meter); Clear
A2	0.18 - 0.25 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Dry; Weak consistence; 2-10%, Quartz, coarse fragments; Field pH 7.1 (pH meter); Clear change to -
B1	0.25 - 0.38 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam; Weak grade of structure, Prismatic; Weak grade of structure, 50-100 mm, Angular blocky; Dry; Firm consistence; 2-10%, Quartz, coarse fragments; Field pH 7 (pH meter); Gradual change to -
B2	0.38 - 0.76 m	Yellowish brown (10YR5/7-Moist); ; Clay loam; Weak grade of structure, 50-100 mm, Angular blocky; Dry; Firm consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Field pH 6.8 (pH meter); Gradual change to -
B2	0.76 - 1.02 m	Yellowish brown (10YR5/4-Moist); ; Light clay; Massive grade of structure; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, coarse fragments; Few (2 - 10 %), Calcareous, , Nodules; Field pH 8.3 (pH meter); Clear change to -
C	1.02 - 1.22 m	Strong brown (7.5YR5/6-Moist); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, subrounded, coarse fragments; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8.6 (pH meter);

**Morphological Notes**

**Observation Notes**

SUBSTRATE IS OLD ALLUVIUM:

**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 - 0.18	6.9H	0.02B	3.1K	0.99	0.2	0.06	1.3D			
0.18 - 0.25	7.1H	0.01B								
0.25 - 0.38	7H	0.01B								
0.38 - 0.76	6.8H	0.01B	5.7K	3	0.43	0.12	2.8D			
0.76 - 1.02	8.3H	0.05B	12.7K	5.1	0.38	0.19	0.15D			
1.02 - 1.22	8.6H	0.05B					2D			

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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