

Project Name: COL
Project Code: COL **Site ID:** B480 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	Locality:	
Date Desc.:	23/07/61	Elevation:	No Data
Map Ref.:	Sheet No. : 8456 1:100000	Rainfall:	0
Northing/Long.:	147.838888888889	Runoff:	Moderately rapid
Easting/Lat.:	-20.791666666667	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Puw	Substrate Material:	Soil pit, 1.2 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Terrace (alluvial)
Morph. Type:	No Data	Relief:	No Data
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
Calcic Subnatric Black Sodosol		Principal Profile Form:	Dd1.33
ASC Confidence:		Great Soil Group:	Solodic soil
All necessary analytical data are available.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eremophila mitchellii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Dark brown (7.5YR3/4-Moist); ; Clay loam; Massive grade of structure; Dry; Weak consistence; Very few (0 - 2 %), Manganiferous, , Soft segregations; Field pH 6.5 (pH meter); Abrupt change to -
B21	0.13 - 0.36 m	Dark brown (7.5YR3/2-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 7 (pH meter); Gradual change to -
B22	0.36 - 0.76 m	Dark brown (7.5YR3/4-Moist); ; Medium clay; Weak grade of structure, Angular blocky; Dry; Very firm consistence; Common (10 - 20 %), Calcareous, , Nodules; Field pH 8.7 (pH meter); Gradual change to -
BC	0.76 - 1.17 m	Brown (10YR4/3-Moist); ; Light clay; Massive grade of structure; Dry; Firm consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8.7 (pH meter); Gradual change to -
C	1.17 - 1.52 m	Yellowish brown (10YR5/5-Moist); ; Clay loam, fine sandy; Massive grade of structure; Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.3 (pH meter);

Morphological Notes

Observation Notes

SPORADIC BLEACH AT BASE OF A HORIZON:CALCAREOUS SEGREGATIONS BOTH SOFT AND NODULAR:

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				Comol (+)/kg				%
0 - 0.13	6.5H	0.03B	11.3K	4	0.29	0.56	3.5D			
0.13 - 0.36	7H	0.1B	14.3K	10.2	0.27	2.6	3D			
0.36 - 0.73	8.7H	0.3B								
0.76 - 1.17	8.7H	0.21B	10.5K	8.6	0.33	4.2	0D			
1.17 - 1.52	8.3H	0.14B								

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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