

Project Name: CB
Project Code: CB **Site ID:** B407 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	22/05/59	Elevation:	152 metres
Map Ref.:	Sheet No. : 9246 1:100000	Rainfall:	762
Northing/Long.:	151.856111111111	Runoff:	Slow
Easting/Lat.:	-25.7380555555556	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czub	Substrate Material:	Auger boring, 1.4 m deep, Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry): Surface crust, Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Massive Grey Vertosol		Principal Profile Form:	Ug5.5
ASC Confidence:		Great Soil Group:	Grey clay
All necessary analytical data are available.			

Site Disturbance:

Vegetation:

Tall Strata - Tree, , Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Dark grey (10YR4/1-Moist); Grey (10YR5/1-Dry); ; Fine sandy medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Field pH 6.5 (pH meter); Clear change to -
B2	0.05 - 0.15 m	Dark grey (10YR4/1-Moist); ; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Field pH 7 (pH meter); Gradual change to -
B2	0.15 - 0.25 m	Dark grey (10YR4/1-Moist); ; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Field pH 8 (pH meter); Gradual change to -
B2	0.25 - 0.38 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; Field pH 8.4 (pH meter); Gradual change to -
B2	0.38 - 0.56 m	Greyish brown (2.5Y5/2-Moist); ; Light clay; Moderate grade of structure, Angular blocky; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter); Gradual change to -
B	0.56 - 0.91 m	Dark greyish brown (10YR4/2-Moist); ; Light clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Manganiferous, , Concretions; Common (10 - 20 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter); Diffuse change to -
B	1.07 - 1.22 m	Pale brown (10YR6/3-Moist); , 10YR76; Light clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; Few (2 - 10 %), Manganiferous, , Concretions; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter); Diffuse change to -
C	1.37 - 1.52 m	Dark greyish brown (10YR4/2-Moist); , 5Y73; Fine sandy medium clay; Massive grade of structure; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, , Concretions; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9 (pH meter); Diffuse change to -
C	1.68 - 1.83 m	Pale yellow (5Y7/4-Moist); , 10YR42; Fine sandy medium clay; Massive grade of structure; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, , Concretions; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.6 (pH meter);

Morphological Notes

Observation Notes

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BELOW 160CM ALSO SOME CALCAREOUS NODULES:

Site Notes

CENTRAL BURNET

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[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 (CaCO3) - 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
P3A_NR	Bulk density - Not recorded
P3B_VL_01	0.1 BAR Moisture m3/m3 - Volumetric using suction plate