

Project Name: CB
Project Code: CB **Site ID:** B402 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	20/05/59	Elevation:	128 metres
Map Ref.:	Sheet No. : 9246 1:100000	Rainfall:	762
Northing/Long.:	151.988888888889	Runoff:	Moderately rapid
Easting/Lat.:	-25.5069444444445	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Plb	Substrate Material:	Soil pit, 0.69 m deep, Detrital sedimentary rock (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	20 metres
Elem. Type:	No Data	Slope Category:	No Data
Slope:	5.25 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Magnesian Mesonatric Grey Sodosol		Principal Profile Form:	Dy2.41
ASC Confidence:		Great Soil Group:	Soloth
All necessary analytical data are available.			

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

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Grey (10YR5/1-Moist); ; Loamy coarse sand; Massive grade of structure; Moderately moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.2 (pH meter); Abrupt change to -
A2	0.08 - 0.2 m	White (10YR8/2-Moist); ; Coarse sand; Massive grade of structure; Moderately moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Abrupt change to -
B2	0.2 - 0.3 m	Pale brown (10YR6/3-Moist); ; Light clay; 100-200 mm, Columnar; 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.7 (pH meter); Gradual change to -
B2	0.3 - 0.46 m	Brown (10YR5/3-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.8 (pH meter); Gradual change to -
BC	0.51 - 0.69 m	Very dark greyish brown (2.5Y3/2-Moist); , 7.5YR4/4; Light clay; Massive grade of structure; Moderately moist; Very firm consistence; 20-50%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.8 (pH meter); Gradual change to -
C	0.69 - 0.91 m	; Field pH 6.3 (pH meter);

Morphological Notes

C Dark grey brown micaceous clayey grit:20-50% 2-6mm qz.gr.

Observation Notes

DARK GREYISH BROWN 10YR4/2 PED SURFACES IN B HORIZON: CRACKS THROUGH B2HORIZON TO 30CM:

Site Notes

CENTRAL BURNET

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
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
MIN_EC	Exchange Capacity - Minerology
MIN_NR_K2O	Kaolin minerals
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
P3B_VL_15	15 BAR Moisture m3/m3 - Volumetric using pressure plate
XRD_C_II	Illite - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Mm	Montmorillonite - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction