

Project Name: CB
Project Code: CB **Site ID:** B411 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	03/06/59	Elevation:	244 metres
Map Ref.:	Sheet No. : 9246 1:100000	Rainfall:	762
Northing/Long.:	151.518333333333	Runoff:	Rapid
Easting/Lat.:	-25.75	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Pgw	Substrate Material:	Soil pit, 0.89 m deep, Granite

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	7 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Red Chromosol		Principal Profile Form:	Dr4.62
ASC Confidence:		Great Soil Group:	Red podzolic soil
All necessary analytical data are available.			

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

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Moist; Loose consistence; 10-20%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6.6 (pH meter); Clear change to -
A2	0.1 - 0.25 m	Reddish brown (5YR4/4-Moist); ; Sand; Single grain grade of structure; Moist; Loose consistence; 20-50%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6.5 (pH meter); Gradual change to -
A3	0.25 - 0.36 m	Reddish brown (5YR4/4-Moist); ; Clayey sand; Massive grade of structure; Moist; Loose consistence; 20-50%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6.6 (pH meter); Clear change to -
B21	0.41 - 0.58 m	Dark red (2.5YR3/6-Moist); ; Light clay; Massive grade of structure; Moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6.5 (pH meter); Gradual change to -
B22	0.58 - 0.89 m	Dark red (2.5YR3/6-Moist); ; Clay loam; Massive grade of structure; Moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6.5 (pH meter); Diffuse change to -
C	0.89 - 1.17 m	Red (2.5YR4/6-Moist); , 7.5YR66; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 50-90%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 6.5 (pH meter); Diffuse change to -
C	1.68 - 1.83 m	Red (2.5YR4/6-Moist); , 7.5YR66; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 50-90%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 6.8 (pH meter);

Morphological Notes

Observation Notes

Site Notes

CENTRAL BURNET

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol	(+)/kg		
0 - 0.1	6.6H	0.013B	3.2K	0.8	0.28	0	1.4D		
0.1 - 0.25	6.5H	0.007B							
0.25 - 0.36	6.6H	0.006B							
0.41 - 0.58	6.5H	0.007B	3.1K	1.1	0.37	0.1	2.3D		
0.58 - 0.89	6.5H	0.006B							
0.89 - 1.17	6.5H	0.005B							
1.68 - 1.83	6.8H	0.005B							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.1		0.89A	20C	0.018F	0.06B		1.50	20	59C	23	7	6
0.1 - 0.25												
0.25 - 0.36												
0.41 - 0.58		0.2A	6C	0.022F	0.03B		1.80	30	34C	21	9	37
0.58 - 0.89												
0.89 - 1.17												
1.68 - 1.83			10C	0.027F								

[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
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