

Project Name: CB
Project Code: CB **Site ID:** B436 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	02/05/60	Elevation:	213 metres
Map Ref.:	Sheet No. : 9146 1:100000	Rainfall:	635
Northing/Long.:	151.23	Runoff:	Rapid
Easting/Lat.:	-25.5611111111111	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cic	Substrate Material:	Soil pit, 0.84 m deep, No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	6.12 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Calcic Red Dermosol		Principal Profile Form:	Gn3.13
ASC Confidence:		Great Soil Group:	No suitable

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.06 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam; Moderate grade of structure, Granular; Dry; Weak consistence; Field pH 6.8 (pH meter); Clear change to -
A2	0.06 - 0.16 m	Reddish brown (5YR4/4-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Prismatic; Weak grade of structure, 20-50 mm, Angular blocky; Coarse (>5mm) macropores, Dry; Weak consistence; Field pH 7.7 (pH meter); Gradual change to -
B1	0.16 - 0.32 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Prismatic; Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Manganiferous, , Nodules; Field pH 8.1 (pH meter); Clear change to -
B2	0.34 - 0.53 m	Red (2.5YR4/6-Moist); ; Heavy clay; Strong grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Moist; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.2 (pH meter); Gradual change to -
B2	0.53 - 0.76 m	Red (2.5YR4/6-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moist; Very firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 8.3 (pH meter); Diffuse change to -
C	0.84 - 1.22 m	; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 8.6 (pH meter);

Morphological Notes

C B & LB weathering rock with pockets of clay & calcite vein.

Observation Notes

0-6CM POROUS GRANULAR GRADING TO MASSIVE. 32-34CM STONELINE 50% GRAVEL UP TO 100MM DIAMETER.

Site Notes

CENTRAL BURNET

Project Name: CB
Project Code: CB Site ID: B436 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

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 - 0.06	6.8H	0.05B								
0.06 - 0.16	7.7H	0.05B	31.6K	2	1.1	0.26	0D			
0.16 - 0.32	8.1H	0.05B								
0.34 - 0.53	8.2H	0.05B	25K	7.3	0.18	0.35	0D			
0.53 - 0.76	8.3H	0.06B								
0.84 - 1.22	8.6H	0.06B								

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 - 0.06												
0.06 - 0.16		3.2A						0	11C	37	12	35
0.16 - 0.32												
0.34 - 0.53	0.34C	0.4A	1C					0	5C	24	10	62
0.53 - 0.76												
0.84 - 1.22			430C	0.065F								

[illegible]

Project Name: CB
Project Code: CB **Site ID:** B436 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

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
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