

Project Name: CB
Project Code: CB **Site ID:** B414 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	05/06/59	Elevation:	211 metres
Map Ref.:	Sheet No. : 9246 1:100000	Rainfall:	762
Northing/Long.:	151.856111111111	Runoff:	Moderately rapid
Easting/Lat.:	-25.655	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Plb	Substrate Material:	Soil pit, 1.1 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	9 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Ferrosol		Principal Profile Form:	Gn3.12
ASC Confidence:		Great Soil Group:	Euchrozem

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Chloris species, Bothriochloa bladhii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: 10-20%, stony, 200-600mm, , Basalt

Profile Morphology

A11	0 - 0.12 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam; Strong grade of structure, 5-10 mm, Angular blocky; Few (<1 per 100mm2) macropores, Moist; Weak consistence; 0-2%, Basalt, coarse fragments; Field pH 6.9 (pH meter); ManyGradual change to -
B1	0.12 - 0.28 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Polyhedral; Few (<1 per 100mm2) macropores, Moist; Weak consistence; 0-2%, Basalt, coarse fragments; Field pH 6.6 (pH meter); Gradual change to -
B21	0.28 - 0.56 m	Dark reddish brown (2.5YR3/4-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Dry; Very firm consistence; Field pH 6.7 (pH meter); Gradual change to -
B22	0.56 - 0.85 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Dry; 0-2%, medium gravelly, 6-20mm, Basalt, coarse fragments; Field pH 6.6 (pH meter); Gradual change to -
BC	0.85 - 1.12 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Weak grade of structure, 5-10 mm, Polyhedral; Dry; 2-10%, coarse gravelly, 20-60mm, Basalt, coarse fragments; Field pH 6.7 (pH meter);
C	1.12 - 1.22 m	;

Morphological Notes

C Weathering basalt boulders

Observation Notes

0-6MM FINE POROUS GRANULAR STRUCTURE:BELOW 12CM BRITTLE CLAY AGGREGATES(NODS.) INCREASING SLIGHTLY WITH DEPTH TO 112CM:

Site Notes

CENTRAL BURNET

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Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.12	6.9H	0.02B	25.6K	2.4	1.7	0.25	10.7D			
0.12 - 0.28	6.6H	0.02B								
0.28 - 0.56	6.7H	0.01B	14K	1.3	0.5	0.17	7.8D			
0.56 - 0.85	6.6H	0.01B								
0.85 - 1.12	6.7H	0.01B								

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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