СВ **Project Name:**

Project Code: Site ID: B405 Observation ID: 1 CB

Agency Name: **CSIRO** Division of Soils (QLD)

Site Information

C.J. de Mooy Locality:

Desc. By: Date Desc.: Elevation: 21/05/59 152 metres Sheet No.: 9246 1:100000 Map Ref.: Rainfall: 762 Northing/Long.: 151.78777777778 Runoff: Rapid -25.547222222222 Drainage: Well drained Easting/Lat.:

Geology

ExposureType: Conf. Sub. is Parent. Mat.: No Data Soil pit

Geol. Ref.: **Substrate Material:** Soil pit, 0.41 m deep, Aplite Qa

Land Form

Rel/Slope Class: No Data Pattern Type: Hills Morph. Type: Elem. Type: Upper-slope Relief: No Data **Slope Category:** No Data Hillslope No Data Slope: Aspect: 7 %

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Haplic Eutrophic Red Chromosol Principal Profile Form: Dr2.22

ASC Confidence: Great Soil Group: Non-calcic brown

No analytical data are available but confidence is fair. soil

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: 0-2%, bouldery, 600mm-2m, ,

Profile Morphology

A1	0 - 0.08 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Dry; Firm consistence; 0-2%, medium gravelly, 6-20mm, coarse fragments; Field pH 6.9 (pH meter); Clear change to -
A2	0.08 - 0.15 m	Reddish brown (5YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Firm consistence; Field pH 6.7 (pH meter); Clear change to -
B2	0.15 - 0.3 m	Dark reddish brown (2.5YR3/4-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Field pH 6.9 (pH meter); Gradual change to -
ВС	0.3 - 0.41 m	Dark reddish brown (5YR3/4-Moist); , 2.5YR34; Medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Massive grade of structure; Dry; Very firm consistence; Field pH 7.3 (pH meter); Gradual change to -
С	0.41 - 0.69 m	; Field pH 7.4 (pH meter);

Morphological Notes

Weathered rock with clay pockets.

Observation Notes

MINOR POCKETS OF WEATHERED ROCK BELOW 30CM:

Site Notes

CENTRAL BURNET

Project Name: CB
Project Code: CB Site ID: B40
Agency Name: CSIRO Division of Soils (QLD) B405 Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Vig	Cations K	E: Na	xchangeable Acidity	CEC	ECE	C ESP
m		dS/m	Ga i	vig	N.	Cmol (+)/kg				%
0 - 0.08 0.08 - 0.05 0.15 - 0.3 0.3 - 0.41 0.41 - 0.69	6.9H 6.7H 6.9H 7.3H 7.4H	0.01B 0.01B 0.01B 0.01B 0.01B								
Depth	CaCO3	Organic	Avail. P	Total P	Total N	Total K	Bulk	Pa GV		Analysis
m	%	C %	mg/kg	%	N %	K %	Density Mg/m3	GV	CS FS %	
0 - 0.08							1.60	2		
0.08 - 0.05 0.15 - 0.3 0.3 - 0.41							1.60	1		
0.41 - 0.69										
Depth	COLE		Gravimetric/Volumetric Water Contents						K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar - m3/m3	1 Bar	5 Bar 1	5 Bar	mm/h	mm/h
0 - 0.08 0.08 - 0.05				0.24C						
0.15 - 0.3 0.3 - 0.41 0.41 - 0.69				0.33C						

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B405 CB Site ID: Observation ID: 1

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Laboratory Analyses Completed for this profile

2A1

Air-dry moisture content
Electrical conductivity or soluble salts - Not recorded
pH of soil - Not recorded 3_NR

4_NR

5_NR P10_GRAV P3A_NR P3B_VL_01 Water soluble Chloride - Cl(%) - Not recordede

Gravel (%)

Bulk density - Not recorded 0.1 BAR Moisture m3/m3 - Volumetric using suction plate