

Project Name: CL
Project Code: CL **Site ID:** B233 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/11/54	Elevation:	24 metres
Map Ref.:	Sheet No. : 9348 1:100000	Rainfall:	1143
Northing/Long.:	152.269444444444	Runoff:	Moderately rapid
Easting/Lat.:	-24.8236111111111	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Te	Substrate Material:	Auger boring, 2 m deep, No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Ferric Mesotrophic Red Chromosol		Principal Profile Form:	Dr5.21
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, , Mid-dense. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Mid-dense. *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus acmenoides, Eucalyptus trachyphloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Dark grey (10YR4/1-Moist); ; Fine sandy loam; Strong grade of structure, 2-5 mm, Granular; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 6.2 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
A12	0.08 - 0.21 m	Dark grey (10YR4/1-Moist); ; Fine sandy loam; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Weak consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 5.9 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A2	0.23 - 0.38 m	Yellowish brown (10YR5/6-Moist); ; Fine sandy loam; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Weak consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 6.1 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A3	0.38 - 0.53 m	Strong brown (7.5YR5/8-Moist); ; Fine sandy clay loam; Weak grade of structure, Angular blocky; Moist; Weak consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.1 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B1	0.58 - 0.69 m	Reddish yellow (5YR6/7-Moist); , 2.5YR56; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.2 (pH meter); Gradual change to -
B21	0.71 - 1.07 m	Red (2.5YR4/8-Moist); , 10YR56; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.2 (pH meter); Gradual change to -
B22	1.07 - 1.59 m	Red (10R4/8-Moist); , 10YR56; , 10YR71; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5.8 (pH meter);

Morphological Notes

Observation Notes

0-8CM POROUS GRANULAR GRADING TO ANGULAR BLOCKY

Site Notes

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Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.08										
0.08 - 0.21										
0.23 - 0.38										
0.38 - 0.53										
0.58 - 0.69										
0.71 - 1.07										
1.07 - 1.59										

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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
2_LOI	Loss on Ignition (%)
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