

Project Name: CL
Project Code: CL **Site ID:** B183 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	09/12/52	Elevation:	23 metres
Map Ref.:	Sheet No. : 9144 1:100000	Rainfall:	1520
Northing/Long.:	153.019444444444	Runoff:	Moderately rapid
Easting/Lat.:	-26.8483333333333	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qa	Substrate Material:	Auger boring, 4 m deep, Sandstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Vertic Mesotrophic Red Dermosol		Principal Profile Form:	Gn3.74
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil

No analytical data are available but confidence is fair.

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

Vegetation:

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Light grey (2.5Y7/2-Moist); ; Loamy sand; Weak grade of structure, 10-20 mm, Subangular blocky; Moist; Very weak consistence; Field pH 5.3 (pH meter); Many, fine (1-2mm) roots; Clear change to -
A21	0.05 - 0.15 m	Light grey (10YR7/1-Moist); , 10YR68; Loamy sand; Weak grade of structure, 10-20 mm, Subangular blocky; Moist; Very weak consistence; Field pH 5.4 (pH meter); Common, fine (1-2mm) roots; Gradual change to -
A22	0.15 - 0.43 m	Light grey (5Y7/2-Moist); , 2.5Y76; Sandy loam; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Very weak consistence; Field pH 5.5 (pH meter); Gradual change to -
B11	0.43 - 0.71 m	Brownish yellow (10YR6/8-Moist); , 2.5YR36; Sandy clay loam (Light); Weak grade of structure, 20-50 mm, Angular blocky; Moist; Very weak consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5.6 (pH meter); Gradual change to -
B12	0.71 - 0.96 m	Light grey (10YR7/1-Moist); , 10R34; , 10R47; Clay loam; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Very weak consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5.5 (pH meter); Diffuse change to -
B21	0.96 - 1.24 m	Red (10R4/6-Moist); , 2.5Y80; , 10YR78; Medium clay; Moderate grade of structure, Angular blocky; Moist; Slightly plastic; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5.4 (pH meter); Diffuse change to -
B22	1.24 - 1.8 m	Red (10R4/6-Moist); , 2.5Y80; , 10R34; Heavy clay; Moderate grade of structure, Angular blocky; Moist; Moderately plastic; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5.3 (pH meter); Diffuse change to -
B23	1.8 - 4.29 m	White (2.5Y8/0-Moist); , 10R46; , 10R34; Heavy clay; Moderate grade of structure, Angular blocky; Moist; Moderately plastic; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5.2 (pH meter); Diffuse change to -
	4.29 - 6.3 m	Grey (2.5Y6/0-Moist); , 10YR68; Heavy clay; Weak grade of structure, Angular blocky; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Soft segregations; Field pH 5.4 (pH meter); Diffuse change to -

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6.3 - 7.21 m	Grey (2.5Y6/0-Moist); , 10YR68; Heavy clay; Weak grade of structure, Angular blocky; Field pH 5.5 (pH meter); Diffuse change to -
7.21 - 7.37 m	Red (2.5YR5/7-Moist); , 10YR68; , 10YR81; Heavy clay; Weak grade of structure, Angular blocky; Field pH 5.5 (pH meter);

Morphological Notes

Observation Notes

ALTERNATIVELY Gn2.74 OVER TRUNCATED PEDAL CLAY

Site Notes

BEERWAH

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[illegible]

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Laboratory Analyses Completed for this profile

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
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded