

**Project Name:** CL  
**Project Code:** CL                      **Site ID:** B234                      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	01/11/54	<b>Elevation:</b>	30 metres
<b>Map Ref.:</b>	Sheet No. : 9347    1:100000	<b>Rainfall:</b>	1270
<b>Northing/Long.:</b>	152.216388888889	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-24.819444444445	<b>Drainage:</b>	Poorly drained

**Geology**

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

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Peneplain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	6 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached-Magnesian Sodosolic Redoxic Hydrosol		<b>Principal Profile Form:</b>	Dg2.42
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solodic soil

Analytical data are incomplete but reasonable confidence.

**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, 6.01-12m, Mid-dense. \*Species includes - Trigonella suavissima, Melaleuca leucadendron  
Tall Strata - Tree, 6.01-12m, Closed or dense. \*Species includes - None Recorded

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.1 m	Grey (10YR5/1-Moist); ; Silty loam; Weak grade of structure, 5-10 mm, Angular blocky; Wet; Weak consistence; Slightly plastic; Field pH 6 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A21	0.13 - 0.25 m	Light grey (10YR7/2-Moist); ; Silty loam; Massive grade of structure; Wet; Weak consistence; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.2 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A22	0.25 - 0.4 m	Light grey (10YR7/2-Moist); ; Fine sandy loam; Massive grade of structure; Wet; Weak consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.8 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B1g	0.42 - 0.61 m	Light grey (10YR7/2-Moist); , 10YR66; , 2.5Y48; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Moist; Firm consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 7.9 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B2g	0.61 - 1.07 m	Yellow (2.5Y7/5-Dry); , 10YR68; , 5YR56; Medium heavy clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Firm consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 7.6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
BC	1.22 - 1.73 m	Brownish yellow (10YR6/8-Dry); , 10R46; , 2.5Y71; Heavy clay; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Few (2 - 10 %), Ferruginous, Medium (2 - 6 mm), Nodules; Field pH 6.9 (pH meter);

**Morphological Notes**

**Observation Notes**

GLEYES SOLODIC SOIL

**Site Notes**

BUNDABERG

**Observation ID: 1**

[illegible]

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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