

Project Name: CL
Project Code: CL Site ID: B276 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.D. Hubble
Date Desc.: 21/09/55
Map Ref.: Sheet No. : 9445 1:100000
Northing/Long.: 152.973611111111
Easting/Lat.: -26.327222222222

Locality:
Elevation: 10 metres
Rainfall: 1250
Runoff: Very slow
Drainage: Poorly drained

Geology

ExposureType: Soil pit
Geol. Ref.: Qa

Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 2 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Pattern Type: Plain

Morph. Type: No Data
Elem. Type: Plain
Slope: 0.87 %

Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification: Bleached-Magnesian Kurosolic Redoxic Hydrosol
Mapping Unit: N/A
Principal Profile Form: Dg2.41
ASC Confidence: Analytical data are incomplete but reasonable confidence.
Great Soil Group: Soloth

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Mid Strata - Shrub, , . *Species includes - Casuarina suberosa, Leptospermum stellatum
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1g 0 - 0.1 m Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Very weak consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 5.1 (pH meter); Many, very fine (0-1mm) roots; Gradual

A2g 0.13 - 0.33 m Greyish brown (10YR5/2-Moist); , 7.5YR58; Fine sandy loam; Massive grade of structure; Moist; Very weak consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 5.2 (pH meter); Many, very fine (0-1mm) roots; Diffuse change to -

A3g 0.36 - 0.46 m Grey (10YR6/1-Moist); , 10YR67; Fine sandy clay loam; Moderate grade of structure, 50-100 mm, Prismatic; Strong grade of structure, Angular blocky; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.5 (pH meter); Common, very fine (0-1mm) roots; Clear change to -

B2g 0.46 - 0.76 m Light grey (10YR7/1-Moist); , 10YR67; Heavy clay; Strong grade of structure, 50-100 mm, Prismatic; Wet; Firm consistence; Moderately plastic; Slightly sticky; Field pH 5.3 (pH meter); Common, very fine (0-1mm) roots; Diffuse change to -

B3g 0.79 - 1.12 m White (10YR8/1-Moist); , 2.5YR48; , 10YR78; Heavy clay; Weak grade of structure, 50-100 mm, Prismatic; Wet; Very plastic; Field pH 4.9 (pH meter); Few, very fine (0-1mm) roots;

B4g 1.12 - 1.9 m ; Heavy clay; Wet; Very plastic;

Morphological Notes

Observation Notes

GLEIED SOLOTH

Site Notes

COOTHARABA

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
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