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 Locality:

Date Desc.: Elevation: 21/09/55 10 metres Sheet No.: 9445 1:100000 Map Ref.: Rainfall: 1250 Northing/Long.: 152.973611111111 Runoff: Verv slow Easting/Lat.: -26.327222222222 Drainage: Poorly drained

<u>Geology</u>

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

Geol. Ref.: Qa Substrate Material: Auger boring, 2 m deep, Unconsolidated

material (unidentified)

Land Form

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

3%

 Morph. Type:
 No Data
 Relief:
 No Data

 Elem. Type:
 Plain
 Slope Category:
 No Data

 Slope:
 0.87 %
 Aspect:
 No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/ABleached-Magnesic Kurosolic Redoxic HydrosolPrincipal Profile Form:Dg2.41ASC Confidence:Great Soil Group:Soloth

Analytical data are incomplete but reasonable confidence.

<u>Site Disturbance:</u> 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 -

Nodules; Field ph 5.2 (ph meter); Many, very fine (0-1mm) roots; Diffuse change to -

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

GLEYED SOLOTH

Site Notes

A3g

COOTHARABA

Project Name: Project Code: Agency Name: CL

CL Site ID: B27 CSIRO Division of Soils (QLD) B276 Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Mg	Cations K	Na I	Exchangeable Acidity	CEC		ECEC	E	SP
m		dS/m	Ga i	wig	K	Cmol (+					9	%
0 - 0.1 0.13 - 0.33 0.36 - 0.46	5.1H 5.2H 5.5H	0.02B 0.02B 0.02B	0.17K	0.94	0.16	0.1	7.6D					
0.46 - 0.76 0.79 - 1.12	5.3H 4.9H	0.03B 0.06B	0K	3.2	0.1	0.97	18.9D					
1.12 - 1.9	4.7H	0.08B	0K	5.4	0.31	2.7	22.2D					
Depth	CaCO3	Organic C %	Avail. P	Total P %	Total N %	Total K %	Density	Pa GV	article CS	Size /	Analysis Silt (Clay
m	70	70	mg/kg	76	70	70	Mg/m3			70		
0 - 0.1		1.09A	6C	0.008F	0.08	32B		0	8C	67	13	9
0.13 - 0.33		0.44A						0	9C	67	-	10
0.36 - 0.46		0.38A						0	9C	62	_	17
0.46 - 0.76		0.23A		0.009F				0	4C	40	14	41
0.79 - 1.12												
1.12 - 1.9		0.02A		0.01F				0	3C	23	24	51
Depth	COLE	Gravimetric/Volumetric Water Contents K sat K unsat										
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar j - m3/m	1 Bar 3	5 Bar 15	Bar	mm	/h	mm/h	

0 - 0.1 0.13 - 0.33 0.36 - 0.46 0.46 - 0.76 0.79 - 1.12 1.12 - 1.9

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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 (Mg++) - meq per 100g of soil - Not recorded
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 recordede

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
P10_NR_CS
Clay (%) - Not recorded
Coarse sand (%) - Not recorded
P10_NR_FS
Fine sand (%) - Not recorded
P10_NR_Z
Silt (%) - Not recorded