Project Name: CL
Project Code: CL **Site ID:** B180 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.D. Hubble
Date Desc.: 09/02/52
Map Ref.: Sheet No. : 9544 1:100000
Northing/Long.: 153.048611111111
Easting/Lat.: -26.7305555555556
Locality:
Elevation: 15 metres
Rainfall: 1651
Runoff: Very slow
Drainage: Very poorly drained

Geology

ExposureType: Soil pit
Geol. Ref.: Cze
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 2 m deep,Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Parapanic Humic Aquic Podosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Uc2.35
Great Soil Group: Humus podzol

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Tall Strata - Tree, 0.51-1m, . *Species includes - Banksia robur

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.23 m	Grey (5Y5/1-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; Field pH 4.9 (pH meter); Abundant, fine (1-2mm) roots; Gradual change to -
A21	0.23 - 0.38 m	White (10YR8/1-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; Field pH 5.5 (pH meter); Common, fine (1-2mm) roots; Gradual change to -
A22	0.38 - 0.76 m	White (5Y8/1-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6.3 (pH meter); Few, fine (1-2mm) roots; Sharp change to -
A3	0.76 - 1.27 m	White (5Y8/1-Moist); ; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Densipan, Strongly cemented, Continuous, Massive; Field pH 5.3 (pH meter); Gradual change to
B2h	1.27 - 1.45 m	Dark reddish brown (5YR2/2-Moist); ; Organic pan, Moderately cemented, Continuous, Massive; Field pH 4.8 (pH meter); Gradual change to -
B2h	1.45 - 1.6 m	Dark brown (7.5YR3/2-Moist); ; Organic pan, Moderately cemented, Continuous, Massive; Field pH 4.9 (pH meter);

Morphological Notes

Observation Notes

WATERTABLE WITHIN 15CM OF SURFACE DURING WET SEASON

Site Notes

CALOUNDRA

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.23	4.9H	0.011B	0.08K	0.2	0.02	0.08	3.58D		3.96E	
0.23 - 0.38	5.5H	0.004B								
0.38 - 0.76	6.3H	0.003B								
0.76 - 1.27	5.3H	0.006B								
1.27 - 1.45	4.8H	0.013B								
1.45 - 1.6	4.9H	0.012B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.23		1.02E	2C	0.002F	0.046B			0	57C	37	2	
0.23 - 0.38		0.17E			0.011B			0	65C	32	2	2
0.38 - 0.76		0.09E		0.001F	0.003B		2.20	0	59C	36	4	1
0.76 - 1.27		0.35E			0.008B			0	49C	23	14	14
1.27 - 1.45		4.75E		0.002F	0.104B				53C	29	3	6
1.45 - 1.6		3.4E			0.065B				62C	27	3	7

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 - 0.23										
0.23 - 0.38										
0.38 - 0.76										
0.76 - 1.27										
1.27 - 1.45										
1.45 - 1.6										

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Laboratory Analyses Completed for this profile

15_NR	Sum of Ex. cations + Ex. acidity - Not recorded
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 recordede
6Z	Organic carbon (%) - Not recorded
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
P3A_NR	Bulk density - Not recorded