Project Name: RR
Project Code: RR **Site ID:** B259 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: W.H. Litchfield
Date Desc.: 01/02/54
Map Ref.: Sheet No. : 9149 1:100000
Northing/Long.: 151.397777777778
Easting/Lat.: -24.08
Locality:
Elevation: No Data
Rainfall: 863
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

ExposureType: Soil pit
Geol. Ref.: PRm
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Soil pit, 1 m deep,Granodiorite

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Crest
Elem. Type: Hillslope
Slope: 0 %
Pattern Type: Rises
Relief: 18 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Eutrophic Grey Chromosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dy3.22
Great Soil Group: Prairie soil

Site Disturbance: Cultivation. Rainfed

Vegetation: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus

Tall Strata - Tree, , Isolated plants. *Species includes - Eucalyptus dichromophloia, Eucalyptus tessellaris

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.15 m	Dark grey (10YR4/1-Moist); ; Sandy clay loam; Moderate grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6.4 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
A12	0.15 - 0.23 m	Dark greyish brown (10YR4/2-Moist); ; Sandy clay loam; Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6.4 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B2	0.23 - 0.51 m	Dark greyish brown (2.5Y4/2-Moist); , 5YR44; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; Field pH 7.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

RODDS BAY

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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 - 0.15	6.4H	0.03B	10.3K	6.2	0.1	0.12	5D			
0.15 - 0.23	6.4H	0.026B								
0.23 - 0.51	7.5H	0.036B	16.2K	7.6	0.04	0.51	0.44D			

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 - 0.15		1.84A	17C	0.03F	0.11B			0.4	26C	44	9	17
0.15 - 0.23		0.78A			0.07B			1	29C	42	7	20
0.23 - 0.51		0.48A			0.04B			0	19C	35	6	40

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 - 0.15									
0.15 - 0.23									
0.23 - 0.51									

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