Project Name: RR

Project Code: B262 Observation ID: 1 RR Site ID:

CSIRO Division of Soils (QLD) Agency Name:

Site Information

Locality: Desc. By: G.D. Hubble

Date Desc.: Elevation: 01/01/54 1067 metres Sheet No.: 9244 1:100000 Map Ref.: Rainfall: 1143

Northing/Long.: 151.60277777778 Runoff: Moderately rapid -26.8911111111111 Drainage: Well drained Easting/Lat.:

Geology

ExposureType: Conf. Sub. is Parent. Mat.: Existing vertical exposure No Data

Geol. Ref.: **Substrate Material:** Existing vertical exposure, 0.61 m Tm

deep,Basalt

Land Form

Rel/Slope Class: Steep mountains >300m 32-Pattern Type: Mountains

56%

Morph. Type: Upper-slope Relief: No Data Hillslope Slope Category: No Data Elem. Type: Slope: 0 % Aspect: No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Haplic Eutrophic Black Dermosol Gn3.41 **Principal Profile Form: ASC Confidence: Great Soil Group:** Prairie soil

All necessary analytical data are available.

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

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.1 m Dark greyish brown (10YR4/2-Moist); ; Clay loam; Strong grade of structure, 2-5 mm, Granular; Moderately moist; Weak consistence; Field pH 5.5 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -

B2 0.15 - 0.41 m Very dark grey (10YR3/1-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Moderately moist; Weak consistence; Field pH 5.8 (pH meter); Many, very fine (0-

1mm) roots; Gradual change to -

B2 Brown (7.5YR4/2-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; 0.41 - 0.51 m

Moderately moist; Firm consistence; Field pH 6.2 (pH meter); Common, very fine (0-1mm) roots;

Diffuse change to -

С 0.51 - 0.61 m Brown (7.5YR4/2-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Angular blocky;

Moderately moist; Weak consistence; 2-10%, Substrate material, coarse fragments; Field pH

6.4 (pH meter);

Morphological Notes

Observation Notes

0-10CM POROUS GRANULAR BUNYA `BALDS'GRASSLAND SURROUNDED BY FOREST

Site Notes

MT MOWBULLEN

Project Name: Project Code: Agency Name: RR

RR Site ID: B20 CSIRO Division of Soils (QLD) **B262** Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		angeable Ig	Cations K	Na	Exchangeable Acidity	CEC		ECEC	E	SP
m		dS/m	oa IV	ıy	N.	Cmol (+)	•				q	%
0 - 0.1 0.15 - 0.41 0.41 - 0.51 0.51 - 0.61	5.5H 5.8H 6.2H 6.4H	0.04B 0.01B 0.01B 0.01B	23.9K 19.1K	7 6.7	1.4 0.37	0.39 0.43	41.8D 34.1D					
Depth	CaCO3	Organic C %	Avail. P	Total P	Total N	Total K	Density	Pa GV	rticle CS	FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		7A	155C	0.175F	_			0	5C	12		38
0.15 - 0.41		3.5A		0.269F				0	6C	13	_	44
0.41 - 0.51		2.6A			0.2			0	7C	15	26	47
0.51 - 0.61		1.95A			0.2	2B		0	11C	20	24	42
Depth	COLE	Gravimetric/Volumetric Water Contents Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar							Ks	at	K unsat	
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar g - m3/m	1 Bar 3	5 Bar 15	⊳ar	mm	/h	mm/h	

0 - 0.1 0.15 - 0.41 0.41 - 0.51 0.51 - 0.61

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Laboratory Analyses Completed for this profile

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Hydrogen Cation - meq per 100g of soil - Not recorded 15_NR_CA

15_NR_H

15_NR_K 15_NR_MG Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded 15_NR_NA

2A1 Air-dry moisture content

3_NR Electrical conductivity or soluble salts - Not recorded

pH of soil - Not recorded 4_NR

Water soluble Chloride - Cl(%) - Not recordede 5_NR

Organic carbon - Walkley and Black 6A1 7_NR Total nitrogen (%) - Not recorded Available P (mg/kg) - Not recorded Total element - P(%) - Not recorded 9_NR 9A_NR

P10_GRAV Gravel (%)

Clay (%) - Not recorded Coarse sand (%) - Not recorded P10_NR_C P10_NR_CS Fine sand (%) - Not recorded P10_NR_FS P10_NR_Z Silt (%) - Not recorded