

Project Name: RR
Project Code: RR **Site ID:** B301 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	28/10/56	Elevation:	No Data
Map Ref.:	Sheet No. : 9247 1:100000	Rainfall:	889
Northing/Long.:	151.991666666667	Runoff:	Moderately rapid
Easting/Lat.:	-25.491666666667	Drainage:	Moderately well drained

Geology

Exposure Type:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czub	Substrate Material:	Existing vertical exposure, 0.56 m deep, Igneous rock (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	7 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Epipedal Black Vertosol		Principal Profile Form:	Ug5.13
ASC Confidence:		Great Soil Group:	Black earth
All necessary analytical data are available.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus, Phynchelytrum repens
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.2 m	Very dark brown (7.5YR2/2-Dry); ; Heavy clay; Strong grade of structure, 2-5 mm, Granular; Dry; Loose consistence; 2-10%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6.8 (pH meter); Many, very fine (0-1mm) roots;
B21	0.23 - 0.34 m	Dark reddish brown (5YR3/2-Dry); ; Heavy clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 7.1 (pH meter); Many, very fine (0-1mm) roots;
B22	0.34 - 0.48 m	Dark red (2.5YR3/5-Dry); ; Heavy clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 7.7 (pH meter);
C	0.56 - 0.58 m	; Clay loam; Massive grade of structure; Field pH 8.8 (pH meter);
R	- m	Rock

Morphological Notes

R Rock sample taken adjacent profile

Observation Notes

0-20CM GRANULAR GRADING TO BLOCKY STRUCTURE:

Site Notes

BIGGENDEN

Project Name: RR
Project Code: RR **Site ID:** B301 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.2	6.8A	0.03C	21.5K	20.1	0.57	0.12		46.8J		0.26
0.23 - 0.34	7.1A	0.03C								
0.34 - 0.48	7.7A	0.03C	24.2K	20.7	0.16	0.14		45.4J		0.31
0.56 - 0.58	8.8A	0.04C								
-										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.2		2.8A	6C	0.092F	0.18B			8	3C	21	27	50
		1.96E		0.04F								
0.23 - 0.34		1.24A			0.13B				4C	21	24	50
0.34 - 0.48		0.49A			0.05B			2	21C	20	17	39
0.56 - 0.58	4.44C				0.02B			20	5C	15	12	25
-												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
			g/g - m3/m3							

0 - 0.2
 0.23 - 0.34
 0.34 - 0.48
 0.56 - 0.58
 -

Project Name: RR
Project Code: RR **Site ID:** B301 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - 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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4A1	pH of 1:5 soil/water suspension
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6A1	Organic carbon - Walkley and Black
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