

**Project Name:** RR  
**Project Code:** RR      **Site ID:** B285      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	05/10/56	<b>Elevation:</b>	122 metres
<b>Map Ref.:</b>	Sheet No. : 8062 1:100000	<b>Rainfall:</b>	4826
<b>Northing/Long.:</b>	145.791666666667	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-17.852777777778	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Existing vertical exposure	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Pgb	<b>Substrate Material:</b>	Existing vertical exposure, 1.3 m deep, Granodiorite

**Land Form**

<b>Rel/Slope Class:</b>	Steep mountains >300m 32-56%	<b>Pattern Type:</b>	Mountains
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	35 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Loose

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Red Kandosol		<b>Principal Profile Form:</b>	Gn2.14
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red earth
Analytical data are incomplete but reasonable confidence.			

**Site Disturbance:** No effective disturbance. Natural

**Vegetation:**

Tall Strata - Tree, 12.01-20m, Closed or dense. \*Species includes - Agathis robusta, Eucalyptus delegatensis

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Strong grade of structure, 2-5 mm, Granular; Moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 6.1 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
A2	0.06 - 0.25 m	Reddish brown (5YR4/3-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Polyhedral; Moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.8 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
B2	0.27 - 0.48 m	Red (2.5YR4/8-Moist); ; Clay loam; Weak grade of structure, 5-10 mm, Angular blocky; Many (>5 per 0.01m2) Medium (2-5mm) macropores, Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.7 (pH meter); Common, very fine (0-1mm) roots; Diffuse change to -
B3	0.48 - 0.84 m	Red (2.5YR4/8-Moist); ; Clay loam; Massive grade of structure; Many (>5 per 0.01m2) Medium (2-5mm) macropores, Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.4 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B3	0.84 - 1.17 m	Red (2.5YR4/8-Moist); ; Clay loam; Massive grade of structure; Moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.2 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
BC	1.17 - 1.27 m	Yellowish red (5YR5/6-Moist); ; Loam; Massive grade of structure; Moist; Very weak consistence; 10-20%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.3 (pH meter); Diffuse change to -
C	1.27 - 1.5 m	; Field pH 5.5 (pH meter);
C	1.68 - 2.18 m	;

**Morphological Notes**

C Speckled LYR and W decomposed rock

**Observation Notes**

0-5CM POROUS GRANULAR

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**Laboratory Analyses Completed for this profile**

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 recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)