

**Project Name:** Regional  
**Project Code:** REG **Site ID:** T501 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.G. Murtha	<b>Locality:</b>	.35 K from Highway on Mt Cudmore Rd.
<b>Date Desc.:</b>	04/11/91	<b>Elevation:</b>	<20 metres
<b>Map Ref.:</b>	Sheet No. : 8160 1:100000	<b>Rainfall:</b>	1800
<b>Northing/Long.:</b>	146.191666666667	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-18.5458333333333	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Granite

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Alluvial fan
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Fan	<b>Slope Category:</b>	No Data
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** N/A

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Melanic Mesotrophic Red Dermosol		<b>Principal Profile Form:</b>	Gn3.11
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red podzolic soil
No analytical data and little or no knowledge of this soil.			

**Site Disturbance:**

**Vegetation:**

Tall Strata - Tree, 12.01-20m, Mid-dense. \*Species includes - None Recorded

**Surface Coarse Fragments:** 10-20%, cobbly, 60-200mm, subrounded, Granite

**Profile Morphology**

A1	0 - 0.2 m	Dark brown (7.5YR3/2-Moist); Brown (7.5YR5/2-Dry); ; Clay loam (Light); Strong grade of structure, 5-10 mm, Cast; Dry; Weak consistence; Many, fine (1-2mm) roots; Diffuse change to -
A3	0.2 - 0.39 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Dry; Firm consistence; 10-20%, stony, 200-600mm, subrounded, Granite, coarse fragments; Common, fine (1-2mm) roots; Diffuse change to -
B1	0.39 - 0.48 m	Reddish brown (5YR4/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Dry; Firm consistence; 10-20%, stony, 200-600mm, subrounded, Granite, coarse fragments; Common, fine (1-2mm) roots; Gradual change to -
B21	0.48 - 0.8 m	Reddish brown (2.5YR4/4-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Very firm consistence; 2-10%, cobbly, 60-200mm, subrounded, Granite, coarse fragments; Common, medium (2-5mm) roots; Diffuse change to -
B22	0.8 - 0.95 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Strong consistence; 2-10%, cobbly, 60-200mm, subrounded, Granite, coarse fragments; Common, medium (2-5mm) roots; Diffuse change to -
B22	0.95 - 1.1 m	Red (10R4/8-Moist); Red (10R5/6-Dry); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Strong consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, Granite, coarse fragments; Few, medium (2-5mm) roots; Diffuse change to -
	1.1 - 1.4 m	Red (10R4/8-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, Granite, coarse fragments; Diffuse change to -
	1.4 - 1.75 m	Red (10R4/8-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, Granite, coarse fragments;

**Morphological Notes**

**Observation Notes**

MAX ON GRAVEL AT 175 CM.

**Site Notes**

CARDWELL RA

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Laboratory Analyses Completed for this profile