Project Name: Regional

Project Code: Site ID: T501 Observation ID: 1 REG

Agency Name: CSIRO Division of Soils (QLD)

Site Information

Locality: G.G. Murtha .35 K from Highway on Mt Cudmore Rd.

Desc. By: Date Desc.: 04/11/91 Elevation: <20 metres Map Ref.: Sheet No.: 8160 1:100000 Rainfall: 1800 Northing/Long.: 146.191666666667 Runoff: Rapid -18.54583333333333 Drainage: Well drained Easting/Lat.:

Geology

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data Geol. Ref.: **Substrate Material:** No Data Granite

Land Form

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

Surface Soil Condition (dry): N/A

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Melanic Mesotrophic Red Dermosol **Principal Profile Form:** Gn3.11

ASC Confidence: Great Soil Group: 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

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 -

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.

1.4 - 1.75 m

Site Notes

CARDWELL RA

Project Name: Project Code: Agency Name: Regional
REG Site ID: T50
CSIRO Division of Soils (QLD) T501 Observation ID: 1

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

Laboratory Test Results:

Depth	pH	1:5 EC	Exc	hangeable	Cations	F:	xchangeable	CEC	ECEC	ESP
Dopu.	ρ			Mg	K	Na	Acidity	020	2020	
m		dS/m				Cmol (+)/	'kg			%
0 - 0.2 0.2 - 0.39 0.39 - 0.48 0.48 - 0.8 0.8 - 0.95 0.95 - 1.1 1.1 - 1.4 1.4 - 1.75										
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density		icle Size	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	,
0 - 0.2 0.2 - 0.39 0.39 - 0.48 0.48 - 0.8 0.8 - 0.95 0.95 - 1.1 1.1 - 1.4 1.4 - 1.75										
Depth	COLE		Grav	vimetric/Volumetric W		Vater Contents			K sat	K unsat
m		Sat.	0.05 Bar 0.1 Bar g/		0.5 Bar 1 Bar g - m3/m3		5 Bar 15 Baı	Bar	mm/h	mm/h
0 - 0.2 0.2 - 0.39 0.39 - 0.48 0.48 - 0.8 0.8 - 0.95 0.95 - 1.1 1.1 - 1.4 1.4 - 1.75										

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

Laboratory Analyses Completed for this profile