

Project Name: Regional
Project Code: REG **Site ID:** T499 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Murtha	Locality:	
Date Desc.:	02/10/90	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:		Runoff:	Rapid
Easting/Lat.:		Drainage:	Rapidly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Metamorphic rock (unidentified)

Land Form

Rel/Slope Class:	Rolling low hills 30-90m 10-	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	14 %	Aspect:	90 degrees

Surface Soil Condition (dry): N/A

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Dystrophic Red Dermosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Red podzolic soil
Analytical data are incomplete but reasonable confidence.			

Site Disturbance:

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Dark brown (10YR3/3-Moist); ; Loam (Heavy); Strong grade of structure, 2-5 mm, Cast; Moist; Weak consistence; 10-20%, cobbly, 60-200mm, angular, dispersed, Quartz, coarse fragments; Abundant, coarse (>5mm) roots; Diffuse change to -
A3	0.15 - 0.35 m	Brown (7.5YR5/4-Moist); ; Clay loam; Strong grade of structure, 2-5 mm, Subangular blocky; Moderately moist; Weak consistence; 50-90%, cobbly, 60-200mm, subrounded, dispersed, Metamorphic rock (unidentified), coarse fragments; Many, medium (2-5mm) roots; Diffuse change to -
B21	0.35 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Moderately moist; Weak consistence; 10-20%, medium gravelly, 6-20mm, subrounded, dispersed, Quartz, coarse fragments; Common, medium (2-5mm) roots; Diffuse change to -
B22	0.6 - 0.9 m	Yellowish red (5YR5/8-Moist); ; Light medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Moderately moist; Weak consistence; 10-20%, medium gravelly, 6-20mm, subrounded, dispersed, Quartz, coarse fragments; Common, medium (2-5mm) roots; Diffuse change to -
C	0.9 - 1 m	;

Morphological Notes

C Weathered metamorphic rock.

Observation Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP	
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%	
0 - 0.15	4.9A	0.05A	0.45H	0.42	0.16	0.02	1.94F	1.8J	3E	1.11
0.15 - 0.35	5.04A	0.02A	0.07H	0.15	0.08	0.03	1.21F	2.7J	1.5E	1.11
0.35 - 0.6	5.42A	0.01A	<0.02H	0.05	<0.02	0.02	0.37F	2.2J	0.5E	0.91
0.6 - 0.9	5.02A	0.01A	<0.02H	0.18	<0.02	0.02	0.76F	1.8J	1E	1.11
0.9 - 1	5.52A	0.01A								

[illegible][illegible]

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Laboratory Analyses Completed for this profile

13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15_NR	Sum of Ex. cations + Ex. acidity - Not recorded
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15G_C	Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension