

Project Name: Regional
Project Code: REG **Site ID:** T498 **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:	Moderately well 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:	16 %	Aspect:	No Data

Surface Soil Condition (dry): N/A

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Dystrophic Brown Dermosol		Principal Profile Form:	Gn3.74
ASC Confidence:		Great Soil Group:	Xanthozem
Analytical data are incomplete but reasonable confidence.			

Site Disturbance:

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Strong grade of structure, 2-5 mm, Cast; Weak consistence; Abundant, medium (2-5mm) roots; Diffuse change to -
A3	0.15 - 0.3 m	Yellowish brown (10YR5/4-Moist); ; Clay loam (Heavy); Strong grade of structure, 5-10 mm, Subangular blocky; Weak consistence; Many, fine (1-2mm) roots; Diffuse change to -
B2	0.3 - 0.7 m	Light olive brown (2.5Y5/4-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Weak consistence; Common, fine (1-2mm) roots; Diffuse change to -
C	0.7 - 0.9 m	; Fine sandy clay loam;

Morphological Notes

C Weathered metamorphic rock.

Observation Notes

Site Notes

ANICHES ROAD

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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 - 0.15	4.65A	0.06A	1.32H	0.8	0.33	0.02	1.88F	3.5J	4.4E	0.57
0.15 - 0.3	4.92A	0.03A	0.24H	0.38	0.22	0.02	1.83F	3J	2.7E	0.67
0.3 - 0.7	5.12A	0.02A	0.2H	0.33	0.16	0.02	0.72F	1.8J	1.4E	1.11
0.7 - 0.9	5.58A	0.01A								

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 - 0.15		4.6C										
0.15 - 0.3		3C										
0.3 - 0.7		5.4C										
0.7 - 0.9		2.9C										

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	mm/h	mm/h
			g/g - m3/m3		
0 - 0.15					
0.15 - 0.3					
0.3 - 0.7					
0.7 - 0.9					

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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
6B3	Total organic carbon - high frequency induction furnace, infrared