Project Name: GYC
Project Code: GYC **Site ID:** B651 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: C.H. Thompson
Date Desc.: 29/10/69
Map Ref.: Sheet No. : 9445 1:100000
Northing/Long.: 152.830555555556
Easting/Lat.: -26.1422222222222
Locality:
Elevation: 198 metres
Rainfall: 1397
Runoff: Rapid
Drainage: Well drained

Geology

ExposureType: Undisturbed soil core
Geol. Ref.: Rlk
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Undisturbed soil core, 0.26 m deep,Phyllite

Land Form

Rel/Slope Class: Steep hills 90-300m 32-56%
Morph. Type: Crest
Elem. Type: Hillcrest
Slope: 0 %
Pattern Type: Hills
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Basic Paralithic Orthic Tenosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: Um4.1
Great Soil Group: Lithosol

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded

Tall Strata - Tree, , Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.09 m	Very dark brown (7.5YR2/2-Moist); ; Loam; Moderate grade of structure, 2-5 mm, Granular; Moist; Weak consistence; 20-50%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
A2	0.09 - 0.26 m	Brown (7.5YR4/2-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
C	0.26 - 0.5 m	Reddish brown (5YR5/4-Moist); , 5YR46; Massive grade of structure; Very firm consistence; 50-90%, Phyllite, coarse fragments;
	0.5 - 0.6 m	Light brown (7.5YR6/4-Moist); , 5YR54; Massive grade of structure; Strong consistence; 50-90%, Phyllite, coarse fragments;
	0.6 - 0.95 m	Greyish brown (2.5Y5/3-Moist); , 7.5YR64; , 5YR54; Massive grade of structure; Strong consistence; 90-100%, Phyllite, coarse fragments;

Morphological Notes

Observation Notes

0-9CM POROUS GRANULAR STRUCTURE, VERY FEW FINE QUARTZ GRAVEL.

Site Notes

TAGIGAN

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.1										
0.1 - 0.3										
0.3 - 0.5										
0.5 - 0.6										
0.6 - 0.95										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1												
0.1 - 0.3												
0.3 - 0.5												
0.5 - 0.6												
0.6 - 0.95												

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.1										
0.1 - 0.3										
0.3 - 0.5										
0.5 - 0.6										
0.6 - 0.95										

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Laboratory Analyses Completed for this profile