

Project Name: GYC
Project Code: GYC **Site ID:** B662 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: C.H. Thompson	Locality:
Date Desc.: 28/10/69	Elevation: 137 metres
Map Ref.: Sheet No. : 9445 1:100000	Rainfall: 1397
Northing/Long.: 152.823888888889	Runoff: Moderately rapid
Easting/Lat.: -26.490277777778	Drainage: Moderately well drained

Geology

ExposureType: Undisturbed soil core	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: Rlk	Substrate Material: Undisturbed soil core, 0.94 m deep, Phyllite

Land Form

Rel/Slope Class: No Data	Pattern Type: No Data
Morph. Type: Lower-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: No Data
Slope: 9.6 %	Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Mottled Mesotrophic Red Chromosol	Principal Profile Form: Dr3.21
ASC Confidence:	Great Soil Group: Red podzolic soil
No analytical data and little or no knowledge of this soil.	

Site Disturbance:

Vegetation: Low Strata - Tussock grass, , . *Species includes - Imperata cylindrica
 Mid Strata - Shrub, , . *Species includes - None recorded
 Tall Strata - Tree, , Mid-dense. *Species includes - Eucalyptus drepanophylla, Eucalyptus propinqua,

Eucalyptus resinifera

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;
A2	0.1 - 0.2 m	Brown (10YR5/3-Moist); ; Loam (Heavy); Weak grade of structure, 5-10 mm, Polyhedral; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments;
A3	0.2 - 0.27 m	Yellowish brown (10YR5/4-Moist); , 7.5YR56, 20-50% , 0-5mm, Faint; , 20-50% , 0-5mm, Faint; Clay loam; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Clear change to -
B2	0.27 - 0.4 m	Yellowish red (5YR5/6-Moist); , 10YR66, 10-20% , 0-5mm, Faint; , 7.5YR54, 10-20% , 0-5mm, Faint; Silty medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
B2	0.4 - 0.55 m	Red (2.5YR4/6-Moist); , 10YR64, 10-20% , 0-5mm, Distinct; , 5YR56, 10-20% , 0-5mm, Distinct; Silty medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
B3	0.55 - 0.72 m	Pale yellow (2.5Y7/3-Moist); , 2.5YR46, 10-20% , 5-15mm, Prominent; , 7.5YR54, 10-20% , 5-15mm, Prominent; Silty medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
B3	0.72 - 0.94 m	Light grey (2.5Y7/1-Moist); , 5YR58, 10-20% , 5-15mm, Prominent; , 7.5YR56, 10-20% , 5-15mm, Prominent; Silty medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
C	0.94 - 1.2 m	Brown (7.5YR4/4-Moist); , 5YR34; Massive grade of structure; Strong consistence; 50-90%, Phyllite, coarse fragments;
	1.2 - 1.3 m	Light grey (2.5Y7/1-Moist); , 2.5Y81; Silty clay loam; Moderate grade of structure, 5-10 mm, Polyhedral; Firm consistence; 2-10%, Phyllite, coarse fragments;
	1.3 - 2 m	Brown (7.5YR5/4-Moist); , 5YR34; , 2.5Y54; Massive grade of structure; Strong consistence; 90-100%, Phyllite, coarse fragments;

Morphological Notes

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Observation Notes

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Laboratory Analyses Completed for this profile