

Project Name: GYC
Project Code: GYC **Site ID:** B668 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	28/08/69	Elevation:	91 metres
Map Ref.:	Sheet No. : 9445 1:100000	Rainfall:	1524
Northing/Long.:	152.848888888889	Runoff:	Moderately rapid
Easting/Lat.:	-26.334166666667	Drainage:	Moderately well drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Rlk	Substrate Material:	Undisturbed soil core, 1.2 m deep,Phyllite

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	3.5 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Mesotrophic Brown Dermosol		Principal Profile Form:	Gn3.94
ASC Confidence:		Great Soil Group:	No suitable group

No analytical data and little or no knowledge of this soil.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

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

Tall Strata - Tree, , Sparse. *Species includes - Eucalyptus propinqua, Angophora intermedia

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); ; Silty loam; Moderate grade of structure, 2-5 mm, Polyhedral; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments;
A2	0.15 - 0.26 m	Dark greyish brown (10YR4/2-Moist); , 7.5YR56; Silty clay loam; Weak grade of structure, 10-20 mm, Polyhedral; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments;
B1	0.26 - 0.3 m	Brown (7.5YR5/4-Moist); , 7.5YR56, 10-20% , 0-5mm, Distinct; , 5YR56, 10-20% , 0-5mm, Distinct; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments;
B2	0.3 - 0.5 m	Brown (7.5YR5/4-Moist); , 5YR54, 10-20% , 5-15mm, Distinct; , 2.5YR46, 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 10-20%, coarse gravelly, 20-60mm, Quartz, coarse fragments;
B2	0.5 - 0.7 m	Red (2.5YR4/6-Moist); , 10YR63, 20-50% , 5-15mm, Distinct; , 10YR66, 20-50% , 5-15mm, Distinct; Medium heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Firm consistence; 2-10%, coarse gravelly, 20-60mm, Quartz, coarse fragments;
B3	0.7 - 0.8 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; , 10YR66, 10-20% , 5-15mm, Distinct; Medium heavy clay; Weak grade of structure, 10-20 mm, Polyhedral; Moist; Slightly plastic; 20-50%, Phyllite, coarse fragments;
B3	0.8 - 1.1 m	Light grey (2.5Y7/2-Moist); , 7.5YR66, 20-50% , 5-15mm, Distinct; , 5YR56, 20-50% , 5-15mm, Distinct; Medium heavy clay; Weak grade of structure, Polyhedral; Moist; Moderately plastic; 0-2%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
B3	1.1 - 1.18 m	Light greenish grey (5GY7/1-Moist); , 10YR66, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Medium heavy clay; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Moderately plastic; 20-50%, Phyllite, coarse fragments;
C	1.18 - 1.3 m	Greenish grey (5GY6/1-Moist); , 10YR66, 10-20% , 15-30mm, Prominent; , 10-20% , 15-30mm, Prominent; Massive grade of structure; Strong consistence; 90-100%, Phyllite, coarse fragments;

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1.3 - 1.6 m	Light grey (2.5Y7/2-Moist); , 2.5YR36, 2-10% , 0-5mm, Prominent; , 2-10% , 0-5mm, Prominent; Medium heavy clay; Weak grade of structure, Angular blocky; Very firm consistence;
1.6 - 1.8 m	Light grey (2.5Y7/2-Moist); , 10YR61, 2-10% , 0-5mm, Faint; , 5YR46, 2-10% , 0-5mm, Faint; Medium heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Very firm consistence; 2-10%, Phyllite, coarse fragments;
1.8 - 2.2 m	Light grey (2.5Y7/2-Moist); , 7.5YR56, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Medium clay (Heavy); Massive grade of structure; 2-10%, Phyllite, coarse fragments;
2.2 - 2.5 m	Light grey (2.5Y7/1-Moist); , 10YR61, 2-10% , 0-5mm, Faint; , 2.5Y64, 2-10% , 0-5mm, Faint; Medium clay; Massive grade of structure;
2.5 - 2.9 m	Light grey (2.5Y7/1-Moist); , 10R36, 10-20% , 15-30mm, Prominent; , 7.5YR58, 10-20% , 15-30mm, Prominent; Medium clay; Massive grade of structure;

Morphological Notes

Observation Notes

GRADATIONAL RED - YELLOW PODZOLIC SOIL.

Site Notes

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Laboratory Analyses Completed for this profile