

Project Name: GYC
Project Code: GYC **Site ID:** B667 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	07/08/69	Elevation:	122 metres
Map Ref.:	Sheet No. : 9445 1:100000	Rainfall:	1524
Northing/Long.:	152.820277777778	Runoff:	Slow
Easting/Lat.:	-26.1861111111111	Drainage:	Moderately well drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Rlk	Substrate Material:	Undisturbed soil core, 1.4 m deep,Phyllite

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	No Data
Slope:	<1.7 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Mesotrophic Red Dermosol		Principal Profile Form:	Gn3.74
ASC Confidence:		Great Soil Group:	No suitable group

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

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Mid Strata - Tree, , . *Species includes - None recorded
Tall Strata - Tree, , Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.02 m	Very dark greyish brown (10YR3/2-Moist); ; Silty loam; Weak grade of structure, 5-10 mm, Subangular blocky; Dry; Very firm consistence;
A12	0.02 - 0.1 m	Brown (7.5YR4/2-Moist); ; Silty loam (Heavy); Weak grade of structure, 5-10 mm, Subangular blocky; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Phyllite, coarse fragments;
A2	0.1 - 0.13 m	Strong brown (7.5YR5/6-Moist); ; Silty clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Phyllite, coarse fragments;
B1	0.13 - 0.2 m	Yellowish red (5YR5/6-Moist); , 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Silty medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Phyllite, coarse fragments;
B21	0.2 - 0.6 m	Yellowish red (5YR5/6-Moist); , 10YR66, 20-50% , 0-5mm, Distinct; , 2.5YR46, 20-50% , 0-5mm, Distinct; Silty medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Very firm consistence;
B22	0.6 - 0.8 m	Red (2.5YR4/6-Moist); , 10YR66, 20-50% , 0-5mm, Distinct; , 2.5Y71, 20-50% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Very firm consistence;
B31	0.8 - 1 m	Red (2.5YR4/6-Moist); , 2.5Y71, 20-50% , 5-15mm, Distinct; , 2.5Y64, 20-50% , 5-15mm, Distinct; Silty light clay (Heavy); Moderate grade of structure, Polyhedral; Dry; Very firm consistence; 10-20%, Phyllite, coarse fragments;
B32	1 - 1.4 m	Light grey (2.5Y7/1-Moist); , 2.5YR36, 10-20% , 5-15mm, Distinct; , 2.5Y74, 10-20% , 5-15mm, Distinct; Silty medium clay; Moderate grade of structure, Polyhedral; Dry; Firm consistence; 10-20%, Phyllite, coarse fragments;
C	1.4 - 1.6 m	Weak red (10R5/3-Moist); , 2.5Y71; Massive grade of structure; Very firm consistence; 90-100%, Phyllite, coarse fragments;
	1.6 - 1.9 m	Light grey (2.5Y7/1-Moist); , 10R53; Massive grade of structure; Very firm consistence; 90-100%, Phyllite, coarse fragments;

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1.9 - 2.6 m	Weak red (10R5/3-Moist); , 2.5Y71; Massive grade of structure; Very firm consistence; 90-100%, Phyllite, coarse fragments;
2.6 - 2.8 m	Weak red (2.5YR5/2-Moist); ; Massive grade of structure; Very firm consistence; 90-100%, Phyllite, coarse fragments;
2.8 - 2.9 m	Light grey (2.5Y7/1-Moist); , 10R53; Massive grade of structure; Strong consistence; 90-100%, Phyllite, coarse fragments;

Morphological Notes

Observation Notes

GRADATIONAL RED - YELLOW PODZOLIC SOIL.

Site Notes

NEUSAVALE

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[illegible]

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Laboratory Analyses Completed for this profile