

Project Name: GYC
Project Code: GYC **Site ID:** B659 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	27/08/69	Elevation:	61 metres
Map Ref.:	Sheet No. : 9445 1:100000	Rainfall:	1143
Northing/Long.:	152.711111111111	Runoff:	Rapid
Easting/Lat.:	-26.180833333333	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:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Mesotrophic Grey Chromosol		Principal Profile Form:	Dr5.21
ASC Confidence:		Great Soil Group:	Red podzolic soil

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

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, , . *Species includes - Imperata cylindrica
Mid Strata - Shrub, , . *Species includes - Acacia cunninghamii
Tall Strata - Tree, , Isolated clumps. *Species includes - Owenia venosa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.04 m	Dark reddish brown (5YR3/2-Moist); ; Loam; Strong grade of structure, 2-5 mm, Granular; Dry; Weak consistence;
A2	0.04 - 0.1 m	Brown (7.5YR4/2-Moist); ; Loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
A2	0.1 - 0.36 m	Brown (7.5YR4/2-Moist); ; Clay loam; Strong grade of structure, 5-10 mm, Polyhedral; Dry; Firm consistence; 0-2%, medium gravelly, 6-20mm, Phyllite, coarse fragments; Sharp change to -
B21	0.36 - 0.5 m	Red (2.5YR4/6-Moist); , 5Y61, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium heavy clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
B22	0.5 - 0.7 m	Grey (5Y6/1-Moist); , 7.5YR58, 10-20% , 5-15mm, Distinct; , 5YR46, 10-20% , 5-15mm, Distinct; Medium heavy clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
B31	0.7 - 1 m	Brownish yellow (10YR6/6-Moist); , 2.5Y71, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Very firm consistence; 0-2%, Quartz, coarse fragments;
B32	1 - 1.2 m	Light brownish grey (2.5Y6/3-Moist); , 2.5YR46, 20-50% , 5-15mm, Distinct; , 2.5Y71, 20-50% , 5-15mm, Distinct; Silty medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
B3	1.2 - 1.4 m	Light brownish grey (2.5Y6/3-Moist); , 2.5YR46, 20-50% , 5-15mm, Distinct; , 2.5Y71, 20-50% , 5-15mm, Distinct; Weak grade of structure, Polyhedral; Moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
C	1.4 - 1.7 m	Red (2.5YR4/5-Moist); , 2.5Y71; Massive grade of structure; Strong consistence; 50-90%, Phyllite, coarse fragments;
	1.7 - 2 m	Reddish brown (2.5YR4/4-Moist); ; Massive grade of structure; Strong consistence; 50-90%, Phyllite, coarse fragments;

Morphological Notes

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Observation Notes

0-4CM POROUS GRANULAR STRUCTURE. 120-140CM FEW MEDIUM QUARTZ GRAVELS.

Site Notes

DEEP CREEK

Laboratory Test Results:

0 - 0.04
0 - 0.1
0.1 - 0.4
0.4 - 0.5
0.5 - 0.7
0.7 - 1
1 - 1.2
1.2 - 1.4
1.4 - 1.7
1.7 - 2

0 - 0.04
0 - 0.1
0.1 - 0.4
0.4 - 0.5
0.5 - 0.7
0.7 - 1
1 - 1.2
1.2 - 1.4
1.4 - 1.7
1.7 - 2

0 - 0.04
0 - 0.1
0.1 - 0.4
0.4 - 0.5
0.5 - 0.7
0.7 - 1
1 - 1.2
1.2 - 1.4
1.4 - 1.7
1.7 - 2

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Laboratory Analyses Completed for this profile