

Project Name: GYC
Project Code: GYC **Site ID:** B694 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: C.H. Thompson	Locality:
Date Desc.: 22/10/69	Elevation: 90 metres
Map Ref.: Sheet No. : 9445 1:100000	Rainfall: 1270
Northing/Long.: 152.582777777778	Runoff: Moderately rapid
Easting/Lat.: -26.171666666667	Drainage: Moderately well drained

Geology

ExposureType: Undisturbed soil core	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: C-Pa	Substrate Material: Undisturbed soil core, 0.98 m deep, Andesite

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: 6.12 %	Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Mesotrophic Brown Dermosol	Principal Profile Form: Gn3.22
ASC Confidence:	Great Soil Group: Prairie soil
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, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, , , Andesite

Profile Morphology

A11	0 - 0.04 m	Very dark brown (10YR2/2-Moist); ; Clay loam (Light); Moderate grade of structure, <2 mm, Granular; Moist; Very weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations;
A12	0.04 - 0.11 m	Dark brown (10YR3/3-Moist); ; Clay loam (Heavy); Strong grade of structure, 2-5 mm, Granular; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations;
A13	0.11 - 0.24 m	Dark brown (10YR3/3-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Andesite, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Soft segregations;
B21	0.24 - 0.34 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Moderately plastic; 0-2%, fine gravelly, 2-6mm, Andesite, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Soft segregations;
B21	0.34 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Polyhedral; Moist; Moderately plastic; 0-2%, fine gravelly, 2-6mm, Andesite, coarse fragments; Few (2 - 10 %), Manganiferous, , Soft segregations;
B22	0.5 - 0.74 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Polyhedral; Moist; Very firm consistence; Few (2 - 10 %), Manganiferous, , Soft segregations;
B3	0.74 - 0.98 m	Olive (5Y4/3-Moist); , 10YR43, 10-20% , 15-30mm, Faint; , 10YR58, 10-20% , 15-30mm, Faint; Sandy medium clay; , Polyhedral; Moist; Very firm consistence; 2-10%, Andesite, coarse fragments;
C	0.98 - 1.2 m	Light olive brown (2.5Y5/4-Moist); ; Massive grade of structure; Strong consistence; 50-90%, Andesite, coarse fragments;
	1.2 - 1.44 m	Light olive brown (2.5Y5/4-Moist); , 10YR54; Massive grade of structure; Strong consistence; 50-90%, Andesite, coarse fragments;
	1.44 - 1.6 m	Light olive brown (2.5Y5/4-Moist); , 7.5YR54, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Sandy medium clay; Massive grade of structure; Firm consistence;

Morphological Notes

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Observation Notes

0-10CM POROUS GRANULAR STRUCTURE.

Site Notes

GLASTONBURY

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Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%

0 - 0.04
0 - 0.1
0.1 - 0.2
0.2 - 0.3
0.3 - 0.5
0.5 - 0.7
0.7 - 1
1 - 1.2
1.2 - 1.5
1.5 - 1.6

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

0 - 0.04
0 - 0.1
0.1 - 0.2
0.2 - 0.3
0.3 - 0.5
0.5 - 0.7
0.7 - 1
1 - 1.2
1.2 - 1.5
1.5 - 1.6

[illegible]

0 - 0.04
0 - 0.1
0.1 - 0.2
0.2 - 0.3
0.3 - 0.5
0.5 - 0.7
0.7 - 1
1 - 1.2
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Laboratory Analyses Completed for this profile