

Project Name: GYC
Project Code: GYC **Site ID:** B527 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	19/11/63	Elevation:	80 metres
Map Ref.:	Sheet No. : 9445 1:100000	Rainfall:	1143
Northing/Long.:	152.654166666667	Runoff:	Rapid
Easting/Lat.:	-26.213888888889	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Rlk	Substrate Material:	Shale

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	30 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Class Undetermined Bleached Tenosol		Principal Profile Form:	Um2.12
ASC Confidence:		Great Soil Group:	Lithosol
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus punctata, Eucalyptus species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.06 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; Weak grade of structure, 5-10 mm, Polyhedral; Few (<1 per 100mm ²) Fine (1-2mm) macropores, Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, coarse fragments; Field pH 5.7 (pH meter); Many, fine (1-2mm) roots; Clear change to -
A2	0.06 - 0.28 m	Pale brown (10YR6/3-Moist); ; Loam; Massive grade of structure; Few (<1 per 0.01m ²) Coarse (>5mm) macropores, Moderately moist; Firm consistence; 20-50%, coarse gravelly, 20-60mm, coarse fragments; Field pH 5.3 (pH meter); Few, fine (1-2mm) roots; Clear change to -
C	0.28 - 0.46 m	Red (10R4/6-Moist); , 10YR72, 10-20% , 15-30mm, Prominent; , 10-20% , 15-30mm, Prominent; Loam; Massive grade of structure;

Morphological Notes

Observation Notes

Site Notes

GYMPIE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.06	5.7H	0.02B	2.4K	3.5	0.8	0.41	10.8D		
0.06 - 0.28	5.3H	0.01B	0.05K	0.9	0.39	0.22	11.9D		

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.06		2.33A	21C	0.029F	0.17B			15	20C	27	31	16
0.06 - 0.28		0.76A	5C	0.016F	0.079B			25	19C	24	35	21

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_H	Hydrogen Cation - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded