

**Project Name:** GYC  
**Project Code:** GYC      **Site ID:** B664      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	C.H. Thompson	<b>Locality:</b>	
<b>Date Desc.:</b>	//	<b>Elevation:</b>	91 metres
<b>Map Ref.:</b>	Sheet No. : 9445    1:100000	<b>Rainfall:</b>	1270
<b>Northing/Long.:</b>	152.77111111111111	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-26.3666666666667	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	Undisturbed soil core	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Rlk	<b>Substrate Material:</b>	Undisturbed soil core, 1 m deep, Phyllite

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	7 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Mottled Mesotrophic Red Chromosol		<b>Principal Profile Form:</b>	Dr2.21
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red podzolic soil

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 - Acacia cunninghamii  
Tall Strata - Tree, , Mid-dense. \*Species includes - None Recorded

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Silty loam; Moderate grade of structure, 2-5 mm, Polyhedral; Moderately moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
A2	0.09 - 0.18 m	Reddish brown (5YR4/4-Moist); ; Silty clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Phyllite, coarse fragments; Clear change to -
B2	0.18 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Phyllite, coarse fragments;
B2	0.3 - 0.4 m	Yellowish red (5YR4/6-Moist); , 10YR64, 0-2% , 0-5mm, Faint; , 0-2% , 0-5mm, Faint; Medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Moist; Firm consistence; 2-10%, coarse gravelly, 20-60mm, Phyllite, coarse fragments;
B2	0.4 - 0.5 m	Reddish yellow (5YR6/6-Moist); , 2.5YR36, 20-50% , 0-5mm, Faint; , 10YR64, 20-50% , 0-5mm, Faint; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Very firm consistence; 0-2%, Phyllite, coarse fragments;
B2	0.5 - 0.65 m	Light brown (7.5YR6/4-Moist); , 2.5YR36, 20-50% , 0-5mm, Distinct; , 2.5Y62, 20-50% , 0-5mm, Distinct; Medium heavy clay; Weak grade of structure, 10-20 mm, Polyhedral; Moist; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, Phyllite, coarse fragments;
B3	0.65 - 0.9 m	Light grey (2.5Y7/2-Moist); , 10YR66, 2-10% , 0-5mm, Distinct; , 7.5YR64, 2-10% , 0-5mm, Distinct; Medium heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, Phyllite, coarse fragments;
	0.9 - 1.66 m	Light grey (2.5Y7/2-Moist); , 10YR58, 2-10% , 0-5mm, Distinct; , 2.5YR46, 2-10% , 0-5mm, Distinct; Silty medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Very firm consistence; 10-20%, Phyllite, coarse fragments;
	1.66 - 2.14 m	Reddish brown (2.5YR4/4-Moist); ; Massive grade of structure; Strong consistence; 50-90%, Phyllite, coarse fragments;

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2.14 - 2.4 m      Greyish brown (2.5Y5/2-Moist); , 7.5YR58, 10-20% , 0-5mm, Distinct; , 2.5YR46, 10-20% , 0-5mm, Distinct; Silty medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Phyllite, coarse fragments;

**Morphological Notes**

**Observation Notes**

**Site Notes**

COLES CREEK

**Laboratory Test Results:**

0 - 0.1  
0.1 - 0.2  
0.2 - 0.3  
0.3 - 0.4  
0.4 - 0.5  
0.5 - 0.7  
0.7 - 0.9  
0.9 - 1.7  
1.7 - 2.2  
2.2 - 2.4

0 - 0.1  
0.1 - 0.2  
0.2 - 0.3  
0.3 - 0.4  
0.4 - 0.5  
0.5 - 0.7  
0.7 - 0.9  
0.9 - 1.7  
1.7 - 2.2  
2.2 - 2.4

0 - 0.1  
0.1 - 0.2  
0.2 - 0.3  
0.3 - 0.4  
0.4 - 0.5  
0.5 - 0.7  
0.7 - 0.9  
0.9 - 1.7  
1.7 - 2.2  
2.2 - 2.4

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Laboratory Analyses Completed for this profile