

Project Name: GYC
Project Code: GYC **Site ID:** B524 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	19/11/63	Elevation:	76 metres
Map Ref.:	Sheet No. : 9445 1:100000	Rainfall:	1143
Northing/Long.:	152.569444444444	Runoff:	Rapid
Easting/Lat.:	-26.172222222222	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	R-Jy	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	15 metres
Elem. Type:	Scarp-foot slope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Red Kandosol		Principal Profile Form:	Uc5.21
ASC Confidence:		Great Soil Group:	Red earth

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Tussock grass, , Closed or dense. *Species includes - Aristida species, Chloris gayana
Tall Strata - Tree, , Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Dark reddish brown (5YR3/3-Moist); ; Sandy loam; Weak grade of structure, 5-10 mm, Subangular blocky; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Moist; Very weak consistence; Field pH 6.1 (pH meter); Clear change to -
A3	0.15 - 0.38 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Common (1-5 per 0.01m2) Coarse (>5mm) macropores, Dry; Weak consistence; Field pH 5.8 (pH meter); Diffuse change to -
B1	0.38 - 0.76 m	Dark reddish brown (5YR3/4-Moist); ; Clayey sand (Heavy); Massive grade of structure; Earthy fabric; Common (1-5 per 0.01m2) Medium (2-5mm) macropores, Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, Sandstone, coarse fragments; Field pH 5.7 (pH meter); Diffuse change to -
B21	0.76 - 1.09 m	Dark reddish brown (2.5YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 0.01m2) Medium (2-5mm) macropores, Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, Sandstone, coarse fragments; Field pH 5.6 (pH meter); Diffuse change to -
B22	1.09 - 1.55 m	Reddish brown (2.5YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Sandstone, coarse fragments; Field pH 5.7 (pH meter); Diffuse change to -
B3	1.55 - 2.08 m	Red (2.5YR4/5-Moist); ; Clayey sand (Heavy); Massive grade of structure; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Sandstone, coarse fragments; Field pH 6.1 (pH meter); Diffuse change to -
B3	2.14 - 2.49 m	Red (2.5YR4/5-Moist); ; Clayey sand (Heavy); Massive grade of structure; Moist; Very weak consistence; 10-20%, medium gravelly, 6-20mm, Sandstone, coarse fragments; Field pH 6.2 (pH meter); Diffuse change to -
B3	2.49 - 2.67 m	Red (2.5YR4/5-Moist); , 10YR6/7, 20-50% , 5-15mm, Distinct; , 5YR6/6, 20-50% , 5-15mm, Distinct; Clayey sand; Massive grade of structure; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Sandstone, coarse fragments; Field pH 6.3 (pH meter);

Morphological Notes

Observation Notes

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Site Notes

GREENDALE

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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		%
							(+)/kg		
0 - 0.15	6.1H	0.01B	1.4K	0.51	0.69	0.08	5.8D		
0.15 - 0.38	5.8H	0.01B							
0.38 - 0.76	5.7H	0.01B	0.89K	0.26	0.48	0.08	4.1D		
0.76 - 1.09	5.6H	0.01B							
1.09 - 1.55	5.7H	0.01B	1.7K	0.7	0.31	0.22	1.5D		
1.55 - 2.08	6.1H	0.01B							
2.14 - 2.49	6.2H	0.01B							
2.49 - 2.67	6.3H	0.01B							

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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