

Project Name: SAM
Project Code: SAM **Site ID:** B577 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	01/04/68	Elevation:	59 metres
Map Ref.:	Sheet No. : 9443 1:100000	Rainfall:	1016
Northing/Long.:	152.883333333333	Runoff:	Rapid
Easting/Lat.:	-27.366666666667	Drainage:	No Data

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Rga	Substrate Material:	Undisturbed soil core, 1.2 m deep, Unconsolidated material

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	30 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	5.25 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Brown Kandosol		Principal Profile Form:	Gn2.61
ASC Confidence:		Great Soil Group:	Yellow earth
No analytical data are available but confidence is fair.			

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, ,

Profile Morphology

A1p	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Weak grade of structure, 5-10 mm, Subangular blocky; Massive grade of structure; Dry; Loose consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 6.2 (pH meter);
A1p	0.1 - 0.2 m	Dark brown (10YR3/3-Moist); ; Sandy loam (Light); Weak grade of structure, 5-10 mm, Subangular blocky; Massive grade of structure; Dry; Loose consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 6.5 (pH meter);
A1p	0.2 - 0.24 m	Dark brown (10YR3/3-Moist); ; Sandy loam (Light); Massive grade of structure; Dry; Very weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 6.7 (pH meter);
B11	0.24 - 0.3 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Field pH 6.7 (pH meter);
B12	0.3 - 0.46 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; Field pH 6.2 (pH meter);
B21	0.46 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; 5YR56, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Field pH 5.8 (pH meter);
B22	0.6 - 0.75 m	Yellowish brown (10YR5/6-Moist); ; 5YR46, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, Distinct; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Field pH 5.6 (pH meter);
B23	0.75 - 0.9 m	Yellowish brown (10YR5/6-Moist); ; 5YR46, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, Distinct; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, coarse fragments; Field pH 5.5 (pH meter);
B31	0.9 - 1.1 m	Yellowish brown (10YR5/4-Moist); ; 5YR46, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, Distinct; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Field pH 5.3 (pH meter);

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B32	1.1 - 1.2 m	Yellowish brown (10YR5/4-Moist); , 5YR46, 10-20% , 5-15mm, Distinct; , 2.5Y71, 10-20% , 5-15mm, Distinct; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, coarse gravelly, 20-60mm, coarse fragments; Field pH 5.1 (pH meter);
D	1.2 - 1.27 m	Yellowish brown (10YR5/6-Moist); , 5YR46, 20-50% , 5-15mm, Distinct; , 2.5Y61, 20-50% , 5-15mm, Distinct; Light medium clay; Weak grade of structure, 10-20 mm, Polyhedral; Dry; Firm consistence; 0-2%, coarse gravelly, 20-60mm, coarse fragments;
D	1.27 - 1.35 m	Yellowish brown (10YR5/6-Moist); , 2.5Y61, 20-50% , 5-15mm, Distinct; , 5YR56, 20-50% , 5-15mm, Distinct; Light medium clay; Weak grade of structure, 10-20 mm, Polyhedral; Dry; Firm consistence; 0-2%, coarse gravelly, 20-60mm, coarse fragments;
D	1.35 - 1.44 m	Grey (2.5Y6/0-Moist); , 10R36, 20-50% , 5-15mm, Prominent; , 10YR56, 20-50% , 5-15mm, Prominent; Light medium clay; Weak grade of structure, 10-20 mm, Polyhedral; Dry; Firm consistence;

Morphological Notes

Observation Notes

Site Notes

SAMFORD

Laboratory Test Results:

[illegible]

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Laboratory Analyses Completed for this profile

2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content