

Project Name: RR
Project Code: RR **Site ID:** B278 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	University farm
Date Desc.:	08/05/56	Elevation:	12 metres
Map Ref.:	Sheet No. : 9442 1:100000	Rainfall:	0
Northing/Long.:	152.920555555556	Runoff:	Moderately rapid
Easting/Lat.:	-27.525	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Pzn	Substrate Material:	Auger boring, 1.2 m deep,Gypsum

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	26.2 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Hypernatric Red Sodosol		Principal Profile Form:	Gn3.54
ASC Confidence:		Great Soil Group:	Red podzolic soil
All necessary analytical data are available.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - Digitaria didactyla, Chloris species
Tall Strata - Tree, 6.01-12m, Sparse. *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); ; Clay loam; Strong grade of structure, 5-10 mm, Angular blocky; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 7.2 (pH meter); Abundant, very fine (0-1mm) roots; Clear change to -
A3	0.1 - 0.19 m	Dark greyish brown (10YR4/2-Moist); , 10YR62, 20-50% , 0-5mm, Faint; , 5YR44, 20-50% , 0-5mm, Faint; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 6.3 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
B21	0.22 - 0.5 m	Dark red (2.5YR3/6-Moist); , 7.5YR56, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 5.7 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B22	0.5 - 0.84 m	Strong brown (7.5YR5/6-Moist); , 7.5YR68, 20-50% , 0-5mm, Faint; , 5YR46, 20-50% , 0-5mm, Faint; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Gypsum, coarse fragments; Field pH 5.5 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B3	0.84 - 1.17 m	Strong brown (7.5YR5/6-Moist); , 10YR66, 20-50% , 0-5mm, Distinct; , 10YR71, 20-50% , 0-5mm, Distinct; Light medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Weak consistence; 20-50%, coarse gravelly, 20-60mm, Gypsum, coarse fragments; Field pH 5.1 (pH meter);

Morphological Notes

Observation Notes

0-50CM QUARTZ AND GRAYWACKE COARSE FRAGMENTS

Site Notes

MOGGILL

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[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
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