

Project Name: RR
Project Code: RR **Site ID:** B555 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	07/09/66	Elevation:	305 metres
Map Ref.:	Sheet No. : 9044 1:100000	Rainfall:	690
Northing/Long.:	150.6	Runoff:	No runoff
Easting/Lat.:	-26.7166666666667	Drainage:	Poorly drained

Geology

Exposure Type:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qs	Substrate Material:	Undisturbed soil core, No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	9 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epihypersodic Epipedal Grey Vertosol		Principal Profile Form:	Ug5.24
ASC Confidence:		Great Soil Group:	Grey clay

All necessary analytical data are available.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Tall Strata - Tree, , Isolated plants. *Species includes - Acacia harpophylla, Brachychiton rupestris

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; 5-10 mm, Angular blocky; Wet; Very plastic; 0-2%, coarse gravelly, 20-60mm, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 - 6 mm), Nodules; Field pH 7 (pH meter); Gradual change to -
A1	0.1 - 0.2 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; 5-10 mm, Angular blocky; Wet; Very plastic; 0-2%, coarse gravelly, 20-60mm, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 - 6 mm), Nodules; Field pH 7.7 (pH meter);
A1	0.2 - 0.3 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; 5-10 mm, Angular blocky; Wet; Very plastic; 0-2%, coarse gravelly, 20-60mm, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 - 6 mm), Nodules; Field pH 8.2 (pH meter); Gradual change to -
B2	0.3 - 0.45 m	Grey (10YR5/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; 5-10 mm, Angular blocky; Wet; Very plastic; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 - 6 mm), Nodules; Field pH 7.8 (pH meter);
B2	0.45 - 0.6 m	Grey (10YR5/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; 5-10 mm, Angular blocky; Wet; Very plastic; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 - 6 mm), Nodules; Field pH 6.1 (pH meter); Diffuse change to -
B2	0.6 - 0.9 m	Grey (10YR5/1-Moist); ; Medium heavy clay; 50-100 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules; Field pH 6 (pH meter);
B2	0.9 - 1.2 m	Grey (10YR5/1-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; 10-20 mm, Angular blocky; Moist; Firm consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules; Field pH 6 (pH meter);
B2	1.2 - 1.5 m	Grey (10YR5/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; 20-50 mm, Lenticular; Moist; Firm consistence; Very few (0 - 2 %), Manganiferous, , Nodules; Field pH 6.8 (pH meter);

Project Name: RR
Project Code: RR **Site ID:** B555 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

B2 1.5 - 1.8 m Grey (10YR5/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; 20-50 mm, Lenticular; Moist; Firm consistency; Very few (0 - 2 %), Manganiferous, , Nodules; Field pH 7.2 (pH meter);

B2 1.8 - 2.1 m Grey (10YR5/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; 20-50 mm, Lenticular; Moist; Firm consistency; Very few (0 - 2 %), Manganiferous, , Nodules;

B2 2.1 - 2.4 m Grey (10YR6/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; 20-50 mm, Lenticular; Moist; Firm consistency; Very few (0 - 2 %), Manganiferous, , Soft segregations;

B2 2.4 - 2.6 m Grey (10YR6/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; 20-50 mm, Lenticular; Moist; Firm consistency; Very few (0 - 2 %), Manganiferous, , Soft segregations;

B2 2.6 - 2.8 m Grey (10YR6/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; 20-50 mm, Lenticular; Moist; Firm consistency; Very few (0 - 2 %), Manganiferous, , Soft segregations; Diffuse change to -

B3 2.8 - 2.95 m Grey (10YR6/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; 20-50 mm, Lenticular; Moist; Firm consistency; 0-2%, Silcrete, coarse fragments;

B3 2.95 - 3.1 m Grey (10YR6/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; 20-50 mm, Lenticular; Moist; Firm consistency; 0-2%, Silcrete, coarse fragments; Clear change to -

C 3.1 - 3.3 m ;

Morphological Notes

C W(10YR92)with GB&PY patch';weat'd siltstone with clay veins

Observation Notes

(10YR 9/2) WITH GB & PY PATCHES; WEATHERED SILTSTONE WITH CLAY VEINS.

Site Notes

CHINCHILA

Project Name: RR
Project Code: RR
Agency Name: CSIRO Division

Site ID: B555

Observation ID: 1

Laboratory Test Results:

Project Name: RR **Project Code:** RR **Site ID:** B555 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

1.5 - 1.8
1.8 - 2.1
2.1 - 2.4
2.4 - 2.6
2.6 - 2.8
2.8 - 2.95
2.95 - 3.1
3.1 - 3.3

Project Name: RR **Site ID:** B555 **Observation ID:** 1
Project Code: RR **Agency Name:** CSIRO Division of Soils (QLD)

Laboratory Analyses Completed for this profile

10A1	Total sulfur - X-ray fluorescence
15_NR_H	Hydrogen Cation - meq per 100g of soil - Not recorded
15A2_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
17A1	Total potassium - X-ray fluorescence
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9A1	Total phosphorus - X-ray fluorescence
9B_9C	Available P (mg/kg) - Bicarbonate P - 0.5M NaHCO ₃ extractable
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H ₂ SO ₄ (BSES)
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
P3A1	Bulk density - g/cm ³
P3B3VLe004	0.04 BAR Moisture m3/m ³ - Volumetric using undisturbed 60mm diameter and 34mm height core on suction plate
P3B3VLe01	0.1 BAR Moisture m3/m ³ - Volumetric using undisturbed 60mm diameter and 34mm height core on suction plate
P3B3VLe03	0.3 BAR Moisture m3/m ³ - Volumetric using undisturbed 60mm diameter and 34mm height core on suction plate
P3B3VLe06	0.6 BAR Moisture m3/m ³ - Volumetric using undisturbed 60mm diameter and 34mm height core on pressure plate
P3B3VLe15	15 BAR Moisture m3/m ³ - Volumetric using undisturbed 60mm diameter and 34mm height core on pressure plate
P3B3VLe2	2 BAR Moisture m3/m ³ - Volumetric using undisturbed 60mm diameter and 34mm height core on pressure plate
P3B3VLe7	7 BAR Moisture m3/m ³ - Volumetric using undisturbed 60mm diameter and 34mm height core on pressure plate