

Project Name: RR
Project Code: RR **Site ID:** B500 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	13/09/63	Elevation:	137 metres
Map Ref.:	Sheet No. : 8950 1:100000	Rainfall:	707
Northing/Long.:	150.117777777778	Runoff:	Rapid
Easting/Lat.:	-23.6625	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Soil pit, 0.64 m deep, Igneous rock (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Crest	Relief:	30 metres
Elem. Type:	No Data	Slope Category:	Gently inclined
Slope:	8.7 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Epipedal Red Vertosol		Principal Profile Form:	Gn3.13
ASC Confidence:		Great Soil Group:	No suitable group
All necessary analytical data are available.			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, , Closed or dense. *Species includes - Heteropogon contortus

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus dichromophloia

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, angular, Igneous rock (unidentified)

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Light clay (Heavy); Moderate grade of structure, 5-10 mm, Polyhedral; Many (>5 per 0.01m2) Medium (2-5mm) macropores, Moderately moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, coarse fragments; Field pH 6.6 (pH meter); Clear change to -
B21	0.1 - 0.36 m	Red (2.5YR4/5-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Polyhedral; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, coarse fragments; Field pH 7 (pH meter); Clear change to -
B22	0.36 - 0.53 m	Dark reddish brown (5YR3/4-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 7.9 (pH meter); Clear change to -
B3	0.53 - 0.64 m	Yellowish red (5YR3/5-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Lenticular; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 - 6 mm), Nodules; Field pH 8.7 (pH meter); Gradual change to -
C1	0.64 - 0.84 m	Reddish brown (5YR4/3-Moist); , 5Y62; , 10YR82; Light clay (Heavy); Massive grade of structure; Moderately moist; Firm consistence; 2-10%, Substrate material, coarse fragments; Field pH 8.9 (pH meter); Gradual change to -
C2	0.84 - 1.07 m	; Field pH 8.8 (pH meter);

Morphological Notes

C2 Weathered rock.

Observation Notes

MOTTLED RB(5YR4/3) WHITE AND GREY WEATHERED ROCK.

Site Notes

WESTWOOD

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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
19B_NR	Calcium Carbonate (CaCO ₃) - 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