

Project Name: WQA
Project Code: WQA **Site ID:** B610 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/09/69	Elevation:	120 metres
Map Ref.:	Sheet No. : 7047	Rainfall:	225
Northing/Long.:	140.966666666667	Runoff:	No Data
Easting/Lat.:	-24.027222222222	Drainage:	No Data

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Kw	Substrate Material:	Auger boring, 1 m deep, No Data

Land Form

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

Surface Soil Condition (dry): Surface crust

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endohypersodic Self-Mulching Red Vertosol		Principal Profile Form:	Ug5.33
ASC Confidence:		Great Soil Group:	Brown clay

Analytical data are incomplete but reasonable confidence.

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - Forb, 12.01-20m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, , Gravel

Profile Morphology

A1	0 - 0.1 m	Yellowish red (5YR5/6-Moist); ; Light medium clay; Strong grade of structure, Granular; Dry; Loose consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 7 (pH meter); Clear change to -
B2	0.1 - 0.2 m	Yellowish red (5YR5/6-Moist); ; Medium clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.6 (pH meter); Gradual change to -
B2	0.2 - 0.3 m	Yellowish red (5YR5/6-Moist); ; Medium heavy clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.4 (pH meter); Gradual change to -
B2	0.3 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Medium heavy clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.5 (pH meter); Gradual change to -
B2	0.6 - 0.9 m	Yellowish red (5YR5/6-Moist); ; Medium heavy clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.6 (pH meter); Gradual change to -
B2	0.9 - 1 m	Yellowish red (5YR5/6-Moist); ; Medium heavy clay; , Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.7 (pH meter); Clear change to -
	1 - 1.2 m	Yellowish red (5YR5/6-Moist); , 10YR82, 20-50% , 5-15mm, Prominent; , 20-50% , 5-15mm, Prominent; Medium clay; , Angular blocky; Firm consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.4 (pH meter);
	1.2 - 1.5 m	Yellowish red (5YR5/6-Moist); , 10YR82, 20-50% , 5-15mm, Prominent; , 20-50% , 5-15mm, Prominent; Medium clay; , Angular blocky; Weak consistence; Field pH 6 (pH meter);
	1.5 - 1.8 m	White (2.5Y8/2-Moist); , 10YR72, 20-50% , 5-15mm, Prominent; , 5YR56, 20-50% , 5-15mm, Prominent; Medium clay; , Angular blocky; Weak consistence; Field pH 6.7 (pH meter);
	1.8 - 2.1 m	White (2.5Y8/2-Moist); , 10YR72, 20-50% , 5-15mm, Prominent; , 5YR56, 20-50% , 5-15mm, Prominent; Medium clay; , Angular blocky; Weak consistence; Field pH 5.6 (pH meter);

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2.1 - 2.25 m	White (2.5Y8/2-Moist); , 2.5Y86, 20-50% , 5-15mm, Prominent; , 10YR68, 20-50% , 5-15mm, Prominent; Medium clay; Weak consistence; Field pH 5.5 (pH meter);
2.25 - 2.4 m	Brownish yellow (10YR6/8-Moist); , 10YR72; , 2.5Y82; Medium clay; Weak consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 5.5 (pH meter);
2.4 - 2.7 m	Yellow (2.5Y7/6-Moist); , 10YR68; Medium clay; Weak consistence; Field pH 5.6 (pH meter);
2.7 - 3 m	White (2.5Y8/2-Moist); , 10YR78; Light clay; Weak consistence; Field pH 5.4 (pH meter);

Morphological Notes

Observation Notes

Site Notes

CURAWILLA

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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
17A_NR	Total element - K(%) - Not recorded
2_LOI	Loss on Ignition (%)
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
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)
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
XRD_C_II	Illite - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Mm	Montmorillonite - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction