

Project Name: WQA
Project Code: WQA **Site ID:** B602 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/09/69	Elevation:	No Data
Map Ref.:	Sheet No. : 6948 1:100000	Rainfall:	221
Northing/Long.:	140.076666666667	Runoff:	Rapid
Easting/Lat.:	-24.533333333333	Drainage:	Moderately well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Klm	Substrate Material:	Auger boring, 0.75 m deep, Unconsolidated material (unidentified)

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
Haplic Self-Mulching Brown Vertosol		Principal Profile Form:	Ug5.32
ASC Confidence:		Great Soil Group:	Brown clay

No analytical data are available but confidence is fair.

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

Vegetation:

Tall Strata - Forb, <0.25m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR5/4-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Dry; Loose consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.9 (pH meter); Clear change to -
B2	0.1 - 0.2 m	Strong brown (7.5YR5/6-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.6 (pH meter); Gradual change to -
B2	0.2 - 0.3 m	Strong brown (7.5YR5/6-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.4 (pH meter); Gradual change to -
B2	0.3 - 0.6 m	Strong brown (7.5YR5/6-Dry); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.5 (pH meter); Gradual change to -
B2	0.6 - 0.75 m	Strong brown (7.5YR5/6-Dry); ; Medium clay; , Angular blocky; Dry; Strong consistence; Few (2 - 10 %), Gypseous, , Crystals; Field pH 6.6 (pH meter); Gradual change to -
	0.75 - 0.9 m	Pale yellow (2.5Y8/4-Moist); ; Medium clay; Few (2 - 10 %), Gypseous, , Crystals; Field pH 6.8 (pH meter);
	0.9 - 1.2 m	Brownish yellow (10YR6/6-Moist); ; Medium clay; Few (2 - 10 %), Gypseous, , Crystals; Field pH 6.7 (pH meter);
	1.2 - 1.5 m	Pale yellow (2.5Y8/4-Moist); ; Medium clay; Few (2 - 10 %), Gypseous, , Crystals; Field pH 6.2 (pH meter);
	1.5 - 1.8 m	Brownish yellow (10YR6/6-Moist); ; Few (2 - 10 %), Gypseous, , Crystals; Field pH 5.8 (pH meter);

Morphological Notes

Observation Notes

ALTERNATING CLAY BANDS BELOW 75CM.

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NYAMA

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[illegible]

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Laboratory Analyses Completed for this profile

10A_NR	Total element - S(%) - Not recorded
17A_NR	Total element - K(%) - 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
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_Hm	Hematite - X-Ray Diffraction
XRD_C_Il	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
XRD_C_Vm	Vermiculite - X-Ray Diffraction