

Project Name: WQA
Project Code: WQA **Site ID:** B612 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/09/69	Elevation:	97 metres
Map Ref.:	Sheet No. : 7147 1:100000	Rainfall:	225
Northing/Long.:	141.276666666667	Runoff:	No Data
Easting/Lat.:	-25.170833333333	Drainage:	No Data

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qa	Substrate Material:	Auger boring, 1.4 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endohypersodic Self-Mulching Grey Vertosol		Principal Profile Form:	Ug5.24
ASC Confidence:		Great Soil Group:	Grey clay
All necessary analytical data are available.			

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

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very pale brown (10YR7/3-Dry); ; Light medium clay; Strong grade of structure, 2-5 mm, Granular; Dry; Weak consistence; Field pH 6.6 (pH meter); Gradual change to -
A1	0.1 - 0.2 m	Pale brown (10YR6/3-Dry); ; Medium clay; Strong grade of structure, 5-10 mm, Granular; Dry; Very firm consistence; Field pH 7 (pH meter); Clear change to -
B2	0.2 - 0.3 m	Pale brown (10YR6/3-Dry); ; Medium clay; Moderate grade of structure, Angular blocky; Dry; Strong consistence; Field pH 6.8 (pH meter); Gradual change to -
B2	0.3 - 0.6 m	Light brownish grey (10YR6/2-Dry); ; Medium heavy clay; Moderate grade of structure, Angular blocky; Dry; Strong consistence; Field pH 6.6 (pH meter); Gradual change to -
B2	0.6 - 0.9 m	Light brownish grey (10YR6/2-Dry); ; Medium heavy clay; Moderate grade of structure, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.8 (pH meter); Gradual change to -
B2	0.9 - 1.2 m	Light brownish grey (10YR6/2-Dry); ; Medium heavy clay; , Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.6 (pH meter); Gradual change to -
B3	1.2 - 1.4 m	Light brownish grey (10YR6/2-Dry); ; Medium clay; , Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.9 (pH meter); Gradual change to -
C	1.4 - 1.5 m	Very pale brown (10YR7/4-Dry); ; Fine sandy clay loam; Massive grade of structure; Dry; Very firm consistence; Field pH 7.2 (pH meter); Gradual change to -
	1.5 - 1.55 m	Yellow (10YR7/5-Dry); , 10YR72, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Clay loam, fine sandy; Massive grade of structure; Very firm consistence; Field pH 7.3 (pH meter); Gradual change to -
	1.55 - 1.8 m	Yellow (10YR7/5-Dry); , 10YR72, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Fine sandy loam; Massive grade of structure; Very firm consistence; Field pH 7.4 (pH meter); Gradual change to -
	1.8 - 2 m	Yellow (10YR7/5-Dry); , 10YR72, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Sandy light clay; Very firm consistence; Field pH 7.4 (pH meter);

Project Name: WQA
Project Code: WQA Site ID: B612 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Observation Notes

Site Notes

CURRAWILLA

Morphological Notes

Project Name: WQA
Project Code: WQA Site ID: B612 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	6.6H	0.029B								
0.1 - 0.2	7H	0.02B								
0.2 - 0.3	6.8H	0.056B	11.4K	5.8	0.3	1.4	3.4D			
0.3 - 0.6	6.6H	0.23B								
0.6 - 0.9	6.8H	0.42B								
0.9 - 1.2	6.6H	0.57B								
1.2 - 1.4	6.9H	0.4B								
1.4 - 1.5	7.2H	0.21B								
1.5 - 1.55	7.3H	0.22B								
1.55 - 1.8	7.4H	0.36B								
1.8 - 2	7.4H	0.32B								

[illegible][illegible]

Project Name: WQA
Project Code: WQA Site ID: B612 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Analyses Completed for this profile

10A_NR	Total element - S(%) - Not recorded
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
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