

Project Name: WQA
Project Code: WQA **Site ID:** B640 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/09/69	Elevation:	280 metres
Map Ref.:	Sheet No. : 8044 1:100000	Rainfall:	360
Northing/Long.:	145.738888888889	Runoff:	No Data
Easting/Lat.:	-26.669444444445	Drainage:	No Data

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qs	Substrate Material:	Auger boring, 1.8 m deep, Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Subnatric Red Sodosol		Principal Profile Form:	Dr2.43
ASC Confidence:		Great Soil Group:	Solodic soil
All necessary analytical data are available.			

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

Vegetation:

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus populnea, Eremophila mitchellii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Yellowish red (5YR4/6-Moist); ; Clay loam; Massive grade of structure; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Clear change to -
A2	0.1 - 0.2 m	Reddish brown (5YR5/4-Moist); Pink (5YR7/4-Dry); ; Clay loam; Massive grade of structure; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Abrupt change to -
B2	0.2 - 0.3 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; Dry; Strong consistence; Gradual change to -
B2	0.3 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; Dry; Strong consistence; Gradual change to -
B2	0.6 - 0.7 m	Yellowish red (5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, Angular blocky; Dry; Strong consistence; Gradual change to -
B2	0.7 - 0.9 m	Yellowish red (5YR4/6-Moist); ; Light clay; Moderate grade of structure, Angular blocky; Dry; Strong consistence; Gradual change to -
B3	0.9 - 1.2 m	Yellowish red (5YR5/6-Moist); ; Light clay (Light); Weak grade of structure, Angular blocky; Dry; Very firm consistence; 0-2%, Substrate material, coarse fragments; Diffuse change to -
B3	1.2 - 1.5 m	Reddish yellow (5YR6/6-Moist); ; Light clay (Light); Weak grade of structure, Angular blocky; Dry; Very firm consistence; Diffuse change to -
B3	1.5 - 1.8 m	Reddish yellow (5YR6/6-Moist); ; 10YR63, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Light clay (Light); Weak grade of structure, Angular blocky; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse change to -
C	1.8 - 2 m	Light grey (10YR7/2-Moist); ; 10YR64, 20-50% , 0-5mm, Distinct; , 5YR66, 20-50% , 0-5mm, Distinct; Light medium clay; Massive grade of structure; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Substrate material, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

Project Name: WQA
Project Code: WQA **Site ID:** B640 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

WEANER CREEK

Project Name: WQA
Project Code: WQA Site ID: B640 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Ca	Exchangeable Mg	Cations K	Exchangeable Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	5.9H	0.013B	4.3K	1.8	1.1	0.17	3.9D			
0.1 - 0.2	6.2H	0.01B								
0.2 - 0.3	6H	0.015B	5.4K	2.8	0.28	1.2	5.3D			
0.3 - 0.6	6.9H	0.018B								
0.6 - 0.7	8H	0.051B								
0.7 - 0.9	8H	0.064B								
0.9 - 1.2	8.2H	0.06B	12.2K	6.9	0.72	3.9	0D			
1.2 - 1.5	8.2H	0.045B								
1.5 - 1.8	8.3H	0.038B								
1.8 - 2	8.7H	0.059B								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		0.46A	9B	0.029F	0.049B	0.48B			11C	43	16	30
0.1 - 0.2		0.3A			0.047B				11C	42	14	32
0.2 - 0.3		0.22A		0.026F	0.036B	0.5B			10C	37	13	40
0.3 - 0.6												
0.6 - 0.7	0.08C								8C	33	13	46
0.7 - 0.9	0.04C											
0.9 - 1.2	0.03C	0.05A		0.018F	0.024B	0.51B			9C	38	27	24
1.2 - 1.5	0.04C											
1.5 - 1.8	0.03C											
1.8 - 2	0.07C			0.013F		0.39B			13C	33	22	31

[illegible]

Project Name: WQA
Project Code: WQA **Site ID:** B640 **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
19B_NR	Calcium Carbonate (CaCO3) - 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