

Project Name: WQA
Project Code: WQA **Site ID:** B585 **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. : 6650 1:100000	Rainfall:	203
Northing/Long.:	138.825	Runoff:	Slow
Easting/Lat.:	-23.8583333333333	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Klw2	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	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):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Calcic Red Chromosol		Principal Profile Form:	Dr2.13
ASC Confidence:		Great Soil Group:	Desert loam

All necessary analytical data are available.

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

Vegetation:

Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - Acacia cambagei, Acacia species

Surface Coarse Fragments: 0-2%, , ,

Profile Morphology

A1	0 - 0.1 m	Red (2.5YR4/6-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Very weak consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), , Fine (0 - 2 mm), Nodules; Gradual change to -
A1	0.1 - 0.17 m	Light red (2.5YR6/6-Dry); ; Fine sandy loam; Massive grade of structure; Dry; Very weak consistence; Abrupt change to -
B2	0.17 - 0.2 m	Red (2.5YR4/6-Dry); ; Light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence;
B2	0.2 - 0.3 m	Red (2.5YR4/6-Dry); ; Light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence;
B2	0.3 - 0.48 m	Red (2.5YR4/6-Dry); ; Light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Gradual change to -
B2	0.48 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Fine sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence;
B2	0.6 - 0.9 m	Yellowish red (5YR5/6-Moist); ; Fine sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm),
B2	0.9 - 1.2 m	Very pale brown (10YR7/4-Dry); ; Fine sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Nodules;
B3	1.2 - 1.5 m	Very pale brown (10YR8/4-Dry); ; Clay loam; Weak grade of structure, Angular blocky; Dry; Weak consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Nodules;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.1	6.8H	0.009B	3.2K	2.3	0.71	0.17	2D		
0.1 - 0.17	7H	0.013B							
0.17 - 0.2	7.2H	0.017B							
0.2 - 0.3	7.6H	0.011B	6.3K	4	1.3	0.63	6.1D		
0.3 - 0.48	8.1H	0.023B							
0.48 - 0.6	8.2H	0.12B							
0.6 - 0.9	8.4H	0.39B							
0.9 - 1.2	8.4H	0.49B	14K	5.2	1.5	2.5	2.5D		
1.2 - 1.5	8.4H	0.44B							

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									17C	63	2	18
0.1 - 0.17									17C	65	4	15
0.17 - 0.2									12C	46	4	38
0.2 - 0.3	0.1C								13C	47	2	37
0.3 - 0.48	0.1C								12C	51	4	32
0.48 - 0.6	0.1C								12C	50	3	32
0.6 - 0.9	5.13C								9C	46	2	34
0.9 - 1.2	15.2C								7C	36	4	35
1.2 - 1.5	22.3C								22C	30	11	12

[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
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - 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_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction