

Project Name: WQA
Project Code: WQA **Site ID:** B594 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/09/69	Elevation:	98 metres
Map Ref.:	Sheet No. : 6749 1:100000	Rainfall:	203
Northing/Long.:	139.466666666667	Runoff:	No runoff
Easting/Lat.:	-24.35	Drainage:	Rapidly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czs	Substrate Material:	Auger boring, Sand

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Dunefield
Morph. Type:	Simple-slope	Relief:	15 metres
Elem. Type:	Dune	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Yellow Chromosol		Principal Profile Form:	Dy4.13
ASC Confidence:		Great Soil Group:	Solodic soil
No analytical data are available but confidence is fair.			

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

Vegetation:

Tall Strata - Shrub, 0.51-1m, Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Reddish brown (5YR4/4-Moist); Reddish yellow (5YR6/5-Dry); ; Clayey sand; Massive grade of structure; Dry; Very weak consistence; Field pH 7.6 (pH meter);
A2	0.1 - 0.2 m	Yellowish red (5YR5/6-Moist); Reddish yellow (5YR6/6-Dry); ; Clayey sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 7.4 (pH meter);
A2	0.2 - 0.3 m	Yellowish red (5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 7.4 (pH meter);
A2	0.3 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 7.5 (pH meter);
A2	0.6 - 0.9 m	Yellowish red (5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 7.6 (pH meter);
A2	0.9 - 1.2 m	Yellowish red (5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 7.7 (pH meter);
A2	1.2 - 1.35 m	Yellowish red (5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 7.8 (pH meter);
A3	1.35 - 1.5 m	Light brown (7.5YR6/4-Moist); Reddish yellow (7.5YR6/5-Dry); ; Clayey fine sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 7.9 (pH meter);
A3	1.5 - 1.6 m	Light brown (7.5YR6/4-Moist); Reddish yellow (7.5YR6/5-Dry); ; Clayey fine sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 8 (pH meter);
B2	1.6 - 1.8 m	Light yellowish brown (10YR6/4-Moist); Brownish yellow (10YR6/5-Dry); ; Sandy medium clay; Moderate grade of structure, Angular blocky; Moderately moist; Weak consistence; Field pH 8.1 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BEDOURIE

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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 Cmol (+)/kg	Acidity		%
0 - 0.1	7.6H	0.01B							
0.1 - 0.2	7.4H	0.01B							
0.2 - 0.3	7.4H	0.01B							
0.3 - 0.6	7.5H	0.01B							
0.6 - 0.9	7.6H	0.01B							
0.9 - 1.2	7.7H	0.01B							
1.2 - 1.35	7.8H	0.01B							
1.35 - 1.5	7.9H	0.01B							
1.5 - 1.6	8H	0.01B							
1.6 - 1.8	8.1H	0.02B	6.3K	4.3	0.38		0.02D		

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		0.06E	20B	0.009F	0.005B	0.6B			49C	45	2	4
0.1 - 0.2												
0.2 - 0.3												
0.3 - 0.6		0.03E										
0.6 - 0.9												
0.9 - 1.2		0.02E	4B	0.023F	0.008B	0.78B			49C	47	1	4
1.2 - 1.35	0.11C											
1.35 - 1.5	0.06C											
1.5 - 1.6	0.01C											
1.6 - 1.8	0.02C	0.02E	2B	0.011F	0.014B	0.7B			49C	33	3	21

[illegible]

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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
17A_NR	Total element - K(%) - Not recorded
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
2_LOI	Loss on Ignition (%)
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6Z	Organic carbon (%) - Not recorded
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