

Project Name: WQA
Project Code: WQA **Site ID:** B591 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/09/69	Elevation:	90 metres
Map Ref.:	Sheet No. : 6749 1:100000	Rainfall:	203
Northing/Long.:	139.2	Runoff:	Rapid
Easting/Lat.:	-24.15	Drainage:	Rapidly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cza	Substrate Material:	Auger boring, 1 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Pediment
Morph. Type:	No Data	Relief:	20 metres
Elem. Type:	Pediment	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 Pedaric Red Sodosol		Principal Profile Form:	Dr2.32
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:

Surface Coarse Fragments: 90-100%, medium gravelly, 6-20mm, rounded, Gravel

Profile Morphology

A1	0 - 0.03 m	Reddish brown (5YR5/4-Moist); ; Sandy loam; Massive grade of structure; Dry; Weak consistence; 20-50%, Substrate material, coarse fragments; Sharp change to -
B21	0.03 - 0.1 m	Red (2.5YR4/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Polyhedral; Dry; Firm consistence; 2-10%, Substrate material, coarse fragments; Gradual change to -
B22	0.1 - 0.2 m	Red (2.5YR5/6-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; Dry; Firm consistence; 0-2%, Substrate material, coarse fragments; Gradual change to -
B23	0.2 - 0.3 m	Red (2.5YR5/6-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; Dry; Firm consistence; 0-2%, Substrate material, coarse fragments; Gradual change to -
B3	0.3 - 0.6 m	Reddish yellow (5YR6/6-Moist); ; Clay loam (Heavy); Weak grade of structure, Polyhedral; Dry; Firm consistence; 10-20%, Substrate material, coarse fragments;

Morphological Notes

Observation Notes

NO VEGETATION OCCURS AT SITE:SPOTTY BLEACH AT BASE OF A1; LARGE STONES AT 60CM NOT PENETRABLE BY AUGER.

Site Notes

SANDRINGHAM

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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 - 0.03	6.6H	0.069B	6.8K	1.9	0.38	0.49	0D		
0.03 - 0.1	5.9H	0.54B	6.5K	5.7	0.72	3.4	4.2D		
0.1 - 0.2	6.3H	1.4B							
0.2 - 0.3	6.4H	1.7B	11.3K	11.7	0.91	7.4	0D		
0.3 - 0.6	6.5H	3B	10.6K	11.7	0.85	7.2	0.22D		

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 - 0.03		0.08E	32B	0.041F	0.013B	0.5B		3	33C	51	10	7
0.03 - 0.1		0.08E	33B	0.043F	0.025B	0.72B		7	24C	42	16	18
0.1 - 0.2		0.02E		0.04F	0.01B	1.1B		10	45C	40	8	4
0.2 - 0.3		0.04E	22B	0.035F	0.016B	0.92B		10	12C	38	23	22
0.3 - 0.6		0.05E		0.029F	0.013B	0.73B		30	18C	37	13	28

[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
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
17A_NR	Total element - K(%) - 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
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_GRAV	Gravel (%)
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