

**Project Name:** WQA  
**Project Code:** WQA      **Site ID:** B599      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	01/09/69	<b>Elevation:</b>	91 metres
<b>Map Ref.:</b>	Sheet No. : 6849 1:100000	<b>Rainfall:</b>	203
<b>Northing/Long.:</b>	139.81111111111111	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-24.4666666666667	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Kw	<b>Substrate Material:</b>	Auger boring, 1 m deep, No Data

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Loose

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Eutrophic Pedaric Red Sodosol	<b>Principal Profile Form:</b>	Dr4.33
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Desert loam

All necessary analytical data are available.

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

**Vegetation:**

**Surface Coarse Fragments:** 20-50%, coarse gravelly, 20-60mm, , Substrate material

**Profile Morphology**

A1	0 - 0.08 m	Red (2.5YR5/6-Moist); Light red (2.5YR6/6-Dry); ; Loamy fine sand; Massive grade of structure; Dry; Very weak consistence; 10-20%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; Abrupt change to -
B2	0.08 - 0.1 m	Red (10R4/6-Dry); ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Firm consistence; 0-2%, Substrate material, coarse fragments;
B2	0.1 - 0.2 m	Red (2.5YR4/6-Dry); ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Firm consistence;
B2	0.2 - 0.3 m	Red (2.5YR4/6-Dry); ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Firm consistence;
B2	0.3 - 0.6 m	Red (2.5YR4/6-Moist); Red (2.5YR5/6-Dry); ; Light medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Firm consistence; Gradual change to -
B3	0.6 - 0.9 m	Light red (2.5YR6/6-Dry); ; Light clay; Weak grade of structure, Polyhedral; Dry; Weak consistence;
B3	0.9 - 1.05 m	Red (2.5YR5/8-Moist); Light red (2.5YR6/8-Dry); ; Fine sandy medium clay; Weak grade of structure, Polyhedral; Dry; Weak consistence; 2-10%, Substrate material, coarse fragments;
B3	1.05 - 1.15 m	Red (2.5YR5/8-Moist); Light red (2.5YR6/8-Dry); ; Fine sandy medium clay; Weak grade of structure, Polyhedral; Dry; Weak consistence; 20-50%, Substrate material, coarse fragments;

**Morphological Notes**

**Observation Notes**

OCCASIONAL SMALL TUFT OF GRASS AND HERBS (15CM TALL); FEW (200MM) SURFACE STONES:A1 SEEMS TO HAVE STRONG AEOLIAN SAND COMPONENT - NOT WEATHERED FROM ALTERED (MOTTLED) ROCK BELOW SOLUM:

**Site Notes**

BEDKIRA BORE

**Observation ID: 1**

[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
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
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_Mm	Montmorillonite - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction