WQA **Project Name:** 

**Project Code:** WQA B624 Observation ID: 1 Site ID:

**CSIRO** Division of Soils (QLD) Agency Name:

Site Information

G.D. Hubble Locality:

Desc. By: Date Desc.: Elevation: 01/09/69 No Data Map Ref.: Sheet No.: 7447 1:100000 Rainfall: 278

Northing/Long.: 142.83055555556 Runoff: Moderately rapid Moderately well drained Easting/Lat.: -25.547222222222 Drainage:

Geology

ExposureType: Conf. Sub. is Parent. Mat.: Auger boring No Data

**Substrate Material:** Geol. Ref.: Auger boring, Unconsolidated material Qs

(unidentified)

**Land Form** 

No Data Rel/Slope Class: Gently undulating plains <9m 1- Pattern Type:

Morph. Type: No Data Relief: No Data No Data Slope Category: Elem. Type: No Data Slope: 0 % Aspect: No Data

Surface Soil Condition (dry): Hardsetting

**Erosion:** 

**Soil Classification** 

**Australian Soil Classification:** N/A Mapping Unit: Gn2.13 Haplic Eutrophic Red Kandosol Principal Profile Form: **ASC Confidence: Great Soil Group:** Red earth

No analytical data are available but confidence is fair.

**<u>Site Disturbance:</u>** No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, , Sparse. \*Species includes - Aristida species

Tall Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Acacia aneura, Eucalyptus polycarpa

Surface Coarse Fragments: No surface coarse fragments

## **Profile Morphology**

A1	0 - 0.1 m	Dark red (2.5YR3/6-Moist); Red (2.5YR5/6-Dry); ; Loamy sand; Massive grade of structure; Few (<1 per 0.01m2) Coarse (>5mm) macropores, Dry; Weak consistence;
	0.1 - 0.2 m	Dark red (2.5YR3/6-Moist); Red (2.5YR4/6-Dry); ; Loamy sand (Heavy); Massive grade of structure; Few (<1 per 0.01m2) Coarse (>5mm) macropores, Weak consistence;
	0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Loamy sand (Heavy); Massive grade of structure; Earthy fabric; Weak consistence;
	0.3 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;
	0.6 - 0.75 m	Dark red (2.5YR3/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Weak consistence;
	0.75 - 0.9 m	Red (10R4/6-Dry); ; Sandy medium clay (Light); Massive grade of structure; Earthy fabric; Weak consistence;
	0.9 - 1.2 m	Red (10R4/6-Dry); ; Sandy medium clay; Massive grade of structure; Earthy fabric; Firm consistence;
	1.2 - 1.35 m	Red (10R4/6-Dry); ; Sandy medium clay; Massive grade of structure; Earthy fabric; Firm consistence;
	1.35 - 1.5 m	Red (2.5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Firm consistence;
	1.5 - 1.8 m	Red (2.5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Firm consistence;
	1.8 - 2 m	Red (10R4/6-Dry); , 10YR72, 20-50% , 0-5mm, Prominent; , 20-50% , 0-5mm, Prominent; Sandy clay loam; Massive grade of structure; Firm consistence; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments;

## **Morphological Notes**

## **Observation Notes**

Project Name: Project Code: Agency Name:

WQA
WQA Site ID: B62
CSIRO Division of Soils (QLD) B624 Observation ID: 1

Site Notes MOOTHANDELLA Project Name: Project Code: Agency Name: WQA

WQA Site ID: B62 CSIRO Division of Soils (QLD) B624 Observation ID: 1

Laboratory		suits.										
Depth	pН	1:5 EC		hangeable			hangeable	CEC	ı	ECEC		ESP
m		dS/m	Ca I	Mg		la Cmol (+)/kg	Acidity J					%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.6 0.6 - 0.75 0.75 - 0.9 0.9 - 1.2 1.2 - 1.35 1.35 - 1.5 1.5 - 1.8 1.8 - 2	6.2H 6.2H 6.1H 5.8H 6.2H 6.7H 7.3H 7.9H 8.2H 8.6H 8.7H	0.02B 0.01B 0.01B 0.01B 0.01B 0.02B 0.02B 0.02B 0.02B 0.02B										
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle CS	FS		s Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1 0.1 - 0.2 0.2 - 0.3		0.41A 0.19A 0.18A	7B	0.015F	0.045E 0.013E 0.013E	3			55C	30	4	9
0.3 - 0.6 0.6 - 0.75 0.75 - 0.9		0.11A		0.015F	0.013E	B 0.35B			42C	38	3	15
0.9 - 1.2 1.2 - 1.35	0C	0.08A		0.017F		0.49B			33C	33	4	32
1.35 - 1.5 1.5 - 1.8	0.02C 0C			0.014F		0.62B						
1.8 - 2	0C	0.04A			0.0088	3			30C	35	9	24
Depth	COLE		Gravimetric/Volumetric Water Contents					K sat K uns		ıt		
•		Sat.	0.05 Bar	0.1 Bar		1 Bar	5 Bar 15	Bar				
m				g/g	- m3/m3				mm/	h	mm/h	
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.6 0.6 - 0.75 0.75 - 0.9 0.9 - 1.2 1.2 - 1.35 1.35 - 1.5 1.5 - 1.8 1.8 - 2												

Project Name: WQA

Project Code: WQA Site ID: B624 Observation ID: 1

Agency Name: CSIRO Division of Soils (QLD)

## **Laboratory Analyses Completed for this profile**

10A\_NR Total element - S(%) - 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 recordede

6A1 Organic carbon - Walkley and Black
7\_NR Total nitrogen (%) - Not recorded
9A\_NR Total element - P(%) - Not recorded

9A\_NR Total element - P(%) - Not recorded
9G\_BSES Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)

P10\_NR\_C
P10\_NR\_CS
Clay (%) - Not recorded
Coarse sand (%) - Not recorded
P10\_NR\_FS
P10\_NR\_Z
Fine sand (%) - Not recorded
Silt (%) - Not recorded