

Project Name: WQA
Project Code: WQA **Site ID:** B625 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/09/69	Elevation:	146 metres
Map Ref.:	Sheet No. : 7547 1:100000	Rainfall:	293
Northing/Long.:	143.063888888889	Runoff:	No Data
Easting/Lat.:	-25.641666666667	Drainage:	No Data

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Tg	Substrate Material:	Auger boring, 1.2 m deep,Mudstone

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Kandosol		Principal Profile Form:	Gn2.12
ASC Confidence:		Great Soil Group:	Red earth
All necessary analytical data are available.			

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

Vegetation:

Tall Strata - Tree, 3.01-6m, Isolated clumps. *Species includes - Acacia aneura, Grevillea striata

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, rounded, Gravel

Profile Morphology

A1	0 - 0.1 m	Yellowish red (5YR5/5-Moist); Reddish yellow (5YR6/5-Dry); ; Loam (Heavy); Massive grade of structure; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Gradual change to -
	0.1 - 0.2 m	Yellowish red (5YR4/6-Moist); Reddish yellow (5YR6/6-Dry); ; Clay loam; Massive grade of structure; Weak consistence; 2-10%, fine gravelly, 2-6mm, Substrate material, coarse
	0.2 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Clay loam; Massive grade of structure; Weak consistence; 2-10%, fine gravelly, 2-6mm, Substrate material, coarse fragments;
	0.3 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Clay loam (Heavy); Massive grade of structure; Weak consistence; 10-20%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Gradual change to -
	0.5 - 0.6 m	Red (2.5YR4/5-Moist); Red (2.5YR5/5-Dry); ; Light clay; Weak grade of structure, Polyhedral; Firm consistence; 10-20%, medium gravelly, 6-20mm, Substrate material, coarse fragments;
	0.6 - 0.8 m	Red (2.5YR4/5-Moist); ; Light clay; Weak grade of structure, Polyhedral; Firm consistence; 2-10%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Gradual change to -
	0.8 - 0.9 m	Red (2.5YR4/5-Moist); , 10YR62, 0-2% , 0-5mm, Faint; , 0-2% , 0-5mm, Faint; Light clay (Heavy); Weak grade of structure, Polyhedral; Firm consistence; 2-10%, Substrate material, coarse fragments;
B3	0.9 - 0.97 m	Reddish yellow (5YR6/6-Dry); , 10YR73, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Light medium clay; Weak grade of structure, Polyhedral; Dry; Firm consistence; 2-10%, Mudstone, coarse fragments;
B3	0.97 - 1.2 m	Reddish yellow (5YR6/6-Dry); , 10YR72, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Light medium clay; Weak grade of structure, Polyhedral; Dry; Firm consistence; 20-50%, Mudstone, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

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HAMPOON BORE

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[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 (CaCO ₃) - 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 recorded
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H ₂ SO ₄ (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