

Project Name: WQA
Project Code: WQA **Site ID:** B619 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/09/69	Elevation:	140 metres
Map Ref.:	Sheet No. : 7347 1:1000	Rainfall:	278
Northing/Long.:	142.022222222222	Runoff:	Moderately rapid
Easting/Lat.:	-25.3611111111111	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion: Very severe (wind);

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Dystrophic Red Kandosol		Principal Profile Form:	Gn2.11
ASC Confidence:		Great Soil Group:	Red earth

No analytical data are available but confidence is fair.

Site Disturbance:

Vegetation: Low Strata - Tussock grass, , . *Species includes - Aristida species
Tall Strata - Shrub, 3.01-6m, Very sparse. *Species includes - Acacia aneura, Hakea species, Acacia species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Light red (2.5YR6/6-Dry); ; Sandy loam; Weak grade of structure, Platy; Massive grade of structure; Dry; Weak consistence; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Nodules; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B2	0.1 - 0.2 m	Red (2.5YR4/6-Moist); Red (2.5YR5/6-Dry); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; Field pH 5.3 (pH meter); Gradual change to -
B2	0.2 - 0.3 m	Red (2.5YR4/6-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; Field pH 5.2 (pH meter); Gradual change to -
B2	0.3 - 0.6 m	Red (2.5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Field pH 5.1 (pH meter); Gradual change to -
B2	0.6 - 0.9 m	Red (2.5YR4/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; Field pH 5.1 (pH meter); Gradual change to -
	0.9 - 1.2 m	Red (2.5YR4/8-Moist); Red (2.5YR5/8-Dry); ; Sandy clay loam (Light); Massive grade of structure; Weak consistence; Field pH 5.2 (pH meter); Gradual change to -
	1.2 - 1.35 m	Red (2.5YR4/8-Moist); Yellowish red (5YR5/8-Dry); ; Sandy clay loam (Heavy); Massive grade of structure; Weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 5.2 (pH meter); Gradual change to -
	1.35 - 1.5 m	Light red (2.5YR6/6-Moist); , 10YR76, 20-50% , 5-15mm, Distinct; , 10YR82, 20-50% , 5-15mm, Distinct; Sandy clay loam; Massive grade of structure; Weak consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5.3 (pH meter); Diffuse change to -
	1.5 - 1.8 m	Light red (2.5YR6/6-Moist); , 10YR76, 20-50% , 5-15mm, Distinct; , 10YR82, 20-50% , 5-15mm, Distinct; Sandy clay loam; Massive grade of structure; Weak consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5.8 (pH meter);

Morphological Notes

Observation Notes

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CANT'BURY BORE

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[illegible]

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Laboratory Analyses Completed for this profile

10A_NR	Total element - S(%) - Not recorded
17A_NR	Total element - K(%) - 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 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