

Project Name: WQA
Project Code: WQA **Site ID:** B604 **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. : 6948 1:100000	Rainfall:	221
Northing/Long.:	140.341666666667	Runoff:	Very rapid
Easting/Lat.:	-24.6875	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Kw	Substrate Material:	Auger boring, No Data

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Pediment
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached Eutrophic Red Chromosol		Principal Profile Form:	Dr2.43
ASC Confidence:		Great Soil Group:	Desert loam

No analytical data are available but confidence is fair.

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

Vegetation:

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, , Gravel

Profile Morphology

A1	0 - 0.1 m	Reddish yellow (5YR6/6-Dry); ; Fine sandy loam; Massive grade of structure; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.7 (pH meter); Clear change to -
A2	0.1 - 0.14 m	Pink (5YR7/4-Dry); ; Fine sandy loam; Massive grade of structure; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 7.1 (pH meter); Sharp change to -
B2	0.14 - 0.2 m	Red (2.5YR4/6-Moist); Red (2.5YR5/6-Dry); ; Light medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, coarse fragments; Field pH 7.1 (pH meter); Gradual change to -
B2	0.2 - 0.3 m	Red (2.5YR4/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Polyhedral; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, coarse fragments; Field pH 7.6 (pH meter); Gradual change to -
B2	0.3 - 0.4 m	Yellowish red (5YR5/6-Moist); ; Light clay; , Polyhedral; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, coarse fragments; Field pH 8 (pH meter); Gradual change to -
	0.4 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Sandy loam; Weak consistence; 10-20%, medium gravelly, 6-20mm, coarse fragments; Field pH 8.3 (pH meter); Gradual change to -
	0.6 - 0.9 m	Red (2.5YR5/6-Moist); ; Sandy loam; Weak consistence; 20-50%, medium gravelly, 6-20mm, coarse fragments; Field pH 7.2 (pH meter); Gradual change to -
	0.9 - 1.2 m	Red (2.5YR5/6-Moist); ; Sandy loam; Weak consistence; 20-50%, coarse fragments; Field pH 6.8 (pH meter); Gradual change to -
	1.2 - 1.3 m	Red (2.5YR5/6-Moist); ; Sandy loam; Weak consistence; 20-50%, coarse fragments; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

NO VEGETATION AT SITE.

Site Notes

MONKIRA

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Laboratory Analyses Completed for this profile

10A_NR	Total element - S(%) - Not recorded
17A_NR	Total element - K(%) - Not recorded
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
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