

Project Name: WQR
Project Code: WQR **Site ID:** B130 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	24/07/51	Elevation:	70 metres
Map Ref.:	Sheet No. : 6859 1:100000	Rainfall:	510
Northing/Long.:	139.970833333333	Runoff:	Moderately rapid
Easting/Lat.:	-19.229166666667	Drainage:	Rapidly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 2 m deep, Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Bank	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion: Minor or present (wind);

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: Low Strata - Tussock grass, , . *Species includes - Dactyloctenium radulans, Aristida leptopoda
Tall Strata - Tree, , Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.15 m	Brown (7.5YR5/4-Moist); ; Silty loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; Field pH 6.8 (pH meter); Gradual change to -
A12	0.15 - 0.3 m	Brown (7.5YR5/4-Moist); ; Silty loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; Field pH 7.4 (pH meter); Gradual change to -
B2	0.3 - 0.76 m	Reddish brown (5YR4/4-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; Field pH 7.3 (pH meter); Gradual change to -
B2	0.76 - 1.17 m	Dark reddish brown (5YR3/4-Moist); ; Silty medium clay; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; Field pH 7.6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

KAMILEROI

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0 - 0.15	6.9H	0.01B	6K	2.5	0.49	0.09	2.02D		11.1E	
0.15 - 0.3	7.4H	0.02B								
0.3 - 0.76	7.4H	0.01B	6.4K	4.7	0.26	0.16	1.71D		13.2E	
0.76 - 1.17	7.6H	0.02B								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15		0.43E	67C	0.044F	0.033B			0	3C	56	23	17
0.15 - 0.3								0	2C	53	23	22
0.3 - 0.76								0	2C	47	25	25
0.76 - 1.17				0.047F				0	3C	35	25	36

[illegible]

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Laboratory Analyses Completed for this profile

15_NR	Sum of Ex. cations + Ex. acidity - 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
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
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
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