

**Project Name:** WQA  
**Project Code:** WQA      **Site ID:** B628      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	01/09/69	<b>Elevation:</b>	168 metres
<b>Map Ref.:</b>	Sheet No. : 7545    1:100000	<b>Rainfall:</b>	301
<b>Northing/Long.:</b>	143.425	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-26.0888888888889	<b>Drainage:</b>	Moderately well drained

**Geology**

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

**Land Form**

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

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Kandosol		<b>Principal Profile Form:</b>	Gn2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red earth

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Tussock grass, , . \*Species includes - Aristida species  
Tall Strata - Tree, 3.01-6m, Closed or dense. \*Species includes - Acacia aneura, Eucalyptus species

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.1 m	Reddish brown (5YR4/4-Moist); ; Clay loam; Massive grade of structure; Dry; Weak consistence; Gradual change to -
B2	0.1 - 0.2 m	Red (2.5YR4/6-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), ; Gradual change to -
B2	0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Light clay (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), ; Gradual change to -
B2	0.3 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Light clay (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; Gradual change to -
B2	0.6 - 0.9 m	Dark red (2.5YR3/6-Moist); ; Light clay (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; Gradual change to -
B2	0.9 - 1 m	Dark red (2.5YR3/6-Moist); ; Light clay; Massive grade of structure; Dry; Firm consistence; 0-2%, coarse gravelly, 20-60mm, Gravel, coarse fragments;

**Morphological Notes**

**Observation Notes**

**Site Notes**

KYABRA CREEK

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca Mg K	Na Acidity (+)/kg			%
0 - 0.1	5.7H	<0.01B					
0.1 - 0.2	6.2H	<0.01B					
0.2 - 0.3	6.3H	<0.01B					
0.3 - 0.6	6.5H	0.01B					
0.6 - 0.9	6.6H	0.02B					
0.9 - 1	6.8H	0.01B					

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 - 0.1		0.29A	14B	0.039F	0.03B	0.47B			14C	51	11	23
0.1 - 0.2												
0.2 - 0.3												
0.3 - 0.6				0.029F		0.55B			8C	47	8	38
0.6 - 0.9												
0.9 - 1				0.03F		0.6B			7C	37	6	51

[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