

Project Name: WQR
Project Code: WQR **Site ID:** B168 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/07/51	Elevation:	91 metres
Map Ref.:	Sheet No. : 6859 1:100000	Rainfall:	508
Northing/Long.:	139.75	Runoff:	Slow
Easting/Lat.:	-19.3833333333333	Drainage:	Poorly drained

Geology

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

Land Form

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

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous-Endohypersodic Self-Mulching Grey Vertosol		Principal Profile Form:	Ug5.28
ASC Confidence:		Great Soil Group:	Grey clay

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 - Dichanthium sericeum
Tall Strata - Tree, , Sparse. *Species includes - Acacia cambagei

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.15 m	Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Moderate grade of structure, 2-5 mm, Granular; Dry; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter); Gradual change to -
B2	0.15 - 0.3 m	Greyish brown (2.5Y5/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; , Angular blocky; Dry; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.2 (pH meter); Gradual change to -
B2	0.3 - 0.76 m	Dark greyish brown (2.5Y4/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; , Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter); Gradual change to -
B2	0.76 - 1.07 m	Dark greyish brown (2.5Y4/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; , Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 8.7 (pH meter); Gradual change to
B3	1.07 - 1.17 m	Reddish brown (5YR5/4-Moist); ; Light medium clay; Weak grade of structure, Lenticular; , Angular blocky; Moist; Very weak consistence; Few (2 - 10 %), Gypseous, , Crystals; Field pH 8.1 (pH meter);

Morphological Notes

Observation Notes

0-15CM GRANULAR GRADING TO BLOCKY STRUCTURE

Site Notes

KAMILEROI

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded