

Project Name: WQR
Project Code: WQR **Site ID:** B144 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	23/08/51	Elevation:	189 metres
Map Ref.:	Sheet No. : 7255 1:100000	Rainfall:	400
Northing/Long.:	141.566666666667	Runoff:	Slow
Easting/Lat.:	-21.402777777778	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1 m deep,Porous, Mudstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Peneplain
Morph. Type:	Upper-slope	Relief:	15 metres
Elem. Type:	Hillslope	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 Brown Vertosol	Principal Profile Form:	Ug5.22

ASC Confidence:

All necessary analytical data are available.

Great Soil Group:

Brown clay

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

Vegetation:

Tall Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - *Astrebla* species

Surface Coarse Fragments: 0-2%, , , Mudstone

Profile Morphology

AB	0 - 0.1 m	Yellowish brown (10YR5/4-Moist); ; Medium heavy clay; Strong grade of structure, Granular; Dry; Firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, coarse fragments; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8 (pH meter); Clear change to -
B2	0.1 - 0.46 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Strong grade of structure, 50-100 mm, Angular blocky; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, coarse fragments; Very few (0 - 2 %), Calcareous, , Nodules; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 7.4 (pH meter); Gradual change to
B2	0.46 - 0.86 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, coarse fragments; Very few (0 - 2 %), Calcareous, , Nodules; Few (2 - 10 %), Gypseous, , Crystals; Field pH 7.7 (pH meter); Gradual change to -
B3	0.91 - 1.17 m	Grey (2.5Y5/1-Moist); , 10YR68; Heavy clay; Massive grade of structure; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, , Nodules; Few (2 - 10 %), Gypseous, , Crystals; Field pH 7.8 (pH meter);

Morphological Notes

Observation Notes

0-10CM GRANULAR GRADING TO BLOCKY STRUCTURE

Site Notes

MCKINLAY

Observation ID: 1

[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
19B_NR	Calcium Carbonate (CaCO ₃) - 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