

Project Name: WQR
Project Code: WQR **Site ID:** B129 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	24/06/51	Elevation:	183 metres
Map Ref.:	Sheet No. : 7550 1:100000	Rainfall:	380
Northing/Long.:	143.5	Runoff:	Slow
Easting/Lat.:	-23.95	Drainage:	Poorly drained

Geology

Exposure Type:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 2 m deep, Porous, Sandstone

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Peneplain
Morph. Type:	No Data	Relief:	No Data
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 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, , Closed or dense. *Species includes - *Astrebla* species

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, , Sandstone

Profile Morphology

AB	0 - 0.13 m	Light yellowish brown (10YR6/4-Moist); ; Medium heavy clay; Strong grade of structure, Granular; Dry; Strong consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Sandstone, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 7.7 (pH meter); Gradual change to -
B2	0.15 - 0.46 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Moderately moist; Strong consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Sandstone, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 7.5 (pH meter); Gradual change to -
B2	0.46 - 0.91 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Moderately moist; Strong consistence; Very few (0 - 2 %), Gypseous, Medium (2 -6 mm), Crystals; Field pH 7.4 (pH meter); Gradual change to -
B2	0.91 - 1.22 m	Light yellowish brown (10YR6/4-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Strong consistence; Few (2 - 10 %), Gypseous, Medium (2 -6 mm), Crystals; Field pH 7.5 (pH meter);

Morphological Notes

Observation Notes

0-13CM GRANULAR GRADING TO BLOCKY STRUCTURE:GYPSUM CRYSTALS ON SURFACE

Site Notes

LONGREACH

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[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