

Project Name: WQR
Project Code: WQR **Site ID:** B133 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/07/51	Elevation:	113 metres
Map Ref.:	Sheet No. : 6958 1:100000	Rainfall:	610
Northing/Long.:	140.4	Runoff:	Slow
Easting/Lat.:	-19.8833333333333	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.3 m deep,Porous, Shale

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Peneplain
Morph. Type:	No Data	Relief:	15 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:	Ug5.22
ASC Confidence:	Great Soil Group:	Grey clay

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, , Closed or dense. *Species includes - *Astrebla* species
Mid Strata - Shrub, , . *Species includes - None recorded
Tall Strata - Tree, , Isolated plants. *Species includes - *Acacia cambagei*, *Atalaya hemiglaucula*, *Bassia* species

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subrounded, Quartz

Profile Morphology

AB	0 - 0.15 m	Greyish brown (10YR5/2-Moist); ; Clay loam (Heavy); Strong grade of structure, Granular; Very coarse, (20 - 50) mm crack; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter); Gradual change to -
B2	0.15 - 0.56 m	Dark grey (10YR4/1-Moist); ; Light clay; Moderate grade of structure, Angular blocky; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.1 (pH meter); Gradual change to -
B2	0.56 - 0.91 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, Lenticular; Moderately moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 9.1 (pH meter); Gradual change to -
B2	0.91 - 1.27 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Moderate grade of structure, Lenticular; Moderately moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.1 (pH meter); Gradual change to -
C	1.27 - 1.52 m	Light yellowish brown (10YR6/4-Moist); ; Clay loam (Heavy); Massive grade of structure; Moderately moist; Firm consistence; 10-20%, Shale, coarse fragments; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 8 (pH meter);

Morphological Notes

Observation Notes

0-15CM GRANULAR GRADING TO BLOCKY STRUCTURE

Site Notes

GRANADA

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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_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