Project Name: WQR
Project Code: WQR **Site ID:** B429 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: Edye, Les
Date Desc.: 26/08/53
Map Ref.: Sheet No. : 7046 1:100000
Northing/Long.: 140.783333333333
Easting/Lat.: -25.625
Locality:
Elevation: 79 metres
Rainfall: 203
Runoff: Slow
Drainage: Imperfectly drained

Geology

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

Land Form

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: Plain
Slope: 0 %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Self-Mulching Yellow Vertosol
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Ug5.24
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, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.05 m	Pale brown (10YR6/3-Dry); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Granular; Dry; Very weak consistence; Field pH 7 (pH meter); Abrupt change to -
B2	0.05 - 0.23 m	Light yellowish brown (10YR6/4-Dry); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; Field pH 7.4 (pH meter); Gradual change to -
B2	0.23 - 0.43 m	Light yellowish brown (10YR6/4-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.7 (pH meter); Gradual change to -
B2	0.43 - 0.79 m	Light yellowish brown (10YR6/4-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.5 (pH meter); Gradual change to -
B2	0.79 - 0.96 m	Light yellowish brown (10YR6/4-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; Moist; Firm consistence; Few (2 - 10 %), Gypseous, , Crystals; Field pH 6.4 (pH meter);

Morphological Notes

Observation Notes

WHITE CRYSTALLINE COATING EVIDENT DOWN CRACKS. 0-5CM GRANULAR GRADING TO BLOCKY STRUCTURE WITH THIN
FRAGILE SURFACE CRUST:DRY SOIL EXTENSIVELY CRACKED AT CLOSE SPACING:

Site Notes

BETOOTA

Project Name: WQR
Project Code: WQR **Site ID:** B429 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.05	7H	1.78B								
0.05 - 0.23	7.4H	0.28B								
0.23 - 0.43	6.7H	2.66B								
0.43 - 0.79	6.5H	3.77B								
0.79 - 0.96	6.4H	7.39B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05		0.35E	50C	0.029F	0.04B				7C	33	7	48
0.05 - 0.23												
0.23 - 0.43									6C	24	7	56
0.43 - 0.79												
0.79 - 0.96									7C	21	7	54

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m		g/g - m3/m3						mm/h	mm/h
0 - 0.05									
0.05 - 0.23									
0.23 - 0.43									
0.43 - 0.79									
0.79 - 0.96									

Project Name: **WQR**
Project Code: **WQR** **Site ID:** **B429** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (QLD)**

Laboratory Analyses Completed for this profile

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 recordede
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_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