Project Name: WQR

Project Code: WQR Site ID: B128 Observation ID: 1

Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.D. Hubble Locality: 32.6 miles from Windorah on Longreach road:near

Moyen

 Date Desc.:
 24/06/51
 Elevation:
 140 metres

 Map Ref.:
 Sheet No.: 7446
 1:100000
 Rainfall:
 300

 Northing/Long.:
 142.866666666667
 Runoff:
 Slow

Easting/Lat.: -25.1 Drainage: Imperfectly drained

Geology

ExposureType: Auger boring Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: Qa Substrate Material: Auger boring, 2 m deep,Porous,

Unconsolidated material (unidentified)

**Land Form** 

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

Surface Soil Condition (dry): Self-mulching

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AEndocalcareous-Endohypersodic Self-Mulching BrownPrincipal Profile Form:Ug5.24

Vertosol

ASC Confidence: Great Soil Group: Brown clay

No analytical data are available but confidence is fair.

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: No surface coarse fragments

**Profile Morphology** 

ΑB 0 - 0.08 m Brown (10YR5/3-Moist); ; Heavy clay; Strong grade of structure, Granular; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Field pH 7.8 (pH meter); Clear change to -B2 0.08 - 0.36 m Brown (10YR5/3-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Dry; Firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Field pH 6.9 (pH meter); Gradual change to -B2 Brown (7.5YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately 0.36 - 0.76 m moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Field pH 6.4 (pH meter); Gradual change to -B2 0.76 - 0.91 m Brown (7.5YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 6.6 (pH meter); Gradual change to -Reddish yellow (7.5YR6/6-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; B<sub>2</sub> 0.91 - 1.17 m

2 0.91 - 1.17 m Reddish yellow (7.5YR6/6-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Few (2 - 10 %),

Gypseous, , Crystals; Field pH 6.6 (pH meter);

## **Morphological Notes**

## **Observation Notes**

0-8CM GRANULAR GRADING TO BLOCKY STRUCTURE

**Site Notes** 

WINDORAH

Project Name: Project Code: Agency Name: WQR

WQR Site ID: B12 CSIRO Division of Soils (QLD) B128 Observation ID: 1

## **Laboratory Test Results:**

Laboratory	1631110	Jaulia.									
Depth	рН	1:5 EC		Exchangeable Mg		Na E	Exchangeable Acidity	CEC	EC	EC ESP	
m		dS/m		9	К	Cmol (+)				%	
0 - 0.08 0.08 - 0.36 0.36 - 0.76 0.76 - 0.91 0.91 - 1.17	7.8H 6.9H 6.4H 6.6H 6.6H	0.04B 0.42B 1B 1.8B 1.9B									
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Pa GV	rticle Siz	•	
0 - 0.08 0.08 - 0.36 0.36 - 0.76 0.76 - 0.91			17C								
0.91 - 1.17			45C								
Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 B						K sat	K unsat	
m				g/s	g - m3/m3	3			mm/h	mm/h	

0 - 0.08 0.08 - 0.36 0.36 - 0.76 0.76 - 0.91 0.91 - 1.17

WQR **Project Name:** 

Project Code: Agency Name: WQR Observation ID: 1 Site ID: B128

**CSIRO** Division of Soils (QLD)

## **Laboratory Analyses Completed for this profile**

2A1

Air-dry moisture content
Electrical conductivity or soluble salts - Not recorded
pH of soil - Not recorded
Water soluble Chloride - Cl(%) - Not recordede
Available P (mg/kg) - Not recorded

3\_NR 4\_NR

5\_NR 9\_NR