

**Project Name:** WQR  
**Project Code:** WQR      **Site ID:** B145      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	23/08/51	<b>Elevation:</b>	183 metres
<b>Map Ref.:</b>	Sheet No. : 7453 1:100000	<b>Rainfall:</b>	400
<b>Northing/Long.:</b>	142.858333333333	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-22.175	<b>Drainage:</b>	Poorly drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Auger boring, 1.5 m deep,Porous, Mudstone

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Peneplain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	15 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Self-mulching

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Endohypersodic Self-Mulching Brown Vertosol		<b>Principal Profile Form:</b>	Ug5.23
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	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:** 2-10%, coarse gravelly, 20-60mm, subrounded, Gravel

**Profile Morphology**

AB	0 - 0.1 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Strong grade of structure, Granular; Dry; Firm consistence; 0-2%, Substrate material, coarse fragments; Field pH 7.8 (pH meter); Clear change to -
B2	0.1 - 0.61 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Firm consistence; 0-2%, coarse fragments; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 7.6 (pH meter); Gradual change
B2	0.61 - 1.17 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Very firm consistence; 0-2%, coarse fragments; Few (2 - 10 %), Gypseous, , Crystals; Field pH 7.7 (pH meter); Gradual change to -
B3	1.17 - 1.45 m	Brown (7.5YR4/4-Moist); ; Heavy clay; Weak grade of structure, Lenticular; Moderately moist; Very firm consistence; 2-10%, Shale, coarse fragments; Common (10 - 20 %), Gypseous, , Crystals; Field pH 7.7 (pH meter); Gradual change to -
C	1.45 - 1.68 m	Pinkish grey (7.5YR6/2-Moist); ; Heavy clay; Massive grade of structure; Moist; Weak consistence; 2-10%, Mudstone, coarse fragments; Few (2 - 10 %), Gypseous, , Crystals; Field pH 7.5 (pH meter);

**Morphological Notes**

**Observation Notes**

0-10CM GRANULAR GRADING TO BLOCKY STRUCTURE

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0 - 0.1	7.8H	0.08B								
0.1 - 0.61	7.6H	1.05B								
0.61 - 1.17	7.7H	5.69B								
1.17 - 1.45	7.7H	11.6B								
1.45 - 1.68	7.5H	9B								

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**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 recorded
9_NR	Available P (mg/kg) - Not recorded