

**Project Name:** WQR  
**Project Code:** WQR      **Site ID:** B147      **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>	01/08/51	<b>Elevation:</b>	107 metres
<b>Map Ref.:</b>	Sheet No. : 7258 1:100000	<b>Rainfall:</b>	450
<b>Northing/Long.:</b>	141.779166666667	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-19.508333333333	<b>Drainage:</b>	Imperfectly 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 m deep, Porous, Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<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
Epicalcareous-Endohypersodic Self-Mulching Brown Vertosol	<b>Principal Profile Form:</b>	Ug5.28

**ASC Confidence:**

No analytical data are available but confidence is fair.

**Great Soil Group:**

Grey clay

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

**Vegetation:**

Low Strata - Tussock grass, , . \*Species includes - *Astrebula* species

Tall Strata - Tree, , Isolated plants. \*Species includes - *Atalaya hemiglauca*, *Acacia sutherlandii*, *Acacia*

*farnesiana*

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

AB	0 - 0.23 m	Greyish brown (2.5Y5/3-Moist); ; Heavy clay; Strong grade of structure, Granular; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8 (pH meter); Clear change to -
B2	0.23 - 0.46 m	Greyish brown (2.5Y5/3-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Dry; Firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 7.5 (pH meter); Gradual change to -
B2	0.46 - 0.76 m	Dark greyish brown (2.5Y4/3-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Gypseous, , Crystals; Field pH 7.5 (pH meter); Gradual change to -
B2	0.76 - 1.07 m	Dark greyish brown (2.5Y4/3-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Gypseous, , Crystals; Field pH 7.6 (pH meter);

**Morphological Notes**

**Observation Notes**

0-23CM GRANULAR GRADING TO BLOCKY STRUCTURE

**Site Notes**

MILLUNGERA

**Observation ID: 1**

[illegible]

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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
9A_NR	Total element - P(%) - Not recorded