

**Project Name:** CAN  
**Project Code:** CAN **Site ID:** C122 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

#### Site Information

<b>Desc. By:</b>	H.M. Churchwood	<b>Locality:</b>	County Townsend Parish Morago portion 21 (near s.w. corner)
<b>Date Desc.:</b>	01/04/55	<b>Elevation:</b>	150 metres
<b>Map Ref.:</b>	Sheet No. : 7827 1:100000	<b>Rainfall:</b>	410
<b>Northing/Long.:</b>	144.766666666667	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-35.416666666667	<b>Drainage:</b>	Well drained

#### Geology

<b>Exposure Type:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Porous, Unconsolidated material (unidentified)

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	Level
<b>Slope:</b>	<1 %	<b>Aspect:</b>	100 degrees

**Surface Soil Condition (dry):** Firm

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	Epicalcareous-Endohypersodic Massive Brown Vertosol	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Principal Profile Form:</b>	N/A
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:** Low Strata - Sod grass, , . \*Species includes - None recorded

#### Surface Coarse Fragments:

#### Profile Morphology

0 - 0.03 m	Brownish yellow (10YR6/6-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Platy; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; Field pH 8.4 (pH meter);
0.03 - 0.1 m	Reddish brown (5YR5/4-Moist); , 10YR63, 20-50% ; , 20-50% ; Light clay; 10-20 mm, Subangular blocky; Moderate grade of structure, 50-100 mm, Prismatic; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions; Field pH 9.1 (pH meter); Gradual change to -
0.1 - 0.2 m	Strong brown (7.5YR5/6-Moist); ; Light clay (Heavy); 10-20 mm, Angular blocky; Strong grade of structure, 100-200 mm, Prismatic; Firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Field pH 9.4 (pH meter);
0.2 - 0.28 m	Strong brown (7.5YR5/6-Moist); ; Light medium clay; 10-20 mm, Angular blocky; Strong grade of structure, 100-200 mm, Prismatic; Firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Field pH 9.2 (pH meter);
0.28 - 0.38 m	Yellowish brown (10YR5/6-Moist); ; Light clay (Light); 20-50 mm, Angular blocky; Moderate grade of structure, 100-200 mm, Angular blocky; Firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Field pH 9 (pH meter);
0.53 - 0.61 m	; Light medium clay; 10-20 mm, Subangular blocky; Weak grade of structure, 50-100 mm, Prismatic; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions; Field pH 9 (pH meter);
0.66 - 0.79 m	; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; Very firm consistence; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 9.2 (pH meter);
0.89 - 0.99 m	; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Strong consistence; Field pH 8.6 (pH meter);
1.22 - 1.42 m	Olive (5Y5/4-Moist); , 2.5Y61, 20-50% ; , 20-50% ; Light medium clay; Very firm consistence; Field pH 8 (pH meter);
1.68 - 1.83 m	Olive (5Y5/4-Moist); , 2.5Y61; Light medium clay; Very firm consistence; Field pH 7.3 (pH meter);

#### Morphological Notes

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**Observation Notes**

WIDGELLI PARNA SANDY MATERIAL DOWN CRACKS 0-28CM

**Site Notes**

DENIMEIN

**Observation ID: 1**

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**Laboratory Analyses Completed for this profile**

2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7_NR	Total nitrogen (%) - Not recorded
9A_HCL	Total element - P(%) - By boiling HCl
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance