

Project Name: CAN
Project Code: CAN **Site ID:** C123 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

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

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Subnatric Brown Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Grey earth
No analytical data are available but confidence is fair.			

Site Disturbance:

Vegetation: Low Strata - Sod grass, , . *Species includes - None recorded
 Mid Strata - Heath shrub, , . *Species includes - Muehlenbeckia cunninghamii
 Tall Strata - Tree, , . *Species includes - Eucalyptus largiflorens

Surface Coarse Fragments:

Profile Morphology

A1A2	0 - 0.04 m	Light brownish grey (2.5Y6/2-Moist); ; Clay loam; Strong grade of structure, 5-10 mm, Platy; Dry; Very firm consistence; Field pH 6.9 (pH meter);
Bk	0.04 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; 10-20 mm, Subangular blocky; Moderate grade of structure, 20-50 mm, Subangular blocky; Dry; Very firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 8.3 (pH meter);
Bk	0.1 - 0.19 m	Brown (10YR4/3-Moist); ; Medium clay (Light); 10-20 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 9.4 (pH meter); Gradual change to -
Bk	0.19 - 0.33 m	Brown (10YR4/3-Moist); , 7.5YR4/3, 20-50% ; , 20-50% ; Medium clay (Light); Weak grade of structure, 20-50 mm, Subangular blocky; Dry; Very firm consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 9.2 (pH meter); Gradual change to -
Bk	0.33 - 0.45 m	Brown (7.5YR4/3-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Subangular blocky; Dry; Strong consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 9.7 (pH meter);
Bk	0.55 - 0.7 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Subangular blocky; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 9.6 (pH meter);
	0.83 - 0.98 m	; Medium clay (Light); 200-500 mm, Subangular blocky; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 8.9 (pH meter);
C	1.2 - 1.37 m	; Sandy medium clay; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 8.9 (pH meter);
	1.68 - 1.91 m	; Sandy medium clay; Firm consistence; Field pH 7.4 (pH meter);
	2.03 - 2.13 m	; Medium clay; Very firm consistence; Field pH 6.6 (pH meter);

Morphological Notes

Observation Notes

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Site Notes

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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
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
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