

Project Name: CAN
Project Code: CAN **Site ID:** CP150 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	G.A. Stewart	Locality:	To Sandy Camp 11.4KM to Quambone 25.3KM: on Willie Marsh/Sandy Camp Road: Wallamgambone
Date Desc.:	12/06/79	Elevation:	No Data
Map Ref.:	Sheet No. : SH8436 1:100000	Rainfall:	430
Northing/Long.:	147.633333333333	Runoff:	Very slow
Easting/Lat.:	-30.8833333333334	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	150 degrees

Surface Soil Condition (dry): Hardsetting, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Epicalcareous-Endohypersodic Self-Mulching Grey Vertosol	Mapping Unit:	N/A
		Principal Profile Form:	Ug5.5

ASC Confidence:

Analytical data are incomplete but reasonable confidence.

Great Soil Group: N/A

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Sod grass, , Sparse. *Species includes - None recorded
Tall Strata - Tree, , Isolated plants. *Species includes - Acacia species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Firm consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Tubules; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 7.2 (pH meter);
0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Firm consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Tubules; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 7.3 (pH meter);
0.2 - 0.3 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Firm consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Tubules; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 7.7 (pH meter);
0.3 - 0.4 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Firm consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Tubules; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.3 (pH meter);
0.4 - 0.5 m	Brown (10YR4/3-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Field pH 8.5 (pH meter);
0.5 - 0.6 m	Brown (10YR4/3-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Field pH 8.7 (pH meter);
0.6 - 0.7 m	Brown (10YR4/3-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Field pH 8.7 (pH meter);
0.7 - 0.8 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter);
0.8 - 0.9 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Field pH 8.8 (pH meter);

Project Name: CAN
Project Code: CAN **Site ID:** CP150 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

0.9 - 1 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Field pH 9 (pH meter);
1 - 1.1 m	Yellowish brown (10YR5/4-Moist); , 10YR63, 20-50% ; , 10YR53, 20-50% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Field pH 9.1 (pH meter);
1.1 - 1.2 m	, 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Field pH 9 (pH meter);
1.2 - 1.3 m	Light yellowish brown (10YR6/4-Moist); , 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 9.1 (pH meter);
1.3 - 1.4 m	Light yellowish brown (10YR6/4-Moist); , 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 9.2 (pH meter);
1.4 - 1.5 m	Light yellowish brown (10YR6/4-Moist); , 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Concretions; Field pH 9.2 (pH meter);
1.5 - 1.6 m	Light yellowish brown (10YR6/4-Moist); , 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 9.2 (pH meter);
1.6 - 1.7 m	Light yellowish brown (10YR6/4-Moist); , 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 9.2 (pH meter);
1.7 - 1.8 m	Light yellowish brown (10YR6/4-Moist); , 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Concretions; Field pH 9.4 (pH meter);
1.8 - 1.9 m	Light yellowish brown (10YR6/4-Moist); , 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 9.3 (pH meter);
1.9 - 2 m	Light yellowish brown (10YR6/4-Moist); , 10YR53, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 9.3 (pH meter);

Morphological Notes

Observation Notes

SLICKENSIDES >70CM

Site Notes

QUAMBONE

Project Name: CAN

Project Code: CAN

Site ID: CP150

Observation ID: 1

Agency Name: CSIRO Division of Soils (NSW)

Depth m	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
0 - 0.1								0.18B		

Project Name: CAN
Project Code: CAN **Site ID:** CP150 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

0.1 - 0.2
0.2 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.8
0.8 - 0.9
0.9 - 1
1 - 1.1
1.1 - 1.2
1.2 - 1.3
1.3 - 1.4
1.4 - 1.5
1.5 - 1.6
1.6 - 1.7
1.7 - 1.8
1.8 - 1.9
1.9 - 2

Project Name: CAN
Project Code: CAN **Site ID:** CP150 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
15G_C_AL1	Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B
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
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
P3B_GV_15	15 BAR Moisture g/g - Gravimetric using pressure plate