

Project Name: CAN
Project Code: CAN **Site ID:** CP115 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	C.L. Watson	Locality:	1.2KM west of Gin and Office Auscott
Date Desc.:	31/08/78	Elevation:	225 metres
Map Ref.:	Sheet No. : 8837 1:100000	Rainfall:	650
Northing/Long.:	149.65	Runoff:	Very slow
Easting/Lat.:	-30.2	Drainage:	Imperfectly drained

Geology

ExposureType:	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:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endocalcareous-Endohypersodic Self-Mulching Aquic Vertosol	Principal Profile Form:	Ug5.24
ASC Confidence:	Great Soil Group:	Grey clay
Analytical data are incomplete but reasonable confidence.		

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark grey (10YR4/1-Moist); ; Heavy clay; <2 mm, Granular; 2-5 mm, Subangular blocky; Weak consistence; Slightly plastic; Field pH 8.1 (pH meter);
0.1 - 0.18 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Massive grade of structure; Very weak consistence; Slightly plastic; Field pH 8.3 (pH meter);
0.18 - 0.36 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Massive grade of structure; Very weak consistence; Moderately plastic; Field pH 8.3 (pH meter);
0.36 - 0.4 m	Dark grey (10YR4/1-Moist); ; Heavy clay; 50-100 mm, Subangular blocky; Very weak consistence; Moderately plastic; Field pH 8.5 (pH meter);
0.4 - 0.5 m	Dark grey (10YR4/1-Moist); ; Heavy clay; 50-100 mm, Subangular blocky; Very weak consistence; Moderately plastic; Field pH 8.6 (pH meter);
0.5 - 0.6 m	Dark grey (10YR4/1-Moist); ; Heavy clay; 50-100 mm, Subangular blocky; Very weak consistence; Moderately plastic; Field pH 8.7 (pH meter);
0.6 - 0.75 m	Dark grey (10YR4/1-Moist); ; Heavy clay; 50-100 mm, Subangular blocky; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter);
0.75 - 0.8 m	Grey (10YR5/1-Moist); , 10YR53, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);
0.8 - 0.9 m	Grey (10YR5/1-Moist); , 10YR53, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);
0.9 - 1 m	Grey (10YR5/1-Moist); , 10YR53, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);
1 - 1.1 m	Grey (10YR5/1-Moist); , 10YR53, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9 (pH meter);
1.1 - 1.2 m	Grey (10YR5/1-Moist); , 10YR53, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);

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1.2 - 1.3 m	Grey (10YR5/1-Moist); , 10YR53, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9 (pH meter);
1.3 - 1.4 m	Grey (10YR5/1-Moist); , 10YR53, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9 (pH meter);
1.4 - 1.5 m	Brown (10YR5/3-Moist); , 10YR51, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.9 (pH meter);
1.5 - 1.6 m	Brown (10YR5/3-Moist); , 10YR51, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.9 (pH meter);
1.6 - 1.7 m	Brown (10YR5/3-Moist); , 10YR51, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.8 (pH meter);
1.7 - 1.8 m	Brown (10YR5/3-Moist); , 10YR51, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.9 (pH meter);
1.8 - 1.9 m	Brown (10YR5/3-Moist); , 10YR51, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Concretions; Field pH 9 (pH meter);
1.9 - 2 m	Brown (10YR5/3-Moist); , 10YR51, 20-50% ; , 20-50% ; Heavy clay; Very weak consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.9 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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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
		g/g - m3/m3								
0 - 0.1								0.29B		

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0.1 - 0.18
0.18 - 0.36
0.36 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.75
0.75 - 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

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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
19A1	Carbonates - rapid titration
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_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded
P3B_GV_15	15 BAR Moisture g/g - Gravimetric using pressure plate