Project Name: CAN
Project Code: CAN **Site ID:** C532 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By: J. Loveday
Date Desc.: 01/12/61
Map Ref.: Sheet No. : 8128 1:100000
Northing/Long.: 146.087777777778
Easting/Lat.: -34.6666666666667
Locality: Tubbo site 11B-AM
Elevation: 150 metres
Rainfall: 410
Runoff: Very slow
Drainage: Imperfectly drained

Geology

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

Land Form

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

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:
Epicalcareous Epipedal Brown Vertosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Ug5.34
Great Soil Group: Grey clay

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation: Low Strata - Forb, <0.25m, Closed or dense. *Species includes - None recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.1 m	Brown (7.5YR4/2-Dry); , 7.5YR32, 20-50% ; , 20-50% ; Medium heavy clay; 5-10 mm, Angular blocky; 50-100 mm, Subangular blocky; Medium, (5 - 10) mm crack; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.1 (pH meter);
0.1 - 0.51 m	Brown (7.5YR4/3-Dry); ; Medium heavy clay; 100-200 mm, Angular blocky; 200-500 mm, Prismatic; Coarse, (10 - 20) mm crack; Very strong consistence; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.7 (pH meter);
0.51 - 0.91 m	Brown (7.5YR4/4-Moist); ; Medium heavy clay; 100-200 mm, Angular blocky; 200-500 mm, Prismatic; Coarse, (10 - 20) mm crack; Very strong consistence; Few (2 - 10 %), Calcareous, , Concretions;
0.91 - 1.14 m	Brown (7.5YR5/4-Moist); ; Medium heavy clay; 100-200 mm, Angular blocky; 200-500 mm, Prismatic; Medium, (5 - 10) mm crack; Very strong consistence; Few (2 - 10 %), Calcareous, , Concretions;
1.14 - 1.24 m	Brown (10YR5/3-Moist); , 5Y52; 100-200 mm, Angular blocky; 200-500 mm, Prismatic; Fine, (0 - 5) mm crack; Very strong consistence; Very few (0 - 2 %), Calcareous, , Concretions;

Morphological Notes

Observation Notes

Site Notes

COLEAMBALLY

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.025	7A	0.12A	20.9K	8.6	0.81	0.17	3.8E		34.3B	
0.025 - 0.1	8.2A	0.18A	20.7K	9.2	0.72	0.23	0.58E		31.4B	
0.1 - 0.2										
0.2 - 0.3	8.7A	0.18A	18.5K	11.6	0.66	0.94			31.7B	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.025		1.02F							9D	25	9	55
0.025 - 0.1	1.14A	0.51F							8D	24	8	57
0.1 - 0.2												
0.2 - 0.3	1.51A								8D	23	9	60

Depth	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		
m		g/g - m3/m3						mm/h	mm/h
0 - 0.025									
0.025 - 0.1									
0.1 - 0.2									
0.2 - 0.3									

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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_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
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
19A1	Carbonates - rapid titration
2_LOI	Loss on Ignition (%)
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
6_DC	Organic carbon (%) - Dry combustion
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