Project Name: CAN
Project Code: CAN **Site ID:** C522 **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.: 146.075277777778
Easting/Lat.: -34.7141666666667
Locality: Tubbo site 7A-AM
Elevation: 150 metres
Rainfall: 410
Runoff: Very slow
Drainage: Well drained

Geology

ExposureType: Soil pit
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: 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): Soft

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Calcic Brown Chromosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Db2.33
Great Soil Group: Solodized solonetz

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 - 0.15 m	Greyish brown (10YR5/2-Dry); ; Loamy sand; Massive grade of structure; Firm consistence; Field pH 5.8 (pH meter);
0.15 - 0.2 m	Light brownish grey (10YR6/2-Dry); , 10YR72; Loamy sand; Massive grade of structure; Very firm consistence;
0.2 - 0.3 m	Dark brown (10YR3/3-Dry); ; Sandy light clay; 5-10 mm, Angular blocky; 20-50 mm, Prismatic; Very strong consistence; Field pH 7.7 (pH meter);
0.3 - 0.46 m	Dark brown (10YR3/3-Dry); , 7.5YR44; Sandy light clay; 20-50 mm, Prismatic; Strong consistence; Very few (0 - 2 %), Calcareous, , ;
0.46 - 0.76 m	Brown (7.5YR4/4-Dry); , 10YR33; , 10YR54; Sandy medium clay; , Angular blocky; Few (2 - 10 %), Calcareous, , Concretions;
0.76 - 1.22 m	Greyish brown (2.5Y5/2-Moist); , 10YR54; Sandy medium clay; Few (2 - 10 %), Calcareous, , Concretions; Few (2 - 10 %), Gypseous, Fine (0 - 2 mm), Crystals;

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	5.5A	0.12A								
0.025 - 0.1	6A	0.03A	5.6K	1.2	0.42	0.09	3E		10.3B	
0.1 - 0.2										
0.2 - 0.3	7.7A	0.09A	14.3K	8.5	1.1	0.57	2.3E		26.8B	

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									50D	28	9	12
0.025 - 0.1		0.72F							49D	28	9	11
0.1 - 0.2												
0.2 - 0.3									25D	14	8	50

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)
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