Project Name: CAN
Project Code: CAN **Site ID:** C574 **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.: 146.086388888889
Easting/Lat.: -34.6844444444445
Locality: Tubbo site 22A-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: No Data

Surface Soil Condition (dry): Surface crust, Firm

Erosion:

Soil Classification

Australian Soil Classification:
Bleached-Vertic Calcic Red Chromosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dr1.33
Great Soil Group: Red-brown earth

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 - 0.05 m	Pale brown (10YR6/3-Dry); ; Loam; Massive grade of structure; Firm consistence; Field pH 5.6 (pH meter);
0.05 - 0.1 m	Very pale brown (10YR7/3-Dry); ; Loam; Massive grade of structure; Firm consistence; Field pH 6.1 (pH meter);
0.1 - 0.3 m	Dark reddish brown (2.5YR3/4-Dry); ; Medium heavy clay; 50-100 mm, Angular blocky; 200-500 mm, Prismatic; Very strong consistence; Field pH 7.9 (pH meter);
0.3 - 0.45 m	Reddish brown (5YR4/4-Dry); ; Medium heavy clay; 50-100 mm, Angular blocky; 200-500 mm, Prismatic; Few (2 - 10 %), Calcareous, , Concretions;
0.45 - 1.07 m	Reddish brown (5YR4/4-Dry); ; Medium heavy clay; 50-100 mm, Angular blocky; 200-500 mm, Prismatic; Few (2 - 10 %), Calcareous, , Concretions;
1.07 - 1.27 m	Olive grey (5Y4/2-Moist); , 5Y52, 20-50% ; , 20-50% ; Medium heavy clay; 10-20 mm, Angular blocky; Few (2 - 10 %), Calcareous, , Concretions;

Morphological Notes

Observation Notes

SHINY PED FACES & SL. BLACK STAINING >45CM

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	5.6A	0.09A	4.1K	1.5	0.39	0.13	4.8E		10.9B	
0.025 - 0.1	6.1A	0.03A	3.6K	2.1	0.33	0.13	3.3E		9.5B	
0.1 - 0.2										
0.2 - 0.03	7.9A	0.12A	12.1K	13	1	2.2	2.9E		31.2B	

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		0.95F							26D	38	18	18
0.025 - 0.1		0.42F							23D	37	20	21
0.1 - 0.2												
0.2 - 0.03	0.03A								7D	11	9	70

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 - 0.03									

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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
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
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