

**Project Name:** CAN  
**Project Code:** CAN      **Site ID:** C524      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	J. Loveday	<b>Locality:</b>	Tubbo site 7A-AM
<b>Date Desc.:</b>	01/12/61	<b>Elevation:</b>	150 metres
<b>Map Ref.:</b>	Sheet No. : 8128    1:100000	<b>Rainfall:</b>	410
<b>Northing/Long.:</b>	146.075277777778	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-34.714166666667	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Porous, Unconsolidated material (unidentified)

**Land Form**

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

**Surface Soil Condition (dry):**    Soft

**Erosion:**

**Soil Classification**

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

**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); ; Sandy loam; Massive grade of structure; Firm consistence; Field pH 5.6 (pH meter);
0.15 - 0.18 m	Light brownish grey (10YR6/2-Dry); , 10YR72; Sandy loam; 5-10 mm, Angular blocky; Massive grade of structure; Very firm consistence;
0.18 - 0.3 m	Dark brown (10YR3/3-Dry); ; Sandy light clay; 20-50 mm, Prismatic; Very strong consistence; Field pH 7.5 (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;
1.22 - 1.22 m	; Sandy medium clay;

**Morphological Notes**

**Observation Notes**

**Site Notes**

COLEAMBALLY

**Observation ID: 1**

**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.025	5.6A	0.09A	5.1K	0.86	0.3	0.15	4.5E		10.9B	
0.025 - 0.1	5.6A	0.06A	4.6K	0.97	0.3	0.03	4E		9.9B	
0.2 - 0.3	7.5A	0.06A	11K	7.6	0.9	0.98	2.1E		22.6B	

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.025		1.07F							50D	26	11	9
0.025 - 0.1		0.8F							51D	27	11	9
0.2 - 0.3									32D	14	6	46

[illegible]

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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