

Project Name: CAN
Project Code: CAN **Site ID:** C566 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	J. Loveday	Locality:	Tubbo site 20A-AM
Date Desc.:	01/12/61	Elevation:	150 metres
Map Ref.:	Sheet No. : 8128 1:100000	Rainfall:	410
Northing/Long.:	146.075277777778	Runoff:	Very slow
Easting/Lat.:	-34.714166666667	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	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:	<1 %	Aspect:	0 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Calcic Brown Chromosol		Principal Profile Form:	Db2.33
ASC Confidence:		Great Soil Group:	Red-brown earth
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); ; Loamy sand; Massive grade of structure; Firm consistence; Field pH 5.8 (pH meter); Wavy change to -
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); ; Medium clay; 50-100 mm, Angular blocky; 200-500 mm, Prismatic; Rigid consistence; Field pH 7.5 (pH meter);
0.3 - 0.45 m	Dark brown (10YR3/3-Dry); , 7.5YR44; Medium clay; 50-100 mm, Angular blocky; 200-500 mm, Prismatic;
0.45 - 0.76 m	Brown (7.5YR4/4-Dry); , 10YR33; , 10YR54; Sandy medium clay; 50-100 mm, Angular blocky; 200-500 mm, Prismatic; Very few (0 - 2 %), Calcareous, , ;
0.76 - 1.22 m	Greyish brown (2.5Y5/2-Moist); , 10YR54; Sandy medium clay; , Angular blocky; Few (2 - 10 %), Calcareous, , Concretions;
1.22 - 1.32 m	; Sandy medium clay; , Angular blocky; Few (2 - 10 %), Calcareous, , Concretions; Few (2 - 10 %), Gypseous, Fine (0 - 2 mm), Crystals;

Morphological Notes

Observation Notes

TOP OF PRISMS SL. DOMED & UNDULATING WITH BLEACHED SANDY CAPPINGS:AGGREGATES WITH BLACK STAINED FACES (20-30CM)

Site Notes

COLEAMBALLY

Observation ID: 1

Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.025	5.7A	0.09A								
0.025 - 0.1	5.9A	0.03A	4.4K	1	0.47		4.6E		10.5B	
0.1 - 0.2										
0.2 - 0.3	7.5A	0.06A	12.1K	7.2	0.97	0.87	2.4E		23.5B	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.025		0.77F							50D	27	11	11
0.025 - 0.1									50D	27	17	4
0.1 - 0.2												
0.2 - 0.3									30D	15	4	47

[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)
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