Project Name: CAN
Project Code: CAN **Site ID:** C576 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	J. Loveday	**Locality:**	Tubbo site 22B-AM
Date Desc.:	01/12/61	**Elevation:**	150 metres
Map Ref.:	Sheet No. : 8128 1:100000	**Rainfall:**	410
Northing/Long.:	146.086388888889	**Runoff:**	Very slow
Easting/Lat.:	-34.6844444444445	**Drainage:**	Imperfectly drained

Geology

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

Surface Soil Condition (dry): Surface crust, Firm

Erosion:

Soil Classification

Australian Soil Classification:
Bleached-Vertic Calcic Red Chromosol

ASC Confidence:
Analytical data are incomplete but reasonable confidence.

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 - 0.04 m	Pale brown (10YR6/3-Dry); ; Loam; Massive grade of structure; Firm consistence; Field pH 5.6 (pH meter);
0.04 - 0.05 m	Very pale brown (10YR7/3-Dry); ; Loam; Massive grade of structure; Firm consistence;
0.05 - 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; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.2 (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	5.5A	0.09A	5.3K	2.6	0.59	0.22	6.9E		15.6E	
0.025 - 0.1	6.7A	0.06A	10.3K	9.6	1.3	0.7	6.4E		28.3E	
0.1 - 0.2										
0.2 - 0.3	8.2A	0.09A	13.4K	13	1	1.9	2.3E		31.6E	

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		0.98F							21D	34	19	26
0.025 - 0.1		0.56F							9D	18	12	60
0.1 - 0.2												
0.2 - 0.3	0.01A								7D	13	10	68

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	Sum of Ex. cations + Ex. acidity - Not recorded
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
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