

Project Name: CAN
Project Code: CAN **Site ID:** CP131 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	P.H. Walker	Locality:	20CM E of 1 mile post:inside fence:
Date Desc.:	02/01/79	Elevation:	No Data
Map Ref.:		Rainfall:	610
Northing/Long.:	148.666666666667	Runoff:	Very slow
Easting/Lat.:	-33.8333333333334	Drainage:	No Data

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:	Gently undulating plains <9m 1-3%	Pattern Type:	Terrace (alluvial)
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	Level
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry): Soft, Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol		Principal Profile Form:	Dr2.2
ASC Confidence:		Great Soil Group:	Red podzolic soil

No analytical data are available but confidence is fair.

Site Disturbance: Cultivation. Rainfed

Vegetation: Low Strata - Sod grass, , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	; Fine sandy loam; Massive grade of structure; Very weak consistence; Field pH 5.5 (pH meter);
A2	0.1 - 0.2 m	; Fine sandy loam; Massive grade of structure; Firm consistence;
A2	0.2 - 0.27 m	; Fine sandy loam; Massive grade of structure; Firm consistence;
A2	0.27 - 0.3 m	; Fine sandy loam; Massive grade of structure; Firm consistence; Field pH 5.8 (pH meter);
A3	0.3 - 0.37 m	; Fine sandy loam; Massive grade of structure; Very firm consistence;
B1	0.37 - 0.44 m	; Fine sandy loam; Massive grade of structure; Very firm consistence;
B2	0.44 - 0.5 m	; Medium clay; , Angular blocky; Very strong consistence; Field pH 6.1 (pH meter);
B2	0.5 - 0.6 m	; Medium clay; , Angular blocky; Very strong consistence;
B2	0.6 - 0.8 m	; Medium clay; , Angular blocky; Very strong consistence; Field pH 5.9 (pH meter);
B3	0.8 - 0.9 m	; Medium clay; , Angular blocky; Very strong consistence;
B3	0.9 - 1.1 m	; Clay loam; , Angular blocky; Very strong consistence;
C	1.1 - 1.2 m	; Clay loam; , Angular blocky; Very strong consistence; Field pH 7.9 (pH meter);
C	1.2 - 1.4 m	; Clay loam; , Angular blocky; Very strong consistence;

Morphological Notes

Observation Notes

Site Notes

COWRA-GRENFELL

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Ca	Exchangeable Mg	Cations K	Exchangeable Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	5.5A	0.07A	0.75K	0.27	0.53	0.03	5.9B	7.5J		0.40
0.27 - 0.3	5.8H	0.02A	1.6K	0.3	0.2	0.03	2.4B	4.5J		0.67
0.44 - 0.5	6.1H	0.02A	2.3K	2.4	0.3	0.16	4.9B	10.1J		1.58
0.6 - 0.8	5.9H	0.04A	3.3K	5	0.31	0.49	7.3B	16.4J		2.99

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 - 0.1		1.39D							4D	67	19	10
0.27 - 0.3		0.37D							4D	62	23	11
0.44 - 0.5		0.27D							3D	49	18	30
0.6 - 0.8		0.18D							2D	37	16	44

[illegible]

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Laboratory Analyses Completed for this profile

13_NR_FE	Extractable Fe(%) - Not recorded
13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - 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
15G_C_AL1	Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4_NR	pH of soil - Not recorded
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
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