

Project Name: CAN
Project Code: CAN **Site ID:** CP134 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	P.H. Walker	Locality:	200M C'berra side of Old Rd Bridge over r'way h'crest above rd cutting:
Date Desc.:	02/01/79	Elevation:	450 metres
Map Ref.:	Sheet No. : S155-16 1:250000	Rainfall:	640
Northing/Long.:	149.208333333333	Runoff:	Slow
Easting/Lat.:	-35.3444444444445	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Low hills
Morph. Type:	Flat	Relief:	10 metres
Elem. Type:	Valley flat	Slope Category:	Gently inclined
Slope:	1 %	Aspect:	315 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

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

All necessary analytical data are available.

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - Tree, , . *Species includes - Eucalyptus species

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Brown (7.5YR5/2-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence; Field pH 5.5 (pH meter); Clear change to -
A2	0.08 - 0.18 m	Brown (7.5YR5/2-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence;
A2	0.18 - 0.3 m	Light brown (7.5YR6/4-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence; Field pH 5.2 (pH meter); Diffuse change to -
A3	0.3 - 0.4 m	Light reddish brown (5YR6/4-Moist); ; Loamy sand; Massive grade of structure; Loose consistence; Sharp change to -
B21	0.4 - 0.53 m	Red (2.5YR4/6-Moist); ; Medium heavy clay; Moderate grade of structure, Subangular blocky; Very strong consistence; Field pH 6 (pH meter);
B22	0.53 - 0.6 m	Red (2.5YR4/6-Moist); ; Medium heavy clay; Moderate grade of structure, Subangular blocky; Very strong consistence; Diffuse change to -
B3	0.6 - 0.8 m	Dark red (2.5YR3/6-Moist); ; Medium heavy clay; Moderate grade of structure, Subangular blocky; Very strong consistence; Field pH 6.8 (pH meter);
B3	0.8 - 1 m	Dark red (2.5YR3/6-Moist); ; Medium heavy clay; Moderate grade of structure, Subangular blocky; Very strong consistence; Diffuse change to -
C	1 - 1.2 m	Very pale brown (10YR7/4-Moist); ; Light medium clay; Moderate grade of structure, Subangular blocky; Very strong consistence; Field pH 7.5 (pH meter);
C	1.2 - 1.4 m	Very pale brown (10YR7/4-Moist); ; Light medium clay; Moderate grade of structure, Subangular blocky; Very strong consistence;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Analyses Completed for this profile

13_C_FE	Extractable Fe(%) - Method recorded as C
13A1_AL	Oxalate-extractable aluminium
13A1_FE	Oxalate-extractable iron
13C1_AL	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
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_GRAV	Gravel (%)
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