

Project Name: CAN
Project Code: CAN **Site ID:** CP78 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	P.H. Walker	Locality:	
Date Desc.:	01/08/77	Elevation:	660 metres
Map Ref.:	Sheet No. : 8727 1:100000	Rainfall:	640
Northing/Long.:	149.111944444444	Runoff:	Slow
Easting/Lat.:	-35.2711111111111	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	1.2 m deep,Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Alluvial fan
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5.5 %	Aspect:	45 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Mesotrophic Red Kandosol		Principal Profile Form:	Gn
ASC Confidence:		Great Soil Group:	N/A
No analytical data are available but confidence is fair.			

Site Disturbance: No effective disturbance. Natural

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Moist; Firm consistence; Field pH 6.5 (pH meter); Clear change to -
A1	0.1 - 0.2 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Moist; Firm consistence; Field pH 5.1 (pH meter); Clear change to -
	0.2 - 0.5 m	;
A22	0.3 - 0.4 m	Yellowish brown (10YR5/5-Moist); Yellow (10YR7/5-Dry); ; Loamy fine sand; Massive grade of structure; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, dispersed, Gravel, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), ; Field pH 4.7 (pH meter); Gradual change to -
A23	0.4 - 0.5 m	Strong brown (7.5YR5/5-Moist); Reddish yellow (7.5YR6/5-Dry); ; Sandy loam; Massive grade of structure; Dry; Firm consistence; 2-10%, coarse gravelly, 20-60mm, dispersed, Gravel, coarse fragments; Field pH 4.8 (pH meter); Clear change to -
B1	0.5 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Firm consistence; 2-10%, coarse gravelly, 20-60mm, dispersed, Gravel, coarse fragments; Field pH 4.9 (pH meter); Gradual change to -
B2	0.6 - 0.7 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Field pH 5.1 (pH meter); Gradual change to -
B2	0.7 - 0.8 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Field pH 5.2 (pH meter); Gradual change to -
B3	0.8 - 0.9 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam; Weak grade of structure, 2-5 mm, Subangular blocky; Earthy fabric; Dry; Very firm consistence; 0-2%, dispersed, Gravel, coarse fragments; Field pH 5.1 (pH meter); Gradual change to -
BC	0.9 - 1 m	Yellowish brown (10YR5/5-Moist); , 10R46, 20-50% ; , 2.5Y62, 20-50% ; Light clay; Weak grade of structure, <2 mm, Subangular blocky; Earthy fabric; Dry; Very firm consistence; Field pH 5.3 (pH meter); Gradual change to -

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BC 1 - 1.1 m Dark yellowish brown (10YR4/6-Moist); , 10YR56, 2-10% ; , 2.5Y62, 2-10% ; Light clay; Massive grade of structure; Dry; Very strong consistence; Field pH 5.4 (pH meter); Gradual change to -

BC 1.1 - 1.2 m ; Light clay; Massive grade of structure; Dry; Very strong consistence; Field pH 5.6 (pH meter);

Morphological Notes

Observation Notes

FANGLOMERATE 100-200CM TUBULES IN 2.5Y 6/2

Site Notes

BLACK MOUNTAIN

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[illegible]

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Laboratory Analyses Completed for this profile

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
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
7_NR	Total nitrogen (%) - Not recorded