

Project Name: CAN
Project Code: CAN **Site ID:** CP133 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	P.H. Walker	Locality:	W/I Florey M.U.:Canb. Survey:Div. Dept. No.29:B/W Moynihan & Delissa Streets
Date Desc.:	29/05/79	Elevation:	60 metres
Map Ref.:	Sheet No. : 8727 1:100000	Rainfall:	640
Northing/Long.:	149.066666666667	Runoff:	Moderately rapid
Easting/Lat.:	-35.2083333333333	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	50 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	150 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached Eutrophic Red Chromosol		Principal Profile Form:	Dr2.4
ASC Confidence:		Great Soil Group:	Red podzolic soil

No analytical data are available but confidence is fair.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.07 m	Reddish brown (5YR4/3-Moist); ; Loamy sand; Massive grade of structure; Firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz porphyry, coarse fragments; Gradual change to -
A1/A2	0.07 - 0.15 m	Reddish brown (5YR5/3-Moist); ; Loamy sand; Massive grade of structure; Firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz porphyry, coarse fragments; Gradual change to -
A2	0.15 - 0.25 m	Light brown (7.5YR6/4-Moist); Pink (5YR7/4-Dry); ; Loamy sand; Massive grade of structure; Loose consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz porphyry, coarse fragments; Gradual change to -
A3	0.25 - 0.33 m	Light brown (7.5YR6/4-Moist); Pink (5YR7/4-Dry); ; Loamy sand; Massive grade of structure; Loose consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz porphyry, coarse fragments; Gradual change to -
B21	0.33 - 0.43 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; 10-20 mm, Subangular blocky; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Quartz porphyry, coarse fragments; Sharp change to -
B22	0.43 - 0.55 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; 20-50 mm, Subangular blocky; Very strong consistence; 20-50%, medium gravelly, 6-20mm, angular, Quartz porphyry, coarse fragments;
B3	0.55 - 0.67 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; 20-50 mm, Subangular blocky; Very strong consistence; 20-50%, medium gravelly, 6-20mm, angular, Quartz porphyry, coarse fragments; Diffuse change to -
C	0.67 - 0.8 m	Dark red (2.5YR3/6-Moist); ; Massive grade of structure; Very strong consistence; 50-90%, coarse gravelly, 20-60mm, angular, Quartz porphyry, coarse fragments;
C	0.8 - 1 m	Dark red (2.5YR3/6-Moist); ; Massive grade of structure; Very strong consistence; 50-90%, cobbly, 60-200mm, angular, Quartz porphyry, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		
						Cmol (+)/kg			%

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			%		

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

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Laboratory Analyses Completed for this profile