Project Name: CAN
Project Code: CAN **Site ID:** CP140 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	P.H. Walker	**Locality:**	
Date Desc.:	29/05/79	**Elevation:**	720 metres
Map Ref.:	Sheet No. : S1 55-16 1:250000	**Rainfall:**	640
Northing/Long.:	149.365	**Runoff:**	Slow
Easting/Lat.:	-35.0966666666667	**Drainage:**	Well drained

Geology

ExposureType:	Existing vertical exposure	**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:**	5 metres
Elem. Type:	Channel bench	**Slope Category:**	Gently inclined
Slope:	1 %	**Aspect:**	330 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:
No Available Class Basic Stratic Rudosol

ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: Uc1.21
Great Soil Group: Alluvial soil

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Loamy fine sand; Massive grade of structure; Firm consistence; Field pH 5.4 (pH meter);
0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Loamy fine sand; Massive grade of structure; Very strong consistence;
0.2 - 0.3 m	Brown (10YR4/3-Moist); ; Fine sandy loam; Massive grade of structure; Very strong consistence; Field pH 5.6 (pH meter);
0.3 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Fine sandy loam; Massive grade of structure; Very firm consistence;
0.5 - 0.7 m	Dark yellowish brown (10YR4/4-Moist); ; Loam; Massive grade of structure; Very strong consistence; Field pH 6.2 (pH meter);
0.7 - 0.9 m	Dark yellowish brown (10YR4/4-Moist); ; Loam; Massive grade of structure; Very strong consistence;
0.9 - 1.1 m	Dark greyish brown (10YR4/2-Moist); ; Loam; Massive grade of structure; Very strong consistence;

Morphological Notes

Observation Notes

MODERN ALLUVIUM (TRAWALLA UNIT):VESICULAR THROUGHOUT:70-110CM STRATIFIED SANDY BEDS:

Site Notes

SHINGLE HOUSE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg				%
0 - 0.1	5.4A	0.1A	2.4K	2	0.53	0.17	14.7B	19.8J		0.86
0.2 - 0.3	5.6A	0.04A	1.3K	1.3	0.13	0.19	6.2B	9.1J		2.09
0.5 - 0.7	6.2A	0.04A	1.3K	1.7	1.7	0.5	7B	10.6J		4.72

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 - 0.1		3.03D						3	10D	38	25	23
0.2 - 0.3		0.68D						1	13D	55	16	16
0.5 - 0.7		0.45D						46	18D	19	9	9

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 - 0.1										
0.2 - 0.3										
0.5 - 0.7										

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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