

**Project Name:** CAN  
**Project Code:** CAN **Site ID:** CP141 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

#### Site Information

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

#### Geology

<b>Exposure Type:</b>	Existing vertical exposure	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Porous, Unconsolidated material (unidentified)

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	2 %	<b>Aspect:</b>	330 degrees

**Surface Soil Condition (dry):** Firm

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Regolithic Chernic Tenosol		<b>Principal Profile Form:</b>	Um6.11
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Prairie soil
All necessary analytical data are available.			

**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

A1	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; , Granular; Firm consistence; Field pH 5.6 (pH meter); Clear change to -
A2	0.08 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; , Granular; Firm consistence;
B21	0.2 - 0.3 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; , Granular; Firm consistence; Field pH 5.7 (pH meter);
B22	0.3 - 0.42 m	Dark grey (10YR4/1-Moist); ; Clay loam (Light); Weak grade of structure, Subangular blocky; Firm consistence;
B23	0.42 - 0.52 m	Greyish brown (10YR5/2-Moist); ; Clay loam (Light); Weak grade of structure, Subangular blocky; Firm consistence; Field pH 6.3 (pH meter); Clear change to -
2B1	0.52 - 0.6 m	Greyish brown (10YR5/2-Moist); ; Clay loam; Weak grade of structure, Subangular blocky; Firm consistence;
2B21	0.6 - 0.7 m	Greyish brown (10YR5/2-Moist); ; Light clay; Massive grade of structure; Firm consistence;
2B22	0.7 - 0.9 m	Dark grey (10YR4/1-Moist); ; Light clay; Massive grade of structure; Very strong consistence; Field pH 6.9 (pH meter);
2B23	0.9 - 1.1 m	Dark grey (10YR4/1-Moist); ; Light clay; Massive grade of structure; Very strong consistence;

#### Morphological Notes

#### Observation Notes

HOLOCENE ALLUVIUM (SHINGLE HOUSE UNIT): VESICULAR THROUGHOUT: >30CM PROBABLY BROAD SEDIMENTARY BANDS:

#### Site Notes

SHINGLE HOUSE

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.08	5.6A	0.05A	4.4K	2.1	0.61	0.18	18.3B	25.6J		0.70
0.2 - 0.3	5.7A	0.04A	3K	2.3	0.14	0.21	16.2B	21.9J		0.96
0.42 - 0.52	6.3A	0.03A	1.6K	1.9	0.09	0.24	14.5B	18.3J		1.31
0.7 - 0.9	6.9A	0.07A	2.5K	2.6	0.08	0.72	19.2B	25J		2.88

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 - 0.08		3.46D							7D	33	36	24
0.2 - 0.3		1.31D							3D	29	42	26
0.42 - 0.52		0.94D						1	2D	31	43	23
0.7 - 0.9		1.31D							1D	27	39	33

[illegible]

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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