

**Project Name:** CAN  
**Project Code:** CAN      **Site ID:** CP75      **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>	01/04/77	<b>Elevation:</b>	630 metres
<b>Map Ref.:</b>	Sheet No. : 8727    1:100000	<b>Rainfall:</b>	640
<b>Northing/Long.:</b>	149.2	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-35.261388888889	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	No Data	<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>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Terrace (alluvial)
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	125 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached Hypocalcic Red Chromosol		<b>Principal Profile Form:</b>	Dr
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red podzolic soil
All necessary analytical data are available.			

**Site Disturbance:** Cultivation. Rainfed

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

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.07 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure, 2-5 mm; Dry; Very weak consistence; Field pH 5.7 (pH meter); Abrupt change to -
A2	0.07 - 0.1 m	Brown (7.5YR5/4-Moist); , 10YR33, 2-10% ; , 2-10% ; Sandy loam; Massive grade of structure, 2-5 mm; Dry; Very weak consistence; Field pH 5.5 (pH meter); Gradual change to -
A2	0.1 - 0.2 m	Brown (7.5YR5/4-Moist); Pinkish grey (7.5YR7/3-Dry); ; Sandy loam; Massive grade of structure, 2-5 mm; Dry; Very weak consistence; Field pH 6 (pH meter); Gradual change to -
A2	0.2 - 0.25 m	Brown (7.5YR5/4-Moist); Pinkish grey (7.5YR7/3-Dry); ; Sandy loam; Massive grade of structure, 2-5 mm; Dry; Very weak consistence; Field pH 6.6 (pH meter); Clear change to -
A3	0.25 - 0.35 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure, 2-5 mm; Earthy fabric; Dry; Firm consistence; Few (2 - 10 %), Ferromanganiferous, , ; Field pH 6.7 (pH meter); Clear change to -
B	0.35 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Massive grade of structure, 2-5 mm; Smooth-ped fabric; Dry; Firm consistence; Few (2 - 10 %), Ferromanganiferous, , ; Field pH 7 (pH meter); Gradual change to -
B	0.4 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Massive grade of structure, 2-5 mm; Smooth-ped fabric; Moist; Weak consistence; Few (2 - 10 %), Ferromanganiferous, , ; Field pH 7.3 (pH meter); Gradual change to -
B	0.5 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Massive grade of structure, 2-5 mm; Smooth-ped fabric; Moist; Weak consistence; Few (2 - 10 %), Ferromanganiferous, , ; Field pH 7.2 (pH meter); Gradual change to -
B	0.6 - 0.7 m	Yellowish red (5YR4/6-Moist); , 10YR54, 0-2% ; , 0-2% ; Heavy clay; Massive grade of structure, 2-5 mm; Smooth-ped fabric; Moist; Firm consistence; Very few (0 - 2 %), Ferromanganiferous, , ; Field pH 7.3 (pH meter); Gradual change to -
B	0.7 - 0.8 m	Yellowish red (5YR4/6-Moist); , 10YR54, 0-2% ; , 0-2% ; Heavy clay; Massive grade of structure, 2-5 mm; Smooth-ped fabric; Moist; Firm consistence; Very few (0 - 2 %), Ferromanganiferous, , ; Field pH 7.1 (pH meter); Gradual change to -

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B	0.8 - 0.9 m	Yellowish red (5YR4/6-Moist); , 10YR54, 2-10% ; , 2-10% ; Heavy clay; Weak grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moist; Strong consistence; Field pH 7.1 (pH meter); Gradual change to -
B	0.9 - 1 m	Yellowish red (5YR4/6-Moist); , 10YR54, 2-10% ; , 2-10% ; Heavy clay; Weak grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moist; Strong consistence; Field pH 6.8 (pH meter); Gradual change to -
BC	1.1 - 1.3 m	Yellowish red (5YR4/6-Moist); , 5YR42, 20-50% ; , 10YR54, 20-50% ; Heavy clay; Weak grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Field pH 7 (pH meter); Gradual change to -
BC	1.3 - 1.4 m	Yellowish red (5YR4/6-Moist); , 5YR42, 20-50% ; , 10YR54, 20-50% ; Heavy clay; Weak grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Field pH 7.5 (pH meter); Clear change to -
BCk	1.4 - 1.5 m	Olive brown (2.5Y4/4-Moist); , 5YR46, 20-50% ; , 20-50% ; Medium heavy clay; Massive grade of structure, 2-5 mm; Smooth-ped fabric; Moist; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 7.6 (pH meter); Gradual change to -
C	1.5 - 1.6 m	Yellowish brown (10YR5/4-Moist); , 10YR33, 2-10% ; , 2-10% ; Medium heavy clay; Massive grade of structure, 2-5 mm; Earthy fabric; Moist; Very firm consistence; Field pH 7.6 (pH meter);

**Morphological Notes**

**Observation Notes**

ALLUVIUM BIOTIC ACTIVITY 0-35CM

**Site Notes**

CHERRYBURN

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[illegible]

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0.7 - 0.8  
0.8 - 0.9  
0.9 - 1  
1.1 - 1.3  
1.3 - 1.4  
1.4 - 1.5  
1.5 - 1.6

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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
19A1	Carbonates - rapid titration
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
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