

**Project Name:** CAN  
**Project Code:** CAN      **Site ID:** CP135      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	P.H. Walker	<b>Locality:</b>	Alluvial features along Cow Flat Creek
<b>Date Desc.:</b>	30/05/79	<b>Elevation:</b>	650 metres
<b>Map Ref.:</b>	Sheet No. : 8727    1:100000	<b>Rainfall:</b>	640
<b>Northing/Long.:</b>	149.055555555556	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-35.127777777778	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</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>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Channel bench	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	0 %	<b>Aspect:</b>	300 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
No Available Class Basic Stratic Rudosol		<b>Principal Profile Form:</b>	Uc1.21
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Alluvial 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**

A	0 - 0.06 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam (Light); Massive grade of structure; Firm consistence; Field pH 6.8 (pH meter); Clear change to -
A	0.06 - 0.18 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam (Light); Massive grade of structure; Firm consistence; Clear change to -
	0.18 - 0.32 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Firm consistence; Field pH 7.1 (pH meter); Gradual change to -
	0.32 - 0.42 m	Dark greyish brown (10YR4/2-Moist); ; Loamy coarse sand; Massive grade of structure; Firm consistence;
	0.42 - 0.56 m	Dark greyish brown (10YR4/2-Moist); ; Loamy coarse sand; Massive grade of structure; Firm consistence; Field pH 7.4 (pH meter);
	0.56 - 0.71 m	Dark yellowish brown (10YR4/6-Moist); ; Sandy loam; Massive grade of structure; Firm consistence;
	0.71 - 0.9 m	Dark yellowish brown (10YR4/6-Moist); ; Sandy loam; Massive grade of structure; Weak consistence; , Ferruginous, , Soft segregations;

**Morphological Notes**

**Observation Notes**

**Site Notes**

GOOROMON PONDS

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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 - 0.06	6.8D	0.07A	5.3K	4.2	0.23	0.19	3.3B	13.2J		1.44
0.18 - 0.32	7.1D	0.05A	4.4K	3.7	0.1	0.42	2.5B	11.1J		3.78
0.42 - 0.56	7.4D	0.12A	3.8K	3.8	0.1	0.72	0B	7.6J		9.47

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 - 0.06		1.58D							17D	48	17	18
0.18 - 0.32		0.67D							18D	47	17	19
0.42 - 0.56		0.23D						11	25D	34	13	17

[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
4C1	pH of 1:5 soil/1M potassium chloride extract - direct
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