

Project Name: CAN
Project Code: CAN **Site ID:** CP136 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	P.H. Walker	Locality:	Alluvial features along Cow Flat Creek
Date Desc.:	30/05/79	Elevation:	650 metres
Map Ref.:	Sheet No. : 8727 1:100000	Rainfall:	640
Northing/Long.:	149.055555555556	Runoff:	Very slow
Easting/Lat.:	-35.127777777778	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:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Valley flat	Slope Category:	Level
Slope:	0 %	Aspect:	300 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Grey Dermosol		Principal Profile Form:	Um6.22
ASC Confidence:		Great Soil Group:	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

A	0 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Loam; Moderate grade of structure, Granular; Very strong consistence; Field pH 6.1 (pH meter); Diffuse change to -
A	0.2 - 0.4 m	Dark greyish brown (10YR4/2-Moist); ; Loam; Strong grade of structure, Subangular blocky; Very strong consistence; Field pH 6.6 (pH meter);
	0.4 - 0.5 m	Dark greyish brown (10YR4/2-Moist); ; Loam; Strong grade of structure, Subangular blocky; Very strong consistence;
	0.5 - 0.7 m	Dark greyish brown (10YR4/2-Moist); ; Loam; Strong grade of structure, Subangular blocky; Very strong consistence; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

HOLOCENE ALLUVIUM (GLENESK UNIT)

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 - 0.2	6.1A	0.05A	6.4K	3.9	0.52	0.14	5.8B	16.8J		0.83
0.2 - 0.4	6.6A	0.03A	6.7K	4.2	0.28	0.14	5.5B	16.8J		0.83
0.5 - 0.7	7A	0.05A	6.9K	4.7	0.18	0.24	5.3B	17.3J		1.39

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 - 0.2		2.05D						2	8D	30	32	28
0.2 - 0.4		1.03D						1	6D	40	24	8
0.5 - 0.7		0.97D							13D	31	30	26

[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