Project Name: CAN
Project Code: CAN **Site ID:** CP229 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By: J. Loveday
Locality: West buffer zone tile drain experiment 1:north off Murray Valley Hwy
Date Desc.: 23/08/83
Elevation: No Data
Map Ref.: Sheet No. : 7626 1:100000
Rainfall: 370
Northing/Long.: 143.966666666667
Runoff: Slow
Easting/Lat.: -35.7666666666667
Drainage: Imperfectly drained

Geology

ExposureType: Soil pit
Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Pattern Type: Alluvial plain
Morph. Type: Flat
Relief: No Data
Elem. Type: Plain
Slope Category: Very gently sloped
Slope: 1 %
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Episodic-Endocalcareous Pedal Brown Vertosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Ug5.6
Great Soil Group: Grey clay

Site Disturbance: Cultivation. Irrigated, past or present

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Light clay; 20-50 mm, Subangular blocky; Very firm consistence; Field pH 7.2 (pH meter); Many, very fine (0-1mm) roots;
0.2 - 0.3 m	; Medium heavy clay; 10-20 mm, Subangular blocky; Firm consistence; Field pH 7.5 (pH meter); Many, very fine (0-1mm) roots;
0.3 - 0.45 m	Strong brown (7.5YR5/5-Moist); ; Medium heavy clay; 5-10 mm, Angular blocky; Weak consistence; Field pH 7.6 (pH meter);
0.45 - 0.6 m	Strong brown (7.5YR5/5-Moist); ; Medium heavy clay; , Subangular blocky; , Angular blocky; Weak consistence; Few (2 - 10 %), Calcareous, , ; Field pH 7.7 (pH meter);
0.6 - 6.46 m	Strong brown (7.5YR5/5-Moist); ; Medium heavy clay; , Subangular blocky; , Angular blocky; Weak consistence; Few (2 - 10 %), Calcareous, , ; Field pH 8 (pH meter);

Morphological Notes

Observation Notes

FLUVIATILE SEDIMENTS:CF WITH PROFILE CP204

Site Notes

KERANG

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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	7A	0.56A	8K	9.9	1.5	3.5	10.3B	33.2J		10.54
0.1 - 0.2	7.4A	1.71A								
0.2 - 0.3	7.5A	3.14A	8.2K	18.8	1.8	8.8	5.3B	42.9J		20.51
0.3 - 0.4	7.6A	4.03A	6.7K	19.7	1.8	7.9	4.9B	40.9J		19.32
0.4 - 0.5	7.6A	4.42A								

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		2.06D							6D	27	14	51
0.1 - 0.2		0.8D										
0.2 - 0.3		0.55D							3D	12	16	71
0.3 - 0.4		0.37D							4D	14	14	65
0.4 - 0.5		0.25D										

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										
0.1 - 0.2										
0.2 - 0.3										
0.3 - 0.4										
0.4 - 0.5										

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Laboratory Analyses Completed for this profile

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_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