

Project Name: CAN
Project Code: CAN **Site ID:** C7 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	D.C. van Dijk	Locality:	Near W boundary 12M from road 60M from N boundary
Date Desc.:	13/10/53	Elevation:	150 metres
Map Ref.:	Sheet No. : 8128 1:100000	Rainfall:	410
Northing/Long.:	146.216666666667	Runoff:	Slow
Easting/Lat.:	-34.6	Drainage:	Poorly drained

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Closed Depression	Relief:	No Data
Elem. Type:	Swamp	Slope Category:	Very gently sloped
Slope:	<1 %	Aspect:	270 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Vertic Hypercalcic Red Dermosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Red-brown earth
All necessary analytical data are available.			

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Sod grass, , . *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - Eucalyptus largiflorens

Surface Coarse Fragments:

Profile Morphology

0 - 0.04 m	Greyish brown (2.5Y5/2-Moist); ; Sandy light clay; Weak grade of structure, 20-50 mm, Angular blocky; Firm consistence; Field pH 6.7 (pH meter);
0.13 - 0.22 m	Dark greyish brown (2.5Y4/2-Moist); ; Heavy clay (Light); Weak grade of structure, 200-500 mm, Prismatic; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Field pH 7.5 (pH meter);
0.22 - 0.33 m	Dark greyish brown (2.5Y4/2-Moist); ; Heavy clay (Light); Weak grade of structure, Angular blocky; Weak grade of structure, 50-100 mm, Angular blocky; Very firm consistence; , Ferruginous, , Soft segregations; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 7.9 (pH meter);
0.46 - 0.66 m	Light brownish grey (2.5Y6/3-Moist); ; Medium clay (Heavy); , Lenticular; Weak grade of structure, 50-100 mm, Platy; Firm consistence; , Ferruginous, , Soft segregations; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 8.3 (pH meter);
0.79 - 0.99 m	Light brownish grey (2.5Y6/3-Moist); ; Light medium clay; , Lenticular; Weak grade of structure, 50-100 mm, Platy; Weak consistence; , Ferruginous, , Soft segregations; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 8.5 (pH meter);
1.55 - 1.73 m	Light olive grey (5Y6/2-Moist); , 7.5YR58, 20-50% ; , 20-50% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions; Field pH 8.3 (pH meter);
2.59 - 2.74 m	; Sandy medium clay; Firm consistence; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.3 (pH meter);

Morphological Notes

Observation Notes

TONGUES OF A HORIZON TO ~33CM

Site Notes

WHITTON YANCO

Observation ID: 1

[illegible]

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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_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
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
19A1	Carbonates - rapid titration
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
7_NR	Total nitrogen (%) - Not recorded
9A_HCL	Total element - P(%) - By boiling HCl
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