

Project Name: CAN
Project Code: CAN **Site ID:** C4 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	D.C. van Dijk	Locality:	County Cooper Parish Dallas boundary 1702-1703 160M w homestead
Date Desc.:	01/10/53	Elevation:	150 metres
Map Ref.:	Sheet No. : 8128 1:100000	Rainfall:	410
Northing/Long.:	146.216666666667	Runoff:	Moderately rapid
Easting/Lat.:	-34.6	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Slightly porous, Unconsolidated material (unidentified)

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:	0 %	Aspect:	180 degrees

Surface Soil Condition (dry): Trampled, Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Calcic Subnatric Red Sodosol	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, , Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, , , Quartz

Profile Morphology

A11	0 - 0.04 m	Reddish brown (5YR4/4-Moist); ; Fine sandy medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Moderately moist; Weak consistence; Field pH 6.6 (pH meter); Gradual change to -
A12	0.04 - 0.11 m	Yellowish red (5YR4/5-Moist); ; Fine sandy medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; Field pH 6.9 (pH meter); Gradual change to -
A13	0.11 - 0.15 m	Reddish brown (5YR4/4-Moist); ; Clay loam; Massive grade of structure; Moist; Firm consistence; Field pH 7.1 (pH meter); Sharp change to -
B11	0.15 - 0.24 m	Reddish brown (2.5YR4/4-Moist); ; Heavy clay (Light); Moderate grade of structure, 100-200 mm, Prismatic; Moist; Firm consistence; Field pH 7.8 (pH meter); Gradual change to -
B12	0.24 - 0.38 m	Reddish brown (2.5YR4/4-Moist); ; Heavy clay (Light); Weak grade of structure, 50-100 mm, Angular blocky; Moist; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; , Gypseous, Medium (2 -6 mm), Crystals; Field pH 8.9 (pH meter); Sharp change to -
B21	0.38 - 0.61 m	Yellowish red (5YR4/6-Moist); ; Heavy clay (Light); Weak grade of structure, 50-100 mm, Angular blocky; Moist; Firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; , Gypseous, Coarse (6 - 20 mm), Crystals; Field pH 9.1 (pH meter); Gradual change to -
C11	0.81 - 0.97 m	Yellowish red (5YR5/8-Moist); ; Medium clay (Heavy); Moderately moist; Firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; , Gypseous, Medium (2 -6 mm), Crystals; Field pH 8.6 (pH meter); Sharp change to -
D1	1.52 - 1.68 m	Pale red (2.5YR6/2-Moist); ; Light clay (Heavy); Moderately moist; Very firm consistence; Field pH 9 (pH meter);

Morphological Notes

Observation Notes

WIDGELLI LAND SURFACE BEELBANGERA CLAY LOAM

Site Notes

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WHITTON YANCO

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[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