

Project Name: CAN
Project Code: CAN **Site ID:** C1 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	D.C. van Dijk	Locality:	Cooper County Gogeldrite Parish
Date Desc.:	07/10/53	Elevation:	150 metres
Map Ref.:	Sheet No. : 8128 1:100000	Rainfall:	410
Northing/Long.:	146.333333333333	Runoff:	Moderately rapid
Easting/Lat.:	-34.566666666667	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:	Level plain <9m <1%	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): Firm, Trampled

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: Complete clearing. Pasture, native or improved, but never cultivated

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.03 m	Reddish brown (5YR4/4-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Field pH 6.8 (pH meter); Gradual change to -
A2	0.03 - 0.08 m	Yellowish red (5YR4/6-Moist); ; Clay loam, fine sandy; Weak grade of structure, 50-100 mm, Platy; Moist; Weak consistence; Field pH 6.7 (pH meter); Sharp, Wavy change to -
B11	0.08 - 0.15 m	Dark red (2.5YR3/5-Moist); ; Medium heavy clay; Weak grade of structure, 50-100 mm, Prismatic; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Field pH 7.4 (pH meter); Gradual change to -
B12	0.15 - 0.33 m	Yellowish red (5YR3/5-Moist); ; Heavy clay (Heavy); Weak grade of structure, 50-100 mm, Angular blocky; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Field pH 8.3 (pH meter); Gradual change to -
B13	0.33 - 0.43 m	Yellowish red (5YR4/5-Moist); ; Heavy clay (Heavy); Weak grade of structure, 50-100 mm, Angular blocky; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.9 (pH meter); Gradual change to -
B21	0.48 - 0.58 m	Reddish brown (5YR4/4-Moist); ; Heavy clay; Weak grade of structure, 50-100 mm, Angular blocky; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 9 (pH meter); Gradual change to -
C1	0.69 - 0.86 m	Strong brown (7.5YR5/6-Moist); ; Medium clay (Heavy); Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 8.5 (pH meter); Gradual change to -
C2	0.97 - 1.09 m	Strong brown (7.5YR5/6-Moist); ; Medium clay (Heavy); Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; Few (2 - 10 %), Gypseous, , Crystals; Field pH 8.4 (pH meter); Diffuse change to -

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C3	1.27 - 1.52 m	Brown (7.5YR5/4-Moist); , 7.5YR20, 0-2% ; Medium clay; Massive grade of structure; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; Field pH 8.8 (pH meter); Gradual change to -
D1	1.98 - 2.13 m	; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Field pH 8.6 (pH meter);

Morphological Notes

Observation Notes

WIDGELLI LANDSURFACE WILLBRIGGIE CLAY LOAM

Site Notes

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