

Project Name: CAN
Project Code: CAN **Site ID:** C9 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	D.C. van Dijk	Locality:	County Cooper Parish Gogeldrie
Date Desc.:	14/10/53	Elevation:	150 metres
Map Ref.:	Sheet No. : 8128 1:100000	Rainfall:	410
Northing/Long.:	146.216666666667	Runoff:	Slow
Easting/Lat.:	-34.583333333334	Drainage:	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:	Level
Slope:	<1 %	Aspect:	225 degrees

Surface Soil Condition (dry): Firm, Trampled

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Vertic Subnatic 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, , . *Species includes - None recorded

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A1	0 - 0.03 m	Greyish brown (10YR5/2-Moist); , 10YR62, 20-50% ; , 7.5YR56, 20-50% ; Clay loam; 10-20 mm, Angular blocky; Weak grade of structure, 20-50 mm, Platy; Moderately moist; Firm consistence; 0-2%, angular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 - 6 mm), Soft segregations; Field pH 6.4 (pH meter); Gradual change to -
A2	0.03 - 0.08 m	Yellowish brown (10YR5/4-Moist); ; Clay loam (Heavy); 10-20 mm, Angular blocky; Weak grade of structure, 50-100 mm, Platy; Moderately moist; Very firm consistence; 0-2%, angular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 - 6 mm), Soft segregations; Field pH 7 (pH meter); Gradual, Wavy change to -
B11	0.08 - 0.17 m	Dark reddish brown (5YR3/4-Moist); , 2.5Y52, 2-10% ; , 2-10% ; Heavy clay; 20-50 mm, Angular blocky; Weak grade of structure, 100-200 mm, Prismatic; Moderately moist; Very firm consistence; 0-2%, angular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 7.9 (pH meter); Gradual change to -
B12	0.17 - 0.34 m	Dark reddish brown (5YR3/4-Moist); ; Heavy clay; 10-20 mm, Angular blocky; Weak grade of structure, 50-100 mm, Angular blocky; Moist; Firm consistence; 0-2%, angular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.5 (pH meter); Gradual change to -
B21	0.34 - 0.46 m	Reddish brown (5YR4/4-Moist); ; Heavy clay; 10-20 mm, Angular blocky; Weak grade of structure, 50-100 mm, Angular blocky; Moderately moist; Weak consistence; 0-2%, angular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 - 6 mm), Concretions; Very few (0 - 2 %), Gypseous, Medium (2 - 6 mm), ; Field pH 8.8 (pH meter); Gradual change to -
B22	0.46 - 0.81 m	; Heavy clay; 10-20 mm, Lenticular; Weak grade of structure, 50-100 mm, Platy; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 - 6 mm), Concretions; Very few (0 - 2 %), Gypseous, Medium (2 - 6 mm), ; Field pH 8.9 (pH meter); Gradual change to -
C11	0.89 - 0.97 m	Brown (10YR5/3-Moist); , 5YR44, 20-50% ; , 20-50% ; Medium clay; Moist; Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Few (2 - 10 %), Gypseous, Medium (2 - 6 mm), ; Field pH 9 (pH meter); Gradual change to -

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D11	1.24 - 1.37 m	; Medium clay; Moist; Very weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Common (10 - 20 %), Calcareous, , Concretions; Few (2 - 10 %), Gypseous, Medium (2 -6 mm), ; Field pH 8.9 (pH meter); Gradual change to -
D12	1.83 - 1.91 m	Greyish brown (2.5Y5/3-Moist); ; Medium clay; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.9 (pH meter); Gradual change to -
D21	2.51 - 2.62 m	Grey (2.5Y5/0-Moist); ; Medium clay; Moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.1 (pH meter);

Morphological Notes

Observation Notes

MUNDIWA CLAY LOAM PARNA

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