Project Name: Project Code: Agency Name:	CA CA CS	N	Site ID: n of Soils (N	C120 SW)	0	bservatio	n ID:	1	
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	H.M. 25/04 Sheet 144.7	Churchwood /55 t No. : 7827 666666666667 1666666666666		Elevation:120 metresRainfall:410Runoff:Slow			d County Parish Morago portion 60 swamp res ly well drained		
<u>Geology</u> ExposureType: Geol. Ref.:	No Da No D				Conf. Sub. is Parent. Mat.: No Data Substrate Material: Porous, Unconsolida (unidentified)				
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope: Surface Soil Co	Close Swar <1 %	ed Depression np		Pattern Ty Relief: Slope Cate Aspect:		Flood pla No Data Level 125 degre			
Erosion:	manne	<u>, , , , , , , , , , , , , , , , , , , </u>	arabetting						
Soil Classificat	ion								
Australian Soil C Epicalcareous-Enc ASC Confidence All necessary ana	dohype :	ersodic Epiped	-	ol	Princi	ng Unit: pal Profile Soil Group		N/A N/A Grey clay	
Site Disturbance Vegetation: Surface Coarse			urbance. Natura	al					
Profile Morphol									
0 - 0.08 r	m		stence; Very fe					10-20 mm, Subangular blocky nm), Concretions; Field pH	<i>r</i> ;
0.08 - 0.1	15 m	structure, 20 coated, dist	0-500 mm, Pris	smatic; Strong (10 - 20 %), 0	g consis	tence; Few	cutans,	blocky; Strong grade of <10% of ped faces or walls nm), Concretions; Field pH 9	
0.15 - 0.2	28 m	Strong cons fragments; V	sistence; 0-2%,	fine gravelly %), Ferrugino	, 2-6mm us, Med	i, subround lium (2 -6 m	ed, disp nm), Noo	cture, 200-500 mm, Prismatic ersed, Ironstone, coarse Jules; Common (10 - 20 %), er);	;
0.28 - 0.4	46 m	consistence; Few cutans,	0-2%, fine gra <10% of ped fa 6 mm), Nodules	velly, 2-6mm aces or walls	, subrou coated,	nded, dispe distinct; Ve	ersed, Ir ery few (	cture, 50-100 mm; Firm onstone, coarse fragments; 0 - 2 %), Ferruginous, dium (2 -6 mm), Concretions;	
0.46 - 0.6	69 m	Very firm con fragments; F Ferruginous,	nsistence; 0-2% ew cutans, <10	6, fine gravell 0% of ped fac mm), Nodule	y, 2-6m es or wa	m, subroun alls coated,	ded, dis distinct;	of structure, 50-100mm, Platy persed, Ironstone, coarse Very few (0 - 2 %), ous, Medium (2 -6mm),	. ,
0.76 - 0.8	89 m				of structure, 50-100 mm, Platy s; Field pH 8.5 (pH meter);	,			
1.02 - 1.1	17 m		ence; Very few	loist); ; Medium heavy clay; Weak grade of structure, 50-100 mm, Pl v (0 - 2 %), Calcareous, , Concretions; Field pH 8.1 (pH meter);					
1.4 - 1.52	2 m	dispersed, Ir		e fragments;	Very fev	N (0 - 2 %),	Ferrugi	2-6mm, subrounded, nous, Medium (2 -6 mm), 9 (pH meter);	

Project Name:	CAN			
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Agency Name:	CSIRO Divis	sion of Soils (N	ISW)	

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1.68 - 1.83 m ; Medium heavy clay; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Ironstone, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.1 (pH meter);

## Morphological Notes

Observation Notes PLEISTOCENE RIVERINE AND AEOLIAN DEPOSITS WUNNAMURRA CLAY Site Notes DENIMEIN

Project Name:	CAN				
Project Code:	CAN	Site ID:	C120	Observation ID:	1
Agency Name:	CSIRO D	ivision of Soils (N	SW)		

## Laboratory Test Results:

Depth	рН	1:5 EC C		angeable (	Cations K	Na	Exchangeable	CEC		ECEC		ESP
m		dS/m	a w	ſg	ĸ	Cmol (	Acidity +)/kg					%
0 - 0.08	8.3A	0.176A										
0.08 - 0.15	9A	0.19A										
0.15 - 0.28	9.1A	0.315A										
0.28 - 0.46	9A	0.518A										
0.46 - 0.69	8.7A	1.08A										
0.76 - 0.89	8.5A	1.43A										
1.02 - 1.17	8.2A	1.55A										
1.4 - 1.52	7.9A	1.49A										
1.68 - 1.83	8.1A	1.51A										
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K		P: GV	article CS	Size FS	Analys Silt	
m	%	%	mg/kg	%	%	%		01	00	%	on	Clay
0 - 0.08		1.22D		0.05D	0.12	25B			12D	19	9 17	<b>7</b> 52
0.08 - 0.15		0.42D		0.042D	0.05	58B			8D	10	5 14	62
0.15 - 0.28									8D	16	5 14	62
0.28 - 0.46									9D	10	5 12	2 63
0.46 - 0.69									8D	10	5 18	3 58

0.28 - 0.46 0.46 - 0.69 0.76 - 0.89 1.02 - 1.17 1.4 - 1.52 1.68 - 1.83

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	3			mm/h	mm/h

6D

6D 7D 7D

16

18 19 20

19

18 17

16

59

58 57

59

0 - 0.08 0.08 - 0.15 0.15 - 0.28 0.28 - 0.46 0.46 - 0.69 0.46 - 0.69 0.76 - 0.89 1.02 - 1.17 1.4 - 1.52 1.68 - 1.83

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## Observation ID: 1

## Laboratory Analyses Completed for this profile

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
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