

Project Name: MUR
Project Code: MUR **Site ID:** C106 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	About the centre hundred of Danberry.
Date Desc.:	13/10/53	Elevation:	76 metres
Map Ref.:	Sheet No. : 7826 1:100000	Rainfall:	0
Northing/Long.:	144.5	Runoff:	Slow
Easting/Lat.:	-35.5	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:	No Data	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	N/A
		Great Soil Group:	Grey clay

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.03 m	Greyish brown (2.5Y5/2-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Platy; Moderately moist; Very weak consistence; Few (2 - 10 %), Calcareous, , Concretions;
A12	0.03 - 0.13 m	Pale olive (5Y6/3-Moist); , 5Y62; Medium clay (Heavy); Moderate grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, 2-5 mm, Angular blocky; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, , Concretions;
B11	0.13 - 0.25 m	Pale olive (5Y6/3-Moist); , 5Y41; Heavy clay (Light); Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, , Concretions;
B12	0.25 - 0.38 m	Light brownish grey (2.5Y6/2-Moist); , 5Y52; Heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, , Concretions;
B13	0.48 - 0.6 m	Light olive grey (5Y6/2-Moist); , 5Y41; , 10YR85; Heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions;
D11	0.68 - 0.84 m	Olive grey (5Y4/2-Moist); , 10YR85; Heavy clay; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, , Concretions;
D12	0.99 - 1.18 m	Pale yellow (5Y7/3-Moist); , 5Y52; Heavy clay; Moist; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions;
D13	1.27 - 1.44 m	Olive grey (5Y5/2-Moist); , 5Y63; Heavy clay (Light); Moist; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions;
D21	1.52 - 1.67 m	Light olive grey (5Y6/2-Moist); , 2.5Y76; Medium clay; Moist; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions;
D22	1.67 - 1.97 m	Light olive grey (5Y6/2-Moist); , 10YR78; , 2.5Y30; Moist; Very firm consistence; Very few (0 - 2 %), Calcareous, , Concretions;

Morphological Notes

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Observation Notes

WUNNERMURRA CLAY; SEE ORIGINAL FOR MORE DETAIL:

Site Notes

WAKOOL

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		
						Cmol (+)/kg			%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		

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			mm/h	mm/h

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Laboratory Analyses Completed for this profile