Project Name: MUR
Project Code: MUR **Site ID:** C102 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By: H.M. Churchwood
Locality: Whymoul Hnd. Por. 41; Towards south-east cnr next to Barham-DeniliquinRd.
Date Desc.: 08/10/53
Elevation: 76 metres
Map Ref.: Sheet No. : 7826 1:100000
Rainfall: 330
Northing/Long.: 144.5
Runoff: Very 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: Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: No Data
Pattern Type: Alluvial plain
Morph. Type: No Data
Relief: No Data
Elem. Type: No Data
Slope Category: No Data
Slope: 0 %
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Gn3
Great Soil Group: Grey clay

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.05 m	White (5Y8/1-Dry); , 2.5Y52; Clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Platy; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Gradual, Wavy change to -
B11	0.1 - 0.25 m	Dark greyish brown (2.5Y4/2-Dry); , 2.5Y62; Medium clay (Light); Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 20-50 mm, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Gradual change to -
B12	0.25 - 0.43 m	Light brownish grey (2.5Y6/2-Dry); , 10YR43; Medium clay (Light); Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Gradual change to -
B21	0.5 - 0.64 m	Olive grey (5Y5/2-Dry); ; Medium clay (Light); Strong grade of structure, 50-100 mm, Lenticular; Moist; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Gradual change to -
D11	0.71 - 0.84 m	Grey (5Y5/1-Dry); , 5Y63; , 10YR68; Heavy clay (Light); Strong grade of structure, 20-50 mm, Lenticular; Moist; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions;
	0.84 - 1.02 m	Light yellowish brown (2.5Y6/4-Dry); , 5Y42; , 10YR68; Light clay; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions;
	1.02 - 1.24 m	Light grey (5Y7/2-Dry); , 2.5Y68; , 5Y31; Light clay; Firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions;
	1.42 - 1.68 m	Pale yellow (2.5Y8/4-Dry); , 10YR78; , 10YR51; Light clay; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions;
	1.83 - 2.03 m	Light olive grey (5Y6/2-Dry); , 10YR64; , 10YR54; Fine sandy clay loam; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Soft segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions;

Morphological Notes

Observation Notes

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Site Notes
WAKOOL SHIRE

TULLA CLAY LOAM

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Laboratory Test Results:

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

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