

Project Name: MUR
Project Code: MUR **Site ID:** C103 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:	H.M. Churchwood	Locality:	Whymoul Hnd Lot.23:
Date Desc.:	08/10/53	Elevation:	76 metres
Map Ref.:	Sheet No. : 7826 1:100000	Rainfall:	33
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:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	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	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dd2.13
		Great Soil Group:	Grey clay

Site Disturbance:

Vegetation: Low Strata - , , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.02 m	Reddish grey (5YR5/2-Moist); , 2.5Y72; , 5Y81; Sandy clay loam (Light); Weak grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence;
B1	0.02 - 0.08 m	Dark olive grey (5Y3/2-Moist); , 10YR31; , 5Y31; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Subangular blocky; Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Gradual, Wavy change to -
B21	0.15 - 0.25 m	Dark greyish brown (2.5Y4/2-Moist); , 2.5Y62; Medium clay (Light); Moderate grade of structure, 5-10 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Angular blocky; Moderately moist; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Gradual change to -
B22	0.33 - 0.48 m	Pale yellow (5Y7/3-Moist); , 10YR74; , 5Y41; Medium clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Gradual change to -
D11	0.53 - 0.66 m	Light olive grey (5Y6/2-Moist); , 10YR78; , 2.5Y74; Medium clay; Massive grade of structure; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Concretions; Gradual change to -
D12	0.74 - 0.89 m	Pale olive (5Y6/3-Moist); , 10YR76; , 2.5Y30; Medium clay (Light); Massive grade of structure; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Gradual change to -
D13	1.14 - 1.35 m	Pale olive (5Y6/3-Moist); , 10YR76; , 2.5Y30; Medium clay (Light); Moderately moist; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; Gradual change to -
D21	1.45 - 1.63 m	Pale olive (5Y6/3-Moist); , 10YR76; , 2.5Y30; Medium clay; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions; Gradual change to -
D22	1.78 - 1.98 m	Pale olive (5Y6/3-Moist); , 7.5YR78; , 2.5Y30; Medium clay; Moderately moist; Firm consistence; Few (2 - 10 %), Ferruginous, , Concretions;

Morphological Notes

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TILGA SANDY CLAY LOAM:

Site Notes

WAKOOL SHIRE

Observation Notes

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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