

Project Name: MUR
Project Code: MUR **Site ID:** C105 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	Portion 41 Hnd of Whymoul; Middle of northern part about 40m E of Barham.
Date Desc.:	12/10/53	Elevation:	76 metres
Map Ref.:	Sheet No. : 7826 1:100000	Rainfall:	330
Northing/Long.:	144.5	Runoff:	Moderately rapid
Easting/Lat.:	-35.5	Drainage:	Poorly drained

Geology

Exposure Type:	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:	No Data
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:	N/A
		Great Soil Group:	Solodized solonetz

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.02 m	Brown (10YR5/3-Moist); ; Sand; Weak grade of structure, 2-5 mm, Platy; Moderately moist; Weak consistence;
A11	0.02 - 0.32 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence;
A2	- m	Very pale brown (10YR7/3-Moist); ; Sand; Single grain grade of structure; Moderately moist; Very weak consistence;
B11	0.15 - 0.2 m	Brownish yellow (10YR6/6-Moist); , 2.5YR60; , 10YR73; Sandy medium clay; Strong grade of structure, 100-200 mm, Columnar; Moderately moist; Firm consistence;
B12	0.2 - 0.3 m	Light yellowish brown (10YR6/4-Moist); , 10YR66; , 5Y52; Sandy medium clay (Heavy); Strong grade of structure, 100-200 mm, Columnar; Moist; Firm consistence;
B13	0.35 - 0.43 m	Light brownish grey (2.5Y6/2-Moist); , 10YR42; Sandy medium clay; Weak grade of structure, 50-100 mm, Prismatic; Moist; Firm consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions;
B14	0.48 - 0.58 m	Light olive grey (5Y6/2-Moist); , 5Y73; , 5Y32; Sandy medium clay; Weak grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions;
B21	0.63 - 0.73 m	White (5Y8/1-Moist); , 10YR78; , 5YR84; Clay loam, sandy; Weak grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Moist; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;
B22	0.76 - 0.89 m	Yellow (10YR7/8-Moist); , 5Y62; Clay loam, fine sandy; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions;
B23	0.91 - 1.04 m	Brownish yellow (10YR6/6-Moist); , 10YR76; , 2.5Y85; Sandy medium clay; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions; Many (20 - 50 %), Calcareous, , Concretions;
D11	1.27 - 1.42 m	Yellow (2.5Y8/5-Moist); , 10YR78; , 5Y58; Clay loam, fine sandy; Moderately moist; Firm consistence; Common (10 - 20 %), Calcareous, , Concretions;

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D12	1.52 - 1.67 m	Yellowish red (5YR5/8-Moist); , 5Y62; , 2.5Y64; Light clay (Light); Moderately moist; Weak consistence; Very few (0 - 2 %), Manganiferous, , Concretions; Few (2 - 10 %), Calcareous, , Concretions;
D13	1.7 - 1.85 m	Light olive grey (5Y6/2-Moist); , 10YR68; Light clay (Heavy); Moderately moist; Weak consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions;
D14	1.87 - 2 m	Light olive grey (5Y6/2-Moist); , 5YR58; , 2.5Y76; Light clay (Heavy); Moderately moist; Weak consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions; Common (10 - 20 %), Calcareous, , Concretions;
D21	2.13 - 2.31 m	Light grey (5Y7/2-Moist); , 7.5YR88; , 10YR82; Medium clay; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
D22	2.46 - 2.64 m	Light grey (5Y7/2-Moist); , 7.5YR58; , 7.5YR30; Medium clay (Heavy); Moderately moist; Weak consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Few (2 - 10 %), Calcareous, , Concretions;

Morphological Notes

Observation Notes

WHYMOUL SAND:

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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile