

Project Name: MUR
Project Code: MUR **Site ID:** C110 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	40m W of east bndry towards NE cnr, Portion 2 Hundred of Whymoul:
Date Desc.:	15/10/53	Elevation:	76 metres
Map Ref.:	Sheet No. : 7826 1:100000	Rainfall:	350
Northing/Long.:	144.5	Runoff:	Rapid
Easting/Lat.:	-35.5	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Sand

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Sand plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Dunecrest	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:	Solonized brown soil

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Reddish brown (5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;
A12	0.05 - 0.1 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;
B11	0.1 - 0.18 m	Dark red (2.5YR3/5-Moist); ; Sandy light clay; Weak grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;
B21	0.18 - 0.23 m	Dark yellowish brown (10YR3/5-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, ,
B22	0.28 - 0.41 m	Very pale brown (10YR8/4-Moist); ; Light clay (Light); Moderate grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Weak consistence; Many (20 - 50 %), Calcareous, , Concretions;
B23	0.45 - 0.58 m	Very pale brown (10YR8/4-Moist); ; Light clay (Light); Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Weak consistence; Many (20 - 50 %), Calcareous, , Concretions;
C1	0.58 - 0.71 m	Reddish yellow (7.5YR7/6-Moist); ; Sandy light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Weak consistence; Common (10 - 20 %), Calcareous, , Concretions;
C2	0.71 - 0.86 m	Reddish yellow (7.5YR7/6-Moist); ; Sandy light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Weak consistence; Common (10 - 20 %), Calcareous, , Concretions;
C3	0.93 - 1.06 m	Reddish yellow (7.5YR6/6-Moist); ; Sandy light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
D11	1.32 - 1.62 m	Reddish yellow (7.5YR6/8-Moist); ; Sandy clay loam (Heavy); Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions;

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D12	1.87 - 2.05 m	Reddish yellow (7.5YR6/8-Moist); ; Sandy medium clay; Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Concretions;
D13	2.38 - 2.76 m	Reddish yellow (7.5YR7/8-Moist); ; Clay loam, sandy; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Concretions;
D21	3.17 - 3.53 m	Reddish yellow (7.5YR6/8-Moist); ; Clay loam, sandy; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;
D22	3.63 - 3.93 m	Red (2.5YR5/8-Moist); , 5Y82; Sandy medium clay; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;
D23	4.32 - 4.59 m	Red (10R4/8-Moist); , 5Y82; , 2.5Y78; Sandy medium clay; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;

Morphological Notes

Observation Notes

WETUPPA SANDY LOAM:

Site Notes

WAKOOL SHIRE

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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