

Project Name: MUR
Project Code: MUR **Site ID:** C108 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	90m from west bndry, 20m Sof Thule Rd, Portion 13 Hundred of Whymoul
Date Desc.:	14/10/53	Elevation:	76 metres
Map Ref.:	Sheet No. : 7826 1:100000	Rainfall:	355
Northing/Long.:	144.5	Runoff:	Rapid
Easting/Lat.:	-35.5	Drainage:	Well drained

Geology

Exposure Type:	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:	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:	Red-brown earth

Site Disturbance:

Vegetation:

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.12 m	Yellowish brown (10YR5/4-Moist); ; Loam; Weak grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;
B11	0.13 - 0.17 m	Dark red (10R3/6-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Weak consistence;
B12	0.17 - 0.27 m	Red (2.5YR5/6-Moist); ; Medium clay; Moderate grade of structure, 100-200 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Weak consistence;
B21	0.33 - 0.48 m	Yellowish brown (10YR5/6-Moist); , 10YR76; Medium clay (Light); Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Weak consistence; Common (10 - 20 %), Calcareous, , Concretions;
D11	0.53 - 0.63 m	Pale yellow (2.5Y7/4-Moist); , 2.5YR58; , 5Y72; Sandy light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
D12	0.73 - 0.83 m	Pale yellow (2.5Y7/4-Moist); , 2.5Y46; Sandy light medium clay; Weak grade of structure, 5-10 mm, Subangular blocky; Moist; Weak consistence;
D13	0.88 - 1.04 m	Pale yellow (2.5Y7/4-Moist); , 2.5YR66; , 5Y72; Sandy light medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence;
D21	1.21 - 1.42 m	White (5Y8/2-Moist); , 5Y72; , 7.5YR68; Sandy light medium clay; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations;
D22	1.52 - 1.72 m	White (5Y8/2-Moist); , 10YR78; , 5YR36; Light clay; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, , Concretions;
D23	1.82 - 2.03 m	Light grey (5Y7/2-Moist); , 10YR68; , 2.5YR68; Medium clay (Light); Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, , Concretions;

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D24	2.1 - 2.43 m	Pale yellow (5Y7/3-Moist); , 10YR68; Sandy light medium clay; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;
D25	2.64 - 3.04 m	Yellow (5Y7/8-Moist); , 10YR78; Sandy light medium clay (Light); Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

WOMBOOTA LOAM:

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