

**Project Name:** MUR  
**Project Code:** MUR      **Site ID:** C101      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	H.M. Churchwood	<b>Locality:</b>	Whymoul Hnd. Por. 23; near middle 160m from east boundry 260m from south boundry.
<b>Date Desc.:</b>	07/10/53	<b>Elevation:</b>	76 metres
<b>Map Ref.:</b>	Sheet No. : 7826    1:100000	<b>Rainfall:</b>	330
<b>Northing/Long.:</b>	144.5	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-35.5	<b>Drainage:</b>	Poorly drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Clay

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Ug5.31
		<b>Great Soil Group:</b>	Grey clay

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

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

**Surface Coarse Fragments:**

**Profile Morphology**

A	0 - 0.02 m	Black (5Y2/2-Dry); , 5Y63; Light clay; Weak grade of structure, 2-5 mm, Platy; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Concretions;
B11	0.02 - 0.15 m	Yellow (10YR8/6-Dry); , 5Y51; , 5Y84; Medium clay (Light); Weak grade of structure, 10-20 mm, Subangular blocky; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Soft segregations;
B12	0.23 - 0.36 m	Pale yellow (5Y7/3-Dry); , 5Y51; , 2.5YR68; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Weak grade of structure, 20-50 mm, Prismatic; Moist; Weak consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Soft segregations;
B21	0.45 - 0.61 m	Yellow (10YR7/8-Dry); , 5Y63; , 5Y51; Medium clay; 10-20 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Prismatic; Moist; Firm consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions;
D11	0.69 - 0.81 m	Pale yellow (5Y7/4-Dry); , 5Y32; , 5Y63; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Moist; Firm consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions;
D12	0.91 - 1.12 m	Light olive grey (5Y6/2-Dry); , 2.5Y30; , 7.5YR58; Medium clay (Heavy); Moist; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions;
D21	1.29 - 1.47 m	Pale yellow (5Y7/3-Dry); , 5Y33; , 2.5Y30; Medium clay (Heavy); Moist; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions;
D21	1.62 - 1.78 m	Pale olive (5Y6/3-Dry); , 2.5Y30; , 10YR68; Heavy clay (Light); Moist; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions;
D22	1.85 - 2.01 m	Brownish yellow (10YR6/8-Dry); , Heavy clay (Light); Moist; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions;

**Morphological Notes**

**Observation Notes**

WUNNAMURRA CLAY NO SELF MULCHING:

**Site Notes**

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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	15 Bar		
m					g/g - m3/m3				mm/h	mm/h

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Laboratory Analyses Completed for this profile