

Project Name: MUR
Project Code: MUR **Site ID:** C128 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	1km Sof N bndry, 2km W of E bndry portion 16 parish of Bynuce.
Date Desc.:	26/10/56	Elevation:	61 metres
Map Ref.:		Rainfall:	305
Northing/Long.:		Runoff:	Very rapid
Easting/Lat.:		Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Clay

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Dunefield
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Dune	Slope Category:	No Data
Slope:	5 %	Aspect:	180 degrees

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:	No suitable group

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.06 m	Brown (7.5YR4/4-Moist); ; Loam; Weak grade of structure, 5-10 mm, Platy; Weak grade of structure, 2-5 mm, Subangular blocky; Weak consistence; Clear change to -
0.16 - 0.25 m	Brown (7.5YR5/4-Moist); ; Sandy light clay; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; Gradual change to -
0.28 - 0.36 m	Yellowish red (5YR5/6-Moist); ; Fine sandy light clay; Weak grade of structure, 10-20 mm, Angular blocky; Very weak consistence; Many (20 - 50 %), Calcareous, Very coarse (20 - 60 mm), Concretions;
0.36 - 0.46 m	Reddish yellow (5YR6/8-Moist); ; Fine sandy medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions;
0.51 - 0.56 m	Reddish yellow (5YR6/8-Moist); ; 5YR46; Fine sandy medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions; Gradual change to -
0.66 - 0.76 m	Red (2.5YR4/8-Moist); , 5YR58; , 2.5YR58; Fine sandy medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Weak consistence; Common (10 - 20 %), Calcareous, Very coarse (20 - 60 mm), Concretions;
0.89 - 0.99 m	Red (2.5YR4/8-Moist); , 2.5Y74; , 2.5YR58; Sandy medium clay; Very strong consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Clear change to -
1.09 - 1.22 m	Red (2.5YR4/8-Moist); , 2.5Y74; , 2.5YR58; Sandy medium clay (Heavy); Weak grade of structure, 10-20 mm, Angular blocky; Very strong consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions;
1.42 - 1.63 m	Red (2.5YR4/8-Moist); , 2.5Y74; , 2.5YR58; Fine sandy light clay; Very weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions;
1.85 - 2.01 m	Red (2.5YR5/8-Moist); , 2.5Y74; , 2.5YR48; Medium clay; Very weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Gradual change to -
2.44 - 2.64 m	Red (2.5YR5/8-Moist); , 2.5Y74; , 2.5YR48; Medium clay; Very weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions;

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2.9 - 3.2 m Red (10R4/6-Moist); ; Medium clay (Heavy); Strong grade of structure, 10-20 mm, Angular blocky;
Very weak consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions;

3.48 - 3.81 m Red (10R4/6-Moist); , 10R58; , 2.5Y72; Heavy clay; Strong grade of structure, 10-20 mm, Angular
blocky; Very weak consistence;

Morphological Notes

Observation Notes

SEE ORIGINAL PROFILE DESCRIPTION FOR MORE DETAIL:

Site Notes

MURRAKOOL

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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