

Project Name: MUR
Project Code: MUR **Site ID:** C130 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	560m S of N bndry, 2km W of E bndry portion 16 parish of Bynuce.
Date Desc.:	27/10/56	Elevation:	61 metres
Map Ref.:		Rainfall:	305
Northing/Long.:		Runoff:	Very rapid
Easting/Lat.:		Drainage:	Well drained

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:	Crest	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:	Red-brown earth

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.075 m	Yellowish brown (10YR5/4-Moist); ; Sand; Single grain grade of structure; Very weak consistence;
0.075 - 0.15 m	Yellowish red (5YR4/8-Moist); ; Sand; Single grain grade of structure; Weak consistence; Clear change to -
0.15 - 0.24 m	Strong brown (7.5YR5/6-Moist); ; Sand; Single grain grade of structure; Weak consistence; Abrupt change to -
0.24 - 0.29 m	Yellowish red (5YR5/6-Moist); , 5YR58; Sandy clay loam; Weak grade of structure, 20-50 mm, Angular blocky; Firm consistence; Gradual change to -
0.3 - 0.41 m	Yellowish red (5YR5/8-Moist); ; Sandy light clay; Weak grade of structure, 20-50 mm, Angular blocky; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Clear change to -
0.41 - 0.51 m	Reddish yellow (7.5YR6/6-Moist); ; Sandy light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Clear change to -
0.51 - 0.61 m	Yellowish red (5YR5/6-Moist); , 5Y58; Sandy clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Clear change to -
0.61 - 0.76 m	Yellowish red (5YR5/8-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Abrupt change to -
0.76 - 0.86 m	Yellowish red (5YR5/8-Moist); , 10YR62, 2-10% ; , 2-10% ; Sandy clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Abrupt change to -
0.86 - 0.98 m	Yellowish red (5YR5/8-Moist); , 5YR68, 2-10% ; , 10YR62, 2-10% ; Loam; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; Calcrete, Weakly cemented, Massive; Clear change to -
0.98 - 1.08 m	Yellowish red (5YR5/8-Moist); , 10YR54, 2-10% ; , 10YR62, 2-10% ; Loam; Moderate grade of structure, 10-20 mm, Angular blocky; Firm consistence; Calcrete, Weakly cemented, Massive; Clear change to -

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|---------------|---|
| 1.08 - 1.27 m | Yellowish red (5YR5/8-Moist); , 7.5YR6/6; , 10YR6/4; Sandy light clay (Heavy); Weak grade of structure, 20-50 mm, Angular blocky; Firm consistence; Calcrete, Moderately cemented, Massive; Clear change to - |
| 1.37 - 1.47 m | Red (2.5YR4/6-Moist); , 10YR6/2, 2-10% ; , 2-10% ; Sandy medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Firm consistence; Calcrete, Weakly cemented, Massive; |
| 1.9 - 2.16 m | Reddish yellow (5YR6/8-Moist); ; Sandy medium clay; Weak consistence; Calcrete, Weakly cemented, Massive; Diffuse change to - |
| 2.39 - 2.64 m | Red (2.5YR5/8-Moist); ; Sandy light clay (Light); Very weak consistence; Calcrete, Weakly cemented, Massive; |
| 2.79 - 2.92 m | Red (2.5YR5/8-Moist); ; Sandy clay loam; Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Calcrete, Weakly cemented, Massive; |
| 3.3 - 3.45 m | Red (10R4/6-Moist); ; Sandy loam; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Clear change to - |
| 3.45 - 3.58 m | Red (10R4/6-Moist); ; Sandy light clay; Weak consistence; Few (2 - 10 %), Calcareous, Extremely coarse (> 60 mm), Concretions; Calcrete, Weakly cemented, Massive; |
| 3.94 - 4.24 m | Red (2.5YR4/8-Moist); , 2.5Y8/4, 2-10% ; , 2-10% ; Sandy loam; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; |

Morphological Notes

Observation Notes

SEE ORIGINAL 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