

Project Name: MUR
Project Code: MUR **Site ID:** C127 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	900m S of N bdry, 2km W of W bdry portion 16 parish of Bynuce.
Date Desc.:	25/10/56	Elevation:	61 metres
Map Ref.:		Rainfall:	305
Northing/Long.:		Runoff:	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:	Mid-slope	Relief:	No Data
Elem. Type:	Dune	Slope Category:	No Data
Slope:	5 %	Aspect:	0 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:	Red-brown earth

Site Disturbance:

Vegetation:

Tall Strata - Tree mallee, 3.01-6m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

Ap	0 - 0.13 m	Yellowish red (5YR5/8-Moist); Mechanical, 5YR46; Mechanical; Sand; Weak grade of structure, 50-100 mm, Angular blocky; Weak grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very weak consistence; Abrupt change to -
A	0.13 - 0.23 m	Yellowish red (5YR5/8-Moist); ; Sand; Massive grade of structure; Moist; Very weak consistence; Diffuse change to -
	0.28 - 0.38 m	Reddish yellow (5YR6/8-Moist); ; Sand; Massive grade of structure; Very weak consistence;
B1	0.39 - 0.43 m	Red (2.5YR5/8-Moist); ; Sandy clay loam; Moderate grade of structure, 50-100 mm, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Diffuse change to -
Bk	0.48 - 0.56 m	Reddish yellow (5YR6/8-Moist); , 5YR58; , 10YR66; Sandy clay loam; Massive grade of structure; Moderately moist; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 - 6 mm), Soft segregations;
Bk	0.61 - 0.71 m	Reddish yellow (5YR6/8-Moist); , 5YR58; , 10YR66; Sandy medium clay; Massive grade of structure; Moderately moist; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations;
	0.76 - 0.84 m	Yellowish red (5YR5/8-Moist); , 2.5YR48; Sandy medium clay; Massive grade of structure; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Diffuse change to -
	0.89 - 0.99 m	Yellowish red (5YR5/8-Moist); , 2.5YR48; Sandy medium clay; Massive grade of structure; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Diffuse change to -
	1.09 - 1.22 m	Red (2.5YR4/8-Moist); , 5YR58; , 2.5YR72; Clay loam (Heavy); Massive grade of structure; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Soft segregations; Diffuse change to -
	1.22 - 1.37 m	Red (2.5YR4/8-Moist); , 5YR58; , 2.5YR72; Clay loam (Heavy); Massive grade of structure; Firm consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions; Abrupt change to -

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1.4 - 1.5 m	Reddish yellow (7.5YR7/8-Moist); ; Sandy medium clay; Massive grade of structure; Very strong consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions; Gradual change to -
1.6 - 1.7 m	Yellowish red (5YR5/8-Moist); , 7.5YR78; Sandy medium clay; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Concretions;
2.03 - 2.31 m	Red (2.5YR4/8-Moist); ; Sandy medium clay (Heavy); Firm consistence; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Concretions; Abrupt change to -
2.34 - 2.39 m	Reddish yellow (7.5YR7/8-Moist); ; Sandy medium clay; Very strong consistence; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Concretions; Abrupt change to -
2.84 - 3.05 m	Red (2.5YR4/8-Moist); , 10YR73; Sandy medium clay; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Concretions;
3.1 - 3.2 m	Red (2.5YR4/8-Moist); , 10YR73; Fine sandy medium clay; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions;
4.06 - 4.27 m	Red (10R4/8-Moist); , 10R58; , 5YR84; Sandy medium clay; 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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile