

Project Name: MUR
Project Code: MUR **Site ID:** C129 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	1.2km S of N bdy, 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:	Moderately rapid
Easting/Lat.:		Drainage:	Imperfectly 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:	Open depression (vale)	Relief:	No Data
Elem. Type:	Swale	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

Ap	0 - 0.1 m	Yellowish red (5YR4/6-Moist); ; Loamy sand; Weak grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, 10-20 mm, Angular blocky;
A	0.15 - 0.2 m	Red (2.5YR4/8-Moist); ; Loamy sand; Massive grade of structure; Abrupt change to -
B1	0.23 - 0.3 m	Red (2.5YR4/6-Moist); ; 2.5YR58; Sandy medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Clear change to -
Bk	0.33 - 0.41 m	Red (2.5YR4/6-Moist); ; 2.5YR68; ; 5YR46; Fine sandy medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Few (2 - 10 %), Calcareous, , Soft segregations;
	0.41 - 0.48 m	Red (2.5YR4/6-Moist); ; 2.5YR68; ; 5YR46; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Few (2 - 10 %), Calcareous, , Soft segregations; Clear change to -
	0.53 - 0.61 m	Red (2.5YR4/8-Moist); ; 5YR54; ; 5YR68; Sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky;
	0.61 - 0.76 m	Red (2.5YR4/8-Moist); ; 5YR58; ; 2.5YR68; Sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Concretions;
	0.94 - 1.12 m	Red (2.5YR4/8-Moist); ; 2.5Y84; Sandy clay loam; Massive grade of structure; Many (20 - 50 %), Calcareous, Medium (2 -6 mm), Concretions; Clear change to -
	1.3 - 1.42 m	Red (10R4/8-Moist); ; Fine sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions;
	2.24 - 2.49 m	Red (10R4/6-Moist); ; 10YR73; ; 10YR63; Fine sandy medium clay (Heavy); Moderate grade of structure, 10-20 mm, Angular blocky;

Morphological Notes

Observation Notes

SEE ORIGINAL PROFILE DESCRIPTION FOR MORE DETIAL:

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