Project Name:	BAGO-MARA	RVEY		
Project Code:	BGM_FSS	Site ID:	0086	Observation ID:
Agency Name:	CSIRO Divisio			

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Site Information

Desc. Date D Map R Northi Eastin Geolo	esc.: ef.: ng/Long.: g/Lat.: <u>eqv</u> ureType:	P. Ryan 14/03/96 Sheet No. : 8526 DGPS 6047649 AMG zone: 55 614565 Datum: AGD66 No Data Tb	Locality: Elevation: Rainfall: Runoff: Drainage: Conf. Sub. is Pare Substrate Materia		ble			
Land Rel/Slo Morph Elem. Slope:	Form ope Class: . Type: Type:	No Data Lower-slope Hillslope 36 %	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data No Data 270 degrees				
<u>Surfac</u>	ce Soil Co	ndition (dry): Soft						
Erosio								
	lassificati				N1/A			
Australian Soil Classification: Mapping Unit: N/A Haplic Mesotrophic Red Ferrosol Medium Slightly gravelly Principal Profile Form: Um6.13 Clay-loamy Clayey Very deep Very deep Very deep								
ASC C	Confidence	:	Great	Soil Group:	Krasnozem			
		lytical data are available. e: No effective disturbance other the second sec	than arazina by boofe	ad animals				
	ation:	C. NO effective disturbance other	than grazing by hoore	a animais				
		Fragments:						
	e Morphol							
01	0 - 0.03 n	n Organic Layer; ;						
A1	0.03 - 0.2	Dark reddish brown (5YR2.5/2-Moist); Biological mixing, 5YR33, 10-20%, Faint; Clay loam; Strong grade of structure, 2-5 mm, Polyhedral; 5-10 mm, Polyhedral; Rough-ped fabric; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, coarse fragments; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Few, medium (2-5mm) roots; Common, coarse (>5mm) roots; Clear, Wavy change to -						
B21	0.21 - 0.3	Moderate grade of structure Moist; Weak consistence; 1 fragments; Field pH 6.5 (Ra	Dark reddish brown (5YR3/4-Moist); Biological mixing, 5YR32, 2-10%, Distinct; Clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; 2-5 mm, Granular; Rough-ped fabric; Moist; Weak consistence; 10-20%, medium gravelly, 6-20mm, subrounded tabular, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Few, medium (2-5mm) roots; Many, coarse (>5mm) roots; Diffuse, Smooth change to -					
B22	0.39 - 0.7	5-10 mm, Subangular block gravelly, 6-20mm, subround	Dark reddish brown (5YR3/4-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Granular; 5-10 mm, Subangular blocky; Rough-ped fabric; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded tabular, coarse fragments; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots; Diffuse, Smooth change to -					
B23	0.7 - 1.33	Subangular blocky; Rough- 60mm, subrounded tabular	Dark red (2.5YR3/6-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Granular; 5-10 mm, Subangular blocky; Rough-ped fabric; Moist; Weak consistence; 2-10%, coarse gravelly, 20-60mm, subrounded tabular, coarse fragments; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Diffuse change to -					
B3	1.33 - 2.0	consistence; 2-10%, mediu	Strong brown (7.5YR4/6-Moist); ; Moderate grade of structure; Smooth-ped fabric; Wet; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 5.5 (Raupach);					
<u>Morph</u> A1	nological I	<u>Notes</u> Structure due to faunal cast	ing.					
B21		Next 3 layers have a fluffy lo colluvial origins.	Next 3 layers have a fluffy loose consistence and crumb structure. Could be related to colluvial origins.					
B3								
Observation Notes								

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Site Notes 275M WSW UP CREEK FROM ROAD 4018-1

Project Name:BAGO-MARAGLE FOREST SOIL SURVEYProject Code:BGM_FSSSite ID:0086Observation ID:1Agency Name:CSIRO Division of Soils (ACT)

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca l	Mg K		Na Acidity Cmol (+)/kg				%
0 - 0.03										
0.03 - 0.21	4.98C		16.03H	3.09	1.38	0.07	1.6J 0K		22.17	E
0.21 - 0.39	5.17C		9.9H	2.71	1.64	0.08	0.74J 0K		15.06	E
0.39 - 0.7	5.14C		4.39H	1.65	1.44	0.08	0.46J 0K		8.02E	E
0.7 - 1.33	5.06C		2.33H	0.82	0.82	0.04	0.53J 0K		4.54E	1
1.33 - 2.03	4.57C		4.54H	5.64	0.24	0.06	0.42J 0K		10.9E	1
							-			
Depth	CaCO3	Organic	Avail.	Total	Total					Analysis
m	%	С %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS FS %	Silt Clay
0 - 0.03										
0.03 - 0.21		9.26B		3406.6		-	0.58	46.15		
0.21 - 0.39 0.39 - 0.7		5.27B 3.45B		2966.8 2631.3	-	-	0.74 0.69	34.58 29.59		
0.39 - 0.7		3.45B 2.52B		2031.3 2714B	-	-	0.89	29.39		
1.33 - 2.03		0.37B		1443.8	-		0.00	53.69		
Depth	COLE			imetric/V		Water Con			K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m	1 Bar 13	5 Bar 15	Bar	mm/h	mm/h

0 - 0.03 0.03 - 0.21 0.21 - 0.39 0.39 - 0.7 0.7 - 1.33 1.33 - 2.03

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Laboratory Analyses Completed for this profile