Project Name:	BAGO-MARAG	SLE FORES	SOIL SURVE	Y
Project Code:	BGM_FSS	Site ID:	0127	Observation ID:
Agency Name:	CSIRO Divisio	n of Soils (A	NCT)	

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Site Information

Desc. B Date De Map Re Northin Easting <u>Geolog</u> Exposu Geol. R <u>Land F</u>	esc.: f.: g/Long.: //Lat.: <u>AV</u> reType: ef.: <u>Form</u> pe Class: Type:	P. Ryan 14/05/96 Sheet No. : 8526 DGPS 6047099 AMG zone: 55 599088 Datum: AGD66 Soil pit Sgg No Data Lower-slope Hillslope 9 %		Locality: Elevation: Rainfall: Runoff: Drainage: Conf. Sub. is Parer Substrate Material: Pattern Type: Relief: Slope Category: Aspect:			ned Probab Granod	
Surfac	e Soil Co	nditio	on (dry): Soft					
Erosio								
	assificati							
	ian Soil Cl -Acidic Mes		cation: hic Brown Kandosol Medium	Slightly		ng Unit: pal Profile	Form:	N/A Um6.12
•	y Clay-loan onfidence :		y-loamy Deep		Groat	Soil Group		No suitable group
			data are available.		Great	Son Group		No sullable gloup
Site Di	sturbanc	e: No	effective disturbance. Natura	al				
Vegeta		_						
	e Coarse		ments:					
01	Morphol 0 - 0.01 n		Organic Layer; ;					
A11	0.01 - 0.1			lav loam: Mo	dorato o	rado of stru	icturo <	2 mm Granular: 2.5 mm
ATT	0.01 - 0.1	1 111	Black (5YR2.5/1-Moist); ; Clay loam; Moderate grade of structure, <2 mm, Granular; 2-5 mm, Polyhedral; Rough-ped fabric; Moist; Weak consistence; 2-10%, coarse gravelly, 20-60mm, subrounded tabular, Granodiorite, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Few, medium (2-5mm) roots; Clear, Smooth change to -					
A12	0.11 - 0.2	2 m	Dark brown (7.5YR3/2-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; 5-10 mm, Polyhedral; Rough-ped fabric; Moist; Firm consistence; 2-10%, coarse gravelly, 20-60mm, subrounded tabular, Granodiorite, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Few, medium (2-5mm) roots; Clear, Wavy change to -					
B1	0.22 - 0.3	34 m	Dark reddish brown (5YR3/3-Moist); Biological mixing, 7.5YR32, 2-10%, Faint; Medium sandy clay loam; Moderate grade of structure, 10-20 mm, Angular blocky; 2-5 mm, Polyhedral; Rough-ped fabric; Moist; Firm consistence; 2-10%, coarse gravelly, 20-60mm, subrounded tabular, Granodiorite, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots; Clear, Tongued change to -					
B2	0.34 - 0.7	'1 m	Brown (7.5YR4/4-Moist); Biological mixing, 7.5YR34, 0-2%, Faint; Coarse sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Moist; Weak consistence; 10-20%, coarse gravelly, 20-60mm, subangular, Granodiorite, coarse fragments; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Few, medium (2- 5mm) roots; Few, coarse (>5mm) roots; Gradual, Smooth change to -					
С	0.71 - 1.3	86 m	Yellowish brown (10YR5/8-Moist); ; Loamy coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Very weak consistence; 10-20%, cobbly, 60-200mm, subangular, Granodiorite, coarse fragments; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;					
	ological I	Notes						
A11 B1			This and next layer may have Tongue of material follows o			0 00 0	•	
	vation No	otes	i singue of material follows o					
Sito No								

Site Notes

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COMP 78H 37249-1 157D 350M FROM CK/RD

Project Name:BAGO-MARAGLE FOREST SOIL SURVEYProject Code:BGM_FSSSite ID:0127Observation 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 I	Иg	к	Na Cmol (·	Acidity +)/kg			%
0 - 0.01										
0.01 - 0.11	4.88C		10.2H	1.82	1.12	0.07	2.12J 0K		15.33E	
0.11 - 0.22	4.77C		4.57H	0.95	0.76	0.06	2.04J 0K		8.38E	
0.22 - 0.34	4.6C		1.11H	0.5	0.3	0.04	1.54J 0K		3.48E	
0.34 - 0.71	4.49C		0.69H	0.47	0.26	0.04	0.54J 0K		1.99E	
0.71 - 1.36	4.67C		0.35H	0.25	0.2	0.03	0.14J 0K		0.98E	
Depth	CaCO3	Organic	Avail. P	Total P	Total N	Tota K		Particle GV CS		
m	%	С %	Р mg/kg	P %	N %	K %	Density Mg/m3	GV CS	FS %	Silt Clay
0 - 0.01										
0.01 - 0.11		8.04B		523.1B	-		0.75	17		
0.11 - 0.22		5.03B		450.2B	-	-	0.98	13.26		
0.22 - 0.34 0.34 - 0.71		2.31B 0.3B		299.6B 218.6B			1.16 1.57	6.57 15.74		
0.71 - 1.36		0.3B 0.14B		210.0B 220.8B			1.57	19.03		

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	3			mm/h	mm/h

0 - 0.01	
0.01 - 0.11	
0.11 - 0.22	
0.22 - 0.34	
0.34 - 0.71	

0.71 - 1.36

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Laboratory Analyses Completed for this profile

15_NR 15E1_AL 15E1_CA 15E1_H 15E1_K 15E1_MG 15E1_NA 2A1 4B2 6B2 7A2 9A3 P10_GRAV	Sum of Ex. cations + Ex. acidity - Not recorded Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Air-dry moisture content pH of 1:5 soil/0.01M calcium chloride extract - following Method 4A1 Total organic carbon - high frequency induction furnace, volumetric Total nitrogen - semimicro Kjeldahl , automated colour Total Phosphorus (ppm) - semimicro kjeldahl, automated colour Gravel (%)
P10_GRAV	Gravel (%)
P3A1	Bulk density - g/cm3