Project Name:	BAGO-MARAG	GLE FORES	T SOIL SU	RVEY
Project Code:	BGM_FSS	Site ID:	0138	Observation ID:
Agency Name:	CSIRO Divisio			

1

Site Information

Desc. B Date De Map Re Northin Easting	esc.: f.: g/Long.: /Lat.:	P. Ryan 20/05/96 Sheet No. : 8526 DGPS 6059906 AMG zone: 55 613065 Datum: AGD66		Rainfall:NoRunoff:No		529 metres No Data No Data Well drained			
<u>Geoloc</u> Exposu Geol. R	reType:	Soil p Os	it	Conf. Sub. is Parent. Mat.: Probab Substrate Material: Schist			Probab Schist	le	
Land F Rel/Slop Morph. Elem. T Slope:	pe Class: Type:		r-slope ope	Pattern Ty Relief: Slope Cate Aspect:	•	No Data No Data No Data 315 degre			
-	e Soil Co	onditio	on (dry): Firm	•		0			
Erosio									
	assificati	ion							
	ian Soil Cl		cation:		Mannii	na Unit:		N/A	
Acidic M		Brow	n Dermosol Thin Slightly grav	relly	Mapping Unit: Principal Profile Form:			Uf6.12	
ASC C	onfidence	:			Great	Soil Group):	Brown podzolic soil	
	,		data are available.						
		: <u>e:</u> No	effective disturbance. Natura	al					
<u>Vegeta</u> Surfac	ition: e Coarse	Frag	ments:						
Profile	Morphol								
01	0 - 0.02 n	n	Organic Layer; ;						
A1	0.02 - 0.1	11 m Very dark greyish brown (10YR3/2-Moist); Biological mixing, 10YR61, 10-20%, Distinct; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; 10-20 mm, Subangular blocky; Roughped fabric; Moderately moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular tabular, Coal, coarse fragments; Field pH 5.5 (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 0.11 - 0.28 m Brown (7.5YR4/4-Moist); Biological mixing, 10YR43, 2-10%, Faint; Light medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; 10-20 mm, Subangular blocky; Rough-ped fabric; Moderately moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Schist, coarse fragments; 2-10%, fine gravelly, 2-6mm, angular tabular, Coal, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Field pH 4.5 (Raupach); Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Common, medium (2-5mm) roots; Few, coarse (>5mm) roots; Gradual, Irregular change to -									
B22	0.28 - 0.4	47 m Strong brown (7.5YR5/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; 10-20 mm, Subangular blocky; Rough-ped fabric; Moderately moist; Firm consistence; 10-20%, fine gravelly, 2-6mm, subangular tabular, Schist, coarse fragments; Field pH 4.5 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Gradual, Irregular change to -							
BC	0.47 - 0.6	67 m	7 m Brownish yellow (10YR6/6-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Angular blocky; Rough-ped fabric; Moderately moist; Firm consistence; 50-90%, medium gravelly, 6-20mm, subangular tabular, Schist, coarse fragments; Field pH 4.5 (Raupach); Few, very fine (0-1mm) roots; Clear, Irregular change to -						
A1 BC	ological ation No		Pale patches of fungal hypha Gravel material more weather						

Observation Notes Surface disturbance by lyrebirds.

Site Notes

Project Name:BAGO-MARAGLE FOREST SOIL SURVEYProject Code:BGM_FSSSite ID:0138Observation ID:1Agency Name:CSIRO Division of Soils (ACT)

COMP 121H 1193-1 237D 460M FROM 1125

Project Name: Project Code: Agency Name: BAGO-MARAGLE FOREST SOIL SURVEY BGM_FSS Site ID: 0138 CSIRO Division of Soils (ACT) Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable		Na	Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	к	Na Cmol (·	Acidity +)/kg			%
0 - 0.02										
0.02 - 0.11	4.4C		4.94H	1.87	0.33	0.16	0.58J 0.35K		8.25E	
0.11 - 0.28	4.08C		1.91H	2.11	0.15	0.13	2.79J 0K		7.09E	
0.28 - 0.47	3.96C		0.84H	2.95	0.08	0.14	3.71J 0K		7.72E	
0.47 - 0.67	4.02C		0.52H	3.87	0.07	0.21	3.43J 0K		8.11E	
Depth	CaCO3	Organic	Avail.	Total	Total	Tota	al Bulk	Part		Analysis
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV (CS FS %	Silt Clay
0 - 0.02										
0.02 - 0.11		6.23B		539.7E	3 0.2	1A	0.85	17.64		
0.11 - 0.28		1.31B		342.2E	3 0.0	8A	1.15	26.64		
0.28 - 0.47		0.68B		240.5E	3 0.0	5A	1.39	14.11		
0.47 - 0.67		0.31B		114B	0.0	3A		16.49		
Depth	COLE				olumetric				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 - 0.02 0.02 - 0.11 0.11 - 0.28 0.28 - 0.47 0.47 - 0.67

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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