Project Name:	BAGO-MARAG	LE FOREST	SOIL SURVEY		
Project Code:	BGM_FSS	Site ID:	0148	Observation ID:	1
Agency Name:	CSIRO Divisio	n of Soils (A	CT)		

Site Information

Easting <u>Geolo</u>	By: esc.: ef.: ng/Long.: g/Lat.: <u>gV</u> ureType:	P. Ryan 13/03/97 Sheet No. : 8526 DGPS 6045730 AMG zone: 55 609007 Datum: AGD66 Soil pit Tb		Rainfall:No DRunoff:No D		nt. Mat.:	ata ata dly drained				
Morph. Elem. 1 Slope: <u>Surfac</u> Erosic	pe Class: Type: Type: Se Soil Coon:		-slope pe	Self-mulching	Pattern Typ Relief: Slope Cate Aspect:		No Data No Data No Data 90 degree	es			
<u>Soil C</u>	lassificati	<u>ion</u>									
Australian Soil Classification: Acidic Mesotrophic Brown Dermosol Medium Moderately gravelly Clay-loamy Clayey Moderately deep					Mapping Unit: ly Principal Profile Form:			Form:	N/A Uf6.21		
	onfidence essary ana		lata are av	ailable.		Great S	Soil Group	:	Chocolate soil		
Site D	isturbanc	<u>e:</u> No	effective d	listurbance. Natura	al						
Vegeta		_									
tabular, E		Fragr	nents: 1	0-20%, cobbly, 60	-200mm, sub	roundec	l tabular, B	asalt; 10	-20%, stony, 200-	-600mm, subrounded	
	Profile Morphology										
01	0 - 0.01 n		Organic L	ayer; ;							
A1	0.01 - 0.1	5 m	 Dark reddish brown (5YR2.5/2-Moist); Biological mixing, 7.5YR33, 2-10%, Faint; Clay loam; Strong grade of structure, 10-20 mm, Polyhedral; 2-5 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, subrounded tabular, Basalt, coarse fragments; Field pH 6 (Raupach); Many, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Common, medium (2-5mm) roots; Clear, Wavy change to - 								
B21	0.15 - 0.4	0.44 m Dark brown (7.5YR3/4-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; 2-5 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, subrounded tabular, Basalt, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Few, medium (2-5mm) roots; Gradual, Wavy change to -									
B22	0.44 - 0.7	-	m Brown (7.5YR4/4-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Angular blocky; 5-10 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Firm consistence; 50-90%, coarse gravelly, 20-60mm, subrounded tabular, Basalt, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Gradual, Irregular change to -								
Morphological Notes											
B21 Abundant large basalt floaters.											

B22

Abundant large basalt floaters plus increasing smaller gravels. Base of layer marks increasing gravel content impeding further excavation.

Observation Notes

Basalt knoll west of pine arboretum on Jimmies Rd.

Site Notes

SMALL BASALT HILL OFF SIMMIES ROAD

Project Name:BAGO-MARAGLE FOREST SOIL SProject Code:BGM_FSSSite ID:0148Agency Name:CSIRO Division of Soils (ACT) BAGO-MARAGLE FOREST SOIL SURVEY Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Ng	e Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	vig	ĸ	Cmol (%
0 - 0.01										
0.01 - 0.15	4.67C		15.01H	2.88	1.11	0.06	2.63J 0K		21.69E	1
0.15 - 0.44	4.49C		1.2H	0.91	0.9	0.05	3.88J 0K		6.94E	
0.44 - 0.76	4.46C		3.13H	1.79	0.43	0.11	2.71J 0K		8.18E	
Depth	CaCO3	Organic	Avail.	Total	Total					Analysis
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS FS %	Silt Clay
0 - 0.01										
0.01 - 0.15		17.26B		2374.2			0.52	45.19		
0.15 - 0.44 0.44 - 0.76		4.04B 1.37B		1758.8E 1672.1E				32.5 46.6		
0.70		1.070		1072.11				40.0		
Depth	COLE		Grav	imetric/Vo	olumetric \	Nater Co	ntents		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15	Bar	mm/h	mm/h
0 - 0.01										

0 - 0.01 0.01 - 0.15 0.15 - 0.44 0.44 - 0.76

Project Name:BAGO-MARAGLE FOREST SOIL SURVEYProject Code:BGM_FSSSite ID:0148Observation ID:1Agency Name:CSIRO Division of Soils (ACT)

Laboratory Analyses Completed for this profile