Project Name:	BAGO-MARAGL	E FOREST	SOIL SURVEY		
Project Code:	BGM_FSS	Site ID:	0140	<b>Observation ID:</b>	1
Agency Name:	<b>CSIRO</b> Division	of Soils (A	CT)		

# Site Information

Desc. I Date D Map Re	esc.: ef.: ng/Long.:	P. Rya 21/05/ Sheet 60599		Locality: Elevation: Rainfall: Runoff: Drainage:		492 metre No Data No Data Well drair			
<u>Geolo</u> Expos Geol. F	ureType:	Soil pi Os	it	Conf. Sub. Substrate			Probable Schist	9	
	ope Class: . Type: Type:	No Data Lower-slope Hillslope 55 %		Relief:	Relief: No E Slope Category: No E		No Data No Data No Data 180 degrees		
	ce Soil Co								
	on: Partia		r (sheet)						
	lassificati		otion		Monnie			N/A	
	lian Soil C Dystrophic I		ndosol Thin Gravelly Silty (	Clavey	••	ng Unit: Dal Profile	Form:	Gn4.11	
Deep			, , ,	, ,	•				
	Confidence		data are available.		Great S	Soil Group	):	No suitable group	
	,		effective disturbance. Natu	ural					
Veget	ation:								
		Frage	nents: 2-10%, coarse gra	avelly, 20-60m	m, subai	ngular tabu	ılar, ; 2-10	0%, coarse gravelly, 20-60mm,	
•	ılar platy, e <b>Morphol</b>	logy							
A1	0 - 0.06 r		Dark brown (7.5YR3/2-Mo Rough-ped fabric; Moist; \ platy, coarse fragments; F (1-2mm) roots; Few, medi	Very weak con ield pH 5.5 (R	sistence; aupach);	; 10-20%, f Many, ver	ine grave y fine (0-	lly, 2-6mm, subangular 1mm) roots; Common, fine	
A3	0.06 - 0.1	18 m	Dark brown (7.5YR3/3-Mo Moderate grade of structu consistence; 10-20%, fine (Raupach); Many, very fin Few, coarse (>5mm) root	re, 5-10 mm, S gravelly, 2-6m e (0-1mm) roo	Subangul im, suba ts; Many	lar blocky; ngular plat , fine (1-2n	Rough-pe y, coarse	ed fabric; Moist; Weak	
B1	0.18 - 0.2	29 m	Reddish brown (5YR4/4-M grade of structure, 5-10 m 10-20%, fine gravelly, 2-6i Common, very fine (0-1mr Gradual, Irregular change	im, Subangulai mm, subangula m) roots; Comi	r blocky; ar platy,	Rough-pe coarse frag	d fabric; N gments; F	Noist; Weak consistence; ield pH 6 (Raupach);	
B21	0.29 - 0.6	63 m		n-ped fabric; M ragments; Fiel	oist; We d pH 5.5	ak consiste (Raupach	ence; 10-2	ructure, 5-10 mm, 20%, fine gravelly, 2-6mm, ery fine (0-1mm) roots; Few,	
B22	0.63 - 1.4	45 m	Yellowish red (5YR4/6-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moist; Very weak consistence; 20-50%, fine gravelly, 2- 6mm, subangular platy, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Field pH 5 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Few, medium (2-5mm) roots; Clear change to -						
Morph	nological	Notes							

A1 Layers 1 to 5 are colluvial.

Observation Notes Steep S facing slope above a flatter bench. Soils are deeper and moister than NW slopes.

# Site Notes

COMP 121H 1156- 1 210M 75D FROM STREAM

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# Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeabl Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Wg	ĸ		(+)/kg			%
0 - 0.06	4.01C		3.47H	1.34	1.01	0.07	5.75J 0K		11.64E	
0.06 - 0.18	4.15C		0.86H	0.69	0.62	0.07	3.66J 0K		5.9E	
0.18 - 0.29	4.13C		0.3H	0.5	0.52	0.07	2.89J 0K		4.28E	
0.29 - 0.63	4.05C		0.14H	0.45	0.5	0.04	2.88J 0K		4.02E	
0.63 - 1.45	4.01C		0.06H	0.31	0.39	0.03	2.39J 0K		3.18E	

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size	Analys	is
	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	70	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.06		7.48B		590.9B	0.32A		0.80	38.75				
0.06 - 0.18		3.35B		482B	0.17A		0.90	23.58				
0.18 - 0.29		2.03B		391.3B	0.12A		1.05	26.91				
0.29 - 0.63		0.8B		306.7B	0.06A		1.16	9.22				
0.63 - 1.45		0.34B		349.7B	0.05A			28.6				

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 - 0.06 0.06 - 0.18 0.18 - 0.29 0.29 - 0.63

0.63 - 1.45

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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 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 (%)
•••••	
PSAT	Buik density - g/cm3