Project Name:	BAGO-MARA	GLE FORES	T SOIL SU	RVEY	
Project Code:	BGM_FSS	Site ID:	0088	Observation ID:	•
Agency Name:	CSIRO Divisio	on of Soils (A	NCT)		

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Site Information

Desc. By: Date Desc.: Map Ref.: Northing/Lor Easting/Lat.:	P. Ry 14/03 Shee ng.: 60533		Rainfall: N Runoff: N		1124 metres No Data No Data Well drained				
<u>Geology</u> ExposureTy _l Geol. Ref.:	pe: No D Tb	ata		Conf. Sub. is Parent. Mat.:No DataSubstrate Material:Granodiorite					
Land Form Rel/Slope Cl Morph. Type Elem. Type: Slope: Surface So	: Lowe Hills 8 %	er-slope ope	Pattern Type Relief: Slope Catego Aspect:	ory:	No Data No Data No Data 315 degre	ees			
Erosion:									
Soil Classif			_				N1/A		
Australian Se Acidic Mesotr Clay-loamy C	ophic Red	Dermosol Medium Slightly gra			g Unit: al Profile	Form:	N/A Uf6.11		
ASC Confid	ence:		G	Freat S	oil Group):	Krasnozem		
-	, ,	data are available. a effective disturbance other the the states of the	han grazing by	hoofed	l animals				
Vegetation			nan grazing by	nooroa					
Surface Co	arse Frag	ments: 2-10%, fine gravelly	y, 2-6mm, angu	lar tabı	ular, Coal				
Profile Mor									
).01 m	Organic Layer; ;							
A1 0.01	A1 0.01 - 0.14 m Dark reddish brown (5YR3/2-Moist); Biological mixing, 5YR44, 2-10%, Faint; Clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Moderately moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, angular tabular, Coal, coarse fragments; Field pH 6 (Raupach); Abundant, very fine (0-1mm) roots; Many, fine (1-2mm) roots; Common, medium (2- 5mm) roots; Common, coarse (>5mm) roots; Gradual, Smooth change to -								
A3 0.14	- 0.29 m	grade of structure, 2-5 mm	, Polyhedral; 5- ield pH 6 (Raup	10 mm bach); (i, Polyhed Common,	ral; Roug very fine	(0-1mm) roots; Few, fine (1-		
B1 0.29) - 0.45 m		e, 5-10 mm, Poly velly, 2-6mm, ai coated, faint; Fi	yhedra ngular ield pH	l; Rough-r tabular, C I 5.5 (Rau	oed fabri oal, coai pach); Fe	c; Moderately moist; Weak		
B21 0.45	5 - 0.91 m	Dark red (2.5YR3/6-Moist); of structure; Earthy fabric; M angular tabular, Coal, coars Few, fine (1-2mm) roots; Fe	Ioderately mois e fragments; Fi	st; Very eld pH	firm cons 4.5 (Raup	sistence;	0-2%, fine gravelly, 2-6mm,		
B21 0.91	- 1.71 m	Dark red (2.5YR3/6-Moist); moist; Firm consistence; Fie			grade of st	ructure;	Earthy fabric; Moderately		
B21 1.71	- 2.41 m	Dark red (2.5YR3/6-Moist); moist; Very firm consistence							
B22 2.41	- 3.01 m	Yellowish red (5YR4/6-Mois moist; Firm consistence; Fie			ve grade o	of structu	re; Earthy fabric; Moderately		
<u>Morphologi</u>	ical Notes	<u>.</u> Easter this law and a stirt in the							

B1 From this layer on, density increases.

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B21

Small patch of charcoal pieces at 90cm. This layer continues to 2.4m and has been split at arbitrary depths.

Observation Notes

Logged alpine ash stand. Regen. approx.15yr old. Site has also been burnt post logging. Dense Acacia understorey. Snig tracks occur within plot. PM is uncertain.

Site Notes

3101-1 C31H 250M 86D FR EAST PL RD

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Laboratory Test Results:

Depth	рН	1:5 EC		hangeabl Mg	e Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ga	wig	n	Cmol				%
0 - 0.01										
0.01 - 0.14	5.08C		19.65H	3.49	1.81	0.07	0.89J 0K		25.91E	
0.14 - 0.29	4.93C		10.07H	2.74	1.73	0.04	1.05J 0K		15.63E	
0.29 - 0.45	4.76C		6.79H	2.52	1.67	0.04	1.45J 0K		12.46E	
0.45 - 0.91	4.3C		3.21H	1.89	1.34	0.09	3.68J 0K		10.21E	
0.91 - 1.71	4.24C		2.88H	1.66	0.76	0.06	3.17J 0K		8.54E	
1.71 - 2.41	4.16C		2.28H	1.15	0.6	0.08	3.88J 0K		7.99E	
2.41 - 3.01	4.06C		1.55H	0.8	0.55	0.11	4.9J 0K		7.91E	

CaCO3	Organic	Avail.	Total	Total	Total	Bulk			e Analysis Silt Clay
%	%	mg/kg	۲ %	%	%	Mg/m3	GV	°3 °3	
	8.77B		1588.8B	0.46A		0.68	44.87		
	4.05B		1379.3B	0.25A		1.04	37.91		
	1.94B		967.5B	0.14A		1.11	42.62		
	0.92B		714.8B	0.06A		1.01	34.21		
	0.56B		792B	0.05A			36.97		
	0.29B		675.2B	0.04A			41.91		
	0.27B		766.1B	0.04A			37.29		
COLE		Grav	imetric/Volu	metric Wate	er Conte	ents		K sat	K unsat
	Sat.	0.05 Bar	0.1 Bar 0).5 Bar 1	Bar	5 Bar	15 Bar		
			g/g -	m3/m3				mm/h	mm/h
	% COLE	C % 8.77B 4.05B 1.94B 0.92B 0.56B 0.29B 0.27B COLE Sat.	C P % % mg/kg 8.77B 4.05B 1.94B 0.56B 0.29B 0.27B COLE Grav Sat. 0.05 Bar	C P P % % mg/kg % 8.77B 1588.8B 4.05B 1379.3B 4.05B 1379.3B 1.94B 967.5B 0.92B 714.8B 0.56B 792B 0.29B 675.2B 0.27B 766.1B COLE Gravimetric/Volu Sat. 0.05 Bar 0.1 Bar 0 9/9 -	C P P N % % mg/kg % % 8.77B 1588.8B 0.46A 4.05B 1379.3B 0.25A 1.94B 967.5B 0.14A 0.92B 714.8B 0.05A 0.56B 792B 0.05A 0.29B 675.2B 0.04A 0.27B 766.1B 0.04A 0.27B 766.1B 0.04A 0.27B 0.1 Bar 0.5 Bar 1 Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1	C P P N K % % mg/kg % % % 8.77B 1588.8B 0.46A 4.05B 1379.3B 0.25A 1.94B 967.5B 0.14A 0.92B 714.8B 0.06A 0.56B 792B 0.05A 0.29B 675.2B 0.04A 0.27B 766.1B 0.34A	C P P N K Density % % mg/kg % % Mg/m3 8.77B 1588.8B 0.46A 0.68 4.05B 1379.3B 0.25A 1.04 1.94B 967.5B 0.14A 1.11 0.92B 714.8B 0.06A 1.01 0.56B 792B 0.05A 0.29B 0.27B 766.1B 0.04A 0.27B COLE Gravimetric/Volumetric Water Contents Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar g/g - m3/m3	C P P N K Density GV % % % % % % Mg/m3 GV % % % % % % % Mg/m3 GV % % 1588.8B 0.46A 0.68 44.87 4.05B 1.04 37.91 1.94B 967.5B 0.14A 1.11 42.62 0.92B 714.8B 0.06A 1.01 34.21 0.56B 792B 0.05A 36.97 36.97 36.97 37.29 COLE Gravimetric/Volumetric Water Contents 37.29 37.29 37.29 37.29 COLE Gravimetric/Volumetric Water Contents 5 Bar 15 Bar 15 Bar<	C P P N K Density GV CS FS % % mg/kg % % % Mg/m3 GV CS FS % % % % % Mg/m3 GV CS FS % % % % % Mg/m3 GV CS FS % % % % % % Mg/m3 GV CS FS % % % % % % Mg/m3 GV CS FS % % 1379.3B 0.25A 1.04 37.91 1.11 42.62 0.92B 714.8B 0.06A 1.01 34.21 0.56B 792B 0.05A 36.97 0.29B 675.2B 0.04A 37.29 37.29 COLE Gravimetric/Volumetric Water Contents K sat Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar mm/h

0.01 - 0.14 0.14 - 0.29 0.14 - 0.29 0.29 - 0.45 0.45 - 0.91 0.91 - 1.71 1.71 - 2.41 2.41 - 3.01

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Laboratory Analyses Completed for this profile