

Fig. 2-3-4

		<u> </u>			S	urvey Peri	ođ			To	tal	Men
			Per	iod		Days	Work day		Off day	Engine	er	Worker
Ope	ration			. <u> </u>			da	ys	days.		en	men
· - [	Preparati	on 11.10	). 1992~	-23.	10. 1992	13		11	2	44		105
	······						Drilling					
	Drilling	24.10	). 1992~	-04.	11. 1992	12		12	0	48		144
							Recovering				: '	
	• •				į			0	0	-		
	Removing	05.11	. 1992			1		1	0	4		12
	Total	11.10	). 1992~	-05.	11. 1992	26		24	2	96	• . • .	261
Dri	lling leng	th					Core	reco	overy of 1	00 m hole		
	Length	300	). OOm	0ve	rburden	7.10m				[	Co	re
	planed						Depth of h	ole	Con	e	re	covery
ļ	Increase								rec	overy	cı	mulated
	or			Cor	e		( m	)		(~%)		(%)
	Decrease		D	len	gth	293. 70m	0.00 ~	100.	00	99. 7	· . 	99.7
	in		· · ·				100.00 ~	200.	00	.00. 0		99, 8
·	length			i			200.00 ~	301.	00	00.0		99. 9
	Length			Cor	e	%						<u></u>
	drilled	301	.00a	rec	overy	99.9						
Wor	king hours			h	%	%				1. S. S.	Dri	lling
	210° 20′		70.	8	53.4	, ,	Efficien	су с	of Drillin	······		
÷	Other wor	king	86°	40′	29. 2	22.0	Total m/wo	rk		301.00m/	11 12	1. St. 1.
	Recoverin	g			 	 	period	· · · · · · · · · · · · · · · · · · ·				08m/day)
	Tot	al	297	00′	100.0	75.4	Total m/wo	rk	a stali	301.00m/		
	Reassembl	age	42°	00'		10.6	shift		1			6m/shift
	Dismantle	nent	.7°	00′		1.8	Drilling l	engt			it)	
ł	Water		1				Bit size	·	HX.	NQ		BQ
	transport	ation					Drilled			- 		
	Road cons	truction					length		5.10m	145. 10m		150.80m
	and trans	portation	48° (	00′		12.2	Core	. ·				
	G. Tot	a1	394° (	00'		100.0	length			142.90m		150,80m
Cas	ing pipe i	nserted							· .			
			Meter					•				
	Size	Meterage			× 100	Recovery				• •		en Services Services
	- -	· .·	lengtl	÷					· •			
		(m)		(%)		(%)				•		
	H W	5. 10	÷, .	1. '		100					·. '	
	N W	15.10	· · ·	5. (		100						
	BW	150. 20	·	49.9	)	100	L	••••••	·····			

如此,此此,此此,一个是我们,就是不是我们的。""我们就能是我们的。""我们就是我们的,我们就能能是我们能能。""你们就是你们的,我们就是我们的。""你们就是我们就是我们就是我们的。""你们就是你们,"

## Table 2-3-1 Summary of the Drilling Operation on MJF-5

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					S	urvey Peri	od	<del></del>		Tot	al Mo	en
	ц. <sup>1</sup>	· ·	Per	iod		Days	Work day		Off day	Enginee	r	Worker
0pe	ration		· · · · · · · · · · · · · · · · · · ·		···· · · ·		da	ys	days	De	n	aen
	Preparation	06.11	. 1992-	~09.	11. 1992	4		4	0	16		50
							Drilling					
	Drilling	10.11	. 1992~	~22.	11. 1992	13		13	0	52		156
							Recovering					
								0	0	-		-
	Removing	23.11	. 1992			1		1	0	4		9
	Total	06.11	. 1992~	~23.	11. 1992	18		18	0	72		215
Dri	lling length					:	Core	reco	very of 1	00 m hole		
	Length	300	l. 00m	0ve	rburden	15. 00m					Core	3.
	planed				:		Depth of h	ole	Cor	e	reco	overy
	Increase								rec	overy	cum	lated
	or			Cor	e	4	( m	) 19.	(	%)	(	%)
	Decrease			1en	gth	277. 10m	0.00 ~	100.	00	89.6	8	39.6
	in	a e e	•				100.00 ~	200.	00 1	00.0		5.2
	length						200.00 ~	300.	90 1	00.0		)6. 9
	Length		•	Cor	e	%						<u> </u>
	drilled	300	. 90m	rec	overy	96. 9					-	
1	king hours			h	%	%					Drill	ing
	207°10′	·	66.		58.2				f Drillin	· .	<u></u>	
	Other working	g .	<u> </u>	50'	31.4		Total m∕wo			300. 90m/1		N
· . ·	Recovering	· .		00'	2.2	2.0	period		lay)		· · · · · · · · · · · · · · · · · · ·	om/day)
	Total	 	312°		100.0	87.7	Total m/wo			300. 90m/3		- + j
	Reassemblage		·	00'		9.8	shift				<u> </u>	n/shift)
	Dismantlement		9*	00′		2.5	Drilling 1	engt	······		t)	
	Water	·			the second		Bit size		HX	NQ	_	BQ
	transportatio						Drilled	].		•		
	Road construc						length		12.10m	138.10m		150. 70m
	and transport			0.01	· ·	100.0	Core	· ·		100 10		100 80
	G. Total		356°	00'	L	100.0	length		-	126. 40m		150. 70a
Cas	ing pipe inser	ted	Meter			· .						
	Size Met	terage	1 A A A		× 100	Recovery		-	e de la composición de la comp	. '		
		oruge	lengt	1.11	100	accorerj			1. 1.	•		
		(m)		.n (%	)	(%)			:			
		0.10		3.	· · · · · · · · · · · · · · · · · · ·	100				·		
		89.10		13.		100		· ·				
		50. 20	<u>-</u>	49.		100	<b>.</b>					

### Table 2-3-2 Summary of the Drilling Operation on MJF-6

And the second second

	· ·		بنه <del>پر و انتظام کرد.</del>		S	urvey Peri	od				То	tal	Nen
			Pe	riod		Days	Work day	y	Off	day	Engine	er	Worker
Opera	ation						da	ays	. c	lays	Ð	en	nen
آ]	Preparati	on 24.	11. 1992	~25.	11.1992	2		2		0	8		24
	N. 111		11 1000		10 1009	13	Drilling 1	12		0	52		152
ļ	Drilling	26.	11, 1992	~08.	12. 1992	13	Recovering				05	•	105
								0		0	-		-
- T	Removing	09.	12.1992	~19.	12, 1992	11	1	10		1 .	40		94
	Total	24.	11. 1992	~19.	12.1992	26	2	25		1	100		270
Dril	ling leng	th	<u></u>				Core	reco	very	of 10	0 m hole		
Γ	Length		300. 00m	0ve	erburden	8. 10a				·		· Co	ore i i i
	planed			ł .			Depth of H	hole		Core		re	ecovery
	Increase			-						reco	overy	C	unulated
	or			Сол	re	-	( m	)	· .	· . (	%)	•	(%)
	Decrease		~11	ler	agth	285. 80m	0.00 ~	100.	00	ç	12.2		92.2
·	in						100.00 ~	200.	00	10	0.0		96.3
	length		· · · ·				200.00 ~	300.	90	10	0.0		97.5
	Length			Cor	re -	%					:		
	drilled	3	301. 00m	rea	covery	97.5							· · ·
Work	ing hours	<u></u>		h	%	%					· · · · · · · · · · · · · · · · · · ·		
Π	Drilling	· · · ·	217	'40′ ·	73.5	54.6		Eff	icie	icy of	Drillin	g	
Ī	Other worl	cing	78	20′	26.5	19.6	Total u/wo	ork	• •		301. 00m/	13	days
Ī	Recovering	ξ					perio	od(n/	'day)		(	23	15m/day)
	Tota	1	296	00'	100.0	74.2	Total m/wo	ork			301.00m/	37	shifts
. 1	Reassembla	ige	18	00′		4.5	shif	t (n/	shif	t)	(	8.1	4m/shift)
I	Dismantle	ient	- 8"	00'		2.0	Drilling	lengt	h/bi	t (eacl	ı sized b	it)	
	Water		-			1 :-	Bit size	Ţ	HX		NQ		BQ
1	transporta	tion					Drilled	-				· .	atat pri
	Road const	ruction			1.1.1		length	1	1. 10	n	139. 10m		150. 80m
	and trans			°00′		19.3	Core						
	G. Tota			'00 <b>'</b>	· ·	100.0	length		1	n. '	135.00m		150. 80m
Casiı	ng pipe in					_ <u></u>							
Γ		· · · · · · · · · · · · · · · · · · ·	Meter	rage									
	Size	Meterag	1.		× 100	Recovery							
	. –		léng	-				:			· .		- 1
		(m)		(%	3) (J. 1997)	(%)	5. · · ·				1		
	НW	10.10	)	· · · · · · · · · · · · · · · · · · ·	4	100.0				· ·	· · · ·	÷.,	• •
	N W	19.10		6.		100. 0		· .			-		
			1 I I I I I I I I I I I I I I I I I I I			• · · · · · · · · · · · · · · · · · · ·	u						and the second

# Table 2-3-3 Summary of the Drilling Operation on MJF-7

	Dril	lling lengt	h	Te	otal	Shi	ft	Working	. Nen :
· .			.u T		Core			TOLVILLE	
	shift 1	shift 2	shift 3	Drilling	length	Drilling	Total	Engineer	Worker
October		m	m	n	n	shift	shift	men	men
11	Holiday								
12	Road con								
13	Road con								
14	Road con								
15	Road-Tra								
16	Road-Tra								
17	Road-Tra		:				6	24	45
18	Holiday								
19	Road con								н. 
20	Tra-Reas								-
21	Tra-Reas								
22	Reassemb								
23	Reassemb								
24	12.10	5.50	11. 70	29.30	22.00	3	8	24	72
25	8.30	9.10	8.80	26. 20	26. 20		-		
26	9.00	9.00	9.00	27.00	27.00				
27	7.00	8.00	7.50	22.50	22.50		·	•	1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19
28	7.50	7.90	10.10	25.50	25.50				
29	9.00	6.00	4.70	19.70	19.70				. •
30	9.00	9.60	9.30	27.90	27.90				
31	9, 30	9.00	6. 00	24.30	24.30	21	21	28	84
November									
- 1	8.00	7.00	9.00	24.00	24.00			n an	
2	9.00	7.30	9. 20	25.50	25.50			н. Ал	
3	9, 30	7. 20	8.30	24.80	24.80				· ·
. 4	8.70	8.80	6.80	24.30	24.30				
5	Reassmb					12	14	20	60
Total	106. 20	94.40	100.40	301.00	293. 70	36	49	96	261

Table 2-3-4 Record of the Drilling Operation on MJF-5

	Dril	ling lengt	th .	Тс	otal	Shi	ft	Working	g Men
	shift 1	shift 2	shift 3	Drilling	Core length	Drilling	Total	Engineer	Worker
November	n	EL	, in the second se	m	. 🗈	shift	shift	men	ner
6	Tra-Reas								
7	Tra-Reas						2	8	26
8	Tra-Reas								
9.	Reassub		÷						
10	12.10	10.30	6.40	28.80	8.50				е - к
11	5.90	5.70	8.30	19.90	16.40				
12	9. 20	9.50	7.30	26.00	26.00				
13	7.70	9.00	7.50	24. 20	24. 20				1
14	7.50	8.30	9.10	24.90	24.90	15	17	28	84
15	9. 30	9.30	7.80	26.40	26.40				
16	4.90	8. 20	9, 00	22. 10	22.10	. :			
17	9.00	8.40	6, 60	24.00	24.00				
18	9.00	7.50	8.00	24.50	24.50				
19	5.00	7.50	6. 50	19.00	19.00				· :.
20	6.20	8. 30	6.80	21.30	21.30				
21	7. 20	7. 20	6. 50	20. 90	20. 90	21	21	28	84
22	6. 20	7.80	4. 90	18.90	18.90				
23	Dismant					3	4	8	21
Total	99.20	107.00	94.70	300. 90	277.10	39	44	72	215

Table 2-3-5	Record of the Drilling Operation on MJF-6		

					:					
					. : .					
		Dri	lling leng	th .	To	tal	Shi	ft:	Working	Men
					Core	:		· ·		
		shift 1	shift 2	shift 3	Drilling	length	Drilling	Total	Engineer	Worker
	November	m	· · B	. n	: D	D1	shift	shift	men	men
•	24	Reassemb		- 					:	
	25	Reassemb	на стала на селото н Селото на селото на с Селото на селото на с		::				in tai	
	26	11.10	8.00	9. 20	28, 30	13.10		-		
	27	9.10	10.50	7.50	27.10	27.10				
	28	10.00	8.00	7.50	25, 50	25.50	9	11	20	60
	29	10.50	9.00	9.00	28.50	28.50				
	30	9.00	9.00	7.40	25.40	25.40			18 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -	
	December			(Ins-C.P)		a É				
	1	7.60	7.80	1.10	16.50	16.50			· · ·	
	2	9.00	7.30	7.60	23.90	23.90		-		
	3	9.10	9.00	9.00	27.10	27.10			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	ant a tra
	4	9.00	8.10	7.70	24.80	24.80				
	5	8.30	5.50	8, 20	22.00	22.00	21	21	28	84
	6	8.70	8.20	8.10	25.00	25. 00			- 	
	7	7.30	7.90	8.70	23. 90	23. 90				
	8	3, 00			3. 00	3.00				
	9	Dismant								
	10	With-cyc				-				
	11	With-cyc								
	12	With-cyc					7	11	28	62
	13	Holiday	14 g							
	14	Repair								
	15	Trans								
	16	Tra-pack		l					e e e	
	17	Tra-pack						19		
	18	Tra-pack					·			
	19	Tra-pack		1. 1. 1. 1. 1.	l a sta sp			6	24	64
	Total	111.70	98.30	91.00	301.00	285.80	37	49	100	270
!	· . · ·									:

Table 2-3-6 Record of the Drilling Operation on MJF-7

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### [MJF-6]

HX single bit was used to the depth of 12.10m through surface soil and weathered zone, HX casing pipe was inserted after reaming to 10.10m by HX casing metal shoe. Further drilling to 39.10m was done by NQ wireline method with bentonite BX mud. Simultaneously, reaming was done by NX casing diamond shoe and NX casing pipe was inserted at 39.10m. Further drilling to 150.20m was carried out with bentonite mud and mud oil, and BX casing pipe was inserted. To the target depth of 300.90m, BQ wireline with bentonite mud and mud oil were used, some circulation was lost often and concentrated mud with mixture of TELSTOP and mud seal was used for the mitigation of loss and the work was completed (Fig. 2-3-3, Table 2-3-2 & 2-3-5).

#### [MJF-7]

HX single bit was used to the depth of 11.10m through surface soil and weathered zone, HX casing pipe was inserted after reaming to 10.10m by HX casing metal shoe. Further drilling to 150.20m was done by NQ wireline method with bentonite BX mud. Simultaneously reaming was done by NX casing diamond shoe to 19.10m and NX casing pipe was inserted. BX casing pipe was inserted to 150.20m. To the target depth of 301.00m, BQ wireline with bentonite mud and mud oil were used, some circulation was often lost, but the operation continued with mitigation measures to the planned depth (Fig. 2-3-4, Table 2-3-3 & 2-3-6).

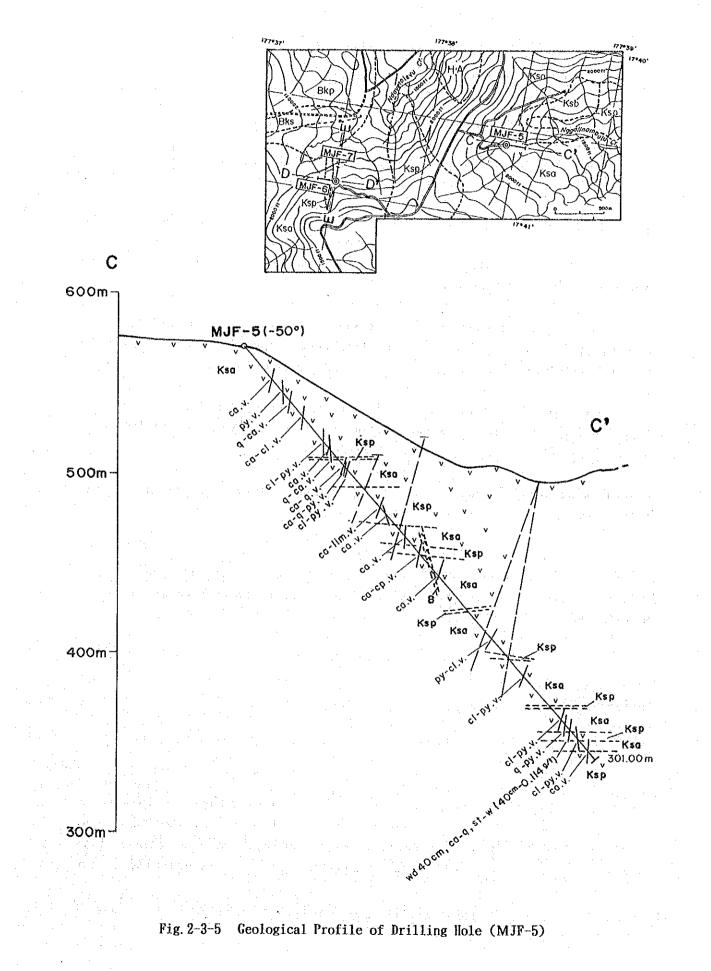
### 3-4 Geology, Mineralization, and Alteration of the Drill Holes

### MJF-5 (Appendix-columns, Table 2-3-7, 2-3-10, 2-3-11 and 2-3-13, Photo 3)

<u>Geology:</u> The geologic units of this borehole consists of alternation of andesite lava and andesitic pyroclastics (tuff breccia, lapilli tuff, tuff, fine tuff) belonging to Sabeto Volcanics and basalt dykes.

In this hole, there are many intercalations of fine pyroclastics with gentle bedding. The andesite lava is hyaloclastite with appearance resembling tuff breccia. There is only one small basalt dyke. Thus, hard and compact rocks are not well developed in this hole.

<u>Mineralization and alteration:</u> Many veins were encountered in this borehole. Many of them are veinlets of 0.5-10cm width. They are; calcite veins, quartz-calcite veins, and clay-pyrite veins. The amount of pyrite in the veins is very small. In places, there are narrow (several centimeters wide)



weakly disseminated zones of pyrite adjacent to the veins. The ores which were confirmed in this borehole to have Au grade over 0.05g/t are as follows.

Depth(m)	Width(m)	Au g/t	Description
278.7-279.1	0.4	0.114	Calcite-guartz veinlet

X-ray diffraction studies (XRD) of the veins showed that quartz, smectite, chlorite, and calcite are common, at times associated with sericite and pyrite. A small amount of potash feldspar was identified (75.6m) by sodium cobaltinitrite staining test.

Bleached zones (several centimeters to 4.5m wide) occur often in the host rocks adjacent to the veins and the common constituents were found to be quartz, chlorite, sericite, calcite, and smectite by XRD.

The host rock is generally strongly propylitized and quartz, chlorite, calcite, and smectite are commonly found. Sericite occur in zones deeper than 200m.

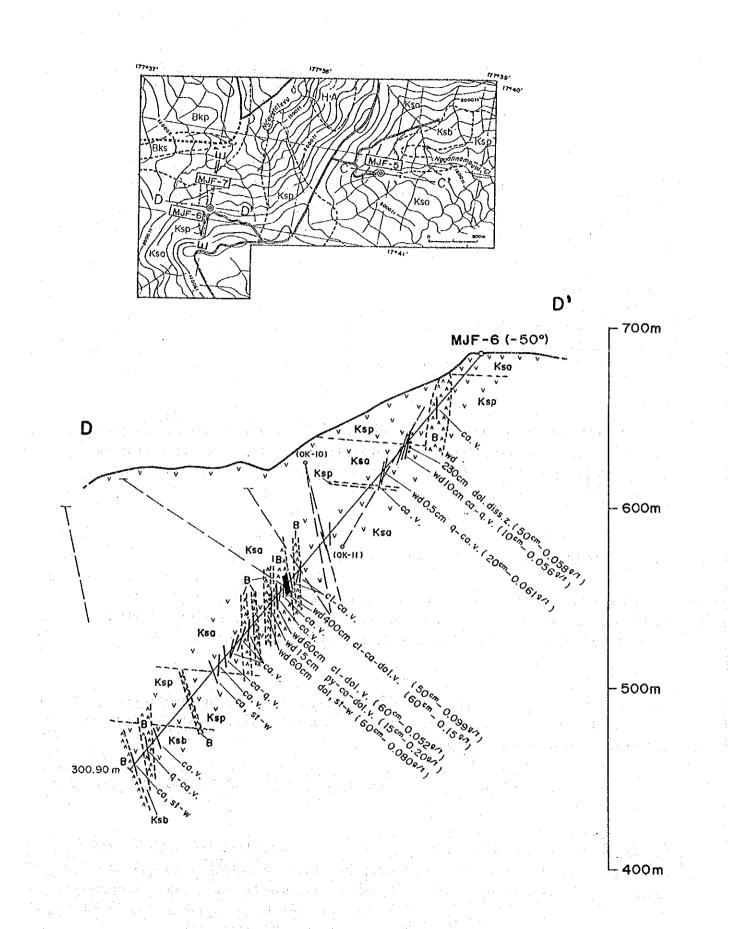
[MJF-6] (Appendix-columns, Table 2-3-7, 2-3-8, 2-3-10, 2-3-11 and 2-3-13, Photo 2 to 3)

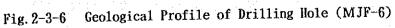
<u>Geology</u>: The geologic units of this borehole consists of andesite lava andesitic pyroclastics (tuff breccia, lapilli tuff, tuff) alternation (0-269.9m), basalt lava (269.9-300.9m) belonging to Sabeto Volcanics, and basalt dykes.

The andesite lava is hyaloclastite and the andesitic pyroclastics consist mainly of tuff breccia with intercalations of lapilli tuff and thin tuff beds.

There are many basalt dykes consisting mainly of compact and hard alkali basalt.

<u>Mineralization and alteration</u>: Many veins were encountered in this borehole. They are 0.5-400cm wide and relatively wide veins of 15-400cm occur at 163.93-181.9m. They are; calcite veins, quartz-calcite veins, claycalcite-dolomite veins, pyrite-calcite-dolomite veins, and dolomite-pyrite





network veins. In places, there are narrow (several centimeters wide) weakly disseminated zones of pyrite adjacent to the veins. The ores which were confirmed in this borehole to have Au grade over 0.05g/t are as follows.

Depth(m)	Width(m)	Au g/t	Description
63.7- 64.1	0.6	0.058	Calcite-quartz vein, pyrite dissemination
86.2- 86.4	0.2	0.061	Calcite vein
154.7-155.0	0.3	0.072	ditto
156.0-157.0	1.0	0.086	calcite veinlet
165.0-169.0	4.0	0.055	Clay-calcite-dolomite vein
175.6-176.2	0.6	0.052	clay vein
180.4-180.55	0.15	0.200	Pyrite-calcite-dolomite vein
181.3-181.9	0.6	0.080	Dolomite-pyrite veinlet
195.3-195.35	0.05	0.059	Quartz-calcite vein

XRD of the veins showed that quartz and adularia are common, at times associated with chlorite, sericite, smectite, dolomite and calcite. Potash feldspar was identified (166.0m and 219.4m) by sodium cobaltinitrite staining test.

Pyrite and chalcopyrite were found to be the common ore mineral with association of magnetite and molybdenite by ore microscopy.

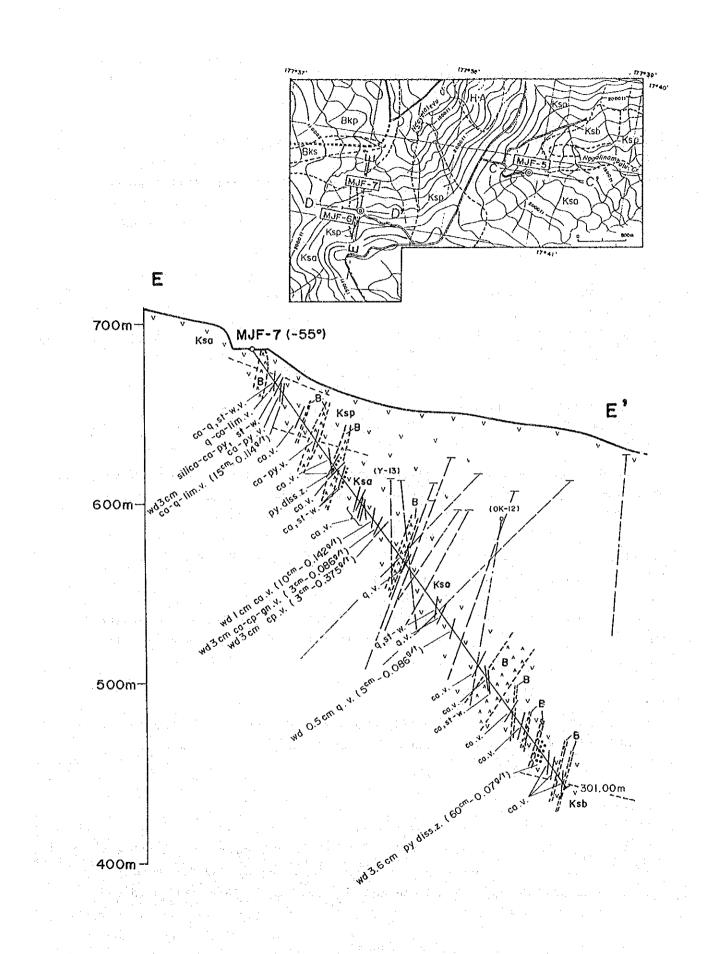
一部時代 医子宫的 化分子 化乙基基乙基乙烯酸化合物 机构成合成 计

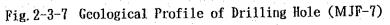
Bleached zones (several centimeters to 2.5m wide) occur often in the host rocks adjacent to the veins and the common constituents were found to be quartz, smectite and adularia, with occasional association of chlorite, calcite, and pyrite by XRD.

The host rocks are generally strongly propylitized and quartz, sericite, adularia, calcite and smectite are commonly found by XRD. Chlorite and pyrite occur occasionally.

[MJF-7] (Appendix-columns, Table 2-3-7, 2-3-8, 2-3-10, 2-3-11 and 2-3-13, Photo 2 and 3)

<u>Geology:</u> The geologic units of this borehole consists of andesite lava (67.4-291.3m) and andesitic tuff breccia (16.0-57.8m), and basalt lava (293.4-301.0m) belonging to Sabeto Volcanics and basalt dykes. The andesite





lava is hyaloclastite with appearance resembling tuff breccia. There are many basalt dykes and they consist of hard and compact basalt.

<u>Mineralization and alteration</u>: Many veins were encountered in this borehole. They are thin veinlets of 0.5-25cm in width. They are mostly calcite veins, quartz-calcite veins, and quartz veins. Calcite-chalcopyrite-galena veins and chalcopyrite veins are rarely observed. There are a small number of weakly disseminated zones of pyrite. The ores which are confirmed in this borehole to have Au grade over 0.05g/t are as follows.

Depth(m)	Width(m)	Au g/t	Description
29.1 - 29.25	0.15	0.114	calcite-quartz-limonite vein
121.0 -121.1	0.1	0.142	Calcite vein
121.93-121.96	0.03	0.086	Calcite-chalcopyrite-galena vein
123.50-123.53	0.03	0.375	Chalcopyrite vein
191.4 -191.45	0.05	0,086	Quartz vein
277.0 -277.6	0.6	0,071	Pyrite dissemination zone

XRD of the veins showed that chlorite is common and in places the veins are associated with sericite, dolomite, adularia, calcite, marcasite, and pyrite. Potash feldspar was identified (26.8m, 82.35m and 275.7m) by sodium cobaltinitrite staining test in the veins. Chalcopyrite was found to be the common ore mineral with association of pyrite, bornite, galena, and stromeyerite by ore microscopy.

Bleached zones (several centimeters to 2m wide) occur often at the margin of the veins and the common constituents were found to be quartz, chlorite, adularia and calcite, with occasional association of smectite by XRD.

The host rock is generally strongly propylitized and quartz, chlorite, and calcite, are commonly found by XRD. Smectite, adularia and dolomite occur occasionally.

#### 3-5 Discussions

Of the three boreholes drilled in this zone, MJF-5 is the least interesting in terms of number of veins, width of veins and the grade of ores. It was drilled through pyroclastics and fractured lava, and hard and compact dykes are not developed. On the other hand, wide veins occur concentrated between 163.93m and 181.9m depth of in Borehole MJF-6, and dykes are also concentrated in this part. It is, thus, evident that development of dykes and the veins are closely related in this zone as in the case of Nalotawa Zone.

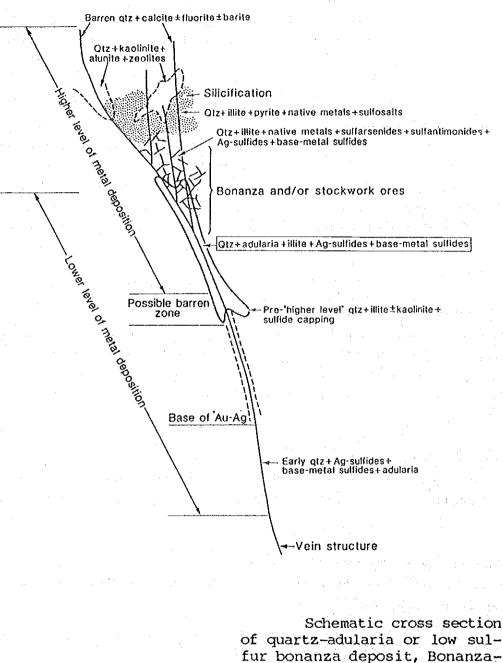
The common ore minerals of this zone are chalcopyrite and pyrite with rare occurrence of molybdenite, bornite, galena, and stromeyerite. Molybdenite usually occur in mesothermal to hypothermal deposits and not in epithermal environment. But it is reported from Cripple Creek (Colorado, USA) which is a Au-Ag-Te vein deposit and considered to be of epithermal or subvolcanic type. Stromeyerite is reported from epithermal Goldfield (Nevada, USA). It is concluded with the above examples, that the mineral assemblage of this borehole was formed under relatively deep epithermal environment.

The assemblage of major gangue minerals differ between those in the east (MJF-5) and west (MJF-6, 7). Those common to both groups are quartz, smectite, chlorite, sericite, calcite, and adularia. In the western veins, dolomite occur in addition to the above. The major assemblage is quartz-smectite-chlorite-calcite in the eastern veins while quartz-adularia in those of the west.

The assemblage of main alteration minerals near the veins also differ in the two groups (MJF-5 and MJF-6, 7). That common for both groups is quartz-chlorite-calcite-smectite with addition of sericite in the east and adularia in the west.

The assemblage of gangue and alteration minerals indicate low sulfidation epithermal environment of formation, and the western veins were probably formed under higher temperatures.

The mode of occurrence of the veins confirmed by drilling in this zone corresponds to the "quartz + adularia + illite + Ag sulfides + base metal sulfide zone" of the low sulfidation (quartz-adularia type) epithermal model (Berger and Eimon, 1983).



Schematic cross section of quartz-adularia or low sulfur bonanza deposit, Bonanza-IA model, showing alteration mineralogy and two zones of mineralization from the "closed cell convection" model of Berger and Eimon (1983).

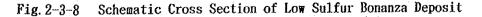


Table 2-3-7 Results of Microscopic Observation of Thin Section (Drilling Cores)

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	Altered Mineral		Clay(01), dev(G1)	Clay(01). dev(G1)	Pyrite-Clay common	Clay(P1), Ca(Hb), Ca(G1)	Ca(01). dev(G1). Ca-Clav(G1)	Ca(Hb), dev(G1), Ca(G1)	Ca-Clay(Hb), Ca-Ab-Clav(P1), Ca-Clav(G1)	0p(Hb). Ca(Au). dev(G1). Ca(G1)	Ab(P1), Act-0z-Ca(Hb), Kf-Clav-Ca-An(G1)	Clav	Ch1-Se(Hb).dev(G1).Ch1-Clav-fa(G1)	Ch1(Au). dev(G1). Ca1(G1)	Ca-Clay(G1)	Ca-Ch1 (Mf); Clay(PI), Ca-Ch1-Clav(G1)	Ca-Ch1(Mf), Se(PI), Ca-Clav(G1)	Clay(Au), Se-Clay(P1), dev (G1),	CIUTURE CONTRACTOR	Ca-Clav(Au) Zeö or Clav(P1) Clav(G1)	Ca(P1), Ca-Clay (Au), dev (G1), Clav-Ca(G1	Ca-Clay(Au), Clay(P1), dev(G1)	Ca-Op-Smc(Au), Ca-Kao(P1), Kao(G1)	Ca-Kao(PI), Ca-III-Q2-Op(Au), Sep-Ch1- Op-Hem(OI), Kao(GI), Ca Vein	Ca-Kao(PI), Ca-Op-ChI-III (Au), 02-Ca-Bi-Hem(Hb), Ca Vein Ca-Or Vein	A4 04 14 104 104 104 101 101 101 101 101
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	exture		Porph.	(Porph.)	I	(Porph.)	Porph.)	Porph.	Porph.	Porph.	Porph.	.1	(Porph.)	Porph.	Hialo.	(Porph.)	(Porph.)	Porph.	I	Porph.	Porph.	Porph.	Porph.	Porph.	(Porph.)	
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	Rock Name		01-Bs	T-Br (01-Bs)	51.0m Qz-Cal-Py Vein	T-Br (Hb-Ad,	01-Bs)	Eb-Ad	Alt Ad	Hb-Ad	AltAd	Qz Vein	T-Br (Hb-Ad)	Hb-Ad	Bs	T-Br (Alt Ad)	T-Br (Alt Ad)	33.1m Alkali Bs	Cal-Or Vein	PA	Alkali Bs	Bs	50.4m Alt Bs	Alt Bs	T-Br (Alt Bs)	
	Locality	- 1		133.6	MJF-4 51.0m	65.3			110.0	145.8	163.4	_	238.5		391.0		236.6	MJF-6 33.1m	U VY	141.8	i	299.2	MJF-7 50.4m	236. 4	299. 9	
	Sample		S3-1	S3-2	S4-1	S4-2		S4-3	S4-4	S4-5	S4-6		S4-7	S4-8	S4-9	S5-1	S5-2	S6-1	6-95	S6-3	S6-4	S6-5	S7-1	S7-2	S7-3	

Abundance of minerals ©:abundant, O:common,  $\Delta$ :few Abbreviation Tarture Porch Porcharitic Higlo Higlo

Abbreviation Texture Porph.:Porphyritic, Hialo.:Hialopiritic Wineral P1:Plagioclase, Bi:Biotite, Hb:Hornblend

Rock

G1:G1ass, Q2:Quartz, Hem:Hematite, Mf:Mafic minerals, Ca:Carbonate minerals, Ab:Albite, Clay:Clay minerals Ch1:Chlorite, Se:Sericite, Act:Actinolite, Ill:Illite, Smc:Smectite, Sep:Serpentine, Zeo:Zeolite, dev:devitrified Ad:Andesite, Bs:Basalt, T-Br:Tuff Breccia, Alt:Altered Pl:Plagioclase Bi:Biotite Hb:Hornblende, Au:Augite, Ol:Olivine, Ap:Apatite, Op:Opaque mineral, Kf:K-feldspar,

Table 2-3-8 Results of Microscopic Observation of Polished Section (Drilling Cores)

No.	Location	Description	පී	Bo Po Py	Po	Py Mig	gIl		é Hei	Goe Hem Sph Gn	5	ощ	Str	Remarks (*)
P4-1	MJF-4 51.0m	MJF-4 51.0m Qtz-Cal-Py vein		}	<del>آ</del>	0			<b> </b>					
P4-2	100.5	Clay-Py network			<u> </u>	0								***************************************
P4-3	117.0	Clay-Cal-Py network			¥	Ç		$\triangleleft$						partly replaced by Goe
P4-4	119.4	Clay-Cal-Py network			×	0 Q		⊲						partly replaced by Goe
P4-5	144.9	Cal vein				0								
P4-6	146.0	Py-Cp dis rock	∢			0	0							《《是是】 建原生物保治 建建筑 医骨骨 医骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨
P4-7	163.4	Silica-Cal-Py vein	⊲			0	0			$\triangleleft$				9 ) 9
		with black band			_									
P4-8	196. 5	Reddish gray mineral dis rock		*	⊲	⊲ ⊚		<.						only inclusions in Py
P4-9	250.0	Cal-Py-Clay vein			**	ç		4						partly replaced by Goe
P4-10	349.0	Cal-Py-Lim vein				 0	4	4						
P6-1	MJF-6 180.5m	Py vein	$\bigtriangledown$			0		L			· · ·			
P6-2	181.8	Cal-Cp vein (network)	0			<ul> <li></li> <li><!--</td--><td>م ا</td><td><u>.</u></td><td></td><td></td><td></td><td>4</td><td></td><td></td></li></ul>	م ا	<u>.</u>				4		
P7-1	MJF-7 121.95m	MJF-7 121.95m Cal-Cp-Gn vein (network)	0	4		$\triangleleft$	:				0		◀	
P7-2	123. 5	123.5 Cp dis massive ore	0										4	
P7-3	276.2	Py dis alt, rock	4			0								
Abbrev	Abbreviations:				ľ									

©:Abundant O:Common ∆:Few ▲:Rare

Cp:Chalcopyrite, Bo:Bornite, Po:Pyrrhotite, Py:Pyrite, Mg:Magnetite, I&:Ilmenite, Goe:Goethite, Hematite, Sph:Sphalerite,

Gn:Galena, Mo:Molybdenite, Str:Stromeyerite

Qtz: Quartz, Lim:Limonite, Cal:Calcite, dis:disseminated, alt. :altered

Location: Yaloku

AMP PX Others OLI GOE HEM MAG MAR PYR SPH Sulfides 4 ◀ Hydroxides Carbon. 0xides. ALU JAR GYP CAL DOL DIA GB Ο 4 O ⊲ Sulfates PLA KFU 4 0 Ö Feld Ö Ò QTZ ACR TRI Silica m. 00000 S/W C/W K/W ZEO KAC HA PYP TAL Clay minerals SER 4  $\triangleleft$ 4 Ο CHI 4  $\triangleleft$ 4 4 4 SICE Ö Ο No Sample YX-- 2 YX- 3 RX- 3 RX- 6 Т –ХХ

Location : Nalotawa

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Sample			-	Jay	Clay minerals	315					<u></u>	ilic	ы Ц	Fe	ld.	Suj	Silica m. Feld. Sulfates (	S	Carl	bon.	0xid	es,	Eydr	Carbon. Oxides, Hydroxides		Sulfides	ides		Others	ι Ω
No.	No. SNE CHI SER KAG HA PYP TAL S/M	CIIIS	SER I	LAO H	A P	T II	n s'	<u>े</u> ह	C/H K/	12	ZEO QTZ ACE TRI PLA KFL ALU JAR GYP CAL DOL DIA GB GOE HEM MAG WAR PYR SPH OLI AMP PX	Z AC	B TR	I PL	A KFI	ALI	J JAR	GΥΡ	CAL	Dod	DIA	GB	GOE	HEN	IAG W	AR P	E E	С Ш	dry )	ã.
SM401	0	- · ·									0			$\triangleleft$									_							
SM415-1 0	0			4	4						0			$\triangleleft$	0 0											0				

Abbreviations: @:Abundant O:Common  $\Delta$ :Few A:Rare

SWE: Smectite, CHL: Chlorite, SER: Sericite, KAO: Kaolinite, HA: Halloysite, PYP: Pyrophyllite, TAL: Talc, Won: Wontmorillonite, S/W: Ser/Won mixed layer mineral. C/M : Chl/Mon mixed layer mineral, K/M : Kao/Mon mixed layer mineral, ZEO : Zeolite, QTZ : Quartz, ACR : d-Cristobalite, DIA ; Diaspore, GB : Gibbsite, GOE : Goethite, HEM : Hematite, MAG : Magnetite, MAR : Marcasite, PYR : Pyrite, SPH : Sphalerite, OLI : Olivine, TRI: Tridymite, PLA: Plagioclase, KFL: Potassium feldspar, ALU: Alunite, JAR: Jarosite, GYP: Gypsum, CAL: Calcite, DOL: Dolomite, AMP: Amphibole, PX: Pyroxene A:Adularia

Table 2-3-9 Results of X-ray Diffraction Analysis (Outcrops)

	Table 2						•															÷	
Sample				····	Cla	y ni	nera	ls		Sil	ica	Fel	dspar	Car	bon.	0xi			fides			hers	
No.	Location		CHL	SER	KAO	HLS	<u>TC</u>	<u>C/H</u>	<u>S/M</u>	QTZ	TRI	PLA	KFL		DOL	MAG	CKM	РҮК	MCS.	AMP	BIO	ZEO	<u>611</u>
X3- 1	MJF-3, 61.4m	0											•••••	0									• • • • •
X3- 2	195. 0	Ô		$\Delta$ ?			$\Delta$ ?				Ö	Ö		Δ						<b></b>	ļ	$\Delta$ ?	
X4- 1	MJF-4, 28.0m					0				0			$\triangle \mathbf{A}$					0				[]	
X4- 2 X4- 3	50.2	O	ľ				0			0		Ο		<u>Q</u>				<u>0</u>			· · · · · ·		
X4- 3	51.0									$\odot$				<u>0</u>			 	0					
X4- 4	70.0	$ \Delta $				$\Delta$				0		Ö		<u>.</u>			<u>O</u> ?	$\Delta$		<b>A</b> ?	Δ?		
X4- 5	100.5	∆ 0 0		$\Delta$					O?	$\odot$				0:0:0:0:0				Q		<b>]</b>			
X4- 6	117.5	O	1	<u>A</u> Ö						$\odot$	· · · ·			0				Ö					
X4- 7	136.8	0								Ο		0000	Ö										
X4- 8	160.0	0	▲?				<b>A</b> ?			0		0	$\Delta$	0				$\square$				!	ļ
X4- 8 X4- 9	190.0	0 0 0 4	▲? ▲				$\Delta$			0 0		0	$\begin{array}{c} \triangle \\ \triangle \\ \triangle \end{array}$	$\bigcirc$				$ \Delta $		<b>.</b>			
X4-10	228.0	Δ	Δ	[	1					$\odot$		Ο	$\Delta_{}$	$ \Delta $				∆ Ö	· .	<u> </u>		<u> </u>	
X4-11	250.0	1		O						$\odot$								0					
X4-12	285.0	Ö	$\Delta$ ?	▲?		***				0:0:0:0		$\odot$		Ö				$ \Delta $		]			
X4-13	315.0	Δ			·····					Ö		O	$\Delta \mathbf{A}$	0	[			$\Delta$					
X4-14	355, 0	Ō	[			•••••				ΙÖΪ		0000		0			[]		[	1			
X4-15	391.0	ĬĂ		i		•••••	Δ			0		$\odot$	O?	$ \Delta $	[		[ · · · ]	$ \Delta$ ?	{	1.	·····		
X4-16	396. 3	$\overline{\Delta}$	▲?	<b> </b>		•••••				Õ		•••••		0000	0			<b>·</b>		1	·····	[ ]	0
X5-1		Δ	Δ					$\Delta$ ?		ŏ		Ō		Ó				· .		· ·			
Y5- 2	39.7	17	0							Õ	• • • • • •	0		0000			}···∣ 	<b>A</b> ?	}	1	{	1	1
X5- 2 X5- 3 X5- 4	75.55		0 0 2?	$\Delta$ ?		•••••	••••	0?		Õ		Ŏ		lõ.			· · · · · ·	<b>▲</b> ?			1		
X5- 4	75 6	년 종	$\frac{1}{\sqrt{2}}$					$\sim$ .		Õ		· ¥.		<del>اة</del>									
X5- 5	75.6 120.5	О Д		<b>[</b>				•••••		Ö	•••••	Ö		ŏ				ō		ţ	<u></u>		
X5- 6	179 /		<u>~</u>	<b> </b>		•••••	•••••			6		ŏ		1.1	}-i	•••••		<u> </u>	}	†	†·····	·····	
X5- 7	173. 4 211. 2	A Ö	$ \Delta $	0						© 0		$\overline{\mathbf{X}}$		000	• • • • • •		;÷			†	<b> </b> ;	( )	
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X5- 8 X5- 9	219,0	$ \Omega $	$\Delta$	$\Delta$			••••	•••••		0000		K		1×	} <b>·</b>				<u>}</u>	1		<u>}</u> ∤	
X09	249.0 278.9	Ö	$\Delta$								·····	١X N		ŀð	·	· · · · ·						·	
X5-10		18						••••••				<del>اکر</del> ا		<u> .y.</u> .	·····		·			ł	·		
X5-11	285.0	0		$\Delta$	<b></b> ,		-+ 2				<b>.</b>	0 0 0		Ö	}•··		}'	  -	}	<u> </u>	<b> </b>		·····
X5-12	294.0		$\triangle$							0		Ö		lб.						<u> </u>	<b> </b>	[·····	
X5-13	299.6		$\Delta$	$\Delta$	<u> </u>					0		$\mathbb{P}$	$\Delta \Lambda$		├	<b> </b>							ŀ
X6- 1	MJF-6, 50.0m	ļ		Δ							<b> </b>		$\Delta n$	4.			•••••		·····	<b>{</b>			
X6- 2	64.0	<b>.</b>								0 0	•••••	$\left  \begin{array}{c} \Delta \\ O \end{array} \right $		[	0		·			÷••••		<b> </b>	
X6- 3	65. 5	Δ			∆?					$\left  \begin{array}{c} \\ \\ \\ \\ \\ \end{array} \right $		18	<u>O</u> A	<u></u>	ļ.:		·····	$\Delta$		<b> </b>		<b>[</b>	
X6- 4	137.4	Δ	$ \Delta $						[	0	<b>{</b>	Ö	$\Delta A$	<u>19</u>	ļ			<u></u>	<u> </u>	ł	<u> </u>	<b>{·····</b> }	
X6- 5	166.0			<u>O</u>						0			<u>O</u> A	[				0			<b> </b>	<b> </b>	ļ
X6- 6	168. 7	Ö		$ \Delta$ ?	$ \Delta $					00000	·····		OA OA	<u> </u> .≙.	19	l.,		<u>.</u>			<b></b>	!	
X6-7	176.0		Δ	Δ						$\overline{O}$		$\Delta$	0Å 0Å 0Å		$\left  \begin{array}{c} 0 \\ 0 \end{array} \right $		· · · · · ·	$\frac{\Delta}{\Delta}$		<b> </b>			
X6- 8	180.5	 								<u> 0</u>			<u> Q</u> ^	<u> Q</u>	<u>10</u>		<u> </u>	<u> </u> .	<b> </b>	·	<b>.</b>		ļ
X6- 9	181. 4			Ô						<u> 0</u>			<u>O</u>	<b> </b>	<u>LÖ</u> .		ļ	<u>A</u>		<b>.</b>	<b> </b>	<b> </b>	
X6-10	228. 0		$ \Delta $	 ▲?						Ö			<u>O</u> A		0			$ \Delta $	ļ	<b>ļ</b> .		<b></b>	
X6-11	285.3	$\Delta$	$\triangle$	<b>A</b> ?		]				O			0 A	0	ļ		ا ا		<b> </b>	<b>.</b>	l	<b> </b>	
X6-12	298.3	$\Delta$	$\Delta$	$\Delta$						0		0	Ô٨	10		<u> </u>	<u> </u>	0	<u>.</u>	ļ	ļ	ļ	
X7-1	MJF-7, 28.1m			0						() ()					0		ļ	[	ļ	<b> </b>	<b> </b>	<b> </b>	ļ
X7- 2	50.4	Ö	Δ	<b>▲</b> ?						0		0	ОЛ ОЛ ОЛ	0	0		[]	l	0?	Į	<b>.</b>	ļ	
X7-3	82. 9		Δ	$\Delta$	····· [					0			٥٨	0	Ō	$\Delta$			0			ļ	. 
X7-4	104.1		Δ							0			0A	$\odot$			l				1	<u> </u> ]	l
X7- 5	123. 4	Ö	$\Delta$	•••••						Ō			OA OA	0	[	·····		· · · ·	[	1	1		
X7- 6	120. 4	· · · ·	õ	·····	{			•••••		Ō		O	ΝĀ	0 	[	<b> </b>	[;	<b>1</b>	0	]	1	1	
X7-7	275.0	·	$\widecheck{\Delta}$	$\Delta$ ?	•••••			••-••		Ŏ	•	Ô	Δ	Ö		1	1.12	Δ		1	1	[	1
X7- 8	215.0	·····	$\Delta$		····-{				••••	Ö		000000		Õ					i-	1	1		
AI 0	631, V	لسبي	<u></u>	·	I			ليسمعها	ليسب						L	<b>.</b>	<b></b>	<u>L</u>	•	<b></b>	L	!	

### Table 2-3-10 Results of X-Ray Diffraction Analysis (Drilling Cores)

Abbreviations:  $\bigcirc$ :Abundant  $\bigcirc$ :Common  $\triangle$ :Few  $\blacktriangle$ :Rare

SME:Smectite, CHL:Chlorite, SER:Sericite, KAO:Kaolinite, HLS:Halloysite, TC:Talc, C/M:CHL/SME mixed layer mineral, S/M:SER/SME mixed layer mineral, QTZ:Quartz, TRI:Tridymite, PLA:Plagioclase, KFL:Potassium feldspar, CAL:Calcite, DOL:Dolomite, MAG:Magnetite, CRM:Corundum, PYR:Pyrite, MCS:Marcasite, AMP:Amphibole, BIO:Biotite, ZEO:Zeolite, GYP:Gypsum A:Adularia Table 2-3-11 Assemblage of Ore, Gangue and Alteration Minerals

MJF-3         Outcrops $MJF-4$ Outcrops $MJF-5$ $01-Bs$ Bs         Hb-Ad, Bs         Ad         Ad         Ad $Sm-Tri-Cal$ $K/M-S/M-Ser$ Q2-Sm-Py-         Q2-Chl-Ser-         Q2-Chl-Cal>         Ad $Sm-Tri-Cal$ $K/M-S/M-Ser$ Q2-Sm-Py-         Q2-Chl-Ser-         Q2-Chl-Cal> $SmU.$ $-Sm$ $Cal>(Chl)$ $Q2-Cal$ $SmU.$ $(Sm)U.$ $(Py)$ $-$ Py $(Goe)-(Cp) (Sm)-Cal$ $(Py)$ $(Py)$ $-$ Q2-Sm-Kao $8(Dol)-(Gyp)$ $Cal<-Sm-Chl Q2-Sm-Chl Q2-Sm-Chl  Q2-Sm-Kao$ $8(Dol)-(Gyp)$ $Cal Q2-Sm-Chl Q2-Sm-Chl  Q2-Sm-Kao$ $8(Cal) Q2-Sm-Chl Q2-Sm-Chl-$		Nayanggali	Nalota	tawa	Eastern part* of Yaloku	* of Yaloku	West	Western part of Yaloku	loku
Name01-BsBsHb-Ad, BsAdAdAltera-Sm-Tri-Cal $K/M$ -S/M-SerQ2-Sm-Py-Q2-Ch1-Ser-Q2-Ch1-Cal>tion-SmCal>(Ch1)-(Sm)-Cal(Sm)USmCal>(Ch1)-(Sm)-Cal(Sm)USmPy-(Mg)-(IZ)(Sm)-Cal(Sm)Ue Mineral-Py(Goe)-(Cp)-(Sm)-Calngue-Py(Goe)-(Cp)-Cp-Pyngue-Q2-Sm-Kao $\%(Dol)-(Gyp)$ Calngue-Q2-Sm-Kao $\%(Dol)-(Gyp)$ Calngue-Q2-Sm-Kao $\%(Dol)-(Gyp)$ Calngue-Q2-Sm-Kao $\%(Dol)-(Gyp)$ Calngue-Q2-Sm-Kao $\%(Dol)-(Gyp)$ Caltz Vein-Q2-Sm-Cal-Q2-Sm-Ch1-tz Vein-Q2-Sm-Cal-Q2-Ch1-Ser-tz Vein-Q2-Sm-Cal-Q2-Sm-Ch1-tz Vein-Q2-Sm-Cal-Q2-Sm-Ch1-tz Vein-Q2-Sm-Cal-Q2-Sm-Ch1-tz Vein-Ser-Cal-Ser-Caltz Vein-Ser-CalSer-Cal	Area	NJF-3	Outcrops	MJF-4	Outcrops	NJF-5	Outcrops	MJF-6	MJF-7
Altera-Sm-Tri-Cal $K/M$ -S/M-Ser $Qz$ -Sm-Py- $Qz$ -Chl-Ser- $Qz$ -Chl-Cal $Qz$ -Chl-Caltion-SmCal>(Chl)-(Sm)-Cal(Sm)USm $(Adul)$ $(Sm)-Cal$ $(Sm)U$ e $N$ $Py-(Mg)-(Ig) (Sm)-Cal$ $(Sm)U$ e $N$ $Py-(Mg)-(Ig) (Sm)-Cal$ $(Sm)U$ ngue- $Py$ $(Goe)-(Cp) (Cp-Py$ $(Py)$ ngue- $Qz$ -Cal>Sm-Ser $Qz$ -Chl-Ser- $Qz$ -Sm-Chl-ngue- $Qz$ -Sm-Kao $(Nol)-(Gyp)$ $Cal$ $(Cal>(Ser)>$ ngue- $Qz$ -Sm-Kao $(Col)-(Gyp)$ $Cal$ $(Cal>(Ser)>$ ngue- $Qz$ -Sm-Kao $(Dol)-(Gyp)$ $Cal$ $(Cal>(Ser)>$ neral- $Qz$ -Sm-Kao $(Dol)-(Gyp)$ $Cal$ $(Cal>(Ser)>$ neral- $Qz$ -Sm-Kao $(Dol)-(Gyp)$ $Cal$ $(Cal>(Ser)>$ neral- $Qz$ -Sm-Kao $(Dol)-(Gyp)$ $(Cal>(Ser)>$ neral- $Qz$ -Sm-Kao $(Cal-Sm-Chl) Qz$ -Sm-Chl-neral- $Qz$ -Sm-Cal- $Qz$ -Sm-Chl- $Qz$ -Chl-Ser-tz Vein- $Qz$ -Sm-Cal- $Qz$ -Sm-Chl- $Qz$ -Chl-Ser-tz Vein- $Qz$ -Sm-Cal- $Qz$ -Chl- $Qz$ -Chl-Ser-	Name	01-Bs	Bs	Hb-Ad, Bs	Åd	PY	Ad	Ad, Bs	Ad. Bs
tion tion $-Sm$ $(Adul)$ $(Sm)-Cal (Sm)U - Sm(Adul)$ $(Sm)U$ - $Sm(Adul)$ $(Sm)U$ - $Sm(Adul)$ $(Sm)U$ - $Sm(Sm)U$ - $Sm(Sm)U$ - $Sm(Sm)U$ - $Sm(Sm)U$ - $(Sm)U$	Altera-	-Tri-Cal	K/M-S/M-Ser	Qz-Sm-Py-	Qz-Ch1-Ser-	Qz-Ch1-Cal>	Qz-Adul-Chl-	Qz-Ser-Adul-	Qz-Ch1-Ca1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	5 5 5 5 5	· · ·	-Sa	Cal>(Ch1)-	(Sm)-Cal	(Sm)U	Ser-(Cal)-	Cal>Sm-(Ch1)	>(Sm)-(Adul)
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				(Adul)		(Ser)L.	(S <sup>III</sup> )	-(Py)	-(Dol)
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	· ·	4. * :		$Py-(Mg)-(I\ell)-$				Py-Cp-(Mg)-	Cp-(Pv)-(Bo)-
$- \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dre Mineral		Py	· . ·	Cp-Py	(Py)	py	(Mo)	(Gn)-(Str)
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				(Sph)					• • •
$\begin{array}{ c c c c c c } - & & & & & & & & & & & & & & & & & & $	· · · · ·			Qz-Cal>Sm-Ser	Qz-Chl-Ser-	Qz-Sn-Ch1-		Qz-Adul-(Ch1)	Qz-Adul-(Ch1) Qz>Adul-Ch1-
-(Kf) (Kf) Qz-Sm-Cal- Qz-Chl- Qz-Chl-Ser- Adul Ser-Cal Cal>(Sm)	Jangue	1	Qz-Sm-Kao	»(Dol)-(Gyp)	Cal Cal	Cal>(Ser)>	QZ-Adul	-(Ser)-(Sm)- (Ser)-(Dol)-	(Ser)-(Dol)-
- <u>Qz-Cal- Qz-Sm-Chl- Qz-Chl-Ser-</u> Adul Ser-Cal Cal>(Sm)	Nineral			-(Kf)	- - -	<pre>Kf&gt;</pre>		(Dol)-(Cal)	(Ca1)
Qz-Sm-Cal-         Qz-Sm-Chl-         Qz-Chl-Ser-           Adul         Ser-Cal         Cal>(Sm)				1					
- Adul Ser-Cal Cal>(Sm)	jacent to			Qz-Sm-Cal-	Qz-Sm-Ch1-	Qz-Ch1-Ser-	Qz-Sm-Cal-	Qz-Sm-Adul-	Qz-Ch1-Adul-
	irtz Vein	. :. 		Adul	Ser-Cal	Cal>(Sm)	Adul>Ch1	(Ch1)-(Ca1)-	Cal>(Sm)
(Bleached Zone) Py-Tc	sached Zone)			Py-Tc				(Py)	

Abbreviations:

01-Bs: 011vine-Basalt, Hb-Ad: Hornblende-Andesite, Bs: Basalt

Sm: Smectite, Tri: Tridymite, Kf: Potassium feldspar, Qz: Quartz, Chl: Chlorite, Cal: Calcite, Ser: Sericite, Dol: Dolomite, Gyp: Gypsum, Adul: Adularia, Tc: Talc, Mon: Montmorillonite, K/M: Kao/Mon mixed layer minaral, S/M: Ser/Mon mixed layer mineral, Py: Pyrite, Cp: Chalcopyrite, Bo: Bornite, Gn: Galena, Str: Stromeyerite, Mg: Magnetite, Mo: Wolybdenite, Iℓ: Ilmenite, Goe: Goethite, Sph: Sphalerite U.: upper part, L.: lower part, ( ): local, ( ): rare

\*: Rara village area

### Table 2-3-12 Results of Chemical Analysis of Ore Samples (Outcrops)

	Sample	Location	Description	Dip-strike	Width				Ore Gra	de			}
	No.				(cm)	Au g∕t	Ag ppm	Cu ppa	Pb ppm	Zn ppm	Те рря	Мо рр	
	SX401	Nalotawa	Py-Sil vein	N42°V, 90°	40	<0.005	<2	90	10	80	1.0		
	S¥402	Nalotava	Clay-Py vein	N 1°¥, 80°¥	20	0.005	<2	120	· <5	115	0.2		
	S¥403	Nalotawa	Py-Clay alt, r.	·	100	<0.005	<2	105	10	115	0, 1		ł
	SM404	Nalotawa	Py-Clay alt.r.	· _	300	<0.005	<2	75	15	55	1.4		
	SN405	Nalotawa	Py-Clay alt, r,		300	<0.005	<2	95	15	90	0.6		
	S¥406 :	Nalotawa	Py-Clay alt, r.		300	0.022	<2	90	10	100	0.3		
	S¥407	Nalotawa	Clay-Py vein	N42°V. 90°	30	<0.005	<2	35	40	35	1.4		
	S¥409	Nalotawa	Clay-Lino vein	N13°E. 85°₩	40	<0.005	<2	80	<5	135	<0.1		
	S¥411	Nalotawa	Clay-Py vein	N23°E, 80°E	60	<0, 005	<2	55	10	60	<0.1	· · .	
	S¥412	Nalotawa	Py-Clay vein	N 7°¥, 80°¥	20	<0.005	<2	65	- 10	85	<0.1		
	SX413	Nalotawa	Clay-Py vein	N18°E, 75°E	50	0.009	<2	120	15	. 75	<0.1		
	SM414	Nalotawa	Clay-Py vein	N36°E, 65°E	40	0.016	<2	80	10	35	1.8	· ·	ĺ
	S¥415-1	Nalotawa	Clay-Py vein	N13°E, 85°E	100	0.007	<2	95	30	85	1.2		
	S¥415-2	Nalotawa	Clay-Py vein	N28°E, 70°¥	100	0.006	<2	120	20	100	0.8		
	S¥416	Nalotava	Clay-Py vein	N50°¥, 85°S	5	0.024	<2	135	15	280	<0.1		
	SM418	Nalotawa	Clay-Py vein	N11°¥, 85°¥	30	<0.005	<2	55	15	55	<0.1		
	S¥419	Nalotawa	Clay-Py vein	N71°E. 85°S	80	<0.005	<2	45	10	60	<0.1		
	S¥420	Nalotawa	Clay-Py vein	N58°E, 75°N	30	<0.005	<2	80	10	90	0.5		ł
	SN422	Nalotava	Clay-Py vein	N43°W. 80°E	100	<0.005	<2	45	10	125	0.4		
	SN-7	Nalotawa	Limo network	N25°E, 50°₽	100	<0.005	<2	30	10	75	1.7		l
	Y-4A	Yaloku	Qtz vein float(wh. p.)			0.005	<2	-		_	·		ĺ
	Y-4B	Yaloku	ditto (bl. banded p.)	j. –		0.005	<2	_	- <sup>`</sup>	·			ł
l	Y-5	Yaloku	Silicified rock float	-	-	<0.005	<2	- :		-	- -	·	ĺ
1	Y-9	Yaloku	Qtz-Limo-Py vein	N83°E, 55°S	8	0.022	<2	130	9	210	1.9		
	Y-10	Yaloku	Qtz-Limo-Clay vein	N87°E, 30°S	15	0.011	· <2	120	<5	400	5.0		
	Y-12	Yaloku	Qtz-Py vein	N58°E, 50°S	3	0.041	<2	270	330	900	3. 9		
	Y-13	Yaloku	Qtz vein	N73°E, 90°	3	0.020	<2 .	270	450	120	3.1		Ŀ
	Y-14	Yaloku	Clay-Py vein	N33°₹, 60°N	10	0.030	<2	180	23	49	3.1		
	Y-15	Yaloku	Qtz vein	N87°E, 75°S	3	0. 021	. <2	210	17	70	6.0		
	Y-16	Yaloku	Qtz veín	N13°E, 80°E	20	0. 186	<2	270	40	2000	10		
	Y-17	Yaloku	Qtz vein	N87°¥, 60°S	3	0.104	<2	160	20	71	3. 8		
	Y-203	Yaloku	Qtz vein	N63°E, 85°S	5	0. 047	<2	190	. 12	39	4.6		
	RA-4	Yaloku	Qtz vein	X57-80°¥, 70°S	2	0. 008	. <2	44	8	46	5.0		l
	RA-5	Yaloku	Qtz vein	N27°¥, 90°	3	0. 006	<2	250	6	88	4.5		
	SM12	Yaloku	Qtz-Limo vein	N 7°V, 60°V	. 5	<0.07	0.4	200	600	<100	<10	<10	
l	0X3	Yaloku	Qtz-Limo vein	E-V, 60°S	25	<0.07	1. 0	300	200	<100	<b>&lt;10</b> ·	<10	
Į	OK5	Yaloku	Qtz-Limo vein	N45°E, 90°	5	<0.07	1.0	.500	200	<100	<10	<10	ľ
ł	OX6	Yaloku	Qtz vein	N25°E, 85°E	3	<0.07	<0.3	500	100	<100	<10	<10	
	OK8	Yaloku	Cal vein	N42°¥, 50°¥	5	<0.07	0.8	500	100	<100	<10	<10	
I	OK9	Yaloku	Py-Clay vein	N53°E, 60°S	15	<0.07	<0.3	100	100	<100	<10	<10	·
ľ	OK11	Yaloku	Qtz vein	X63 7, 75 S	5	0.14	2. 7	400	500	<100	<10	<10	
Í	OK13	Yaloku	Qtz-Limo vein	N52"¥, 60"S	. 5	<0.07	<0.3	<100	100	<100	<10	20	
	0814	Yaloku	Qtz-Cal vein	N57"¥, 50"S	2	<0.07	0.3	900	100	<100	<10	<10	ŀ
l	OK15	Yaloku	Qtz vein	N22'V, 75'V	2	<0.07	<0.3	100	<100	<100	<10	<10	
	OK17	Yaloku	Qtz-Cal vein	N63°E, 70°S	3	<0. 07	<0.3	<100	<100	<100	<10	<10	
l	KK6	Yaloku	Qtz vein	N-S. 84 7	1	<0.07	<0, 3	200	100	<100	<10	<10	
	KK8	Yaloku	Silicified rock	1 - L	10	<0.07	<0.3	100	200	<100	<10	<10	ĺ

Abbreviation Qtz:Quartz, Py:Pyrite, Cal:Calcite, Limo:Limonite, Sil:Silicification, alt.r.:altered rock, wh.:white, bl.:black, p.:part

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Saer	le No.	Depth	Width	<u>[</u>		Ore	Grade			
		n m	1	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Te ppm	Mo ppm
MJF-3	DC3-1	174.6~174.9	0.3	0.026	<2	190	<5	110	3.6	
MJF-4	DC4-3	$48.5 \sim 48.55$	0.05	0.043	<2	115	10	10	10.0	
	DC4-27	$50.3 \sim 50.9$	0,6	0.040	<2	115	5	30	4.0	
	DC4-1	50. 9 ~ 51. 4	0.5	0.116	<2	245	10	10	1.8	
	DC4-28	51. 4 ~ 52. 4	1.0	0.082	<2	195	5	20	3.0	
	DC4-4	60.1 ~ 60.25	0.15	0.009	<2	35	15	10	44	ł .
	DC4-29	60.25~ 60.9	0,65	0.032	<2	85	10	- 30	2.0	
	DC4-5	60.9 ~ 60,95	0.05	0.011	<2	55	20	30	5,2	
	DC4-30	60.95~ 62.1	1.15	0.029	<2	145	5	35	2.2	
	DC4-6	$64.5 \sim 64.53$	0.03	0.033	<2	65	10	10	. 17	
	DC4-7	100. 2 ~101. 2	1.0	0.163	<2	520	10	50	2.6	
	DC4-8	101.2 ~102.2	1.0	0.125	<2	500	20	135	17	
	DC4-9	102.2 ~103.4	1.2	0.160	<2	635	10	105	1.9	
1.1	DC4-31	115.6~116.6	1.0	0.318	<2	345	5.	120	1.4	
: •	DC4-32	116.6~117.6	1.0	0, 520	<2	485	5	225	2.4	н
	DC4-33	117.6~118.6	1.0	0.241	<2	760	10	155	1.8	
	DC4-34	118.6 ~119.6	1.0	0.394	<2	820	10	110	2.1	
	DC4-35	$119.6 \sim 120.6$	1.0	0. 178	<2	500	5	135	1.1	
	DC4-36	$120.6 \sim 121.6$	1.0	0.189	<2	440	15	100	1.2	
	DC4-37	$121.6 \sim 122.6$	1.0	0.126	<2	345	10	110	1.2	· · ·
	DC4-38	$122.6 \sim 123.6$	1.0	0.104	<2	275	20	90	1.2	
	DC4+39	$123.6 \sim 124.6$	1.0	0.143	<2	395	10	95	2.0	
	DC4-40	$124.6 \sim 125.6$	1.0	0.095	<2	310	10	90	1.6	
	DC4-40 DC4-41	$124.6 \sim 125.6$ 125.6 $\sim 126.6$	1.0	0. 220	<2	600	10	90	1.0 1.3	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
	DC4-41 DC4-42	$126.6 \sim 127.6$	1.0	0. 220	<2	435	10	30 75		
					<2		10		2.0	:
	DC4-43	$127.6 \sim 128.6$	1.0	0.093		335		85	1.5	
	DC4-44	128.6 $\sim$ 129.6	1.0	0.083	<2	305	10	80	1.2	
	DC4-45	$129.6 \sim 130.6$	1.0	0.085	<2	365	10	105	1.1	ĺ
	DC4-46	$130.6 \sim 131.6$	1.0	0.079	<2	395	10	90	1.0	
	DC4-47	$131.6 \sim 132.6$	1.0	0.077	<2	345	5	100	1.1	
	DC4-48	132.6 ~133.7	1.1	0.081	<2	370	5	90	1.5	
	DC4-10	144.8 ~145.0	0.2	0.091	<2	400	10	110	0.6	
	DC4-49	$145.0 \sim 146.0$	1.0	0.057	<2	190	5	80	1.0	
	DC4-11	158.1 ~158.11	0, 01	0.052	<2	210	15	155	0.4	
	DC4-2	159.4 ~159.45	0, 05	0.027	<2	180	10	785	<0.1	
	DC4-12	163.4 ~163.43	0.03	0.032	<2	205	15	255	<0.1	
	DC4-13		0.2	0.019	<2	200	20	250	<0.1	
	DC4-14	168.4 ~168.42	0.02	0.025	<2	245	25	185	0.5	
	DC4-50	196. 5 ~196. 8	0.3	<0.005	<2	155	10	260	0.2	
÷.,	DC4-51	213.0 ~213.2	0.2	0.017	<2	75	50	205	0.2	
	DC4-52	214.0 ~214.5	0.5	0. 030	<2	110	5 🖉	80	0.2	
	DC4-15	249.9 ~250.3	0.4	0.015	<2	95	15	40	1.2	1 · ·
1	DC4-53	270. 2~271. 2	1.0	<0.005	<2	75	<5	115	0.4	· .
	DC4-16	290. 6 ~290. 63	0.03	0.005	<2	40	5	155	<0.1	
	DC4-17	292. 0 ~292. 2	0.2	0.008	<2	55	15	155	0.4	•
	DC4-18	293.6 ~293.8	0.2	0.007	<2	45	45	330	<0.1	İ
	DC4-19	297.7 ~298.3	0.6	0.008	<2	60	30	180	1.1	
	DC4-54	302.7 ~303.5	0.8	<0.005	<2	45	<5	135	0.2	
÷.,	DC4-55	318.9 ~319.3	0.4	0.009	<2	35	<5	115	1.3	1
	DC4-56	$332.6 \sim 332.8$	0.2	0.019	<2	65	<5	90	2, 4	
	DC4-20	$335.0 \sim 335.01$	0.01	0.015	<2	60	15	120	2.8	
• • • •	DC4-20	$349.0 \sim 349.01$	0.01	0.008	<2 <2	55	5	125	0.6	
tan a	DC4-21 DC4-22	$349.7 \sim 349.01$ 349.7 ~350.1	0.4	0.043	<2	70	5	155	0.8	· ·
	DC4-22 DC4-57									
1. J. J.		$354.8 \sim 355.8$	1.0	0.013	<2	65	<5 75	65 75	1.1	
2 - E	DC4-58	355.8 ~356.8	1.0	<0.005	<2	60	<5	75	5 1.0	1

Table 2-3-13 Results of Chemical Analysis of Ore Samples (Drilling Cores, 1 of 3)

Sample No.	Depth	Width			Ore		al est		1.1.1
	n n	. m	Au g/t	Ag ppm	Cu ppa	Pb ppm	Zn ppm	Te ppm	Мо рра
MJF-4 DC4-59	372.1 ~373.1	1.0	0.016	<2	60	<5	105	2.0	
DC4-23	377.3 ~377.31	0.01	0.023	<2	70	10	40	0.8	
DC4-60	379.2 ~380.2	1.0	0.010	<2	70	i : <5	60	0.2	
DC4-24	382.8 ~382.83	0.03	0.016	<2	75	15	35	0.6	
DC4-25	$395.6 \sim 395.62$	0. 02	0.009	<2	40	<5	70	<0.1	ļ
DC4-26	$396.3 \sim 396.5$	0.2	<0.005	<2	35	<5	60	<0.1	
MJF-5 DC5-1	$24,37 \sim 24,44$	0.07	0.021	<2	140	7	44	1.9	
DC5-2	33. 35~ 33. 45	0, 1	0.011	<2	120	9	370	5.3	
DC5-3	39.65~ 39.75	0.1	<0.005	<2	- 59	6	211	3.4	
DC5-4	44. 76~ 44. 84	0, 08	0,005	<2	200	8	480	5.9	}
DC5-5	51.45~ 51.55	0.00	0.014	<2	66	8	180	2.9	
DC5-6	69.45~ 69.55	0.1	0.014	<2	57	6	79	4.2	[. ·
		0.1	0.005	<2	110	<5	75	1.0	2
DC5-7	$73.6 \sim 73.7$	0.1	0.017	<2	56	<5	62	2.6	
DC5-8	75.5 ~ 75.6		<0.005	<2	82	<5	8	0.4	
DC5-9	75.6 ~ 75.7	0,1	9	<2	520	6	64	2.8	
DC5-10	$75.7 \sim 75.8$	0.1	0.005	<2	2400	6	67	3.1	
DC5-11	$80.3 \sim 80.33$	0.03	0.013		2400 230	5	110	16.5	1
DC5-12	86.98~ 87.03	0.05	<0.005	<2	(	5 7		4.7	<b> </b>
DC5-13	88. 25~ 88. 35	0.1	0.021	<2	150		240		
DC5-14	$89.3 \sim 89.5$	0.2	0.013	<2	240	6	92	1.6	Į
DC5-15	116. 2 ~116. 3	0.1	0.014	<2	100	9	88	2.1	
DC5-16	120.45~120.55	0.1	0.015	<2	450	. 8	64	3.4	
DC5-17	137.4 ~137.53	0.13	0.006	<2	55	6	150	1.9	
DC5-18	149.28~149.33	0.05	0. 023	<2	6400	7	110	3.6	-  -
DC5-19	165. 2 ~165. 3	0.1	0.038	<2	460	12	290	4.3	
DC5-20	165.5 ~165.9	0.4	0.010	<2	57	<5	76	2.3	
DC5-21	211.5 ~212.0	0.5	0. 008	<2	89	[ 14	480	4.8	
DC5-22	239.2 ~239.4	0.2	0.027	<2	67	12	290	3. 9	
DC5-23	271.05~271.12	0.07	0.070	<2	170	12	74	2.7	1. A
DC5-24	274.55~274.65	0.1	0.037	<2	140	) · · · 7 · ·	220	3.9	1
DC5-25	278.7 ~279.1	0.4	0 114	<2	95	6	90	1.3	
DC5-26	284.8 ~285.7	0.9	0.013	<2	58	28	81	2.2	1
DC5-27	293. 88~293. 93	0.05	0.028	<2	240	7	71	3.2	
MJF-6 DC6-1	$63.5 \sim 64.0$	0.5	0.058	<2	98	7.	440	1.5	
DC6-2	$64.0 \sim 64.1$	0.1	0,056	<2	38	11	54	0.4	
DC6-3	64.1 ~ 64.6	0.5	0. 028	<2	110	11	1350	3.9	Į
DC6-4	64.6 ~ 65.8	1.2	0.046	<2	81	8	300	1.5	
DC6-5	86.2 ~ 86.4	0.2	0.061	<2	330	5	85	2, 1	
DC6-6	135.4 ~135.55		0.036	<2	: 79	7	1230	5.2	ļ
DC6-7	$154.7 \sim 155.0$	0.3	0.072	<2	300	310	110	3.3	
DC6-8	$154.0 \sim 157.0$	1.0	0.086	<2 .	240	20	86	7.2	<u> </u> .
DC6-9	$157.0 \sim 157.0$	1.0	0.014	<2	220	17	1980	8.3	
DC6-10	$163.93 \sim 164.1$	0.17	0.036	<2	160	11	45	2, 8	<5
DC6-11	163. 33 - 164. 1 164. 1 ~165. 0	0.9	0.037	<2	190	10	1780	9.5	8
	$164.1 \sim 165.0$ 165.0 $\sim 165.5$	0.5	0.039	3	170	35	850	5.4	<5
DC6-12		0.0	0.039	3	210	19	47	4.0	5
DC6-13	$165.5 \sim 166.3$		0.015	<2	210	13	1260	7.2	<5
DC6-14	$166.3 \sim 167.3$	1.0			220	12	1200	6.1	<5
DC6-15	$167.3 \sim 168.0$	0.7	0.047	<2				3.1	<5
DC6-16	$168.0 \sim 168.6$	0.6	0.15	<2	200		1050		1 7
DC6-17	168.6 ~169.0	0.4	0.025	<2	190	10	85	2.9	
DC6-18	175. 35~175. 6	0.25	0.014	<2	210	12	120	4.5	<5
DC6-19	175.6 ~176.2	0.6	0.052	<2	180	11	54	3.0	6
DC6-20	176.2 ~177.3	1.1	0.015	<2	180	13	360	4.5	<5
DC6-21	177.3 ~177.5	0.2	0.048	<2	190	15	1100	7,1	<5
DC6-22	177.5 ~178.5	1.0	0.031	<2	190	18	1300	6.8	<5

# Table 2-3-13 Results of Chemical Analysis of Ore Samples (Drilling Cores, 2 of 3)

Sample No.	Depth	Width			0re				
	m o	n –	Au g/t	Ag ppu	Cu ppm	Pb ppm	Zn ppm	Те ррл	Mo ppm
MJF-6 DC6-23	178.5 ~179.2	0.7	0.027	<2	190	19	110	4.4	<5
DC6-24	179.2 ~180.4	12	0.036	<2	270	17	63	2.8	<5
DC6-25	180.4 ~180.55	0.15	0.20	4	640	78	56	1.0	6
DC6-26	180.55~181.3	0.75	0.045	<2	630 -	470	78	3.1	<5
DC6-27	$181.3 \sim 181.9$	0.6	0.080	<2	170	650	2180	3.0	<5
DC6-28	190, 85~190, 95	0.1	0, 025	<2	140	22	1100	4.3	
DC6-29	195.3 ~195.35	0.05	0.059	<2	72	9	74	1.0	
DC6-30	195.35~196.7	1.35	0.036	<2	190	12	120	3.0	
DC6-31	201.8 ~202.1	0.3	0. 039	<2	250	14	130	2.8	
DC6-32	212.6 ~212.85	0.25	0.028	<2	160	8	99	3.8	
DC6-33	219.35~219.41	0.06	0.007	<2	160	8	-87	2.3	•
DC6-34	223. 45~223. 6	0.15	0.043	<2	92	7	740	4.0	
DC6-35	224.7 ~224.9	0.2	0.045	<2	230	12	1890	2.4	
DC6-36	227.7 ~228.4	0.7	0.026	<2	230	10	80	3.0	
DC6-37	229. 5 ~229. 8	0.3	0.023	<2	270	9	1550	6.6	
DC6-38	277.7 ~277.8	0.1	0.031	<2	250	31	1400	2.9	
DC6-39	285.3 ~285.36	0.06	0.015	<2	240	10	49	2.4	
DC6-40	296.7 ~297.2	0.5	0.015	<2	210	11	660	3.2	
MJF-7 DC7-1	21.65~ 21.9	0.25	0.013	<2	150	7	79	3.6	
DC7-2	22. 15~ 22. 25	0.1	0.013	<2	450	<5	68	3.2	•
DC7-3	$25.2 \sim 25.4$	0.2	0.037	<2	140	8	-59	2.0	
DC7-4	26.8 ~ 26.85	0.05	0.015	<2	120	10	1200	5, 9	
DC7-5		0.3	0.010	<2	160	11	2100	7.8	
DC7-6	$29.1 \sim 29.25$	0.15	0.114	<2	170	8	2400	1.5	
DC7-7	$76.9 \sim 77.15$	0.25	0.014	<2	120	45	120	2.9	
DC7-8	$77.8 \sim 78.8$	1.0	<0.005	<2	180	13	94	4.9	
DC7-9	82.35~ 82.38	0.03	0.040	<2	340	900	850	4.3	
DC7-10	$85.9 \sim 86.0$	0.05	0,009	<2	180	29.	2200	4.1	· ·
DC7-11	$86.5 \sim 86.7$	0.1	0,003	<2	150	17	94	9, 2	
DC7-12	$102.1 \sim 102.13$	0. 03	0.012	<2	530	177	82	6.2	
DC7-13	$104.1 \sim 104.45$	0.35	0.006	<2	210	38	110	7.0	
DC7-14	104.1 - 104.45 108.0 ~108.15	0. 15	<0.005	<2	150	12	82	4.2	e a tra
DC7-14	100.0 - 100.10 117.4 ~117.43	0.03	0.014	<2	160	13	560	10	
DC7-16	$121.0 \sim 121.1$	0.05	0. 142	14	2500	19	2100	9.3	<5
DC7-17	$121.93 \sim 121.96$	0.03	0. 086	22	4000	2100	56	1.6	<5
DC7-18	$121.95 \ 121.30$ $122.8 \ \sim 123.3$	0.05	0.005	<2	85	2100	370	3.8	<5
DC7-19	$123.5 \sim 123.53$	0.03	0. 375	880	67600	17	760	4.0	<5
DC7-20	$123.3 \sim 123.33$ 176.1 ~176.3	0.05	0.021	<2	600	27	1400	9.1	
	$180.5 \sim 180.53$	0.03	0. 021	<2	420	13	88	3.3	
	$130.5 \sim 100.33$ 191.4 ~191.45	0.05	0.027	<2	700	36	2300	6.8	
					88				
DC7-23	224. 5 $\sim$ 224. 6 246. 7 $\sim$ 247. 2	0.1	0.007	<2 <2	210	12 8	1600 450	10	
DC7-24		0.5	0.018	<2				3.5	
DC7-25	$274.0 \sim 275.0$	1.0	0.016		210	21	2100	11	1 . ·
	$275.0 \sim 276.0$	1.0	0.017	<2	190	12	2000	9.4	
DC7-27	$276.0 \sim 277.0$	1.0	0.015	<2	210	8	83	3.4	ł
DC7-28	277.0 ~277.6	0.6	0.071	<2	230	10	79	3.2	
DC7-29	$282.0 \sim 282.05$	0.05	0.011	<2	170	9	78	7.2	1 · ·
		0.4	0.005	<2	190	9	73	6.7	-
DC7-31	296.7 ~297.1	0.4	0.025	<2	141	6	77	1.6	

Table 2-3-13 Results of Chemical Analysis of Ore Samples (Drilling Cores, 3 of 3)

# PART III CONCLUSIONS AND RECOMMENDATIONS

### PART III CONCLUSIONS AND RECOMMENDATIONS

#### Chapter 1 Conclusions

Geological survey and drilling were carried out in three localities of Mba-west during the third phase of the Viti Levu Mineral Exploration Project. The following conclusions were reached as a result of the above.

(1) Nayanggali Geochemical Anomaly Zone

The surface geology of this zone consists of basalt lava of the Namosau Volcanics belonging to the Pliocene Ba Volcanic Group. The subsurface geology confirmed by MJF-3 drilling comprises basalt lava, basaltic pyroclastics, and sedimentary rocks of Saru Formation of the Ba Volcanic Group, basalt lava and basaltic pyroclastics of the Namosau Volcanics, and basalt dykes.

Mineral showings and alteration of significance are not found in this zone. A center of volcanic activities could have been located in this zone and fractures of NE-SW trend are inferred to exist in the deeper parts. The Au, As, Hg geochemical anomalies are inferred to be the products of ascending post volcanic hydrothermal fluids along the NE-SW trending fissures. Subsurface gold mineralization of this zone, if any, is concluded to be small.

(2) Nalotawa Alteration Zone

The surface geology of this zone consists of basalt lava of the Koroyanitu Volcanic Products of the Pliocene Ba Volcanic Group and dykes (basalt, hornblende andesite). The subsurface geology comprises basalt lave, basaltic pyroclastics of the Koroyanitu Volcanic Products and intrusive bodies (basalt, hornblende andesite, altered andesite).

There are many clay-pyrite veins on the surface, but evidences of gold mineralization do not exist.

On the other hand, in the subsurface parts, occurrence of gold in quartz-calcite veins, calcite veins, and clay-pyrite-(calcite) network is confirmed by MJF-4 drilling. The best part contains Au 0.176g/t in 18.10m of the drill core (include 1m of Au 0.52g/t).

In this zone, the assemblage of major gangue minerals (quartz, calcite, potash feldspar, smectite, sericite) and that of the major alteration minerals in the host rock near the veins (quartz, calcite, pyrite, smectite, adularia) is very close to that of the low sulfidation epithermal veins.

The potential for gold occurrence in the deeper parts of this zone is concluded to be high.

### (3) Yaloku Alteration Zone

The surface geology of this zone consists of andesite lava, andesitic pyroclastics of the Sabeto Volcanics of the Miocene- Pliocene Koroimavua Volcanic Group, and dykes (basalt, andesite). The subsurface geology comprises andesite lava, andesitic pyroclastics, and basalt lava of the Sabeto Volcanics, and basalt dykes.

Quartz veins, clay-pyrite veins, and calcite veins occur on the surface of this zone. These veins are divided into the western and eastern groups. Auriferous quartz veins occur in both groups and the highest grades are 12.10g/t (15cm wide) in the western group and 4.52g/t (3cm wide) in the east.

In the east, calcite-quartz network with Au 0.114g/t (sampling width 40cm) was confirmed by MJF-5 drilling, but generally the development of the veins is poor. The auriferous quartz veins exposed on the surface deteriorates downward. The potential for gold vein occurrence is concluded to be poor in the part where MJF-5 drilling was carried out.

In the west, although of low grade, a large number of auriferous veins were confirmed by drilling (MJF-6, 7). Regarding N-S trending veins, a group of relatively wide auriferous veins (Au 0.055g/t, sampling width 400cm, clay-calcite-dolomite vein; Au 0.20g/t, sampling width 15cm, pyritecalcite-dolomite vein; others) was confirmed almost at the lower extension of the exposed gold-bearing quartz vein (Au 12.10g/t) by MJF-6 drilling. With ENE-WSW to E-W veins, the grade of the downward extension of the exposed vein (Au 2.19g/t) deteriorates, but a different group of auriferous veins (Au 0.375g/t, Ag 880g/t, Cu 6.76%, sampling width 3cm, chalcopyrite vein; others) were found by MJF-7 drilling.

The common ore minerals of this zone are chalcopyrite and pyrite, with

rare association of molybdenite, bornite, galena, and stromeyerite in the west. This mineral assemblage corresponds to those of the high temperature epithermal deposits formed at relatively deeper parts.

The assemblage of the main gangue minerals is quartz-smectite-chlorite-calcite in the east while it is quartz-adularia in the west.

The alteration mineral assemblage of the host rock near the veins also differ between the western and the eastern groups. The assemblage common for both groups is quartz-chlorite-calcite-smectite with sericite in the east and adularia in the west.

The above assemblages of gangue and alteration minerals are very similar to those of the low sulfidation epithermal mineralization. Also it is concluded that the veins in the west were formed under higher temperature.

The mode of occurrence of the veins confirmed by drilling in this zone corresponds to the quartz + adularia + illite + Ag sulfides + base metal sulfide zone of the low sulfidation (quartz-adularia type) epithermal model (Berger and Eimon, 1983).

Regarding the drill holes in the west, it is inferred from the above model that the bonanza lies higher than the gold showings confirmed by drilling. This gold occurrence is only about 70m below the surface. Therefore, the potential of these veins are controlled by the topography and the direction of the ore shoots. There is not sufficient data for determining the direction of the shoot.

### Chapter 2 Recommendations for Future Exploration

It is recommended from the results of the third phase survey that the following be carried out in future prospecting.

(1) Nalotawa Alteration Zone

A total of three holes should be drilled in order to confirm the state of gold mineralization of the veins located by MJF-4. These veins are inferred to extend in the NNE-SSW direction and two holes should be drilled westward from the eastern side of MJF-4. Also one hole should be drilled

south-westward from MJF-4 in order to explore the lower parts of the NE-SW veins which exist in this zone.

### (2) Yaloku Alteration Zone

A total of three holes should be drilled as follows in order to confirm the state of gold mineralization of the auriferous veins located by MJF-6 and 7 in western part of this zone. One hole should be drilled westward for exploring the N-S trending veins to the south of MJF-6. Also one northward hole should be drilled each from the east and west of MJF-7 in order to explore the ENE-WSW to E-W veins.

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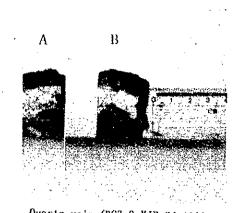
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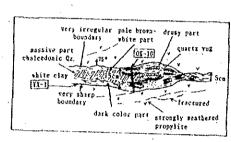
# PHOTOGRAPHS



Quartz vein (DC7-9. MJF-7drilling core)

- A ; quatrz vein untried staining test
- B ; quartz vein containing potash feldspar (yellow color) stained by sodium cobaltinitrite



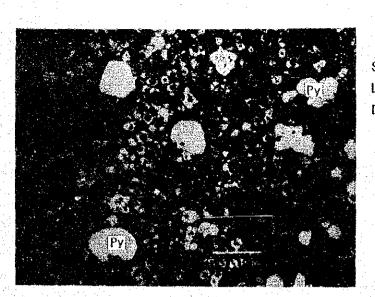


Outcrop of auriferous quartz vein (OK-10, Nasala Cr., Yaloku)



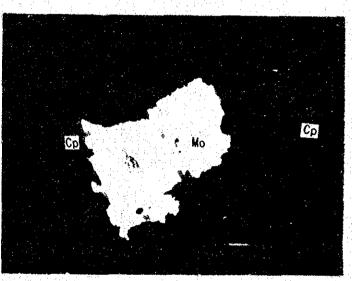
Brecciated structure of auriferous quartz vein (OK-10)

Photo 1 Quartz Veins of Yaloku Alteration Zone



Sample No.: P4-3 Locality: MJF-4, 117.0 m Description: Clay-Calcite-Py network

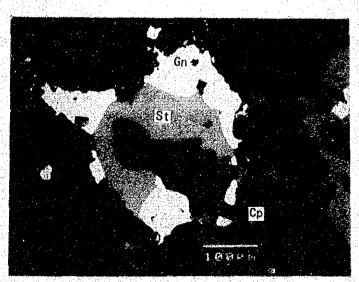
Py: Pyrite



Sample No.: P6-2 Locality: MJF-6, 181.8 m Description: Calcite-Cp vein

1.0

Mo: Molybdenite Cp: Chalcopyrite

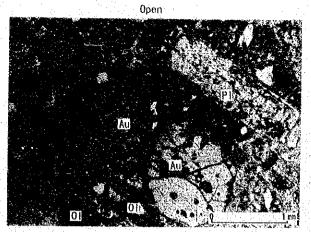


Sample No.: P7-1 Locality: MJF-7, 121.95 m Description: Calcite-Cp-Gn vein

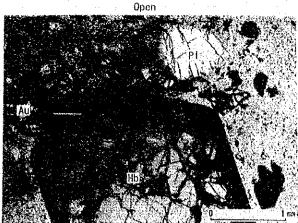
- Bo: Bornite St: Stromeyerite
- Cp: Chalcopyrite
- Gn: Galena

Photo 2 Microscopic Photograph of Polished Section

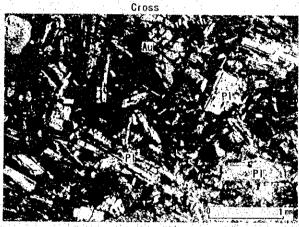
编成了重要。如果是一些问题,如果是一些问题,如果不可能是一个问题。在2013年来,在2013年来,在2013年来,在2013年来,在2013年来,在2013年来,在



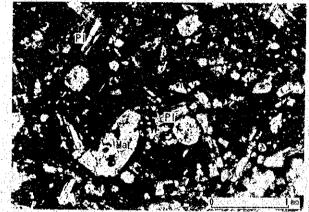
Sample No. : S3-2 Locality : NJF-3, 133.6 m Rock name : Tuff Breccia (Olivine Basalt) Formation : Bsp



Sample No. : S4-3 Locality : MJF-4, 79.1 m Rock name : Hornblende Andesite Formation : Dike (HA)

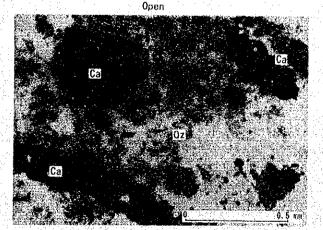


Sample No. : S4-9 Locality : MJF-4, 391.0 m Rock name : Basalt Formation : Bkb



Gross

Sample No. : S5-2 Locality: MJF-5, 236.6 m Rock name : Tuff Breccia (Altered Andesite) Formation : Ksp

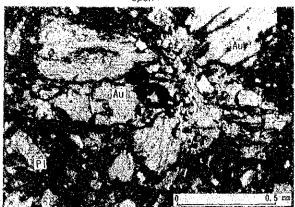


Sample No.: S6-2 Locality:MJF-6, 64.0 m Rock name:Calcite-Quartz vein

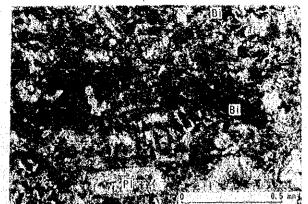
P1 : Plagioclase Au : Augite Ol : Olivine Hb : Hornblende Oz : Quartz Ca : Calcite Ma : Mafic mineral (pseudomorph)

Photo 3 Microscopic Photograph of Thin Section (1)

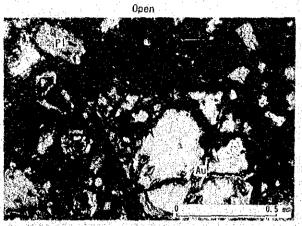




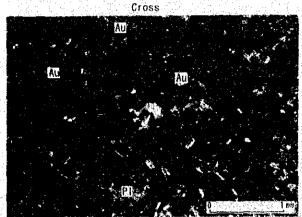
Sample No. : S6-3 Locality : MJF-6, 141.8 m Rock name : Andesite Formation : Ksa



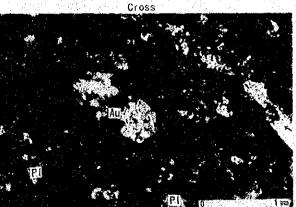
Sample No. : 56-4 Locality : MJF-6, 281.9 m Rock name : Alkali Basalt Formation : Dyke (B)



Sample No. : S6-5 Locality : MJF-6, 299.2 m Rock name : Basalt Formation : Dyke (B)



Sample No. : S7-1 Locality : MJF-7, 50.4 in Rock name : Altered Basalt Formation : Dyke (B)



Sample No. : ST-3 Locality : MUF-7, 299.9 m Rock name : Tuff Breccia (Altered Basalt) Formation : Ksb

Pl:Plagioclase Au:Augite Bi:Biotite

Calcite-Quartz vein

Photo 3 Microscopic Photograph of Thin Section (2)

# APPENDIX

## Geologic Log of MJF-3~MJF-7

#### Abbreviations

Rocks		:
Ad.	:	andesite
Adtic.	:	andesitic
br. –		brecciated
Bs.	:	basalt
Bstic.	:	basaltic
f-tf.		fine tuff
Hyal.	:	hyaloclastite
Lap-tf.	•	lapilli tuff
porph.	:	porphyritic
prop.	:	proplyitic/propylite
silts.	:	siltstone
S. S.	:	sandstone
tf-br.	:	tuff breccia
tfa.	•	tuffaceous
vol-br.	:	volcanic breccia
+	•	

### Mineralization

diss.	: dissemination
vlt.	: veinlet
vlts.	: veinlets

Minerals

Adu1.	:	adularia
Alu.		alunite
Aug.	:	augite
Bio.	:	biotite
Cal.		calcite
Ch1.	:	chlorite
Cp.	:	chalcopyrite
Gn.	:	galena
Gyp.	:	gypsum
Kao.	÷	kaolinite
No.		molybdenite
0 <i>l</i> .	:	olivine
Pℓ.	:	plagioclase
Py.		pyrite
Qz.		quartz
Ser.		sericite
Sme.	:	smectite
		sphalerite
Zeo.	:	zeolite
:		. 1 .

Alter	a	tion
argil.	:	argillisation
Alt.	:	alteration
carb.	:	carbonate/carbonitisation
cryst.	:	crystal/crystalisation
mont.	:	montmorillonitisation
oxi.	:	oxidized/oxidation
prop.	:	propylisation
Sili.	:	silicification
W '	:	weak
m	:	moderate
str	:	strong

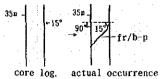
# Colour

dk.	:	dark
grn.	2	green
gry.	:	grey
bk.		black
whi.	:	white

## **Others**

altn.		alternation
b-p.	:	bedding plane
ch-m.	:	chilled margin
cos.	:	coarse
ess.	:	essential
fr.	:	fractured/fracturing
inc.	:	included
irreg.	:	irregular
mass.	:	massive
a-hd.	:	moderately hard
ndy.	:	muddy
sdy.	•	sandy
r.	:	rock
v.	:	very
2.		

dip observation



Drill hole No. : MJF-3(1) Latitude : S 17° 33. 281

Direction : \_\_\_\_ (true north) Longitude : E 117 ° 33. 83 ^

Inclination :  $-90^{\circ}$ Elevation : 120 m

······································	······			·····	·····	r				r			(1)	7
Depth	Core	Lithology	Alteration	Mineralization	R. Q. D 0~100X	Samp. No.	Au DDD	Ag	Cu กกต	Pb	Zn	Te	Мо ррп	
(ŋ)	Log.			· · · · · · · · · · · · · · · · · · · ·		.no	ppn	ppm	ppm	ppu	ppn	ppm		1
0m -	~	red~brown, soft str.weathered rock (surface soil)			50									
	~		:	-							]			
5u				-							1			
-	~		str.weathering								{			
-	~						2.5							
1														
10a <sup>. 2</sup>												ł		
	Δ.	brown, soft									- 1			
	۵	str. weathered	1 . <sup>1</sup>				· .	ł	1					
	1 .	tf-br. subangular br.												
1	•	(#<10cs)					ļ							
15¤	<u>a</u>	bad sorting (gry. soft, massive (str. westbered							ļ			ļ	[	
ī	<u>↓</u>	light in a state of the												
-	<u>م</u>	andesitic? r.block?				· ·					1 1 1			
		brown, moderately hd.												
20m	4	str. weathered							] ·					
·	Δ	compact, massive tf-br. (#<3cm)								Į .			·	
- L		bad sorting									а. н. 1			
. ~	•													
-				: .										
25m.6	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	brown, weathered f-tf. with Bs. br.												
:		brown stx, s-hard dark grn, br.					· · .							
-	v ^	brBs. (lava)			.					1		l		
20	∧ ▼	atx. oxidied	yellow clay patch											
30±		subangular br. (∳<10cm)	included		ן ן			].				• ·		
- 4	* ^	+15 <sup>™</sup>	l.			·	ļ	l pri st			1. A.	1 · · ·		
-	^	10"			ļĹ					1. 				
1		v, comp. hd. fresh										.		;
35¤		55. Of-Aug Bs.	an a				ł	la t		·				
-	^	Aug: 2~6mm	yellow-white clay											
-	^	vith oxidized cracks	in cracks	}							A			İ
-		,20*		1			ľ				·			
40m	٨	×			[-]		].	:	1.10	1				
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· -		بر 25 55°	· · ·				:							
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45m	^	<b>50°</b>			L <sub>1</sub>		1 - A.			1	:	1		
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-		-25°										1		
Į	^		and a second second	1 A second se	1	L 1	1	1	1	1	1 :	1	1	

-2-

Drill hole No. : MJF-3(2) Latitude : S

Direction : Longitude : E (true north)

Inclination : ~ 90°. Elevation :

		L.4	titude : S	TOUR T	tude : E			Eleva						(2)
			· 	······	·····					<u> </u>	DL	2.		(2) No
Dep		Core	Lithology	Alteration	Mineralization	R. Q. D	Samp,	Au	Ag	Cu	РЪ	2n	Te	
(m)		Log.	·			0~100%	No.	рри	ppa	ррл	ppu	ppm	ppa	ppn
50	<b>n</b> -	^	bk. comp. hard		-	50		1						
	-	~	(0¢)-Aug. Bs *-35 Aug:2~6mm											
{	Ĵ		≪45°				ļ	ļ		1.0	1114			
	-	٨					1							
55	8 			w-ch1??			ļ	ļ		( · · ·		Į		
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		Î.				] ] -	<u> </u>		) ·					
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60	8	ľ	brown-dk. grnbk				) ·	1	1					
		ΔV	brecciated Bs (lava)							1.1				
	۲	∧ <del>v</del>	bk. m-hard	61.4 yellow clay- Zeo, patches										
	1		sandy byaloclastite	and the second second	ļ									
4	. 8		graded(lapilli-s.s.)			۲ I		l		ļ			1 - 1 - 1	
65	 1		t <sup>5°</sup> brown∼bk.				1					·		
	-		5' (b-p.) siltsts.s.altm.				ļ			ľ		l :	ļ·	[ ·
1	·	يتينيا	interval:5mm	65. 9										
	-	[	load cast	yellow clay patch				l	Į .	l	•			
	• 8	1.1	brown, n-hard massive siltst.	1										
_			brown, n-hard cos, tfa. s. s	· ·		╎╷╷┙						a e e		
70	8 		reworked pebble of	· · ·			1	1	1	}	· ·	<b> </b> ,		<b>)</b>
	-1		siltst, included br. included partly	a an t			1						1	
4		4 4 4			ļ						 			 
1	_	<u> </u>	brown, tf-br with s.s. layer											
	1	نه ا	brown, tf, br oxi.	:			ļ		[ : `					. :
1 75	n _	• /	graded br. (#10~1cm)				}		1			1	· ·	· ·
		<u>`</u>	Bstic subangular br.		[ <sup>*</sup>		. 1		ļ	l	l		<b>.</b> .	l
			4- 25° brown, oxi. -siltsts.s. altn. 15°(b-p,)											
		۵.			1								· ·	
	-	4	brown-dk.grn. mass. comp., m-hard			ן ון	1	1	1.1.		· .			
80	_ ا		comp, m-nard Bstic, tf-br.	yellow clay patches			[· · ·							
``	-	<b>^</b>	bad sorting(#10cm±)			ł. I:	1	<b> </b>	1	1.	[		1	· ·
	-	۵	subangular br.	ta te			1	1	1		1			
	•	A 5	<sup>30°</sup> [brownish gry. fine part				۱. ·	<b> </b>	l	{ :		1		 
	-		brown-dk. grs. oxi,		1		1	l	Ĭ	1	1			
. [	-	<b>V</b> A	unclearly br-Bs			4	1	{		<b> </b> :	1.2	<b> </b> .		
85	zi. 5	<b> </b>	v. comp. hard mass.			: ·	1 ·			· ·		1 .	.	
			gradual				Į			Į	· .		1 :	
. · ·			hyaloclastite			4	,				1.			
		▼ ∧	like tf-br.								ľ			
			(\$10~20cs)					1	1	1	1.			
90	а:	∧ <del>\</del> ₹	porous Bs. br. included	1 - E			l :	· ·	1		[			
	-		br. (#5cg±, orreg.)		1	۲ · آ	1		1		1		} · · /	
	-	▼ ^	with chilled margin						1		1			
	-	∧ ⊽	bad sorting			{	]		1	1	1.12			1
									1					·
95	<u> </u>	∧ <b>v</b>						1	Į.	· ··				
90	ب													
	. ~	V ^		Carb/Zeo in pore			1				1			-
			porous Aug-Bs br				1			].	].			
	, -	^ <u>v</u>	subangular~		And the second s	1: *				1 :				
	•	▼ ∧	subrounded		1	1:				1				1
100	a -			.:					ĺ			:		
L		L					<u>ня                                    </u>							

-3-

Drill hole No. : MJF-3(3) Latitude : S

Depth

(a)

100m

105n

110m

115m

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125a-2

130a

135a

140m

145¤

150a

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. 6

.2

. 5

Core

Direction : Longitude : E (true north)

R.Q.D

Samp.

Åu

Inclination : -90° Elevation 2

Cu

٨g

Pb

Zn

(3)

Жo

Te

Mineralization Alteration Lithology 0~100% ppa No. ppm ppa  $pp_{\overline{a}}$ ppa ppa ppm Log. 50 50 ٨ v brown dk. grn. v. comp. hard hyaloclastite V ۸ bad sorting(#10cat) v. porous Aug. Bs. br. included Ā ٨ ۸ ~ 5 brown lapilli tf. cos.tfa.s.s. with siltst layer ۵ brown n-hard tf-br, ۵ Bstic(hyaloclastite) coap. ۵ bad sorting(#3~10cm) ۸ bad sorting(#20~3cm) ۸ ۵ with porous Bs br. (#3cst) ۵ Zeo, patches 120a-4 <sup>20°</sup> brown lapillitf. ←15°(b) COS, tfa.s.s.brown crystal tf.altn. Aug. rich with thin silty layer brown v-cos. crystal tf. Aug. rich brown oxi. tfa. s. s. \* with silty f-tf. ۵9 w-altered graish. layer dk. gro. ~dk. gry. comp,m-hard lap-tf large Bs. br. (#5~20cm subangular) included partly gradual 4 tf-br. grn.mineral in pore irreg.form of 4 of bre. (Mont/Cbl) large br. (#10~20cm, grnish gry porous Bs) ۵ included partly ۵ Aug-Bs block v. porous ..... ٨ ۵ Δ tf-br. Δ oxi. brown comp.m-hd. Bstic tf-br. ۵ fine part (flat) \*\*\*\* ۵ tf-br, ۵ mtx dominant Aug. crystal rich 4 -4Drill hole No. : MJF-3(4) Latitude : S

Direction : Longitude : E

(true north)

Inclination :  $-90^{\circ}$ 

Elevation :

(a) and the second sec second sec

al a substant of the standard and the

						-							(4)
Depth	Core				R. Q. D	Samp.	Au	٨g	Cu	Рь	Zn	Te	No
. (B)	Log,	Lithology	Alteration	Mineralization	0~100%		ppa	ppa	ppm	ppn	ppn	ppm	рря
150m -	Δ	brown, oxidized tf-br. Bstic.		· · · · · ·	50	1.1.1							
	4	ntx. dominant		а. С				÷ .				-	
·	-			:	l d			:			· ·		
155m	4	-											
100#	6												
-		gradual								ļ			
-											· ·		
-		vol-br. dk.gry.Aug-Bs.br.									:		
- 160e	4	(porcus, irreg.	*-alterated										
	1	subangular) dominant	(Mont?-glass)										
		comp. hard											
-	6												
-	]												
165m	<b>∧</b>												
· 	4												
-													
-	<b>^</b>							:				:	
100	<u>م</u>	oxidized			Í								
170m.5	<b>^</b> · .	"45" Aug-Bs.	w-altered(Chl?)										
· -		dk. gry. comp. v. hard	#-aiterea(UB1()										
-		70° Aug:1-2mm dyke?	· . · ·	- -									
- 1	<b>^</b>	sheared fractures with slickenside				÷ 1		i			1 v 1		
175¤			174. 6~174. 9			174. 6- 1	0. 026	<2	190	<5	110	3.6	
1104	4	*50° gradual brown, oxi, lap-tf.	yellow clay in cracks			174. 9	0. 020		150		110	0.0	
. 2	4	Bstic, Aug. rich essential	Zeo patches								1		
: ·· <del>-</del>		fine part (sdy-tf.0.1m)		н 1									
.5		brown oxi. tf-br.											
180m	Δ	Aug rich subrounded ess.br.											
		dk gry.(partly brown)											
 	•	tf-br. comp. hard	÷										
	<b>≜</b> .	bad sorting, inc. blocks	-										
. 8	Δ	br. (Bs.)		а — — — — — — — — — — — — — — — — — — —				. '			1 .		
1850.7		large blocks incl. (179.9-181.5.183.4-187.8)									÷ .		
·		v. comp. hard Aug-Bs		· ·		{							
. : 	<u>م</u> ،	blocks large blocks(#30cm±)							· .				
-		dominant		· · · .								· .	
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190.		dk, grydk. gro.	prop. (1~2)	e specification de la companya de la companya de la companya de la companya de la companya de la companya de la La companya de la comp				· · · :					,
· · ·		-brownish tf-br. Bstic									· ·		
-	4.4.	br.:#5~30cm									1		
		Mug-Bs. Aug:2~3mm br. #3cm±			:	1				1 · .			
195¤ -	4	with oxidized Bs br,	mafic m,→ Chl.						3.5	÷ :			
1994	<u>ہ</u>	(subangular, irreg.			1								
		br.)				ļ	1						
	4	5.5										<b>.</b>	1
1	۵.	<u> </u>					1						
200m	<b>A</b>				E.	:							
	4	<u> </u>	L	-5-	ասավ	I	1	L	L		<u> </u>		.1

Drill hole No. : MJF-4(1)Latitude : S 17°37.61'

Direction : 135° (true north) Longitude : E 117° 37, 21'

Inclination : -40° Elevation : 442 <sup>n</sup>

epth	Core		<u></u>		R. Q. D	Sanp,	Au	Ag	Cu	Pb	Za	Te	(1) No
(n)	Log.	Lithology	Alteration	Mineralization	0~100%		ppm	ppn	ppm	ppn	ppm	րեա	ព្វភ្គា
00	~	white clayey rock	str.weathering		50						ļ		
		soft not viscous	Str. weathering								i i		
-	~	(dry & rough)											
-		surface soil			н — а 		•			ļ			ļ
-	~												
ວົກ 		brown clay.									Ì.		
_		brown clay soft, str. viscous								[			
_	- i												ļ
-	<b>[</b> :				·		н н С						
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10m -	]								1.0	<b>i</b>			l .
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		· ·			· ·	[					2 2 - 5 - 5 - 5		
	╞╌╌╌	gray clayey, soft											
-	<b>^</b> .~	propylite				}		.   					1
-		[	propylization (M~str.)	fine pyrite diss.		Į –		[ i					
-			white argil:							<b>.</b>			
30 m	A												
.5				<u> </u>		ĺ	ļ			le de la		1.1.1 <sup>1</sup> .1	· .
		brown soft argili.Bstic.r.	str.weathering			}			1917		ł.		{
	~				Į.	ļ	ļ	l		- 19 A.			ļ
~	^		Î :		· .			: .					
 35⊈	•	gray propylite			h	1	]	] [		1.14			
	A -	a-hd.			[]	}	1	1		1.	} .		
-	۵. ۵	gruish, gray, comp. hd.	W-alt. white clay		.	ļ	{				1		
-	{	tf-br, (essential,	prop. carb.		(հ	ļ					( * -:		ŀ
-		A5" Bstic.)					[						
	· •	bad sorting (irreg. Bs. br.)				<b>1</b> .	)	1		} · ·			.
40¤	Δ .	fresh Aug.megacryst. (1cm <sup>±</sup> )	1	Py slightly diss.	ן ן י	}	۰ ۱			<b> </b>			
. 9	Δ - Δ					Į .	l	ļ		Į			· .
1.	۵	* <sup>35*</sup> fine Ad dyke with chilled margin	a de la companya de l			· ·		- ·		·			<b> </b> .
_		tf-br.		· · · ·	1L	]	]	<b>)</b>		].	) · · ·	]	.
٦	Δ	,50° sheared crack				1	1			{· · · ·			1
45m -		- outaite train	a the second	fine Py. diss.		ł .		۰ ۱			1		<b> </b> · · · ·
-1	. 4			(several X:S)		ł		La M		1			
	۵			v-sil	፡		1			· ·			·
	A	, 10~30°	<i>i</i>	fracture with Cal.		<b>.</b>	l.						<b> </b> .
_	۵			10 Km Cal Da and	{:	48.5	0.043	<2	115	10	1 10	>10. 0	1 .
.5	<u>.</u>	brecciated sheared - 60* 20ne (0.1m)	N-alt.	48.5m Cal-Py.vein (0.05m)	L, ]	48.55	0.040		110	10		1/10.0	1 • •
50m	· ·	260* 20ne (0, 1m)	A 41.	she. fr Py. diss.		1	1 .	1.1.1.1	1	1	1 1	1 1 1	[·].

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Drill hole No. : MJF-4(2)Latitude : S

Direction : Longitude : E

(true north)

Inclination :  $-4.0^{\circ}$ Elevation :

		<b>P</b> (1)											(2)	1
Depth (m)	Core Log	Lithology	Alteration	Mineralization	R, Q. D 0~1003	Samp. No.	Λυ ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppn	Te ppm	Мо ррш	
	A · · A	dk.gry.sheared zone vein _55* gry.alt.tf-br.	prop. (w~str) carb.	50.9-51.4 silica(Qz)-Cal-Py. drusy vein.comp.hd.	50	50. 3 27 50. 9 1	0. 040 0. 116	(2	115 245	5 10		4. 0 1. 8		
. <u>1</u>	A · · A	fr. -75°dk gry, alt (W)	whi.clayey(w~m) mafic m.Pl:alt. Py.diss.	Cal-Py. vlt. Py. diss.			0. 082	<2	195	5	20	3. 0		
55m .8	·····	m-hd. Bstic. tf.								-				
. ī . 3	Δ Δ	she.fr. dk.gry.alt.tf-br. 60" m-hd	■ ¥ pafic m:fresh~w-alt. Cal.net	whi-clay-Cal-Py, vlt.						-				
60a.4	Δ	{ mega. Aug. Ad. Ldyke ch-m. (0. 1m)	↓ ↓ v alt Cal films	Cal>silica-Py veins		60, 1 60, 25 29 60, 9	0. 009 0. 032		1	t i	Į		- - -	
.8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	50° *50* she, z. 60° she, z.	Py. diss	60. 1m-0. 15m vd. 60. 9a-0. 05m vd. 64. 5m-0. 03m vd.		60.9 5 60.95 30 62.1	0. 011 0. 029	· · · ·						
.1 65n.5	4	- 70° mega. Aug, tf-br,		Cal>silica-Py vlt. (wd. 3cs)		64. 5 <sup>-</sup> 6 64. 53	0. 033	<2	65	10	10	17		
-			¥-alt.											
- 70m	۵ ۵	<b>~</b> 50°		Py. v. slight Cal. films				•	•					
.2		$\frac{-20^{\circ}}{10^{\circ}}$ Ad sheet	prop. (N)	Cal.fill vesicular								- 		
-		tf-br.												
75¤	A	she. z. (0. 1¤) ↓ <sup>60*</sup>												
-	v v	40° frCal. dk.gry.comp.hd.mass. mega Aug. Ad.						:						
80a	V	•50° sheared, fractures dk. grn. argil.	Aug:T∽alt.											
	v v													
85m.5		she.fr. ≠40° irreg.fine r. part <sub>50°</sub> inc. (0.1m)		Cal-Py films 160° Cal whi, clay vlt.	  _									
	v v	совр. hē.	₩~prop.	Py-v. diss.					1.1					
90m		-50° fr-Cal.											11	
-	, v						[   .							
- 95s		+40° dk gry. she. clay		Py. diss. in she. z.										
	v													1. •
	v v	inc. mega. Aug. (2cm)												
100m.3	~ • ~	80" 50" she. z.	:	L	أسبل									

-7-

Drill hole No. : MJF-4(3)Latitude : S Direction : (true north) Longitude : E Inclination :  $-40^{\circ}$  [ ] ] .

	<u></u>	titude : S	Loug	itude : E					tion					(3)	
Depth	Core	<u></u>	<u></u>		R Q	D	Samp.	Âu	Ag	Çu	Pb	Zn	Te	No	7
(a)	Log.	Lithology	Alteration	Mineralization	0~1		No.	ppn	ррв	ppa	ppm	ppm	ppn	bba	
100m.2	V V	~65° dk gry~bk.alt. Åd.	whi also prop	100. 2-103. 4=	50		100.2~ 7 101.2 9	0. 163	<2	520	10	50	2.6		
-	$\sim$	OK BLA-DR' 911' VO'	whi.clay prop. (N-str.)	whi. clay-Py.network Py.diss.		1 f		0.125	<2	500.	20	135	1, 7		
.7	Σ.				_		102.2	0. 160	<2	635	. 10	105	1. 9		
.1		_dk.gry.clay she, Z.					103. 4								
105¤	×					ĺ							÷.		
-	· · ·			Cal-Py film net	\				:			••••			
-	$ \times $								:				•		
	v. v	←- 30°		· · ·					· .						
110m	¥ ·	t← 60* bk. alt. Åd.dyke	Cal.fill vesicular	Py. v. slight		ון		ŀ	i i						
	1 v	comp. hd. alt. vesiculous													
-	]		and the second			11	1 ÷ 1	· · ·			:				
-	] .				· [	4 <b>7</b>						a di N		[	
.4	V.	<b></b>													
115n		Aug- Ad alt.	propcarb.	CalPy.network	ן		116 0			l Le prime					
. 6		she.fr.	1					0. 318	÷ <2	345	- 5	120	1.4	ŀ	
-	×	dk gry.alt. Ad.		Py. diss. (str-M)				0. 520	~ <b>&lt;</b> 2	485	5	225	2.4		
-	<u> ~~!</u>	sbe, fr. a-hd.				ļ		0. 241	<2	760	10	155	1.8		
 120m	X		ring structure by				118.6 34	0. 394	<2	820	10	110	2.1	d	
	×.		whi.clay-Cal-Py network prop.(m)					0. 178	<2	500	5	135	1)1		
4	$\times$	she fr.		122. 4± Py. str. diss.	7		120.6 36 121.6	0. 189	<2	440	15	100	1.2		
				T-sil-carb.				0. 126	<2	345	10	110	1. 2		
	ŀγ.				{		- 38	0. 104	<2	275	20	90	1.4	· .	
125¤					:			0. 143	<2	395	10	95	2.0		
-	X.,							0. 095	<2	310	. 10	90	1.6		2
-	-				ſ		125.6 41	0. 220	<2	600	10	90	1.3		
_	X7						126.6	0. 160	<2	435	10	75	2. 0		
	X			129.3st			127.6 43	0. 093	∶ <2	335	15	85	1.5		
	V. Ŷ			Py, str. diss.			128.6 44	0. 083	<2	305	10	80	1.2		
-							129.6 45 130.6	0. 085	<2	365	10	105	1.1		٠Ì
_	X						46	0. 079	<2	395	10	90	.1.0		
. <u>1</u>	<u> -```</u>	• 35°	L.X.					0. 077	<2	345	5	100	1.1		
135a		dk gry.comp.bd.mass. alt, Aug- Ad.	prop. (V)	Py. diss.			132.6 48	0. 081	<2	370	: : : : : : : : : : : : : : : : : : :	90	1, 5		
	v	ajt, nug nu,		Cal Py-fil⊞s		1	133. 7								
					].		1	1			1				
-					ļ										
140m	v				Γ	J									
			· · ·					}							
				Cal-Py-films					1 <sup>1</sup> 1	12			· · · .		
·	Y I				`	7			<b>.</b>						
.9	v	•70 <sup>•</sup> bk-dk gry.alt. •70° Ad.		whi.clay-Cal-Py vlt.				· · ·	1.						
145@	V.	gry.porphyritic		144. 8~145. On		L	144, 8~ 10	0. 091	<2	400	10	110	0.6		
70°	V.	Ho-Aug-Ad. inc. elongated Pyxm.		drusy Cal vlt.	· ·		145.0 49	0. 057				80	1	t	
	v ·	inc. fine ~ cos, part		Py-Cp? diss.			146. 0								
· ]	J	0. 2 <b>n</b>				}				· ·	· ·				
. 5	<u> </u>	<ul> <li>50° fine part(tf)</li> <li>→ 50°grn-gry, comp, hd.</li> <li>mega Aug-Ad.</li> </ul>	<u></u>	Py. diss.					х 1	· ·				[.	
150œ		50 50	prop, (¥)	The second second second second	1.			1	[ :	1 · · ·	1.	1 1 1	10.00	<u></u>	_

Drill hole No. : MJF-4(4) Latitude : S

Direction : (true north) Longitude : E

Inclination :  $-40^{\circ}$ Elevation :

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			Altude : 5		tude : E									(4)	
De	pth	Core	1.1.1.1			R. Q. D	Sanp.	Λu	Ag	Cu	РЪ	Zn	Те	No	ļ
	n)	Log.	Lithology	Alteration	Mineralization	0~1003	No.	ppu	bbr	ppn	ppn	ppa	bbw	ppp	
15	0a '~	v	graish.gry. comp.hd, Aug-Ad,	₩~ prop,	Py. w-diss.										
	, T	<b>v</b> 1.			· · · · · · · · · · · · · · · · · · ·									-	
		v v								•					
15	5¤	ų.													
	5	v v			155. 2n± Py-Cp? w-diss.										ł
1.		v :							. *						ł
	.1	₩ v	inc.irreg.fine part		silica(Qz)-Cal-vlts. drusy		158, 1- 11 158, 11	0. 052	<2	210	15	155	0.4		ł
16	08.4	v	inc, mega, Aug, pheno		(158.1m-0.01m wd. (159.4m-0.05m wd.	1	159 4-	6 697	- 12	180	· · 10	785	<0.1		
	· _		inc.autolith(?) of	1	(163.4n-0.03n vd. (bk.band)		2 159.45	0. 021			10	100			
	. – 1	v v	Aug. cryst. accuml.				163, 4~								
	. 4		55			ľ	12 163.43	0. 032	· <2.	205	15	25,5	<0.1		
	5¤ <u>.</u> 8	i v	70°		silica-Py vlt. (wd. 1. Ocm±)				1. A.	· .	· · ·				
-		v v		<sup>.</sup> .											
	. [2	v			Cal.films		168.0~						·		
17	.4 (18	v		whi-clayey	Py. diss.		13 168.2	0. 019	<2	200	20	250	<0. 1		
	:		Aug - Ad.				168.4~ 14	0. 025	<2	245	25	185	0. 5		
	, " 	<u></u>	<u>4</u> 50°	nega. Aug. → Chl	fr-Cal.		168.42								
		<u>.</u>	20.	wega. Nog CHI	open crack with Cal.										
17	5u	Y :													
															ľ
	-	, in the second	≁45* she. fr.		Cal. film-Py. diss.										ľ
	-	v													1
18	00 			:	drusy Cal. films										
	-	, v		· · · · ·							- 14 - 15 1				
	. 6	v	<b>⊶-6</b> 0"		Py. w-diss.							•			
	-	v	fine alt. Ad. dyke with ch-m.												ľ
18	5¤	¥	whi.alt.Pℓ porph.	prop. (¢)	no Py										
	. 5	V.	+-60*	<u> </u>											
		V	dk.grn.alt.Ad.(prop) comp.hd.~ m-hd.	↑ prop. (∦~str.)	Py. v. slight	L									
	-	<u> </u>	.60° Aug:3met		Cal-Py. vlt.					:	. 11				
19	00	v v				[ ]		- 54 <sup>(1)</sup>							
[		v													
		V V	50°		109 5-				· .				l		•
1.0		v : v v			gry. silicified vlt. (1cm)	[ [							:		
19	291 				(100)						з.				l
	.5		<b>↔</b> 30°		198.5m Sp? diss.			ko. 00	5 <2	155	1	260	0. 2		
		*			Cal, drusy films 196.90		196.8	ŀ							
		•		str. prop.	clear Qz. druse (4cm)				1						
20	ປກ	<u> </u>				had		<u> </u>	1	1	<u> </u>	1	1	<u> </u>	ן

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Drill hole No. : MJF--4(5) Latitude : S Direction : Longitude : E (true north)

Inclination : -40° Elevation :

		۵٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰						r			~~~ }~~~~~	p	(5)
Depth (m)	Core Log,	Lithology	Alteration	Mineralization	R. Q. D 0~100	1.	Au ppm	Ag . ppm	Cu ppm	Pb ppm	Zn ppn	Те ррт	No
(m) 200m	v	+-70° dk, grn. prop.	prop. (str.)		11111111 50	n			<u>тъ</u> Блш		pp=		
-		(Ad,) comp. hd.								1			
-		dk. brown bre. prop. (Ad.)	carb(str.prop.)	Py, slight			. 						
205¤	V V												·
	V <b>V</b>		1										14
	V V											-	:
	v. <b>v</b>						l   .			· · · · ·			
210a 	v v	60° she br. argil.	210.5n whi.clayey										
·	V V	dk. brown	(0. 1n)						• 				
·	♥ V ~~~	br. alt. Ad. she.whi.argil.	and a second second second second second second second second second second second second second second second			213. 0- 51	0. 017	<2	15	50	205	0. 2	÷
215m_	<u>م</u>	-70° grn-vhish. tf-br.		Cal-silica in 214.3mt open frs.		213. 2 214. 0- 52	0. 030	<2	110	5	80	0.2	
. 3	<u>.</u>	inc. basic autolith (pyrox. rich)		silica-Cal.film net Py. diss.		214.5							
		whi-brown comp.alt.r. (Ad.)						·					
. 3	v v	tf-br. whish-(dk.gry.)							ļ	ļ			ļ
220¤	₩ ¥	br. prop. (Ad.)		Py. v-diss.	ן ו						:	+	
	V V												
-	v												
225¤	v											1.1	
-	v										· ·		
. ī	۷ ۵	grn. tf-br.	prop. (8. ~\$tr. )										
. 7		grnish gry, prop.											
230a	√ v v ∧	brecciated laba(Bs) comp. hd.				l							
-	≈ <i>≈≈</i> ^ ⊽	she-gry. argil.		: 			Į,		ļ				
	V ^		ſ		]								
235n 4	∧ <b>v</b>						:						
		graish.tf-br. comp.hd.	u - prop. (Aug-fresh	Du a dice									
_	۵ / ۱ ۱ م ا	inc.Ho-Ad.br. whi~gry. inc.autolith of	relatively) irreg. open crack	Py. w-diss.				a the					
- ' <u>-</u>	٤,	Aug. cryst. accuaul. (\$1~3cm)	(1mmt)			]			11				
2400													
- -	v	gry-dk gry. comp. hd.	whi.w-alt.										
	×	55" Ad. (?) inc. Bo?											
2450 5	۵ ۵	r. thin Ad. dyke	drusy Cal.films	Py. diss. (n)		] . ]]				:			
	4	(0. 1m) whi~gry, comp. hd.	prop.(x)		   .								
-	۵	tf-br. inc.autolith of	carb.		 	J i	].		· ·				
. 2	4	←50° Aug-cryst accuml. (#2~10cm)	frs Cal.			249 9~	 						
250@_9	٨	<sup>-70°</sup> propylitic Bs. she,zvein	· · · · · · · · · · · · · · · · · · ·			15 15 1250.3	0. 015	<2	95	15	40	1.2	

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, .

Drill hole No. : MJF-4(6) Latitude : S Direction : Longitude : E

(true north)

Inclination :  $-4.0^{\circ}$ 

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Elevation :

		atitude : S		ltude : E		-	Lieva						(6)
Dept	h Core		1	}	R. Q. D	Samp.	Au	Ag	Cu	РЪ	Zn	Te	No
(1)		Lithology	Alteration	Mineralization	0-100%		ppa	ppa	ppn	ppu	ppn	ppa	ppa
	3	2 vein		249. 9~250. 3n	unliuu.	110,					nher I		
2008		propylitic Aug-Bs.	prop. (w~m)	Cal-Py whitclay	50			:					
		- 50~40° coup. hd.		vein in she.z.									
	^	frs. Aug:2mmt		Py. w-diss.	L								
	^	<b>4</b> −60°											
255m	^										:		
1	<u> </u> ^												
	^												
	1	- 50 525 22.									ł		{
			[			•							
260m	1	-60° she-fr.			[ ו						1		·
	- v	-15" she boundary chilled-margin				[		:		· .		:	
1													
	-	Bo-Aug Andesite? Bo?:2cm	. <u>1</u>		ի հ					1.1			
l	-lv	nega Aug. poor		:	· .								
900	-							·	÷ .	· .	. · · ]		
265a				·	ן ו						· [		
	·	~70°		·									
	Y	1. · · ·				Į							ļ
	<b> </b> *			<b>1</b> -		ł							
	v v							:			I		
270=	_ v _	40*	:	Cal. open frs. drusy Zeo?vlt.		270, 2~					ale e		
	2	pinkish gry alt.Bs.	carb.w-sil?	Py. diss. (s)		53	<0. 005	<2	5 75	<5	115	0.4	1
						271. 2					.		
	6	55*	· · · · ·	· · ·						, :			
		and the De	(man (v)										
275n	1,1	gry. alt. Bs.	prop. (a) carb.		5								1
	+	grn-gry. Bs.											·
	-	Aug: 30m±	prop. (2)	ļ		ļ	ĺ						
	-												
	- ^												
	· /										45, 9 1		
280@	<u>ہ</u>	tf-br. grnish gry.comp.hd.	prop. (w)	Py. w-diss.	Ĺ								
1	A	inc subangular br							1.1				
		~-60°					.						
·   ·		whi-gry-brownish			ŀ				l ·				
	<b>]</b>	alt.r.(Bs)	str. carb.		I L		.						
285=	1:*	<b>-</b> −45°	(prop.)										ana Ang ang ang
				1. 								1.1	
	1	she. z. (0. 3n)										l f	
	<u> 1</u> .^	gry argil.	prop. (13)			1						а. К. 9	
· · ·	-1^	grnish, prop-Bs.										-	· ·
000	- ^	an an the state of a			լ՝ կ՝					:		 	
290m	H ^	40°		290. 5m					1		1.1		<b>.</b>
1	6	irreg. fine w-sil vlt.		Cal-Py-whi.clay		290. 5~ 16	0.005	<2	40	5	155	· <0, J	
	2	she, fr. whi, argil.	whi.clay	vlt. (0. 03m)		290.63			''			.0.1	1
	~ ^	2010, 11, MU1, 41811.	-44, 4489	Py. w-diss.		292. 0~ 17	0. 008	<2	55	15	155	0.4	
	8	she boundary 80*	whi, clay-Cal-	Py. diss		292. 2					100	0.9	
295m		alt. Ad. dyke	prop. (B)	no Py.			0.007	<2	45	45	330	<0.1	
	7	ch-a. comp. hd.			[	293. 8		1 : .	1	1		1	Į
	1.^	gry, alt, Bs.	(prop. (n)	Py. diss. (a)		1	1 · · · ·				1		
	7		[gry-whi.clayey			297. 7-	0 000	<2	60	30	100	1.8 . 1 1	.
	3 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	she, z.	gry. clay	▲Py. diss.	<b>'</b>	19 298.3	0. 008		( <sup>01</sup>		180	1.	4
		gry-whish	str. carb.										
300n		corp, hd. alt. r. (Bs)	l	1	سايليسا	. <b></b> _	1	<u> </u>			<u> </u>	<u> </u>	

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Drill hole No. : MJF-4(7)Latitude : S Direction : Longitude : E (true north)

Inclination : -40° Elevation :

(a)       Log       Lithology       Alteration       Minoralization $p = 0$ </th <th></th> <th>La</th> <th>titude : S</th> <th>Longi</th> <th>itude : E</th> <th></th> <th></th> <th>Eleva</th> <th>tion</th> <th>;</th> <th></th> <th></th> <th></th> <th></th>		La	titude : S	Longi	itude : E			Eleva	tion	;				
(a)       Log       Light brone carb(str.) (prop.)       Py, r-diss.       I'd       No.       ppa       ppi		(11.14	, , , , , , , , , , , , , , , , , , ,											(7)
(a)       Log       Lifebology       Alteration       Hineralization $3000$ No.       ppa	Depth	Core	· · · · · · · · · · · · · · · · · · ·	1		R. Q. D	Samp.	Au	Ag	Cu	РЬ	Zn	Тe	No
$     300n^{-1} \xrightarrow{-2}{} a_{1} - p_{1} e \text{ brown} \\     comp. M. Buss. all. r. (arb(ctr.) (yrop.))     Pr. +-diss. (no.)     The present of the content of the present of $	1		Lithology	Alteration	Mineralization	8 I			1 1			1017	ррш	ppn
$\frac{1}{3} \frac{1}{25} $			: 		,,,,,,,,,,				hba			- ppa		
$\frac{1}{3} \frac{1}{2} \frac{1}$	300m <sup>-1</sup>	^	whi-pale brown	carb(str.)	Py, w-diss,	SÕ .				(				
$\frac{1}{3350} = \frac{5}{4} + \frac{5}{10}		<b>^</b> .	Comp. no. mass. alt. r.	(prop.)							. 3			
$\frac{1}{305} = \frac{1}{25} = \frac{1}{30} = \frac{1}{2} = $		1 🔒					302.7-							
$305u = \frac{A}{A}$ $305u = \frac{A}{A}$ $316u = \frac{A}{A}$ $316u = \frac{A}{A}$ $316u = \frac{A}{A}$ $316u = \frac{A}{A}$ $315u			she-frs-Cal.		· .		54	KO. 005	. (2	45	<5	135	0.2	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 .						303.5						( )	
$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c}$	305m	A				:								
$310a = \frac{1}{2} \frac{1}{$		<b>\</b> ^				i l'	} · ·	{ ·				1		
$310n \frac{1}{2} \frac{1}{9} \frac{1}{40^{\circ}} \frac{1}{c^{2}n} \frac{1}{10^{\circ}} \frac{1}{c^{2}n} \frac{1}{c^{$		^	50-60" IrsCal.		Cal. TILES	.							1 *	
$310a - \frac{1}{2 \ \psi \ s}^{-35^{\circ}} \ grn. alt. \ Ad \\ - \frac{1}{2 \ \psi \ s}^{-35^{\circ}} \ grn. alt. \ Ad \\ - \frac{1}{2 \ \psi \ s}^{-35^{\circ}} \ grn. alt. \ Ad \\ - \frac{1}{2 \ cosp. bd.} \ str. \ prop. \ Py. \ diss. (a) \ Py. \ diss. (b) \ Py. \ diss. (b) \ Py. \ diss. (c) \ Py. \ diss. \ diss. Py.$	1 -	1.			1	'רק '								
$310a - \frac{1}{2 \ \psi \ s}^{-35^{\circ}} \ grn. alt. \ Ad \\ - \frac{1}{2 \ \psi \ s}^{-35^{\circ}} \ grn. alt. \ Ad \\ - \frac{1}{2 \ \psi \ s}^{-35^{\circ}} \ grn. alt. \ Ad \\ - \frac{1}{2 \ cosp. bd.} \ str. \ prop. \ Py. \ diss. (a) \ Py. \ diss. (b) \ Py. \ diss. (b) \ Py. \ diss. (c) \ Py. \ diss. \ diss. Py.$							ĺ				ł,			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1 1	1			i j		1		} '				
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$320a_{\frac{1}{2}} \xrightarrow{\land} 6b^{-} \text{frs} - \text{Cal.}$ $4b^{\circ}$ $she - \text{vhi. clay-Cal.}$ $\land 6b^{\circ} \text{ fr} - \text{Chl-Cal.}$ $325a_{-} \wedge 6b^{\circ} \text{ fr} - \text{Chl-Cal.}$ $325a_{-} \wedge 6b^{\circ} \text{ fr} - \text{Chl-Cal.}$ $330a_{-} \wedge 6b^{\circ} \text{ fr} - \text{Chl-Cal.}$ $330a_{-} \wedge 6b^{\circ} \text{ fr} - \text{Chl-Cal.}$ $330a_{-} \wedge 6b^{\circ} \text{ fr} - \text{Chl-Cal.}$ $(3c)_{-} \wedge 6b^{\circ} \text{ fr} - \text{Chl-Chl-Cal.}$ $(3c)_{-} \wedge 6b^{\circ} \text{ fr} - \text{Chl-Chl-Cal.}$ $(3c)_{-} \wedge 6b^{\circ} \text{ fr} - \text{Chl-Chl-Cal.}$ $(3c)_{-} \wedge 6b^{\circ} \text{ fr} - Chl-Chl-Chl-Chl-Chl-Chl-Chl-Chl-Chl-Chl-$		1^			1 ·									
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$340_{B} \xrightarrow{\wedge} -50^{\circ} \xrightarrow{\circ} -50^{\circ} \xrightarrow{\circ} -50$	3358	^	60°		]	]፦	335.0-	0.000		00	1=	120	2.8	11
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$340_{B} \xrightarrow{\wedge} 50^{\circ}$ $340_{B} \xrightarrow{\wedge} 40^{\circ} \text{ she-Chl, argil.}$ $Chl. (Aug.) 2-3a_{B}$ $Py. \text{ diss. (n)}$ $Cal. \text{ films}$ $Cal. \text{ films}$		<b> </b> ^			Qz-Cal-Lim-Py									l ·
$340n \xrightarrow{\wedge} 40^{\circ} \text{ she-Chl, argil.} Chl. (Aug.)2-3nn Py. diss. (n)$ $\xrightarrow{\wedge} 60^{\circ} \xrightarrow{\wedge} 60^{\circ}$ $\xrightarrow{\wedge} 7^{\circ} \text{ grnish, whi.} whi clavey$	1 .	· ^		ł	vlt. (0, 005a)	1	Į.		l ·					
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$340 \text{m} \land 40^{\circ} \text{ she-Chl, argil.} Chl. (Aug.) 2-3a \text{m} Py, diss. (m)$ $\land \land 60^{\circ} \circ 60^{\circ} \circ 60$	( -			1 · · · · · · · · · · · · · · · · · · ·			t		(	l	Į			l
Cal. films		4		Ch1 (1	Py dies (m)		Į	[			· ·			
Cal. filps	340 <sup>m</sup> _	·	-40" she-Chl.argil.	CD1, (AUg. )2~300	17. 0108. (W)	ļ	( ·		Į	la sur	[	<u>ا</u> :	<b> </b>	
grnish, whi.		^			i	·   ·	'	T			- S			
grnish, whi.		<u>^ </u>	- col		Cal. films		1 -		<b> </b>	<b>[</b>			[	
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A grn~gry~dk. grn. str prop.	j l			str prop.	1 · ·		349.0-		.	- n.	1.1			
	[ 1		N			<b>}</b> : <b>}</b>	21	0.043	<2	55	5	155	0.6	. '
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$350 \text{ m}$ 7 $^{-60^{\circ}}$ she. z. $349, 1-350, 1^{\circ}$ yit $220, 010$ (2 10 3) while clay-Cal-Py $Py, diss.$ (0, 005a) with $220, 010$ (2 10 3)	L	·		349. 7-350. In	349.0z	╎╴╻┙	22	0. 016	<2	70	5	75	0.8	

-12-

Drill hole No. : MJF-4(8) Latitude : S

14

Direction : Longitude : E (true north)

Inclination :  $-4.0^{\circ}$ Elevation :

														(8)
ł		1						r						
	Depth (n)	Core Log.	Lithology	Alteration	Mineralization	R. Q. D 0~100%	Samp. No.	Au pp#	۸g ppm	Cu ppm	Pb ppg	Zn ppa:	Те ррп	No ppm
•	350m	V ^ ^ V	brecciated unclealy prop. comp. massive	prop. (n~str. Chl. (Aug. 2mn±)		50 50								
	5	V A	ОШР, назвате	· · · · ·			354. 8~							
	355¤.2	<b>^</b> · · · ·	-70° gry. alt. r.	whi-clayey w-sil?	Py. str. diss.		355.8	0. 013 <0. 005	<2 <2	65 60	<5 <5	65 75	1.1 1.0	
		^	-75° she, fr. dk. grn. comp. hd.						-				-	
	360a		propylitic Bs.	prop. (n)	Py. w-diss				-					
	·	^		··· · · ·	open fr. Cal. (lmm±)		-				. •			
	.7_ 365⊉		gry~whish. alt. prop.	whi.clayey (w~s) str.prop.	Py.diss. (a)						-			
		· · · ·	·#- 75°		open fr-Cal. (10m±) Cal.films									
	370¤	· · ·	∽ 50° ∽75°	'	Cal.filws Cal.filws				-					
	-	· · · · · · · · · · · · · · · · · · ·	∽65° she.fr. ~50-55° sbe-frs-Cal.		Py. diss. (n-str. )		372. 1- 59 373. 1	0. 016	<2	60	<5	105	2. 0	
	375m	^	50° dk. gra. prop. she-fr.	prop. (n)										
	-	^ _ ^	~~60~65°		377.3n Qz-Cal-Py.vlt.(1cm)	ļ		0.023	· <2	70	10	40	0. 8	
	- 380¤	^	~-65° she-fr-w.sil.		with bleached z. (2~5cm)		377. 31 379. 2~ 60 380. 2	Į	: <2	70	<5	60	0. 2	
	··		frsCal \$60° dk.grygrn. alt.Bs. (prop.)		382. 8n		382. 8-					35	0.6	
	. 8 385¤	V V V	55° dk gry. 50° she.argil. fine ch-m.argil. alt.Ad.dyke		Cal. vlt. in she. z. (3cm)		382, 83	0. 016	<2	75	15	00	0.0	
	-4	∧   ∧   ∧	dark grn. m-hd. v. hd. comp. prop. -70-80*	prop. (m~str.)	Py. v. slight									
		^ 	~~70~80° frs. ~~65° fr.	carb. (∀~n)										
•		^ ^	←80° fr.	w-prop.										
	-		←70° ←45~60° frs.		open fr. (1mm±) grn.clay-Cal~Py.								:	
	395m . 6 . 3	^ ^ ^	-60* •-75≪		395.6m dk.gry.w-silicified 396.3m vit.(0.02m)		395, 6 25 395, 6	0.009	<2	40	) K	70	<0.1	
	-		50*		Cal-Gyp.vein (0.2m)		396, 3 2( 396, 5	sko. ooi	5 <2	35	<5	60	<0. 1	
	400m 401. 00m			Aug, pheno: v. w. alt.~ fresh							<u> </u>			
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Drill hole No. : MJF-5(1)Latitude : S 17° 40. 58'

Direction : 90° (true north) Longitude : E 117°38.44'

Inclination : - 50° Elevation : 570m

epth	Core			Γ	R, Q, D	Samp.	Au	٨g	Cu	Pb	Zn	Te	No
(B)	Log.	Lithology	Alteration	Mineralization	0~100%		ррп	ppn	ppn	рра	ррв	ppz	ppā
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10 <u>n</u>		comp. fi-hd. with grn. prop. br.					· ·				- 22		
		brown oxi. stx.	ł		<u> </u>							· .	
		angular br.											
-	ΔV			Cal. film		·							
_	<u> </u>	⊷-20° Cal.	weathering(¥)	Cal, III			Į		ł	[		Į	l
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-	4	∮20~30cm blocks inc.										ĺ	
-	v * ,	⊷ 55" fr.				·		:					
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20a -		~35° fr. ∽70° fr.			ר ו							j .	
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-	V 0	45° b−p. fine part sorted grn.	- <u>*</u>					!					
- 8		₩~40° she-11, 83,811,	prop. (str. )		ļļ	}	ł						ŀ
-	√∙ه	dk.purple	yeathered	1	i .			:		<b>.</b> .	l ·	1 · ·	
· .	V A	35° grn (purple) 30° essential tf-br.		24. 2-24. 7a		24.37-	• •	1 ·					
25 n		30° essential tf-br. /Byal. comp. hd.	grn.clayey alt.	Py. g-diss.		24. 44	0. 021	<2	140	7	44	1.9	
	4	l aro ese lanatf		24.4m Cal.vlt.(wd.1cm)	ן ו			. :				. :	
-		comp. hd.		24.78		ļ	ľ						{
-	- ő			Cal. vlt. (wd. 0. 5cm)						1		· .	ŀ
	3	Į		Cal films	Į ľ		Į	l	• · ·	Į	l	1	l
30¤	A V	⊷-55* fr.					1.1					1 · · :	
908 ~~~	<u>م</u> ۲	purplish mtx.				1.				1 · ·			
-	A V	grn, prop. br. rounded		<b>)</b>	<b>ل</b> ے ` ا					<b> </b> .		1.	ŀ
~	V A	-45-65 shefr.											
. 2	A V	4-10-00 +				33.35-		Į .	l			the set of	
.4	V A	←50′ she -fr.		33.4n		2 33. 45	0. 011	<2	120	9	370	5.3	
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	Δv	grn. Ad. br. predominant			1		1		· ·	} · ·	1	1	1
	1	irreg. ess. form											1.
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		~ 45° fr.	· .					· ·					
~	∆ `V		prop. (str.)	39. 5~39. 97		39.65~ 3	k0. 005	<2	59	6	211	3.4	1
0 <u>0</u> .1	1 J	₹~45°		Py w-diss.		39. 75		]		"			1
_	V A		, . 	39.7m Qz-Cal-Py.vlt.			1					÷ .	
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-	V 4	:			l: [	44.76~		l	1 · .			1	[****
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6				Qz-Cal-Lim film		44. 84			1.1		1967 - N.		l
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-14-

Drill hole No. : MJF-5(2) Latitude : S

Direction : Longitude : E

(true north)

Inclination :  $-50^{\circ}$ Elevation :



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- そうなどの意思の思えたいたいで、現代展示の人気を発見ていた。

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$\begin{array}{c} \begin{array}{c} 1 \\ 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\$	(1)	Log.	ar chorogy	AItClation	a morariza cron	0~100%	No.	ppa	ppu	ppm	ррв	ppm	ppu	ppn
$\begin{array}{c} \begin{array}{c} 1 \\ 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\$	50a		grn-purple	prop. (str, )	51.0-51.8e	717371111 50	[							
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-		Comp. hd.		v, fine Py. w-diss,	4		0.014	<2	66	8	180	2.9	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					Cal-gry clay vit.		51, 55							
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Drill hole No. : MJF-5(3) Latitude : S

(i) A set of the se

(true north) Direction : Longitude : E

Inclination : - 50° Elevation :

	<ul> <li>essential tf-br.~</li> <li>A (Byal. ~ lap-tf.</li> <li>Xiii - 35° fr.</li> <li>40° b-p.</li> <li>tuff dk.purple</li> <li>bedded inc. lapilli</li> <li>inc. bk. sdy. f-tf.</li> <li>"tf. purplish "grnish.gry bedded 40°</li> <li>40° fr. cos- fine</li> <li>grn. prop. pebble</li> <li>purple mtx.</li> <li>volcanic Cgl.</li> <li>410° 40°cs</li> <li>v. cosp. bd.</li> <li>tf.</li> <li>"30-40°</li> <li>45° tf-br. ess. rounded brec.</li> <li>mtx. oxi. brown</li> <li>245° b-p</li> <li>bedded tuff grn.</li> <li>-70° fr. in tf.</li> <li>* rounded brec.</li> <li>ess. tf-br. cosp. hd.</li> <li>45° tr-Lim.</li> </ul>			Mineralizatic 102.0-102.1m Py.w-diss. 116.2m Cal-Lim vlt. (0.5cm 116.1-116.4m Py.w-diss. bleached, Cal fill 120.5m drusy Cal.vlt.(C 120.3-120.8m bleach-w.Py.dis	) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	116. 2~ 15 116. 3	0. 014 0. 015						
	<ul> <li>A /Byal. ~ lap-tf.</li> <li>A0° b-p.</li> <li>toff dk, purple</li> <li>bedded inc. lapilli</li> <li>inc, bk, sdy. f-tf.</li> </ul>	grn. clayey		Py. w-diss. 116.2m Cal-Lim vlt. (0.5cm 116.1-116.4m Py. w-diss. bleached, Cal fill 120.5m drusy Cal. vlt. (1 120.3-120.8m	) 15	F16. 2~ 15 116. 3							
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	<ul> <li>inc, bk, sdy. f-tf.</li> <li>if, purplish sgrnish, gry bedded 40°</li> <li>40° fr. cos- fine grn. prop. pebblc</li> <li>purple mtx. volcanic Cgl.</li> <li>410~40cs</li> <li>v. cosp. bd.</li> <li>tf.</li> <li>30-40°</li> <li>45° tf-br. ess. rounded brec. ntx. oxi. brown</li> <li>45° bortom slumped</li> <li>bedded tuff grn.</li> <li>-70° fr. in tf.</li> <li>rounded brec.</li> <li>ess. tf-br. cosp. hd.</li> <li>68° fr-Lim.</li> <li>45° tr-br. lap-tf.</li> </ul>			Cal-Lim vlt. (0.5cs 116.1-118.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	15	116.3							
	<ul> <li>inc, bk, sdy, f-tf.</li> <li>if, purplish grnish, gry bedded 40°</li> <li>40° fr. cos- fine grn. prop. pebble purple mtx. volcanic Cgl.</li> <li>410~40cs</li> <li>v. cosp. bd.</li> <li>if.</li> <li>i</li></ul>			Cal-Lim vlt. (0.5cs 116.1-118.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	15	116.3							
	<ul> <li>tf. purplish</li></ul>			Cal-Lim vlt. (0.5cs 116.1-118.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	15	116.3							
	<ul> <li>tf. purplish grnish. gry bedded 40'</li> <li>40' fr. cos- fine grn. prop. pebble</li> <li>purple mtx. volcanic Cgl.</li> <li>410-40cs v. cosp. bd.</li> <li>tf.</li> <li>30-40'</li> <li>45° tf-br. ess. rounded brec. mtx. oxi. brown</li> <li>45° b-p</li> <li>bedded tuff grn.</li> <li>80° bottom slusped</li> <li>45° fr-Lis.</li> <li>65° fr-Lis.</li> <li>45° tf-br. lap-tf.</li> </ul>			Cal-Lim vlt. (0.5cs 116.1-118.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	15	116.3							
	<ul> <li>grnish. gry bedded 40°</li> <li>40° fr. cos- fine</li> <li>grn. prop. pebble</li> <li>purple mtx.</li> <li>volcanic Cgl.</li> <li>410-40cs</li> <li>v. cosp. bd.</li> <li>45° tf-br. ess.</li> <li>rounded brec.</li> <li>mtx. oxi. brown</li> <li>45° brp</li> <li>bedded tuff grn.</li> <li>-70° fr. in tf.</li> <li>45° fr-Lis.</li> <li>65° fr-Lis.</li> <li>45° tf-br.</li> <li>a tf-br.</li> <li>a tf-br.</li> <li>a tf-br.</li> <li>a tf-br.</li> <li>a tf-br.</li> <li>a tf-br.</li> <li>a tf-br.</li> <li>a tf-br.</li> </ul>			Cal-Lim vlt. (0.5cs 116.1-118.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	15	116.3							
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	<ul> <li>tf.</li> <li>30-40°</li> <li>45° tf-br. ess. rounded brec.</li> <li>htt, oxi. brown</li> <li>25° b-p</li> <li>bedded tuff grn.</li> <li>bedded tuff grn.</li> <li>betded tuff grn.</li> <li>counded brec.</li> <li>a° rounded brec.</li> <li>ess. tf-br. comp. hd.</li> <li>a tf-br.</li> <li>tf-br.</li> <li>tf-br.</li> <li>tg-tf.</li> </ul>			Cal-Lim vlt. (0.5cs 116.1-118.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	15	116.3							
.3 .1 .1 .3 .4 .3 .4 .20 .1 .1 .4 .5 .1 .1 	<ul> <li>tf.</li> <li>30-40°</li> <li>45° tf-br. ess. rounded brec. mtx. oxi. brown</li> <li>25° b-p</li> <li>bedded tuff grn.</li> <li>80° bottom slumped</li> <li>40° rounded brec.</li> <li>ess. tf-br. comp. hd.</li> <li>45° fr-Lin.</li> <li>45° tf-br. lap-tf.</li> </ul>			Cal-Lim vlt. (0.5cs 116.1-118.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	15	116.3							
20 1	<ul> <li>45° tf-br. ess. rounded brec. ntx. oxi. brown</li> <li>245° b-p</li> <li>245° b-p</li> <li>bedded tuff grn.</li> <li>30° bottom slumped</li> <li>45° rounded brec.</li> <li>46° rounded brec.</li> <li>465° fr-Lin.</li> <li>465° fr-Lin.</li> <li>47 lap-tf.</li> </ul>			Cal-Lim vlt. (0.5cs 116.1-118.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	15	116.3							
201 7 4 201  <ul> <li>45° tf-br. ess. rounded brec. ntx. oxi. brown</li> <li>45° b-p</li> <li>bedded tuff grn.</li> <li>80° bottom slumped</li> <li>70° fr. in tf.</li> <li>60° tortom. comp. hd.</li> <li>65° fr-Lin.</li> <li>45° tf-br. lap-tf.</li> </ul>			116.1-115.4m Py.w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.C 120.3-120.8m	15	20 45	0. 015	<2	450	8	64	3.4		
2011 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	ntx. oxi. brown $245^{\circ}$ b-p bedded tuff grn. $45^{\circ}$ bottom slumped $45^{\circ}$ rounded brec. $45^{\circ}$ rounded brec. $45^{\circ}$ rounded brec. $45^{\circ}$ rounded brec. $45^{\circ}$ rounded brec. $45^{\circ}$ fr-Lin. $45^{\circ}$ fr-Lin. $45^{\circ}$ fr-Lin. $45^{\circ}$ fr-Lin. $45^{\circ}$ fr-Lin. $45^{\circ}$ fr-Lin. $45^{\circ}$ fr-Lin. $45^{\circ}$ fr-Lin.			Py. w-diss. bleached, Cal fil 120.5m drusy Cal.vlt.( 120.3-120.8m	(c#)	120. 45- 16 120. 55	0. 015	<2	450	8	64	3.4	
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2 25m.9 .1 .1 	<ul> <li>→ -70° fr. in tf.</li> <li>→ rounded brec.</li> <li>→ ess. tf-br. comp. hd.</li> <li>→ -65° fr-Lin.</li> <li>→ tf-br.</li> <li>→ 1ap-tf.</li> </ul>			120. 3-120. 8=		16 120. 55	0. 015	<2	450	8	64	3.4	
25m. 9 4 .1 " .5 " .30m " .1 4	<ul> <li>▲ rounded brec.</li> <li>▲ ess. tf-br. comp. hd.</li> <li>▲ -65° fr-Lin.</li> <li>▲ tf-br.</li> <li>→ lap-tf.</li> </ul>	strprop.			s.								
250.9 A .1 " 	△ → 65° fr-Lin. → tf-br. → lap-tf.												
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30m " .14	" tf. bedded 140'			1			1						
.5 30 .1 2	*					Į							
.1 2	<pre>// cos.tf. // (partly lap-tf.)</pre>	]					]						]
.1 2	fine tf. (0.1a)												
.2	tf-br.		·										
. 8	▲ b-p./49*						1						
7	4			· ]			ļ		ļ			.	
۵ -	v grn. ess. tf-br.					1	1	· ·					
350	▲ /Eyal. 	1	•										
-	45° b-p partly	l		ļ					ļ				
- v - a			5	137. 40~137. 53 <b>=</b>		137.4~							
				Cal.films (0.5c	1)	137. 53	0.006	<2	55	6	150	1.9	
<b> </b> * :	: · [			137.900 Cal.filus		1.01.05		[ · · ·	l				
40m	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ļ		Cal. patches	<b>.</b>			1					
·-{	i ina blocka												
4					· ] ·						·		· ·
ľ		]		a sa sa sa sa sa sa sa sa sa sa sa sa sa		]	ţ.						
45m ~	[	[						:	a an	:			
.1-2-	7/ - 60° Cal-fr.	:											
- a"	1 120 121	prop. (str. )											1
.2 5"				1.	1	11	I I	1 : 1	i i				· ·
<b>^</b>	v. comp. hd.	i .				Į –	0. 023		1 · ·	1			1

-16-

Drill hole No. : MJF-5(4) Latitude : S Direction : Longitude : E

(true north)

Inclination : -50° Elevation :

						-							(4)
I	·											T	·····
Depth	Core	Lithology	11+000+100	) )ftman 1 tmation	R, Q, D	Samp.	Λu	Åg	Çu	Pb	Zn	Te	No
(m)	Log.	Lithology	Alteration	Mineralization	0~100%	No.	ррл	ppn	ppa	ppm	ppn	рра	ppn
	4"			·····									<u> </u>
150m		lap-tf. v. comp. hd.	prop. (str.)	1	50							]	]
.8		grn,											
-	Δ. ν.	A. S. Marco (Data)		{								· [	[
	1. <b>.</b>	tf-br. ess. /hyal.		:									.
	1	grn~ (purple)										.	
1550	<b>√</b> ∧	oxi, partly		(				l	l			·	[
100		margin of breccia.		1									1
	A V												
1 -								ł				· · [	l
	∫v ∆				א ו						1		
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	نة بر	cry fu fol	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
160m;1	11 74	-65° fr-Cal.						1					j
1 2	AN AS	40° Bs. dyke~sheet			[: <b>\</b>				[				
-	A V	v. comp. hd,						-					
	Į.	with oxi.margin	· .					:					
	V A	- DO <sup>®</sup>											l
	A A	20° 1(dk. grn.alt.		<ul> <li>March 1999 And Decker</li> </ul>									1
.3		Bs. dyke ~ sheet		ł	[								
1650	t°°.	with oxi, margin		Į	ļ l								
1000	Y . 4		ĺ	line o	1								
	<b>A</b>	≪-25° she-clay ←-35°	l .	165.20 db gro clav	:	165. 2~	0. 038	:			000	· , .	ļ
[		grnish purple		dk. grn. clay -Py. diss.	ļļ	19	0. 038	<2	460	12	290	4. 3	. [
		tf-br./Ryal.		(ud. 0. 5cm)		165.5~							
		(1 01./11)21.	Part and the second	165.9m Cal.films		20	0.010	<2	57	×5	76	2.3	
1 -	l× ≜					165, 9	01 040					2.0	ļ
		compaction good	1	164. 7-165. 9#									
170a	ΔV	COmpaction Rood		Cal.films								;	н <u>н</u> н
1 -	1				l ·					ļ			ļ
-			TA I										
	V 4												
1 -	1	·	bleached slightly	l			Į	Į					
- I	A V							· .	1 · ·				
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175m ~	v ∧						<b>.</b> .	ļ			:		
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1 -	▲ ¥						ļ	. · ·	[	( ·			. 1
- I				· ·	{				in the fee	· ·			
	V A												
	].		1	t and the second second	ļ		ļ	1.	ļ	l -	{		
1		- 25° b-r +f (f) 2a)					ļ			1			
1808.2		← 35° h-p. tf. (0.2m)		:				l					•
- I -	]						i i			ľ	1 11		- 1
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·	A Y	· · · ·	1	a a a				1 :	ł	ł	1.1	· ·	.
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185m	Y: A			<b>}</b> .	1 I			<b>}</b> → +	١.			<b> </b>	j.
· ] · 🕂				the second second second second second second second second second second second second second second second se						· ·	a - 125	1	
	A V			1			·			1		<b>1</b>	
1	2-2-3	⊷ 35° b-p.		1	<u>۱</u> ۰۰۰		1	<u>۱</u>	ł	1	1 .		1
	V A	incalate tf.		1	]		1		- N	1.1.1	1 · · ·		
		(0. l¤)			j.					1.1	1. J.		
- 1 · · · ·	1 - '	tf-br, /Hyal,		1	<u> </u>	1	i	1	1 .	1.	1		1
190 . 7	v A	rounded br,			ł. I			1.1	1 .	1			
1000,1	۸″		· · · · · ·		1 I			·	1	1	1 .	1	ŀ
1	<b> </b> "	lap-tf.					1	1	1	1	1. :	) .	1
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195m	<sup>ندر</sup> (		) · .	<b>1</b> -	1		1 .	1	1	1		1	1
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	1.							1.	1.1	ļ., .	1	1	1
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- I	<b> </b>		prop. (str. )	the second second	1		1.1		- <b> </b> -	1			1
1	V 4	grn.tf-br. /Nyal.			1 :	1	1.	1		1		1	
200-	· ·	purple compact			1.	L .		1:	1	1	1	1	1
200a	A V		L	L	ساسط	L	l:	<u> </u>	<u> </u>		<u> </u>		1
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-17-

Drill hole No. : MJF-5(5) Latitude : S

Direction : Longitude : E

(true north)

Inclination : -50° Elevation :

		titude : S					Eleva						(5)	
Depth	Core			N:	R. Q. D	Sa∎p.	Λu	Åg	Cu	Рb	Zn	Te	No	]
(n)	Log.	Lithology	Alteration	Mineralization	ບ∼ເບບສ	No.	ppn	ppz	ppa	∎qq	ppa	ppa	bb≇	]
200m	ΔV	grn~purple	prop, (str. )		50 50								·	
	1	tf-br. ess./Hyal. irreg. form br.	:											
	V A.	v. coap. hd.					а — а. 4		54 Q		· ·			[
	a v													
205											· .			1
.2		<sup>40°</sup> b-p. tf. (0.2s)					ł				l			Į
		~gdy.f-tf.	whitish								:			ĺ
1 -	× •		₩ <b>-</b>							]				
-	A V		grnish.											
210	<b>v</b> ▲						·			· .				
	4.			211. 2nt Py. w-diss.		211.5~								ł
5	4	-20° she, fr. clay	grn. clayey	211.5~212.0m (0.5cm)		21	0. 008	<2	89	14	480	4.8		
4	- a v	- 30° fr-Cal. tf. grn.b-p./35°	prop. (str.) (Cal.)	Py. v-diss. (5cm) Cal. films		212.Q				E 				
		grn, ess. irreg form	[	(.41, 11123				ļ						
215m_	_ × ▲	br. tf-br. /Byal.		•				l .						
.		stx.purple		in the second seco			<b>.</b> .		· · .					[
-	-	]			4						<u> </u>			
	V A	-55' fr.	<b>]</b>											1
-	a v								· ····					ļ
2209	4.													ĺ
- 1	V 0													ŀ
		grn.ess. tf-br.						ŀ	-	Į				
		/Eyal.												
225m	<u>ه</u> ۷					i		ļ		•			· · · · ·	
LEUM	4 A	50° grn. v. coup. hd.												
	Δ Δ	–50° b−p. tf.crystal						} .					] :	
	, <i>" "</i>	(Ad~DS(1C.)	Ĩ		· .								1	Ļ
-	a'v									- ·				
230a	1.	tf-br. /Hyal.			1					<b> </b>				
-	¶v ^	y, comp. hd, ess.	{						ł					l
· -		br - Ad ?												
-	1° '		1 ·					1			ľ			
-	~ ^	[	ļ					1 <sup>1</sup>	( · ·				ł	
2351		- 40°						1	· · ·					
.3	╞───	f-tf. (1cm)	str. prop.	(	ļſ				۰ ۱			<b> </b>		l
	× ∧	dk. gry. Ad.	grnisb			1		1		:				
	] a v	br. included	whitish~gry.					]						
	V A	_sbe-fr-clay /20*	ļ	1		239. 2~	0. 027	<2	67	12	290	3.9		
240m.4		35° fr-Cal.		239. 4n Py. w-diss		239. 4	0. 041	1			230			
				grn. clay (0. 5cm) 239. 2~239, 4¤	) i - I									
. 2	V A	45° fr-grn.clay	-	bleached argilPy, w-diss.	ļ		۴. *			1. 1.				Ϊ.
-	۵ v	Byal./ grn.ess.br. mainly		aigii, ~ry, ≢-018\$,										
		purple-dk.gry. basic br. poor					l i				<u> </u> .			
245m	× ▲	v, coup, hd,	l			l				( 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.				
		· · · • · · · · ·		:			[						· ·	
					·				· · ·	1.11			ļ	
	v .a											1		
	۸ v			}					1.					
250≇				<u>                                      </u>	أسلسا	L	<u> </u> _	L	L			<u> </u>	L	l
				-18-		· .								

Drill hole No. : MJF-5(6) Latitude : S

Direction : (true north) Longitude : E

Inclimation : -50°

	-	titude : S		tude : E		-	Eleva			·			
		·····		<b>.</b>						· · · · · · · · · · · · · · · · · · ·	:		(6)
Depth	Core	Lithology	Alteration	Mineralization	R, Q. D	Samp.	λu.	Ag	Cu	Pb	Zn	Te	¥с
(□)	Log.				0~100%	No.	opn	ррв	ppa	ppn	ppn	pps	pp
50¤	۵v v ۵	grn.v.comp.hd.mass. tf-br./Hyal. grn.ess.br. (main)	str, prop.		50								
- 55m		dk. gry. accessary br. (poor) Ad/Bs.	:								- - -		
-	v 4 4 v												
, , ,	v 4 4 v 1 v 4		. t										
60m	۵v		: • • • •										
.5		40° b-p. bedded tf. grn.tf.cos~lap-tf.											
65a	4 v v 5 4 v	grn.ess.tf-br./Hyal. ~lap-tf. grn~dk.gry.										1	
	× a a v		whitish				. 1						
- 70m -	×		grnisb										
Н	v ▲	←30° grn.clay		271.05-271.12m bleached		271. 05- 23	0. 070	<2	170	12	74	2. 7	
.6		←45° Cal film		Py.w-diss. gra-argil. Cal.patches		271. 12 274. 55~			:			t si	
75 <b>¤.6</b>	v A	Qz,drusy film		274.6m Qz.drusy films		24 274. 65	0. 037	: <2	140	7	220	3. 9	
,     	v A A V			Ру. <b>u</b> -diss. (0. 5св)		278. 7-	· ·	-	· · ·			:	
, 1 80¤.1	77-77 V 4		bleached zone grn.	278.7~279.1m Cal-Qz,film net Py.w-diss.		218. 1 25 279. 1	0. 114	<2	95	6	90	1.3	
 -	11 11 11 11	blackish basic tf. dk.grn. 40° b-p.	gry.	bleached				i.					
- 850,8	, , , , , , , , , , , , , , , , , , ,	inc, grn, prop. br.		284. 8-285. 7p v. argil. she-z.		284. 8~	0.010		-			2.2	
.7 .5	N. 12	she-argil, Cal. films fractured grn.sdy.tf. _70° Cal. fr.	285. 5-286. 5¤ bleached	Py. slightly diss.	:	26 285. 7	0.013	<2	58	28	81		
		dk. grn. tf-br./Hyal. 											
90n	• •			292. 0-296. 5ы								2	
	·v· &	dk.gry. br. dominant	grn, ‡ gry,	bleached 293.9m					.   .				
9 95a,7	A . VI	← 45° Cal. (0.5cm) ← 40° b-p. bedded grnish gry.		Cal. drusy-(Cp) (0. 5cm) 295. 6n		293. 88- 27 293. 93		: <2	240	7	71	3.2	2
.4	/ 	sdy. tf. ~cos. tf. gry.mdy.f-tf. layer laminated,grn. sdy.tf. 40° b-p. [ f-tf.		Cal.films ∡35‰40° Py.slightly diss.	in Linear F					•			
. 2 00m. 4	// // // // //	65° Cal-fr. small ≪45° frs. reworked patches		300.3n frs-Cal.film				.					
00m.4		v. comp. hd. 35° laminated	L	-19-	سيليسا	8	L		1	J	,	_ <b></b>	<u> </u>

gry f-tf. ~grn. sdy. tf. 1~2cm interval

Prill hole No. : MJF-6(1) Latitude : S 17° 40, 94'

Direction : 270° (true north) Longitude : E 117°37.51'

Inclination : -50°. Elevation : 686#

oth	Core				R, Q. D	Samp.	Âu	Ag	Cu	РЪ	Zn.	Te.	No	ł
ptin m)	Log.	Lithology	Alteration	Mineralization	0~100%		ppn	ppa	ppn	ppn	ррп	ppm	ррш	
	FOR.				1992 1997 1997		PP#			11/2				
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-	N/C	surface soil	· · ·							1.1				
-									. ·					
·	[					{		1 : .	ļ					
5m					l .									
-	۵	brown soft	str. weathering	1		1		1		1	{	ľ	1	
-		brecciated rock	argil.											
_	Δ	fragmental												
_		pyloclastic rock?				}				.				ļ
:0o	<b>^</b>									İ				
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5g			┝╫-		{	l	ļ			1				l
.us	<b>^</b>	gry. (partly brown)											1	
-		soft, brittle(m-hd,) altered propylite	W-str. reathering		<b>1</b> 1					<b> </b> .				
·	"	(Bs)	mafic m. (Aug.Bio.) remain	1 a.				· ·			· ·	[		
-			Pe:white argil,						· ·		]			
-			, , , , , , , , , , , , , , , , , , ,		{	{		1	}					
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-	<u>ہ</u>				1	1	1	:	1				1	1
4				t i series	h	ļ	1	1.1	<b> </b> .					
		gry. comp. hd.	┝╌╪──			1		1	1					
ر مہ -ا		≪50°Cal.					1	[ ·	1	1			1	
011 <u>.9</u>	<u>n</u>	-55° Bio-Aug. Bs.	T. prop.	Cal.filzs		[		l			l		1	
_	"	(prop. )	fresh mafic m. remain partly	39.9n Cal.vlt,wd.0.5cm		1						· ·	1	
- 5		←65° Cal.	Ivania postil	L CHT. AIL, MO. N. DCB	<u> </u> .			l			{	1	<b> </b>	
	<i>n</i> ·				1 1	1								
1	4			}		].	1	1 :					) · · · ;	
5a		en <b>t</b>		}e				.			<b>.</b>		<b>1</b> . •	
. 4		60" she. ók, gry. argil.		Cal.films							1	.		
4	4	grn, tf-br.	¥, prop	UAL. 11188	ነ ካ	1		1			{ · · ·			ľ
	۵ I	rounded fragment inc.		ł		l	1	t : *					[	
-		bad sorting essential flow						1 - 1	1		1.25		1	
-	<u>م</u>	· · ·	e		l -	А. А.				1 .				
m. 1	<b>A</b>	subangular brec.			lantan	J	L	1.11.11	1	1	I.m.		L	1

Drill hole No. : MJF-6(2)Latitude : S

Direction : Longitude : E (true north)

Inclination :  $-5.0^{\circ}$ Elevation :

	-				tude . D		_			·				(2)
1	<b>N</b> 11	1			a an fa dh'fhir a fa ann an ann an an an an an an an an an		~~~~			<u></u>	D1		Te	No
·	Depth		Lithology	Alteration	Mineralization	R, Q. D	Samp.	Au	Ag .	Cu	Pb	Zn	te	NU
ĺ	. (a)	Log.	Dithology	nitoration	MINGINIIMACIÓN	שיוותד∽ת	No.	ppp	ppm	ppg	ррп	ppa	opu	ppn
	50¤	4	tf-br,	N-prop.		50								
	-	1.	ess.pyloclastics								•			
	. 3			c0.2.										
	. 6	-18		52. 3a brown										
	_	<b>^</b>	grn. comp. hd.	weathered frs.		· .								
	55ø	. :	accidental tf-br.											
ļ		<b>^</b>	angular~subangular			l I								
. :	-	1.	prop.											
	-	1	br.s. { gra-gry f-tf.											
1	-		bedded sdy.tf.											
		<b>^</b>												
	- 60v				•									
		1 1								•				
	·	1.				1								
	_					ŀ								
	_	1.		1	1									
		::: <b>•</b> ·	F [a1-0*		63. 5-65. 8u		63. 5~ 1	0. 058	<2	98	. 7	440	1.5	
	650 <sup>1</sup>	n~ n	-60 Cal-Qz. dk. grn. she, basic		Ca. filøs	<b>اس</b> م ا	64.0							
	<u>. 0</u>	<u>.</u>	≪60° prop. (Bs)	Tpale grn. bleached	Py.w-diss. w.sil.argil.	: <b>   </b>		0.056	<2	38	11	54	0.4	
	8	~~~	-65" ess. tf-br.	Py, w-diss.	#. S11, arg11. 64. 0-64. 19		64.1 3	0. 028	<2	110	11	1350	3. 9	
-	-	V A	60° Cal. (Hyal.)		64. 0-64. 10 Cal-Qz-Adul?-Py(v)		64.6							
	. 1	A Y	she argil fr-Qz-Cal.	∦~str.prop.	vlt. (film net)	: <b>.</b>		0. 046	. : <2	81	8	300	1.5	
1	. 2		70" Cal.		66. <b>1</b> #	. 1	65.8							
-	70m	V A	grn. comp. hd.	grn.alt.	Qz-Cal.film									
	÷-	[	rounded br.	v purple alt.				11						
	-	A V	dk.grn-purple	pulpic alt.								· .		
			By al.	str.prop.										
·		V A	br. #20~5cm						1 A.			:		
		1 · .								ļ	1.1	· : [	:	
	75a -	A Y				Í			$(S_{i})_{i\in I}$					1.1
	105													
	· _	V A												
	_						ļ		:					
		<b>▲</b> V												
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- 1	80a	V A		1. St. 1.								ļ		
	00a	1.												
	-	Å v				`								
		VA	:	· · · · ·			1							
. 1		V A	] .			<b> </b>								
		1.											н н н	
	- مح	ΔV			an ta a						· .		н н.	
- }	85œ	v A												
	. 3	A. V.	≪~65°	85, 3~85, 6n	85. 3-85. 4u		86. 2~	i .						
ŀ	3		<b>←</b> -65°	pale grn.bleached	Qz-Cal.vlt.wd.0.5cm		5 86.4	0.061	<2	330	5	85	2. 1	
	. <u>g</u>	V A			86. 3n		ov. 4	ł						l
	-		dk.grn finely		Cal, vlt, wd. 0. 5cm	4								
			fragmental			:		i						
	90n. 2	v 🔺	-50° 45~1cm br.		$1 \leq    ^{1} \leq    _{1 \leq k \leq n}$									
		1				§ }		l I			:			1
-:		A Y												
	-					···		Į					.	
							1.16	1 · ·					<b>.</b>	l
	а. С. С. с.	A V									· ·			1
	95n. 4		≪-35° she.fr.argil.			1			1.					
		<b>"</b>	grn. comp. hd. tf.			. 1								
	3		< <sub>35°</sub> she z.argil.		Cal films			1	l .	. <sup>†</sup>				
	.5	A V	Cal. film											
٠,	-	V A	dk.grn~purple massive comp.m-bd.			[.			1	· .				l .
۰l			angular~subangular					ļ	[ • 2 -			· · .	· ·	ļ
	100a -	Δ v	br. (prop. ), Hyal.		Cal. patches							<b>.</b>		
, - <b>t</b>			L			arrestored	L.v	£	L	<u> </u>	L		<b></b>	

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Drill hole No. :  $M \Im F - G(3)$ Latitude : S

150m,

40" fr.

à

Direction : Longitude : E

(true north)

Inclination :  $- \; 5 \; 0 \, ^{\circ}$ 

Elevation . (3) R. Q. D Saup. Pb 2n Тe ¥о Depth Core λu ٨g Cu Lithology Alteration Mineralization 0~100% (a) No. рра ppa рря ppa pp≞ ppn ppn Log. רד<del>ו זר</del>ור 50 100a str. prop. a v dk. gra~purple By al. v ۸ Cal. patches ۵ v irreg. form 105m tf-br.size ¥ Ā v vol. br. size pale grn bleached y i ۵ 45° 107. On 4 Cal. drusy vlt. . wd. 0. 2cm 110a Δ v rounded br. 115a \$20~5cs v ۵ ۵ Α -55° fr. 120a ۵ v. str. prop, carb. A 125¤ v ۵ v ۵ v 130s ۵ 129.9±~131±± v ⊷50° Cal. slightly bleached Cal, vit. vd. 0. 5cm ----6 4 v .25° she. fr. . 7 v 135. 4~ 1350.5 -40° fr. 79 6 0. 036 1230 <2 7 5.2 Δ v w-bleached along 135. 5n. 135. 6n 135.55 -30-40° Cal. 5 Cal. vits. vd. 0. 2cm v ۵ Cal.films 70° Cal. 136. 4# ۵ v Cal. vit. wd. 0.5cm 55° Cal. v A 137. 2**u** 50° Cal. Cal. vit. wd. 0. 2cm Δ V 140¤ 138.6# Cal. vlt. #d, 0, 2~0, 5cm v ۵ 4 ٧ str. prop. (carb.) -50' she.frs.(5cm) with slickenside -25' she.frs. .3 v ۵ 145m. 4 ۵ v dk, grn. v. coap, hd, Byal. Δ v

-22-

Drill hole No. : MJF-G(4)

Latitude : S

Direction : Longitude : E

(true north)

Inclination : -50° Elevation :

							-							(4)
ſ	Depth	Core	1			R. Q. D	Samp.	Λu	Ag	Cu	Pb	Zn	Te	Xo
1	(B)	Log.	Lithology	Alteration	Mineralization	0~100%	· · ·	ppn	ppm	ppn	ppn	ppa	ppn	ppn
ŀ	150m	105.	dk. grn. Hyal.	· · ·		100100x			ppa -		pps		PP	
	1900	A V	uk, grn, nyar.	str.prop.	* •	50 F								
Ì	· .	· ·	provide the second									:		
	. 9	VΔ		153, 3-153, 6a										
1	1	Δ. γ	35° }Cal. 60° fr.	brown oxi, zone					ÌÌ				. ]	
1	155m 7		60° Cal. grn. comp.	153, 6-154, Oa	154. 7n		154. 7~			19		. '		
	<u></u>	*	30° Cal fine prop.	pale grn. bleached	Cal.vlt, wd.0.5cm 154.8m Cal.vlt,		7 155.0	0.072	<2	300	310	110	3. 3	
	. ł		-50° Cal. (Bs)	154.6-159.3m palegrn-whi.bleached	vd. 0. 2cm		155.0~			с. С.				
	. 9	*	- 65° Cal. - 70° Cal.		154.9m Cal. 0.2cm		8	0. 086	<2	240	20	86	7.2	}
		XXX	55° Cal.		156.0m Cal. 0.5cm 156.4m Cal. 0.3cm	<i></i>	157. D 9	0.014	<2	220	17	1980	8.3	· ·
		A 4			156.9m Cal. 0.2cm		158.0							
1	160m.4				158. 0~158. 3n									
		a v	dk.grn.Byal.		Cal films network			Į						1
		νA	conp. hd.		·	:								
		A V		162, 0~165, 1s						1.1		1.1	:	
				pale grn, bleached	163.93-164.10m		163.93~ 10	0. 036	<2	160	11	45	2.8	<5
	7	<u>у</u> А	35° Cal.		whi.clay-Cal-w-sil. 164.0m Z.		164.1			: 1	$\epsilon = \pm$			
	165m <sup>-1</sup>	* *	35° dk. grn ~ whi. porph, prop. dyke	whi. completely	Cal. vlt. (2cm)		11 165.0	0. 037	<2	190	10	1780	9.5	8
		VH/M	(DS) VI tu Cu a	alt. zone	164. 1m black m. ?fill			0. 099	- 3	170	35	850	5.4	<5
	. 3	~ ~~	she. br. whi.clayey Cal. Z. broken Oz.	165. 3=~	between brec. 165.0-166.3m		165, 5	0.010		91A	19	47	4.0	5
-[	. 4	<u>/~~ /~</u>	-55°\ lvlt. inc.	iron m replace	whi, clay>Cal-Qz.		13	0.016	3	210	. 13	41	4. 0	1
			- 50° Whi. alt. mass. r.	safic m.	slightly Py. diss.		14	0. 025	<2	220	<sup>-</sup> 14	1260	7.2	<5
	170a	~~~	35° whi, mass, clay she.	whi, clayey-Cal. films	168. 0-168. 60		167.3 15	0.047	<2	230	12	1100	6.1	< <5
		- A	35"	whi.clay partly sil.	w-sil. Py. diss. Cal. films	·	168.0							
	.5	A		170, 0~171, 3¤	170.5 Cal. vlt. wd. lcm	ŕ	16 168.6	0.15	<2	200	- 13	1050	3. 1	<5
1			65"Cal.films	whish bleached	1000 Cal. 111. Pd. 102		17	0. 025	<2	190	10	85	2. 9	7
		*	dk. gry. comp. mass. hd. Bs. (prop.)		173. 20		169.0			. •		ч. с. с. С.		
	. 2		- 55°	str. prop.	Cal. vlt. (gd. 0, 5cm)									•
	175m -		dk. grn. Bs. (prop. )	175. 35~177. 60m					:		4.1			
	.35	A	45" Cal.	whi, bleached	175. 6-176. 20		175.35-	0.014	<2	210	12	120	4.5	<5
	.§		45° whi. alt. r.	Cal. film	whi, clay-w. silca Py. slightly diss.		175.6	0.014		410	12	120	4.0	
	. 2			177.3~177.5m whi.w-sil.str.	177. 4m			0.052	<2	180	11	54	3.0	6
	.4	<b>T</b> #	* <sup></sup> 45*	bleached	Cal. drusy vlt.		176.2			180	13	360	4.5	<5
-[	. 8	A +	br, mechanically	170 3.	₩d. 1~2cm		1177.3	0.015	4	100	. 10			
. :	180¤		alt tf-br.	179.2a- pinkish w-oxi.			21	0. 048	<2	190	15	1100	7.1	<5
	. 4	Δ Δ 		180. 4~180. 55×	180.4-180.55m vlt.		177.5	0. 031	<2	190	18	1300	6.8	<5
	- <u>55</u> .9			dk. grn. clay	ndy. fine Py- Cal. film net		178.5			•			· ·	
ľ	. 9	<u>à à</u>		str. prop.	180. 55-181. 90#		23 179.2	0. 027	<2	190	19	110	4.4	<5
-	, . 	<b>*</b>		-184.6m pale grn. bleached	Cal films include		24	0. 036	. <2	270	17	63	2.8	<5
	-	. #	dk, grn. comp. hd.	Pare gin. ofeached	No?-Cp. (network)		180.4 25	0. 20	4	640	78	56	1.0	6
	185a		fine Bs.prop.		Cal films		180.55	· ·						· -
	5		<del>- 5</del> 0° she-fr.	str. prop.			181.3	0.045	<2	630	470	78		
		4	with oxi.margin	SUL PLOP.	Cal films		21	0. 080	<2	770	650	2180	3.0	<5
		×.	dk. grn-gry. conp.				181,9		· ·		]			
	<u>بار</u> رو		mass. ess. tf-br.		· · ·					:	· ·			
	100-	<b>A</b>												<u> </u>
	190a	$\times$			100 05-		190. 85 <sup>.</sup>	1.	1	• •	۱.			
	85		-35-60° Cal		190.85s Cal.films wd.10cm		28	0. 025	<2	140	22	1100	4.3	
	.8	4	<del>«</del> 30"	· ;	val. 11105	11.	190.95					:		
		*	ch-m. (oxi.)										1.	1
	+		dk. gra-gry.				1 . 1 .	ł		{	1		1	
	195m –	1	fine prop.(Bs.) v. comp. hd. (dyke)						· . :					
	1901	*	45° Qz-Cal.	Pℓ. → Cal.	195. Ju		195. 3~					_		[· :
	-	l××	dk.grn-purple		Qz-Cal.vlt. wd.5cm		29 195.35	0, 059	<2	72	9	74	1.0	1
	·	XXX	comp. hd. ess. tf-br.		195. 35-196. 70m		3(	0. 030	<2	190	12	120	) 3.0	
	3	*			Cal film net	1 ·	196. 7				1	1.10	1	1
	-		dk, grn. fice Re-strop	str, prop.		1:			1		· · .	1. * 1		
	200m g	*	fine Bsprop.	197.9~203.1∎ bleached	199.8m Cal. vlt. wd. 0.5cm		1							1 :
L			55°	JICUOLOG	L car, vit, wu, 0, 000	سلسل	1	- <u>L</u>	<u> </u>	- <u> </u>				

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Drill hole No. :  $\mathbf{MJF} - \mathbf{G}(5)$ Latitude : S Direction : Longitude : E (true north)

Inclination :  $-50^{\circ}$ Elevation :

epth	[]				R, Q. D	Same		10	Cu	Pb	2n	Te	(5) - Ko
	Core	Lithology	Alteration	Mineralization		Sanp.	Au	٨g		1. A. A.	- 11		
(a)	Log.				0~100%	No.	рра	ppm	ppn	bba	ppn.	ppa	ppa
)() m	*	Bsprop.	pale grn. bleached		50 50	201. 8~			1				
. 8	•			201. 8¤			0. 039	.<2	250	14	130	2.8	
.1	4	-45° Cal.		irreg. Cal.vlt.		202.1	0.000						
-		*-70° she. fr.	Ì	(1cm) 202.1m							1		
. 9		«—30°		Cal.vlt.wd.(1cm)			·						
05¤		dk. gra. v. comp.		Cal. films									
. 4	<b>^</b>	=-70° mass. ess. tf-br.	205.40 v.w-bleached	205. 4v±			a		•		-		
.3	<b>A</b>	rounded irreg.		Cal. vit. wd. 0. 5cm			1.0	н. н. С			1.1		
-	×*		w-bleached along	4							11 1		
<u>ث</u>	X)	dk, grn, comp, hd. prop.	Cal, films								- :		
		P-VP-					). 				1		
10¤ 1	۵	← 45°											
- U	۵ ا	- 35°	}					1	1.1	та I.	<b> </b>		1
<u>.</u>		4 00 ·								н			
_	44		212. 2~215. 0#	212, 78		212. 6-				:	ļ		
. 3	<u> </u>	35° she frs-Cal.	pale grn, bleached	Cal, vlt, wd, 0. 5cm		32	0. 028	<2	160	8	99	3.8	
• 1	<i>n</i> .	• 70° Cal.	Pare Brit stonenen	1		212, 85	·			<b>.</b>	- 1 a.	. E	
- 15ø.6		<b>→</b> 55°	214. 4nž	214, 5a		1				}			] ·
1011.0		- 55	bleached(5cm±)	Cal. vit. wd. 0. 3cm	[				1.1			.  -	
. 9	<u> </u>	45"			\. \		{		1.1	1	· ·		ł
	4	grn. conp. hd.		Cal films								1 . ···	
-		tf-br.		(al. 11189	( · )		ļ			1	ļ .	t i t	l
-						1 - 1 - 1 - 1 1	<b>i</b>			1.11		i vet	İ
7	<b>*</b> *	50*			1	219, 35~			:				
20¤ 6		40		219.4m Cal-Qz.vlt.(wd.1cm)		33	0. 007	<2	160	8	87	2.3	<b>)</b>
		35° she, fr. Cal.		Cal-65' Attr (Mor 109)		219, 41	· .	· ·					i i
1		135 She, fr. cal. fils brec. 45'she, fr. grn.			\ \	· ·	1 :			. :		1 - E	}
•2	<b>A</b>	dk. grn. ess. argil.			] ]								
i		tf-br, comp, hd	iron p.? diss.		<b>ہ</b> ا	223. 45			[ * :+	. ·			
5	; <b></b>	-60" Cal.	1100 0.1 01001	Cal. filus		34	0. 043	<2	92	7	740	4.0	
25ø.9			224.9mt	224. 9n±		223.6			1.1	1			
	*	Bs - prop.	bleached(20cm)	Cal. vit. wd. 0.5cm	1 1	224.7~ 35	0, 045	2.0	020	12	1890	2.4	1
	Δ	45° Cal.	bleached along Cal.	Cal.films		224.9	0,040	<2	230	12	1030	6.4	
-		1	films			227.7-					1 · .		}
. 2	A	40 <sup>*</sup>	227. 5~228. 9n±	227. 7-228. 41			0. 026	<2	230	10	80	3.0	
. 4	<b>*</b>	1	bleached, Cal.	Cal. net	l · − ;	228.4				1 i i i i			Į
30m 🖥	*		patches	229. 5~229. 8#		229.5							
<u>ع</u> ۵۰۰۵	A	35*		Cal. net		37 229.8	0. 023	<2	270	9	1550	6.6	
-	5"	30° Cal.	str. prop.		1. 1	663.0	1	<u> </u>	)		1 :	1	
		bright grn.							ľ		1	Į.	
-	4"	comp. mass.	ļ	1 · · · · · · · · · · · · · · · · · · ·	} 1		1	ł	1	1	{	<b> </b> .	
	1	ess lap-tf		· · · ·			· ·				· · ·		
					ļ		ľ	1	<b>{</b> : ∙	Į∙ ÷.	<b>1</b>		Į .
35∎						N		[ ·				1	
	A	ess.tf-br.		1			· ·		· ·				.
		basic prop. brs.	) .	]	}		1		l de la composición de la comp	1 - 1 -		1	1.
-	<u>ہ</u>	Same Prop. and	· · ·				<b>I</b> .		1. A.				1
·				<b>1</b>	<b>і</b> г <sup>і</sup>	u l	1	1	. ·	f	1	· ۱	1
	<b>A</b>	. •		.		·				1	· ·		
0a							ļ	- 14	ļ	Į .	[	<b>I</b>	
. 6	}	- 30° Cal.				Ι.	1	1			1.1	11.1	
. 2	<u> </u>			1	\		:					1 2	
- 4		-40 986, LL.				] - `		]	. <sup>1</sup>	1	1	<b>)</b> · ·	1.
	[ ]	ess, irreg. brs. inc.			[ · ]	1	1 · · ·			j: 1			
			}			1	۰ · ۱	· ·	<u>ا</u>			1.4	{
15œ						1		· · ·	1	2.1			
	۵	<b></b> 25°			ļ i	Į .		<u> </u>	ł	ļ <sup>1</sup> .		1	
.5	n	dk. grn. fine	carb.			1				1 21	- ·		
		basic prop. br. mechanically	Zeo, dots~patches			1 · .	1	- · ·	· · ·	· · ·		ŀ	·
.3	'n,<	- 20° she, fr,		<b>j</b>	) [	}	1	1	1	ľ	1 3		1
	<u>م</u>		str. prop.	ł		1		1.		[ ·	ĺ	1 :	
. 6	-	← 50° ch-m. fine basic	zeo, patches~dots				{	÷ .	1 · · · ·	1		1	1
0 [									1			11 C	

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Drill hole No. : MJF-6(6) Latitude : S

Direction : Longitude : E (true north)

Inclination :  $-50^{\circ}$ Elevation :

		ititude : S	Long	tude : E		_	Eleva	1100	·				(0)
	1	·	**************************************	،		Y							(6)
Depth	Core	Lithology	Alteration	Nineralization	R.Q.D	Samp.	Au	Âg	Çu	Pb	Zn	Te	No
(0)	Log.	510101083	mi cor derion		0~1007	No.	ppa	րրո	ppn	ព្ទួត	ppn	ppa	ប់ព្
250m.1	<u> </u>	35° fr. dk. grn. comp. hd. ess. tf-br. mosaic	str, prop.	· · ·	9111171111 50								
7	۵ ۵″ ۵″	gradual(mtx.poor) lapilli size dominant			   [								
255m	4	tf-br, bad sorting atx, rich											
	۵ ۵	irreg. blocks(#20cm±) 	257. 4~257. 5n±										
-	4	diss. dk.grn.partly whitish	slightly bleached	Py.w.diss.				in an an an an an an an an an an an an an					
260m	4	with accidental fragments	whi.alt.partly	Py.slightly diss			. :						
	4	(Bs, whi. sil-Py. r. )											
.9 265¤	• •	20° dk.grn-gry.v.comp. hd.fine prop.											
.3		← 30° purple prop.br.inc. bad sorting											
-		(#1~10cm)							-				
270m.9	▲ ∧ .♥	+ 40° grn-purple								54 - 11 - 11			
	•	auto <i>br.</i> prop. (Bs)	carb. dot			277.7~ 38 277.8	0.031	<2	250	31	1400	2. 9	
275a	∧ ▼ Y					211.0			-				
	▼ Ŷ ▼	50° she fr-Cal.						:	•				
.2- .4 .7-	<u>u</u>	- 30° grn. cos. tf. Cal. br prop.	str. prop.	277.7m irreg.Cal.films wd.10cm									
2800		grn basic? - 50"	<	Cal.films~patches			-  -  -						
-	•	40-50° frs. grnish. gry. v. comp. hd.											
- 2850	A	Bio, Bs. (prop. )		and with (and Goal)			. :						
. 3	A 	- 40° Qz-Cal. - 20° frs.		285 3m vlt. (wd. 6cm) Qz-Cal- Py. (mc?) Py: large crystal		285. 3- 39 285. 36		<2	240	10	49	2.4	
		fr.25°±.∠ grn~purple		film net form									
290m	▼ ∧ ∧ ▼	grn~purpre br-prop. 45° fr.						1					.
.7	▼ ^ ^	- 50" - 45-60" Cal.		Cal films		1							
295m 3		55° br-prop.	str. prop.										
.9 <u>.</u> 8	V A V V A V A	f.prop. 	ом, рі ор. 			296. 7~ 40	0. 015	<2	21(		l 66	3.2	}   
	n 1	20-40° Cal. dk. grn. fine prop.	299. 81~300. 6vt	Cal.films~patches		297. 2	0.010					3.2	
300m, 4	n 	-30° fr. basic prop.vesicular	¥-bleached Cal.fill vesicules	Cal films ¥40°	يسسم	 	. 	<u>-</u>					-
	1 <b>3</b> 00, 90	1 10 ********	I	-25-	1	Ц	1	<u> </u>	<u> </u>	L	L	1	

Drill hole No. : M J F - 7(1)Latitude : S 17°40.94' Direction : 0° (true north) Longitude : E 117°37,51' Inclination : -55°

Elevation : 686m

			J. 94 Long:	itude : E 117°37,5	•		Eleva			686s	·		(1)
Depth	Core	T T A D T		hr	R. Q. D	Samp.	. Au	٨g	Cu	РЬ	Zn	Te	No
'(m)	Log.	Lithology	Alteration	Mineralization	0~100	No.	ppn	ppa	ppm	ppm	ppa	ppm	рра
0m					50 50	1		1			T		
· ·													
-													
		surface soil						:					
5n									·				
·													
_								:					
_	N/C		· ·			1		1					
· .1 	A .	brown weathered prop.			N.					19 A.			
10a	•••	soft comp. mass.	brown str. weathering					1		· .			
:	^					1		:		1.1			
_	•••										÷ .		
	1												
-								: .					
15=									· ·				
	<u>^</u> .	whi.brown soft						1		с., н.			
-	۵	tf-br.		17. 9s	L	1							
.4	4	-55" grn. tf-br.		silica film		ļ				· .			. 1
	<u> </u>	COMP. WASS. 50°	str. prop.	Cal films		l I							
20a	۵.	fine basic prop. br.	17.9-18.10 19.0m veathered										
		inc. bad sorting	19.0z , br.	21, 65~21, 90n		21.65-				- 19			
. 9	××			Cal-Limo vlt.		1 21.9	0.013	<2	150	1 7	79	3.6	
.2		<del>•</del> −25 <b>*</b>	23. 1a	Qz.film net 22.2m		22.15-	0. 013	<2	450	<5	68	3. 2	
-			23.4m )frs. 145-50° weathered brown	Qz-Cal-Liso.vlt.		<b>2</b> 22. 25							
25¤	۵	- 90 407		(lcm) Cal.films		25. 2 <sup>4</sup>							1 A A
.2	۵ .	≪ 20~40°	~30.0¤1 bleached z.	25. 2~25. 4n			0. 037	.<2	14Ò	. 8	59	2. 0	
.8	۵.	25° Cal.	27.3-27.5» Limo.film net	pink silica-Cal-Py. film net		26.8-			400	10	1000		
.8	~~~>	←25″ f-tf, grn, bedded ←40°	29. 4~29. 6n	27. 1e		<b>4</b> 26. 85	0. 015	<2	120	10	1200	5.9	. • •
יני. 		*45* Qz-Cal.	Limo-Cal.film net argil.	Cal(whi~pink) w-silica-Py.vlt.		28.1~	0.010	<2	160	11	2100	7.8	
		← 50°、 20° <sup>≪</sup> 60° Cal. film,pink	bleached 2.	drusy(2cz)		28 4	· 1		100	11	2100	1.0	
_	•		1.	28.1m Qz-Cal.drusy (1cm±)		29.1~	0. 114	<2	170	· 8	2400	1. 5	
_	۵			28. 4n		29, 25		·			- 1 F	1	· · .
		prop. (carb. ) block		Cal-w. silica irreg. filøs									
_	۵	(#10~40cm) inc.		29.1~29.25 Cal-Qz-Lizo, drusy			·						
35a	۵			films (0.1~3cm)	ĺ						:		
.']		←60° Cal.film		Qz.later stage in							4.4	.	
	^			druse 29.8¤			· · ·				. *	1.8	
	ه ا			pink Cal. 0. 5cm	·								
				drusy			: *	•				1	
400 7	->			<sup>.</sup>	· .			.	1	a ph			
				Cal.films	· · ·							19	: [
	^	702 0. 1 6/1											
.3		←70° Cal.film dk.grn~gry.purplish								. •			
]		Or Or it hav hryde											
45m [	۵		<u>#</u>	·					. * .				
		v. comp. hd. tf-br.	str. prop. (carb.)	46. Op				·					
1	•	-25*		Cal.vlt.(1cm±)						4.4			[
-			n a tra								al a l'anna anna anna anna anna anna ann		: I
-													
50m.4		block?							2				
Ľ.		~x\\vary i		-26-	الاستس						— <u> </u>		

-26-

Drill hole No. : MJF-7(2) Latitude : S

Direction : Longitude : E

(true north)

Inclination : -5.5°

Elevation :

	-	▞▖▙▆▙▀▆▊▌▝▓▙▓▀▖▖ <b>▞▖▄▖▕▖▄▖▖▖</b> ▆▆▎▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖▖				_							(2
Depth	Core	T		Τ	R. Q. D	Samp.	Au	Ag	Cu	Pb	Zn	Te	T "
(n)	Log	Lithology	Alteration	Mineralization	0~100%				· ·				
50m, 5		·····			0~100A 1111111 50	no.	ppm	ppm	ppa	ppn	pps	ppa	pp
00m 5	۵	dk. grn~purple	str. prop.		sò		1						
_	[	v. comp. hd. tf-br									1 ·		
	<b>^</b>	/Nyal,											
_	Δ												
55¤ <sup>(</sup>	Δ	20° Cal.film		· · ·									
<u> </u>	1								÷ .				
-	Δ												
_				and the second sec									Ì
. 8	····	irreg boundary		· · ·									
÷.	A.	pale grn. v. comp.								- 1 A.			
60m -	*	hd. Ad/Bs.	str.prop.										
-	*	fine prop	w-bleached	Cal.film irreg.							:		
. 6		⊶ 50° Cal.fil∎		inc. pink Cal.									
		: * ·								· ·			
.4	A 4	40 <sup>*</sup> slightly br		62. 4n									
.5		20 - 30° Cal. films	· · · ·	Cal film Py. diss.							н. н. С	· ·	
65m	۵ 🛦	∼20°Cal film		(5cm)									
.3		65° Cal.film											
· -	A 4 A	-45° dk grn.											
_	<u> </u>	fine basic prop.											
.4	* *	- 65* dyke? Py. diss.she-fr.argil.				-					1.	- 1	-
		grn. coap.									1 A.	:	
70a -	v v	br prop. /Hyal.				:						1	
··-		65° Cal.film										1 - E	
_	<b>▼ ∨</b>	· · · · ·											
1-	v,⊽	AF9			1							5 - L	ļ
.5	9	- 25° - 65° Cal.films	carb, dot										
. 6-	V V	40*						·	· .		-	27	
	.v ♥	50" irreg. Cal. film			а. — В						1		
-	<b>v</b> v			76. 40-		75.0					- 1 A.		
. 95	$\sim$			w-net Cal. (2ca) 76.95m		76.9- 7	0.014	`<2	120	45	120	2. 9	
8	72	+40*		Cal. vlt.		77, 15							.
8	$\times$	dk. grn. v. cosp. hd.				77. 8- 8	<0. 005	<2	180	13	94	4.9	
80m05		10° fine basic prop.		78.8m Cal.vlt.(icm)		78.8							
···	<u> </u>	<sup>25°</sup> br. nechanically		79.05e					114			i.,	
-		30° she, fr.	81.'1 <b>n</b>	Cal. vit. (0.5cm) 79.7m				1.16			:		
1	~		bleached pale grn.		· .						. 1	1	
.35	14	≁~10°	inc, pink Cal,	(3ca)		82. 35~							1
1	1.7 *		patch~film	77. 8-80. 0m! str, Cal. network		9	0.040	<2	340	900	850	4.3	
851.1	*	- 25° - 75° Cal.film	and the second second	80.0=- w-Cal.net		82. 38		: ::				1997 - 1997 1997 - 1997 1997 - 1997	
<u>.4</u>	۸	• 75° (21, 1110) Cal, film		82.35m		85.9~	'		. •			i i	
	×.×	j br. prop.		hd. Cal. vlt, (2cm)	6		0. 009	<2	180	29	2200	4.1	
.86	V 4	]dk.grn~purple comp. Jdk.grn.fine	~86. 4æ	Cal.films pink parallel to core		86. 0					:		
. 5	A V.	- 35" basic prop.	bleached pale grn.	pararier to core		86.5-	0. 012	· <2	150	17	94	9. 2	
	<u></u>			5F A_		86.7	0.010		100			5. 6	
90m 4		dk. grn-purple		85.9m Cal. net (10cm)									
	<b>v</b> v	br – prop.		86. 6n									
		45° Cal.films		Cal. net (20cm)		·				<i></i>			
. 3	v v i	Hyal. ess. irreg. br.		grn.argil.							:		1
		0.07	· · · · · ·			•					;		
<b>T</b>	v v	Cal.film				· · .			1.525				1
95m 5		- 50° Cal film							· ·				
30 <sup>m</sup> 8	▼ ▼ ▼	← 50° Cal.film ← 20° irreg.Cal.film	carb. dot films			× .				en an en en en en en en en en en en en en en			
											1.		
	v v	,						1.55				ľ	
5		⊷ 50°			1				· · ·	1		]	
	× ▼	irreg. Cal.film							1 · · ·	1	· ·		
1												•	1
100m	v v		carb, dot		l i d	1.1				· .	1.1		

-27-

Drill hole No. : MJF - 7(3)Latitude : S

Direction : Longitude : E (true north)

Inclination :  $-5.5^{\circ}$ Elevation :

	La	titude : S	Longi	tude : E			Eleva	tion	:		_ <del></del>		(3)	
Depth	Core	F		l	R,Q,D	Saup.	Âu	Ag	Cu	Pb	Za	Te	Ka	
(m)	Log.	Lithology	Alteration	Mineralization	0~100%		ppa	ppa	рра	ррт	ppn	рря -	ppa	
1000	v v	purple~dk.grn.comp.	ىلەرد «كەيرىم» ئالىلامىت ئىلى ھەتلەستىلىك ئىلىرىيەت ئىلامەت بىر		1111 <u>5</u>	·								
	ļ	br-prop. /Byal.		102. 1n						· .				ļ
. ī	V 0			hd, Cal. vlt.(1~2cm)		102. 1~			c 0.0	177	82	6.2		
-	v v					102.13	0.013	<2	530	177	02	0.6		
105m 1	<u></u>	← 40° ← 30°	bleached along	104.im Cal,films		104. 1~ 13	0.006	<2	210	38	110	7.0	.   	
.8	<b>∨</b> ▼	• 45°	Cal.vlt.	104. 4n		104.45					:			l
		∎tx. poor		Cal. films (0.2~0.5cm)			:							
-				105.8m Cal. vlt. (0.5cm)		108.0~								l
_	v •	dk. grn. basic 45° br prop.		108. 0~108. 15n		14 108.15	<0.005	<2	150	12	82	4.2	( · · ·	
1109.4	v v	·		Cal. vlts. (0.5cm) Cal. films								·		
. 2	v v	←20° Cal.film		109. 4n										
· _	v v			Cal. vlt. (0.5cm)			j						•	ł
		-25° Cal.film								Į				l
-	v v													
1150 <u>.</u> 8	1	-50" she. fr.			]						<u>,</u>	. ·		ŀ
- . 6	<b>∀</b> ♥	- 60° Cal.		116. 6u										
	V V	- 55*	117. 4±±	Cal. vlt. (0.5cm) 117. 4m		117.4-								l
-			bleached weak pale gra.	drusy Cal. (2cm)		15 117.43	0. 014	<2	- 160	13	560	10		ļ
- 120ø	ľ		Poro gran					<b>]</b> · .	<b>)</b>					١
. 3		← 25° Cal. film		12). D~12). 1m			}				1997 - 19	1	1	
. 7		20-15" 20" grn. clay-Cal.		Cal. vlt. (0.5~1cm) 121.93~121.96m		121.0-	0. 142	14	2500	19	2100	9.3	<5	
. 8	VV	20' Cal-Cp- Gn.		Cal-Cp-Gn?net (3cm)		121.1 121.93								l
. 3		25-40° Cal. net 0-5° Cp.		grn, w-argil.r. 122.8~123.3z Cal.net		17 121.96	0. 086	22	4000	2100	56	1.6	<5	1
125¤		Cal.films	str.prop.	122. 8~123. 32 Cal. net 123. 50~123. 53n		122.8-		1 (2	85	21	370	3.8	<5	
_	v_₹	finely br. grn.~purple		Cp. díss. mass. ore		123. 3 123. 5~	1							Į
-	• •	comp, mass, hd.		in grn.w-argil.r. (3cm)			0.375	880	67600	17	760	4.0	<5	
-	1	irreg. ess. brec./Hyal.	· · ·			123.03			1		1.			
-	v v				[ .									
1300	-	br-prop. purple							· ·					
-	V V			5 - S			. `					1.11		
-	-   v v	}												ļ
-	{							: <sup>*</sup>						ł
	<b>▼</b> ×								2		11.			ļ
	v v	#20cm± blocks inc.	:				.:	· ·	· ·					ł
	1						1	1. <sup>1</sup> 44						
 1	v v		purple					[ .		· · ·				ļ
-	.y , y,	-	purple 138.9-139.1m									1 - <sup>1</sup>		
140		~-35° Cal.film weatherd frs.	veathered				1						].	ļ
. 4 . 7	A	► 35° Cal. film	pale brown grnish,	141. 7~141. 9=				.   .			1 - E			
÷	*	grn. v. comp. hd. fprop. (Bs)	0	Cal.films net					E				( ·	
- 4	v v	{br prop. irreg. br. grn.		143.1s Cal. patches							<b>1</b>			1
.4 .9				143.90 Cal.film 144.4n Cal.film				· · ·					<b>.</b>	
145 <u>¤.</u> 4	*	<sup>55°</sup> (ch-m(oxi.)	str. prop.	199, 94 UGL, 1118	]		1.10							
. 5	v Xv	grnish~gry v. comp. hd.		146at Oz film 0 5cm	1				- 		· .			
.5	v v	Cal. film	•	Qz.film 0.5cm			1		1.4			· · ·		
(	· ·	~ Cal. film			<b> </b>		<u>}</u>				2		<b>.</b> .	
		10 0000 0000		1	1 0 1	1.1.1	1° .		1	1		1 :	1	ł
	v v						1. 1. 1	1. 1	12.1	ł	1. 1	1		1

Drill hole No. : M J F - 7 (4)Latitude : S

Direction : Longitude : E

(true north)

Inclination :  $-55^{\circ}$ Elevation :



- 2 建設計算機構築を加速費 加速機 自己的ななななななな機械を設置す。 東京 中部にあった

lepth	Core	Lithology	Alteration	Nineralization	R. Q. D	Samp,	Au	Лg	Cu	РЪ	Zn	Te	No
( <u>m</u> )	Log,		··· ··································		0~100%	No.	bba	ppn	ppa	ppm	ppn	рри	pp≞
50m	v A		str. prop.	4	20 20				44 4.1				
.2	~ ~	85° Cal.film irregular~subangular ess br	slightly bleached	Col dilar									
	A V	ess.br, ≪—45° Cal.film		Cal.films									
-	v 4	45 Cal. 1116						:	1. A. A. A. A. A. A. A. A. A. A. A. A. A.				
55a	ľ	purple ess-tf-br.								· .	1 · ·		
	۵v												
i													
	V A									н т. С			
-													
60n.3			**									-	
	4 * * *	argil.	pale grn. clayey	Py, slightly diss.							м. К		
.2	·		bleached	in part									
-	<b>∆</b> . v			· · · · · · · · · · · · · · · · · · ·									
.1	11	rounded br.		Cal.films irreg.	1. <b>1</b>								
65m -	V A				1								
				- -		2						-	
	۵ v			. ·		l				•			
-	v۵						· .						
2		dk.purple dk.purple		· · · · ·									
	A V	← mdy.thin											
70¤: 2	v A	-55° Cal. layers fil∎ (10≣-)											· .
_	νΔ							а 	1	ъ.,	- 		
	Δν		. i	•									
<u>'</u>						ļ							
	تف ۷						· ·			· .		1.1	
75 <u>n</u>				Cal. films			1.1	:	•				
	άv			4		176. 1~ 20	0. 021	<2	600	27	1400	9. 1	· ·
. 3	<del>-X i X</del>	40 ~ 50° Qz.	176.0~176.3z	176, 1-176, 3=		176.3		:	1	l an an T			
	v 🛆		pale grn, bleached	whi. Qz. net 0. 5cat						11			
	Δv	ess.tf-br./Hyal.		Py,∎-diss.	· .					н.			
80a,9		-40° fr.				180, 5~			e e d	. · · ·			
.3	<u>v A</u>	Qz films				21 180, 53	0.027	<2	420	13	88	3.3	
. 15	<u></u>	30°	pale grn. bleached	180.50 Qz. (large grain)		100, 35	]				) ``		Ì
-	`v ∆		along Qz.film	vlt, (0, 5ca)							1 <sup>11</sup> 1	1. A	
: <b></b>	A Y			181.15p					ŀ		ļ .	:	1
85¤.7				Qz (large grain) film				{				.	
	V A	<b>I</b>	str. prop.			<b>)</b>	1		)	1	1	1	
-			carb.					1 :			· ·		
-	1. V		н. Н				]					· .	
	v 🛆	1 " -					·	:				1	
									}	l .	·	:	1
90∎	∆ ¥												
-	l starte :	40° Qz.	and the second sec			191. 4~ 99	0. 086	<2	700	36	2300	6.8	
6	<u>v                                    </u>	-20° Cal.		191. 40		22 191.45			1 .00	00	2000	0.0	Ί
	3vv	bedded irreg.	4. A.	Qz. vlt. (0. 5cm)			{ .	· .	1. <sup>1</sup> . 1				
1.	v A	laminated str.			1			· · .			1		
95m		(load struc.)									1		-
. 3	4 Y	tf.					. <sup>.</sup>			1			
- []	v A			le Real and the second second	<b> </b>		۱ ۱	<b> </b>	<b> </b>			<b>.</b>	}
-								1	. ·	1			
· ;-	A V	40 <sup>8</sup> 0-1 417		- 001 611			· ·		· ·				
00a	- La /v	40° Cal. film		Cal.films	· .								
-		L	<u>I</u>	-29-	بسلسس		<u> </u>				4		

Drill hole No. : M J F - 7 (5)Latitude : S

Direction : Longitude : E

(true north)

Inclination :  $-5.5^{\circ}$ 

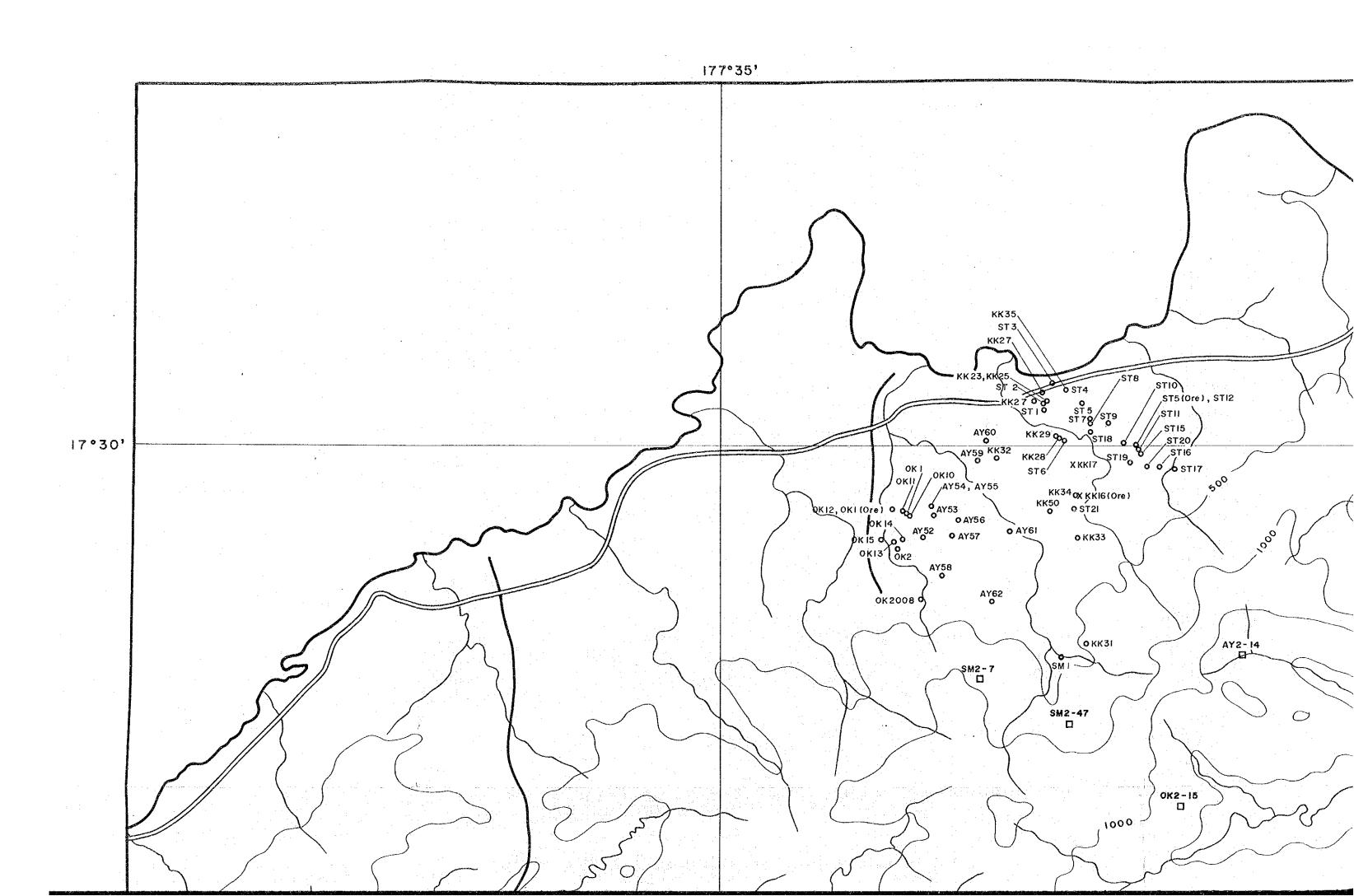
epth (m)	Core Log.	Lithology	Alteration	n	Mineralization	R, Q. D 0~100%	Samp. No.	Ан ррв	Ag ppa	Cu ppm	Pb ppm	Zn ppm	Te ppm	(5) Ио ррш
00n.3		* 60° she, fr.	str. prop.		Cal.films	111 <b>1111</b>				 				·
-	v A	dk. grn~ purple comp. hd. ess. tf-br.			•		1.1	e de la	· .	· · .	·			
. 4		≪ 40° fine part				a.								
-	A V	rounded~subangular				:				111			ļ	
205m_	v A	brecs.							T.		1			:
	Δ V		. ·											
-										l				Į
-	V A	:												
-		_									]			 
210 <u>.</u>		50° 70° Cal.fils												
-	v A	50*			Cal. files				) .		]		ľ	1
•				I		1		.			ļ			<b>.</b> .
			:							· ·		l.		
215¤ -	v \$													
-				i			Į			Į				
. 2	<b> </b>	- 25° Cal.			216.2m Cal.vlt.(0.5cm)					ĺ				
			l						.   .					
-	A Y	25° Cal. fil#					Į							. :
220a	V A													
		- 50° she.fr.	ł					:		   ·		1.1		•
	<b>1</b>			l	Cal.films(w)								·	
Ē		50° she. fr-Cal.			223.7	ן ן	1		· .					
	A 4	75° grnish gry.	str. prop. (carb.	)	Cal. vit.(0. 5cm) drusy		224. 5- 23	0. 007	<2	. 88	12	1600	10	
225e		v, cosp. hd. prop. (Bs)	224, 5-224. 6=		224. 5n		224. 6							
-	A 0	prop. (Bs) brecciated ~ 50-20' she.fr.	bleached 226. 4-229. 7m		Cal.films(10cm) Cal.films	L		1	.  -					
-	*	- 20 20 SHE. IF.	w-oleached					e	<b> </b> - ;			<b>1</b> .		
	×		pale grn.			:			i i	sina 1			:	
230:	• 🍖 -	basic prop. fine			Cal.films(w)									1.1
	1 *									:				
. 8	<b>*</b>	br-prop.								}		1.12		
-		included					· ·						.	
_		:					1			· ·				
235=	*				· ·					<b>)</b>				
-							-  -				a			
-				1					1 A - A -			1.		
-	A .				-		}							
240a			carb, dot				[		:		· ·			
.40¤ ^		740	Car 0, 401					· · ·				: · ·		1 .
. 9 - 7	۸	← <sup>20°</sup> grn~purple ← 45°she, fr-Cal, film		Ì		\	ŀ			[			1. * se <sup>2</sup>	1
.5	4	prop. /flyal,								·	n Na Sta		- 1 <sup>14</sup> - 17	<u></u>
-	^	Cal. film wix. poor comp.				] ]	]				1 - 1 - 1 1 - 1 - 2 - 1			1
45 <del>0</del>	<u>ه</u> .	coup.			Cal. films									
~	<u>م</u>	-20° Cal film	246, 7-250, Oz				246 7~							
.7	4	← 25°	w-bleached		947 4-		24	0, 018	<2	210	8	450	3. 5	- I
. 2	4	25" 60"	pale grn.		247.0= Cal.vlt(0.5cm)	[	247. 2							
	×a				Cal films					1.515				
50¤		· ·		. [		L. L	<b>.</b> .		( ÷ -	ţ	[· · · ·	1	1	

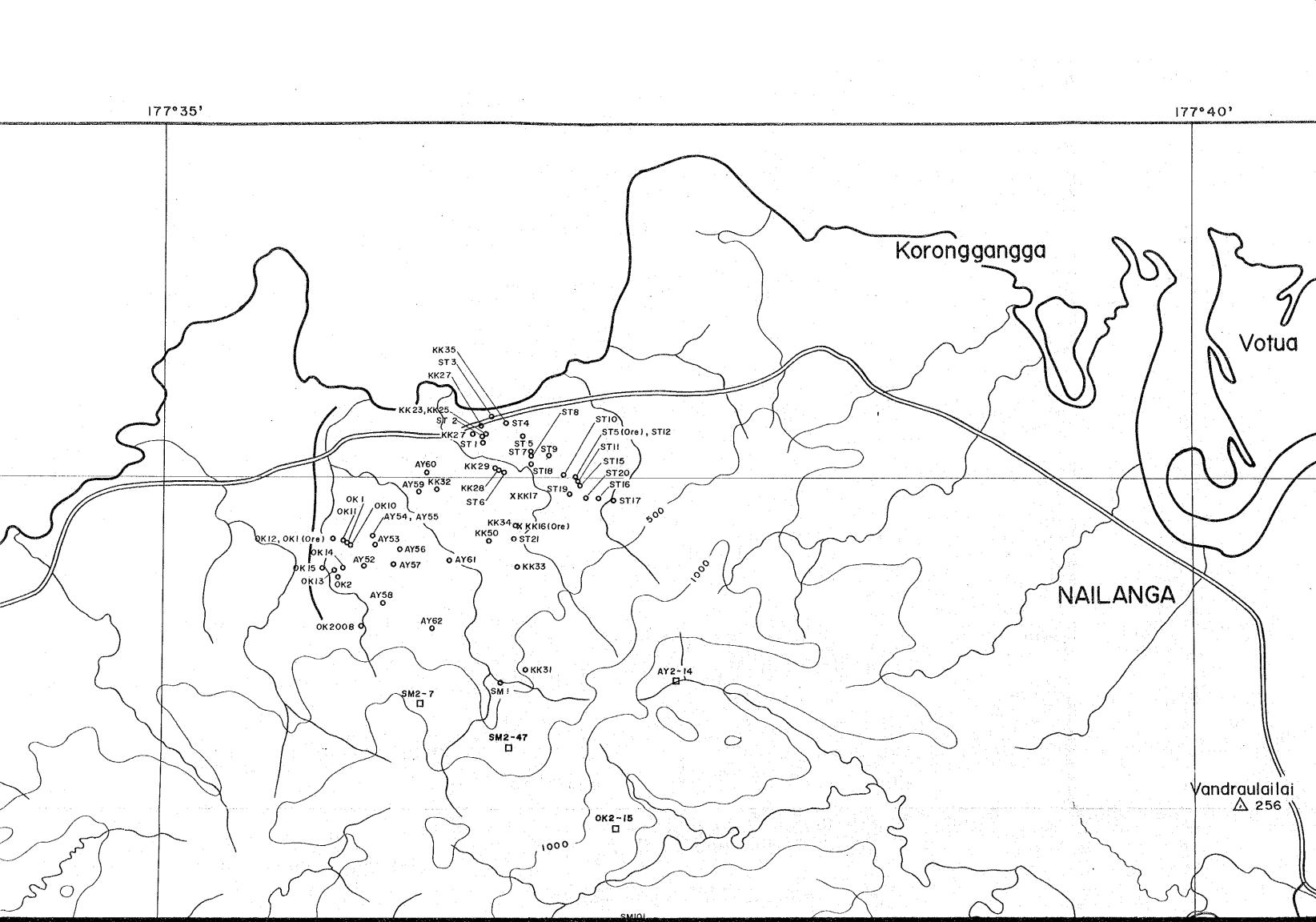
Drill hole No. : MJF - 7(6)Latitude : S

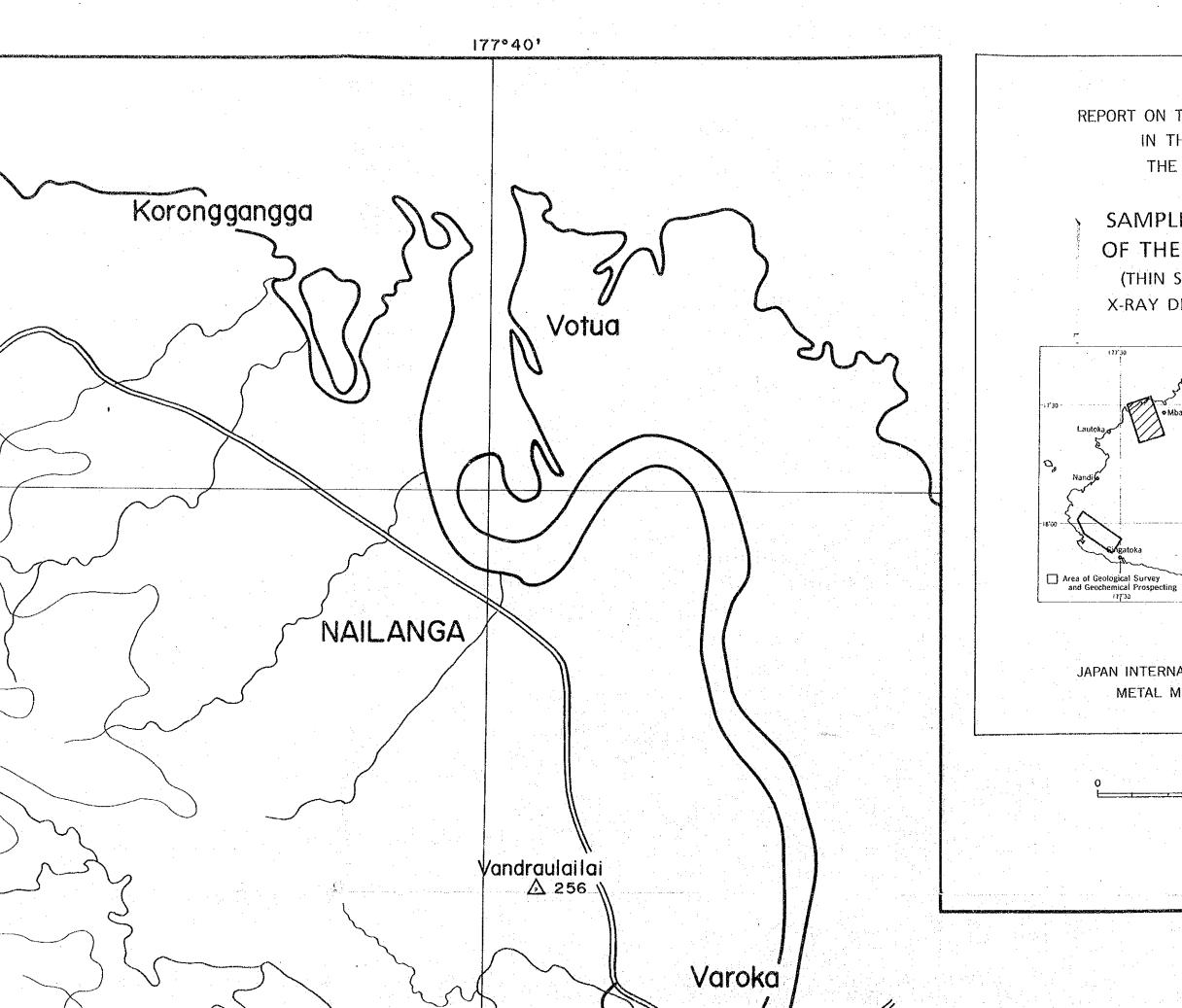
Direction : Longitude : E

(true north) Inclination : -55° Elevation :

		· · · · · · · · · · · · · · · · · · ·											(6
Depth (n)	Core Log.	Lithology	Alteration	Mineralization	R, Q, D 0~100%	Samp. No.	Au ppm	۸g ppm	Cu ppm	Pb ppm	Zn ppn	Те ppm	N pp
250m	* *	grn basic prop.(Bs) comp.hd.	str. prop. (carb. )	Cal.films-dots	17111171 50								
. 4	۵	ch-m 50°				2							
255a	۵	brec-prop./Hyal. comp. hd.			ſ								
	.4	grn~purple	-										
. 5	ه. v v	blocks		Arn -									
1		40*		257.5m Cal.vlt. (0.5см)									
260m . 8	4	<b></b> 40°											
	A A	dk.grn. basic prop.comp.hd.	str. carb. (dot)		ļ								
· <u>1</u>	4	£55°	304. 0010. (UUI)										
265¤	<u>م</u>						:						
-		purple brprop. mtx.poor oxi.											
-	N/A	mechanically br.											
270±	v v AXY	block oxidized 											
. 6	×	30° ch-m. fine basic prop.											
2 1 . 8	*	dk.grn.v.comp.hd. - 30° Cal.film - 40°	272. 7-278. 5n						- -				
_	• • • •	60° Cal.film	v-bleached			274.0-					н н. Та		
275m	v A	mechanically br.		274n1-277.6m Py.diss.in mtx. Cal.films		275.0	0. 016 0. 017	<2 <2	210 190	21 12	2100 2000	11 9.4	
- 6	Δ ν.			Ca1, 11140	L J	276. 0 27	0. 015	<2	210	8	83	3.4	
-	v . A					277.0 28 277.6	0. 071	<2	230	10	79	3. 2	
280	<b>4</b> ∨	grn. Hyal. /ess. tf-br.			ļ	211, 0							
-	v A	<del>«                                    </del>		281. 8n]drusy Cal.									
	م ب			282.0n vlts. (0.5cm)			0.011	<2	170	. 9	78	7.2	
285a	v۵					282, 05					·		
.ī	-v - 9 - 4	block 60° she, fr.											
9		← 50° Cal.fils ← 45° Cal.file		286.9m Cal.vit. (0.5cm)									
298a	▼ 61		· ·										
-	ΔV			291. 4~293. 3n									
. 3	*	← 40° basic prop.(Bs)	291. 7~293, 2et bleached	Cal film net		292. 7~ 30	0. 005	<2	190	. 9	73	6. 7	
.4	****** 4 v	<del></del> 35°				293. 1							
295m .4	VΔ	- 65" Cal. film		296.7n Cal. ult. ( 9 au)	لے								
ĩ	∆ ∨ ∨ ∆	65° Cal. film 60° grn. br - prop/ Yess tf-br coan bd		Cal. vlt. (2cm)		296.7~ 31	0. 025	<2	141	6	1 77	1.6	5
	<b>A</b> A	¥ess.tf-br,comp.hd. <sup>70°</sup> Cal.film 40° Bs.			Ĺ	297.1							
300a.3	(谷)	-50° blocks inc. -35° Cal, film		Cal, films					۰. ۱	1	1:		







PL. I REPORT ON THE MINERAL EXPLORATION IN THE VITI LEVU AREA, THE REPUBLIC OF FIJI PHASE III SAMPLE LOCATION MAP OF THE MBA-WEST AREA (THIN SECTION, ORE ASSAY, X-RAY DIFFRACTION ANALYSIS) LOCALITY MAP 178 30 10 29 m FEBRUARY 1993 JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN

