Fig. A-2 Microphotography of Polished section

Abbreviation

Py: pyrite

Cp: chalcopyrite
Bo: bornite

Dg : digenite

Cv: covelline

gco: grey copper ore
Mo: molybdenite

Mg : magnetite

Hm: hematite

Sp: sphalerite

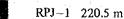


RPJ-1 202.5 m

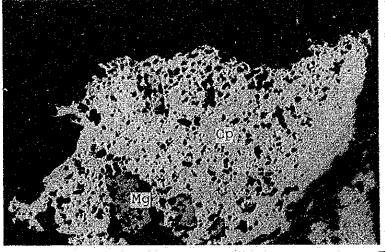
Tiny molybdenite rarely occur in granodiorite.

Open nichol

0 1mm

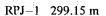


Chalcopyrite $(0.5 \sim 1.0 \text{ mm})$ disseminated in granodiorite. Magnetite grain $(0.1 \sim 0.2 \text{ mm})$ occur in irregular-shaped chalcopyrite.

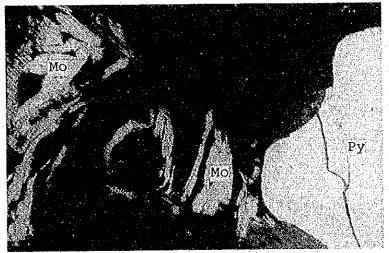


Open nichol

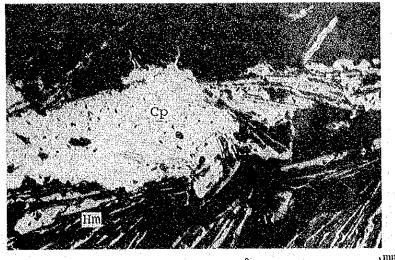
1mm 1



Chalcopyrite-molybdenite-pyrite bearing quartz veinlet (15 ~ 18 mm) in chloritized granodiorite. Foliated molybdenite and granular pyrite observed in this photo.



Open nichol

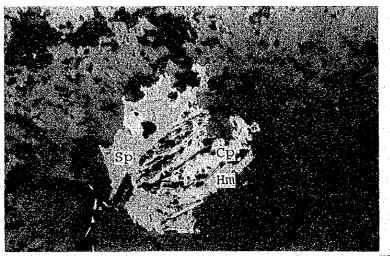


RPJ-3 287.0 m

Hematite-chalcopyrite veinlets ($1\sim2$ mm) in andesite. Hematite shows straightly elongated lamellas, and chalcopyrite fills in their aperture.

0 1^{mm}

Open nichol

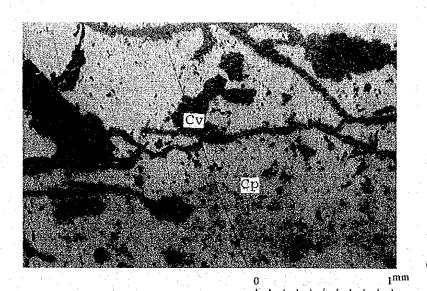


RPJ-3 287.0 m

Sphalerite-chalcopyrite-hematite aggregates occur in andesite. Sphalerite and chalcopyrite fill in the aperture of hematite lamellas. Chalcopyrite also occur in sphalerite as tiny dots.

) <u>1</u>mm

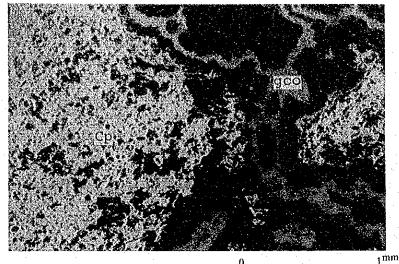
Open nichol



a-3143 (a)

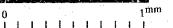
Massive chalcopyrite ore with supergene covelline and grey copper ore.
Covelline and grey copper ore occur along the cracks in chalcopyrite as secondary sulfide.

Open nichol

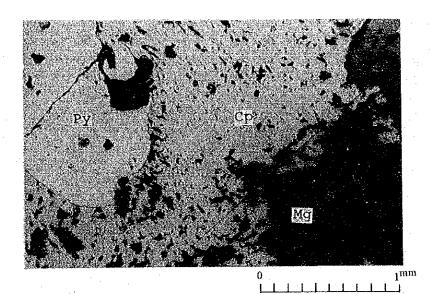


a-3143 (c)

Massive chalcopyrite partly replaced by grey copper ore along the cracks.



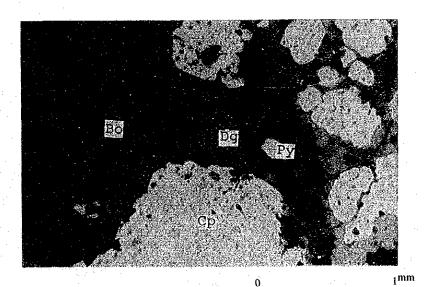
Open nichol



f - 3124

Magnetite-bearing rock cut by pyrite-chalcopyrite vein.
Magnetite is unevenly disseminated in altered rock. Pyrite grain is enclosed by chalcopyrite.

Open nichol



a-3355

Enriched pyrite-chalcopyrite ore. Chalcopyrite is replaced by supergene bornite and digenite.

Open nichol

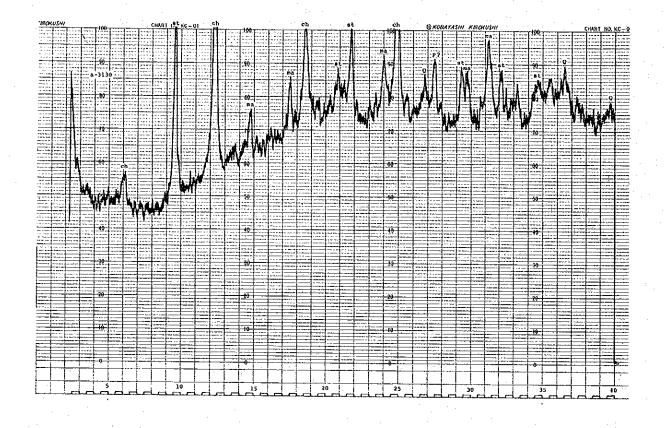
Fig. A-3 Cart of X-ray Diffractive analysis

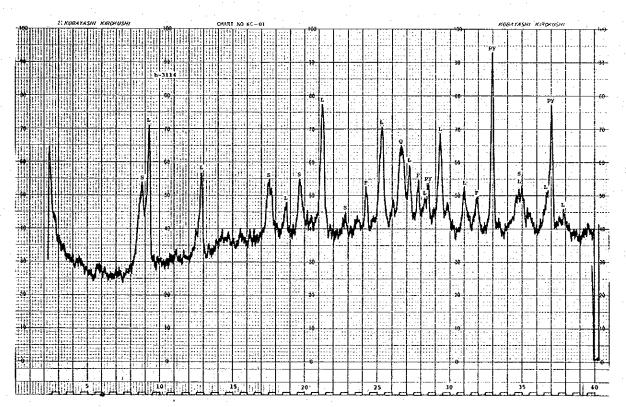
Abbreviation

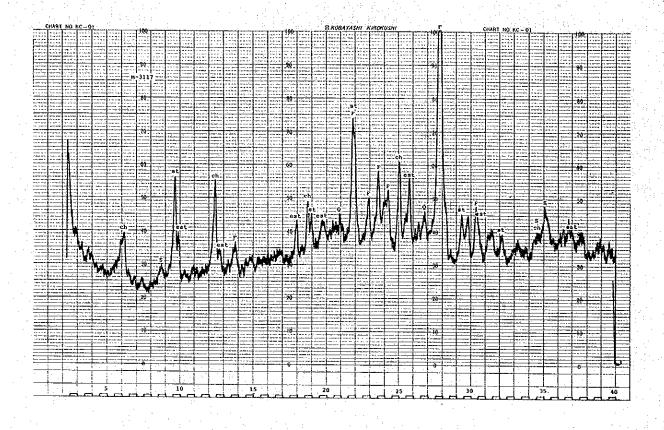
Q quartz F feldspar epidote еp chlorite ch S sericite K kaoline P pyrophyllite dias : diaspore alunite al mirabilite mi epistilbite est stilbite st L laumontite J jarosite pyrite рy malachite ma

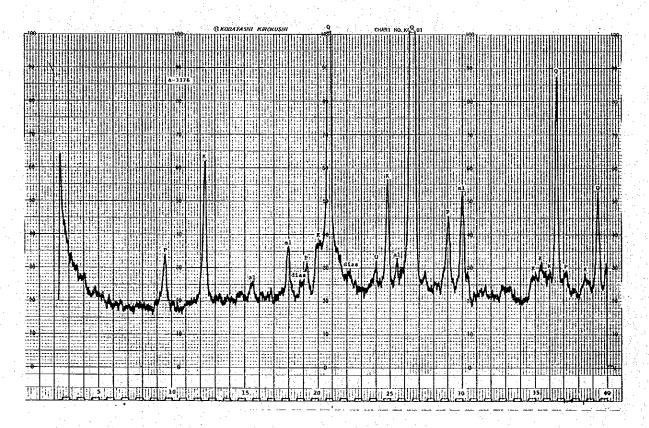
Condition

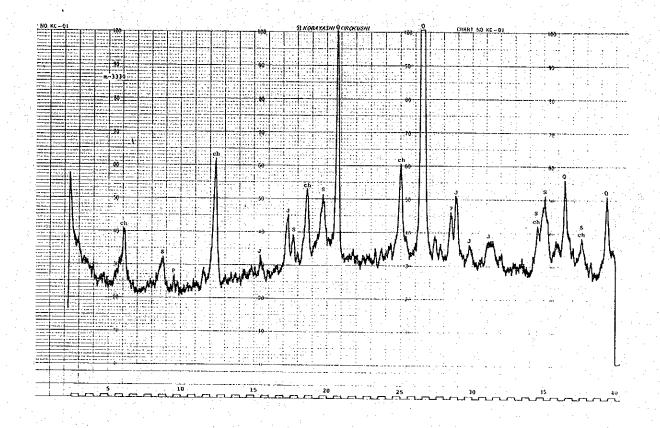
Х-гау Cuk Filter Ni-filter Voltage 30KV Current 14mV Time constant 1 sec. 1,000 cps. Full scale 2°/min. Scan speed Chart speed 2cm/min. 10 D-slit R-slit 0.3

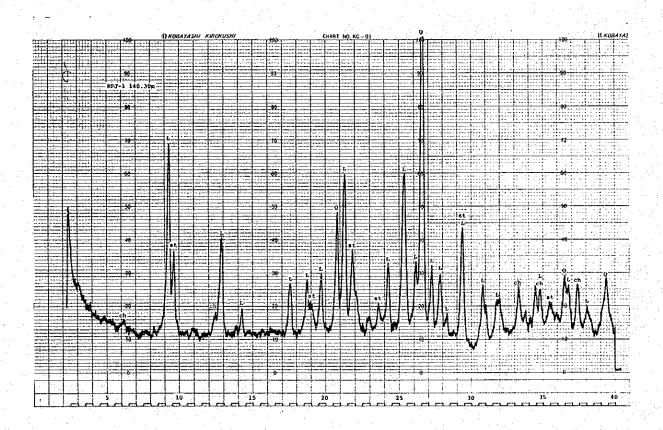


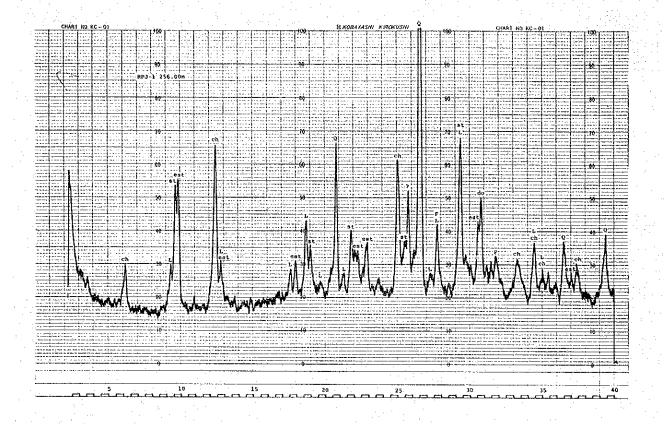












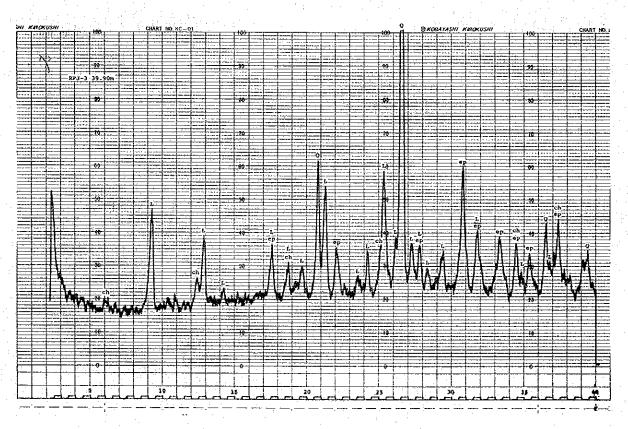


Fig. A-4 Core Log and Assay (1:200)

RPJ-1 (310.0m)

RPJ-2 (310.9m)

RPJ-3 (311.3m)

R	рЈ	-				····			Scale 1:200
Depth	Core Log	Widtl		Ag		Мо	S	Geology	Mineralization & Alteration
								0.00 ~ 8.30 cream colored soil.	
- A				5.4					
-								Maria (n. 1865). Harris Maria (n. 1866). Ang kanalang manggarang kanalang menganggan	
: ; ;			1.						
- · · · · -									
. · · <u>-</u>							٠.		
								8.30~ (1.35	
	ן .							weathered qtz dlo.	
10	ין י ין						- 1	- 사용하는 사람들이 사용하는 것이다. - 선생님 및 설립 - 전	
	<u>-</u> 							11.35 ~ 13.00 fresh, c.g. qtz dlo	
:	7							13.00 ~ 14.55	
	7~7 7~7							light grey, argillized qtz dio.	
_				ŀ				14.55 ~ 18.00 NON - CORE	
									[於明] 化化金属 医氯酚
								18.00 ~ 21.10	18.50 ~ 19.15 calcite yein network
				:	:			c.g. qtz dio mafic chloritized	18.90 calcite veintet (W=5cm, 0=30°)
20	1 1						1		20.75 calcite vein (longitudinal)
	<u> </u>							21.10 ~ 22.50 hord, dark green chl. andesite	21.50 ~ 21.65 qtz-cal, vein with few py,
21. 84	}			٠.				22.50 ~ 23.00 c, g, qtz dio	22.65 drusy qtz vein (W=1~2cm, longitudinal)
-	7 7		, ,					23.00 ~ 23.40 dork greenish grey andesite (hornfels)	23.05 qtz vein (W=2~3cm θ=40~80°)
_	Ø10 1 1							2340 ~ 29.20 m.g. atz dio. partly with andosite xenolith	
#≟ 	10 1							partty with anasone xenoting	
	1 01								
	0 1 6							29.20 ~ 33.25	
30 -								dark greenish grey andesite hornfels intruded by qtz dio dyke (W=10cm±)	
-								everywhere	
-	/// _\								
· -	1 7		1. 4					33.25 ~ 34.50 m.~c.g. qtz dio.	
	Λ Λ 1						1	34.50 ~ 35.15 dark greenish grey andesite hornfels	
· · ·	7 7			- 17 - 21				35.15 ~ 37.55 m.~c.g. qtz dio	35.40 ~ 35.60 drusy qtz. cal. vein
- 2. 14 .2	7/1			•				37.55	
							Stell	dark greenish grey andesite hornfels intruded by c.~m.g. qtz dio dykes	
40 -	<i>Y</i> /							(W=10~50cm) everywhere	
_	///								40.40 ~ 40.50 drusy qtz. col vein.
	<u>// //</u>								42.65 qtz vein (W=lcm, 0=70°)
	////		9/1			1.3 12.2			
		0.2	0.0	5.4	1.64		1	45.50 ~47.10 dark greenish grey andesite hornfels	44.60 ~ 44.80 two drusy py - qtz veins
	// / A							47.10 ~ 48.20 m~c, qtz.dio 48.20 ~ 48.50	
	۸ ۸ ٦ ٦							4850 4890	
	- <u>q</u>						١.	, m.~c.g qrz. alo 4890 ~ 4950	
_	Λ Λ.Δ.							dark green andestre hornfels 49.50~ 50.00 m.~c.g. gtz. dio	

Depth	Core Log	Width		Ag		Мо	S	Geology	Mineralization & Alteration
_ <u> </u>	1/1/2 1/2/2							50.00~53.00 dork greenish grey andesite hornfels Intruded by 912, dio. dykes everywhere	
	Λ//Λ 1 1 1 Λ Λ	m	9/1	9/1	%			53.00 ~54.00 m ~ c.g. qtz dlo: porphyritic 54.00 ~54.70 dark greenish grey andesita	
	777		0.0	7.7	2.76			stl. hornfets 5470~5570 c.g. qtz. dlo. porphyritlc 55.70~5640 dark greenish grey andesite	55.70~ 55.80 py. cai. drusy patch (W=2cm±) 55.80~ 56.40 qtz. py. drusy film. network
	7 7 7 7 7							56.40 ~ 62.10 greenish grey qtz dio por.	
60 -	7 7 7 7 7 7 7 7								60.50 qtz. yeln (W=1cm. longitudinol)
	****							62.10 ~ 63.30 dark greenish grey andesite only 63.30 ~ 67.10 dark greenish grey andesite hornfels intruded by qtz dio. por. dykes everywhere	62.00~65.00 qtz. yein network (longifudinal)
	5/A 1 1 1							67.10 ~ 72.20 θ = 20° qtz dio. por.	
70 —	7 7 7 7 4								68.60~ 69.00 qtz. epi. cai, drusy vein (W=3cm.longitudina
	Λ Λ Λ Λ							72.20~74.80 dork greenish grey andesite hornfels	72.20 cp. grain bearing col. vein (W=2cm. 0=20°)
	Λ 1/////// 1 1							74.80 ~ 79.30 qız dio por. chl. epi	75.25~75.40 drusy cal. vein (W=15cm. 0 =70~80°) 75.60~76.10 py, bearing chi, cal. drusy vein (0=20°) 76.40~76.50 cp. cal. epi, chi, druse
	1 1 1								77.05~77.20 cp bearing epi. cal. drusy vein 77.70 cp. cal. patch (W=2~3cm)
80- -	* A							79.30 ~ 80.00 dark greenish grey andesite 81.40 1ight greenish grey qtz. dio, por. epi ch. 81.40 ~ 85.15 dark greenish grey andesite hornfels intruded by qtz. dio, por. {W=30cm-}	80.00 cp.py epi. veinlet (W=1cm. 0=90°) 80.00~81.40 epi. cal. veinlet network (langitudinal). 81.40~85.15 cp. diss. 8 film
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	6.3	0.0	2.2	0.72	-			84,60~84.90 mg. cp. qtz. epi, drusy vein
	X X 7 7 7 7 7 7	1 :						85.15 ~ 87.40 Ilight greenish grey qtz dio. por. partly biotite bearing 87.40 ~ 88.50	
90-	A A A A A A A A A A A A A A A A A A A							dark greenish grey andesite hornfels 88.40∼91,50 c.g. qtz. dio por partly with andesite xenolith	89.60~89.65 chi cal epi drusy veinlet (0 = 40°) 90.40 epi cal drusy veinlet (W=5mm± .0=45°)
	1 01 1 01 1 1							91.50∼93.50 dork greenish grey 41z dio por	So. To opi, out, sites, forms, the series
								93.50~96.40 Hight greenish grey, c.g. qtz. dio.	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							96.40 ~ 96.60 greenish grey qtz dio dyke 96.60 ~ 98.70 light greenish grey, c.g. qtz. dlo. 98.70 ~ 104.40 brecciated qtz dio. intruded	96.70 cp: disseminated

	Core	سنسم		SS					Scale 1; 200
Depth (m)	Log				T-	Мо	s	Geology	Mineralization & Alteration
			1						
			1						
	OZO							04.40~105.20	104.40 light greenish grey, clay - qtz. vein (W=Юст, 0=
	7 7.			:				mof. a. atz. dio. (leucocratic) 105.20 ~ 105.40	105.45 py. qtz. drusy veinlet (W=10cm)
						17.6		dark greenish grey andesite 105.40 ~ 106.65 c.~m.g. q1z dio.	py. cg. diss.
	\ \ \ \ \ \ \ \			:	٠.			106,65~108.20 dark greenish grey andesite hornfels.	106.65 ~ 106.75 fissure filling py-cp-cal-ap-chi vein
	ור, ר		1.					intruded by qtz. dio. dyke 108.20 ~ 109.50 m.g. qtz. dio.	
110 -	Mille							109.50~113.10 dark greenish grey andesite hornfels	10930 ~ 10940 py-cp-qtz vein
								intruded by sil. qtz dio. dyke	110.10 to 110.50 highly py. cp. network and diss. zone
-]	'				. :		
	4 1							113.10 ~ 113.40 brecciated gra- dio.	
· : '=	++		2					11340 ~11660 m.g. gra-dio, partly porphyritic epi, chl.	
	+ +				.: .			epri, citt.	
, v . v .	+					1.1		116.60~ 117.15 qtz. dio. por	
	+ +							117.35 ~ 12010 gra~dio.	117.15 ~ 117.35 light olive green & light brownish grey cal. epi. vein (W=20cm. 0≈55°)
-	+ + +								with py. diss.
120 -	7 7							120.10 ~ 121.80	
-	7 7							dark greenish grey atz dio por	
_	+ +							121.80~127.00 gra – dio. partly porphyritic	
	+ +					:		sil. Andesite xenolith bearing in some parts.	
	+ +		1 :						
-	+		44 j						
1	+	No.							
-	า า		4					12770∼ 134.50 dark grey dolerite~micro-dlo.	128.00 ~ 128.80 highly, chi., epi., zone 128.70epi. giz veinler (W=2cm,
-	71 TI							gra-dio xenolith bearing	
I30 —	า า ***********************************			Vig.		:			130.00 ~ 131.00 epi. chi zone 131.60 ~ 131.80 epi. chi. cai qtz vein (8 = 30°)
	1 1 1				:				
_	71 71 Ti								133.00 epi.col. veinlet (0=35°)
-	9 ¶					-			
-	7 7	2					: :	chi epi. qtz. dio. por	134.50 qtz. epi vein (W=1cm. 0=50°)
-	7 7							partly almost holocrystalline	
	7 7								
	7 7								於他,在自然中語於於基準數。
140	7 7 7					.			
	7								140.30 cal. epi. yein (W=I~2cm, Θ=30°)
-	។ ។ ។							142 40 - 14 7 00	
	+ + 1					- 14 N		142.40 ~ 143.00 Tight grey gra - dio, 143.00 ~ 146.50	
3 4	7 7 7			1.1				dark grey typical qtz, dio. por.	43.60 qtz.cal, epi.drusy vein (W≈1-2cm,longitudinat)
	7.7								ME EA LA ZA
1	າ ່າ :+:+:		: 1	:-]	. [46.50 ~ 46.80	145.50 ~ 145.70 qtz. cal. drusy vein (W=1cm±, longitudinal py. diss.

RPJ	- 1		100 mg/s 100 mg/s 100 mg/s				Scale 1:200
Depth Core (m) Log	Width A	Ass u Ag	ay Cu	Мо	S	Geology	Mineralization & Alteration
1 (a) - 1 (a)						52.80~ 55.00	
4: 4 - 1 - 1 - 1 - 1						155.00~161.50 qtz. dlo. por.	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						61.5Q.4 63.0Q	
# # # # # # # # # # # # # # # # # # #						m.~c.g. gra-dio. partly porphyritic 163.00 ~ 164.10 qtz. dio. por. 164.10 ~ 166.30 (0=30°) porphyritic gra-dio.	162.00 epi veiniet (W=3cm, 0=25°)
- * +						66.30 ~ 68.00 grey qtz. dlo. por. 68.00 ~ 74.80 m.g. gra ~ dlo. partly porphyritic	166.80 qtz. cai. veinlet (W=1cm, 0=10~20°) With py. diss.
170 — + + + + + + + + + +							
+ + + + + + + + + + + + + + + + + + +						175.00 ~ 189.40 grey ~ greenish grey qtz dio. por.	174.80 ~175.00 (cp) py. cal. drusy veinlet (network
1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7							182.00 qtz. chi. epi. velniet (W=l~2cm, Θ=15°) 182.30 ~ 185.30 drusy veinlet with much py.
190 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						189.40 ~ 189.60 m.g. gra - dio. 189.60 ~ 189.80 qtz. dio. por 189.80 ~ 190.00	
<u>े</u> ने ने ने ने ने ने ने ने ने ने	m 9	/r ⁹ /r	%	%	%	mig.gra-dio 190,00 ~ 191,00 qtz.dio.por 191,00 ~ 191,40 mig.gra-dio	195 20-2000 a fay as and an dis-
10 10 10 10 10 10 10 10 10 10 10 10 10 1	2.8 0					19600~217.00 f. and m.g. gra - dio.	195.20~200,00 a few cp. and py. diss.

R	РJ	***	-						Scale (:200
Depth (m)	Core Log	Width		Ag		Мо	S	Geology	Mineralization & Alteration
y b	4 4								
	. + .	3.0	0.0	0.5	006	0005	035		일시 회사는 경기회에 있는 경기 전기 가는 것이 되었다. 그 같은 경기 일본 사람들은 경기 기계
	+ + + - + + +								202.90 cp. diss. 203.60~204.60 highly chi. epi. 204.00 pycp. diss.
	1.4								(되면), 왜 결정한 사람은 모든 말이 되었습니
	+	3.0	0.0	0.5	0.12	0000	026		205.70 ~ 205.90 pycp. dlss.
	+ , + 				-				
	+ +	3.0	0,0	0.6	0.14	0000	030		208.05 ~ 208.90 ру ср. diss.
210-	. +				.3.	- (17)			
	<u></u> ‡+	30	0.0	nα	റാറ				
-	سالت.	3.0	0.0	0.5	UZU				i
	# T								212.80 pycp, network 213.55~213.70 cp. diss. 213.70~216.00 highly epi, pycp. diss.
	+ +	3.0	0.0	1.4	043	0000	085		210.00 21000 inginy ept; py,-cp, uiss.
	.+			_					21600 ~ 217,00 highly chi. pycp diss.
	===	ļ, ,			37		201	217.00~ 260.00	217.00 ~ 218.40 py - (cp.) diss.
	+ . + .	3.0	0.0	0.0	U.SS		UOI	gra - dio. partly porphyritic	
۔ ممم	+			-					
220-	+ +	3.0	0.0	0.7	0.26	0000	048		220.20 qtz. vein with cp
	4. 4					\$1 \$7			221.50~222.00 many qtz, veinlet with minor amount of py, and cp.
	+ .								222.00~223.50 py diss.
	+	3.0	0.0	06	0.11				
	<u> </u>	1 1		100					225.10 py. cp. diss.
	+. +. +	3.0	0.0	0.5	0.18				22600~ 228.80 py. cp. diss.
		1							228.35 ~ 228.80 highly chl.
	±±								228.80 ~ 229.25 highly py diss
230 —	Ŧ Ŧ	3.0	0.0	0.6	0.21	0000	063		230.00 ~ 230.50 highly chi.
	+	4							231.00 ~ 232.00 py. diss
		3.0	0.0	0.2	006				232.30 ~ 232.80 abundant py in the fissures.
	1 1				27				
	· · · · · ·				Trans.				234.50 ~ 235.00 highly chi.
	-	3.0	0.0	0.4	0.12	0000	1.17		235.40~237.80 highly chi. epi. and. py(cp.) diss.
	# T		1.4 (- 2)						237.80 ~ 239.50 cppy. diss
	+ +	3.0	0.0	0.2	0.11				
240 —	* * . 								239.50 ~ 242.45 highly chi epi. and py. diss.
	. +	2.0	0.0		000				이번도 잘 하는만 선물로는 하는
	+ +	3.0	0.0		vvo				
	+ +	100 mm / 100	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						243.70 ~ 244.70 highly chi, and py diss.
	= : =	3.0	0.0	0.4	0.05				244.30 cp dots found 244.70~24900 py. diss.
	 								
	+ +	7 ^							
	→ ·	3.0	0.0		0.14	JUUD)	125		
19.15° -	. + .	-	1		17.1		-	·	요. [전략 제품 경기도 등을 하는 회원 기가 되었다.]

******	P J Core	****	*	55	пv				Scale 1: 200
Depth (m)	1 to 1 to 2	Widt				Мо	S	Geology	Mineralization & Alteration
- 1417	+ . +		0.0			4	-2		249.00 ~ 292.30 py. diss 249.00 ~ 260.00 partly op. diss.
	+ ` + ` `		1	١.					215-00 200.00 purity up diss.
	+ -+						3.1		
] +:		20						
	1 4 1	5.0	0.0	2.0	0.29				
	* · + · · · · · · · · · · · · · · · · ·						ja. 1991	255.70 ~ 257.00 argiilized zone	
		100		(2)				with barren cal, veinlets network	
	4						Ė	c.g. gradio	
	 - - -	3.0	0.0	1.2	022		(1) (5)		
260 –	्री वि. च	-				-		260.00~ 263.00	
	1 1				- 1 12			micro - dio ~ f.g. qtz. dio. 261.30 ~ 262.55	
	~ ~			1			20	sheared zone with light grey clay & cal. veinlets	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1					263.00 ~ 263.40 c.g. gra - dio.	
	1	14.1						263.40 ~282.60 dark grey ~ blackish grey micro - dio.	
	1 1 1							micro - uto.	
]]]]					174		20200 1 202 20	
								267.00 ~ 269.30 argillized zone with white clay epi, cal, veinlets	
270 -	1 1				1,4			269.30 ~ 282.60 dark grey ~ black	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							micro-diorite	
	7						7		
	_ ี จ ก			, V .					
	n n n							[1] 连军队 经发票 的复数	
	ีฆ∙ า				1				
	ii								
	"								
280] _{"1} - 1								
	, ¶								
	า ก ก ก ก					17 T.			
	+						100	282.60 ~ 299.60 c. g. gra ~ dio.	
	4 +				7				
	. + + . +								
						1			
	+ +						1		
	 , +.								
CO ^									
290 -]+· +					S ₁			
] +	m	9/1	9/	%	%	%		
]+ +				1		1.5		292.30 ~ 295.00 py. cp. diss, and partially cp. st bearing
		27	0.0	2.2	052				
			-						295.00 - 298.00 py.cp. diss stringer
	1.								에 많은 사람들은 경기를 하면 기계를 받아 있다. 사람들은 기계에 가는 사람들은 것은 것을 하는 것이다.
	1. 4.	3.0	0.0	2.0	058				
	 	<u> </u>		7.0			-:-		298.00 ~ 299.60 py. cp. highly diss. 299.00 ~ 299.30 cppy (Mo)-qtz voinlet (W=lcr
	4	1.6	0.0	22	0.66	002	5131	Part of the Salakis	2000 - 200.00 cppy (MO)-qtz Vointet (W*10)

	P J Core		Α	5.5	'nν	eşraksen			Scale 1,200
Depth (m)	Log	Width	Au	Ag	Cu	Мо	S	Geology	Mineralization & Alteration
-	্ন ্ ্ন							m.g. qtz. dio por.	
	7 7								
		m	436. At	250		%	%	303.70 ~ 310.00 m ~ c.a. grg - dlo.	303.70 ~ 305.00 calepl-clay veinlet network weak py. cp. diss.
					0.10	1		m. ~ c.g. grd dio. 303.70 ~ 305.00 highly drgil. sil. zone 305.50 ~ 306.70 highly drgil. sil. zone	
	1. T	1.2	0.0	1.4	0.28			highly drgil. sil. zone	306.70 308.45 cp. py. diss.
	+ +	1,75	0.0	0.9	023	0000	0.33		
310.0-	+ .				0				
-									
							3-5 		
			1						
1 4									
_									
-									
									되었습니다. 그 얼마는 얼마
									제공보다는 보고 보고 보고 해결을 하는데 있다. 제공원하는 회교 보고 보고 하는데 보고 있다.
							1400 2000 1400		경기에 보고 그렇지 하는 것으로 보이 하는데 뭐 보통하는 하는 그들이 된 것으로 하다.
				4					
) 44 34		
	10								

Depth	Core Log			SSC An		Μn	S	Geology	Mineralization & Alteration
; (m) •					<u> </u>			0.00 ~ 2.00 light brown colored soil	
	31 (1) (1) 1							2.00 ~ 13.20 weathered , chl., m.g., qtz. dlo. por	의 :
	1 7 7							wouldered, out, they, dis, die, bot	
	i -								
									기가 되었다. 전 그들도 중 대한 제에 고객객들이다. 기존 (제공 등) 등 기급을 가루하는 사람이 등록하고 있는
	1			111 444					경찰 시간 환경 시간 상황 경기에 가입을 받는 것 같다. 참 통령 교육 최일 환경 사고 있는 기본 경우 그렇게 되었다.
] n = 7								
10 -	- - ¬ ¬ ¬						4		
	ก ก ก								
	1							13.20 ~ 34.00	
	7 7		11.					m.g. qtz.dio.	
] n = 1								
	1 7						Ç.		16.40~17.50 qtzcal. velitlet (W:lcm. longitudinal)
			Ž.						18.70~ 18.90 qtz:-chi, velniet (W:lóm, longitudinal)
20-									
	1								20.00~24.00 many qtz. veinlets (W=lcm±, longitudin
	1								
			5 - 2j15						
	7 7	1							
	1								25.20~27.00 2~3 qtz. veinlets (W=lcm±, longitudinal
] ¬ ¬	1							
	្ឋ ។ ។ •								
30-	٦,								
] ק				J.				
	7 7								
	<u> </u>							34.00~39.00 f.~ m.g. qtz. dio.	34,00 drusy qtz. veinlet (W=0.3cm, 0=30°)
	7 7 7								
	∃ ק								
	- - -	1 164						39.00 ~71.50	38.40~39.70 pyqtzcalepi. veinlet along the boundary of andesite and qtz dio.
40-	\ ^ <i>,</i>				37			dark greenish grey andesite hornfels	
	A	1							41.00~45.00 py~epi qtz. veinlets abundant
	J.			-					
	1	1							
	N.								
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								
	^ ^ /						1		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								

Depth (m)	Core Log	i Edih	A	SSC An	y Cu	Mo	Q	Geology	Mineralization & Alteration
(m)	LUG	MIGIL	AU	HY	ŲΨ	IVIO	3	dark greenish grey andesité hornfels	
-	٨							and the state of t	
1.	٨			3.3					
-	۸ ۸				E.				
	٨		11	5, 8 ° 5 • 6 ° 8					
	۸۸	(Alah							[문항목 문제 쇼핑 얼마를 출시한
-	l . ^ .		ed e	, tr 100					
	^ ^					1 1			
	N _ N								58.70~59.70 py - gtz -chi, vetn (W-5~10cm, longitudinal
									ooro ooro py-qiz-qii, vari (n-o-totii, kiigitudiju
60 –	7				in.				60.30 - 60.50 py - qtz. drusy velniet (W=3cm, 9=25°) 60.50 - 61.70 py. film much
	1								61.70~63.30 py-qtz-epi veintet (W=2cm, longitudina
	1				Ĵ.				
	7								64.10 ~ 64.90 py. veinlet (W=1cm, longitudinat)
_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1							Sales Sales by Asimist (A Florit, Poligitudital)
	۸۸								
	Λ,								
	Λ . Λ						١.		[발발] : 사람들은 그 이 경험 : 그 등장을 보고 하였다. [발표] : : : : : : : : : : : : : : : : : : :
70 –	Λ.								7050 7000
-	۸ ۸				3 1 1 2				70.50~70.80 pyqtzchi. vein (₩=7cm, Θ=30°)
-								71.50 ~ 100.30 light greenish grey qtz. dio. por.~qtz.dio.	71.90 ~74.00 some qtzepi veintets.
	-							holocrystalline in middle part.	
	1	3	11		3				74.00 ~ 74.20 qtz epi veinlet (W=lcm, 8=30°)
	7						1		75.80~80.20 some qtzepi veinlets (0=30~40°)
	7								Suite dir. ch. felinels 10-09 40 /
	1	1	1:1				1		
	~		7.						
80-	7				3				
	1 7				361. 1				[휴업소의 상대 기가 전 [18] 등 등 수 없
	7								
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	- r						:		
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	ר הן				2.5 -\$*				
	1 1 -								
	7		10 14 1	: .					
	٦ -		71 A				14.		
90-	1_ 1	1: :							
							*		
	<u> </u>			1					
']		1						
	' -								
	7 -	1							
				P. C.			A C		96.30 ~ 96.50 qtz. veinlet (W=lcm, 0 = 15°)
	1								
	3 7								
	l a	17.	1	Late	10/10	400	L	▲ 10 BB 14 G PR 14 BB 15 BB 16 BB	用的现在分词 化双氯化物 计成本 医电流流 医二氏试验 网络克克斯特

Depth	Core Log			SS		Мо	s	Geology	Mineralization & Alteration
1017	7.3	-	,,,,	פייו	-	111~	Ť	100.30 ~ 128.40 dark grey ~ greenish grey sit. aphanitic andesite hornfets	100.30 ~ 128.40 Py -qtz.~chl. veinlets network (W = ~ 5mm)
· · •	1/1							sil, aphanitic andesite hornfels	
			12.				,		
-	1								
-	$ X\rangle$								
_	$\langle \lambda \rangle$								
110	1								
	XV		.:						III.60 pyqizchi. veinlet (W=1cm)
-	(V)					"			
_	1/1								
-	M								
-	X/*							li7.30 leucocratic, holocrystalline rock dyke (W=5cm, 8=70~80°)	
-	1/							dyke (H-30lii, 6 - 10 - 00)	
120-	1			'					
_	X								
-	M								
244 -	N/A			:					
=	A) N								
-	11					:		128.40 ~ 131.80	
17.0	7 7 7							qtz. dio. por.	
130 – -	7 7							l aradual	
-	า <u>า</u>							gradual 131.80 ~ 38.40 change perphyritic atz dio	
-	7 7						-		
-	7 7								
-	ר ו								
-	7 7						:	138.40 ~ 139.40	
140-								gtz. dio. por. 39.40 ~ 50.00	139.40 ~ 254.10 py,-qtzchl. veinlet network in ondesite hornfels.
-	[\sqrt{\sq}}}}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}\signtimetitinetita\sintitita}\signt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}\eqiintititititit{\sintititit{\sqrt{\sint{\sintii}}}}}}\signtimetititititititit{\sintiin}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}							dork greenish grey andesite hornfels.	Alfragila intilial?
-	1								
-									
	1								
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_	1/1/								
_	12								

Depth	Core			SS		Mo	<u> </u>	Geology	Mineralization & Alteration
(m)	Log	WXIII	Au	Ag	Uu	INO	5	15000 ~ 20000	
				1.2				dark greenish grey andesite hornfels partly intruded by	
	1							molectystalling lencoctatic tock dake 12	2.10 pyqtzepi. veinlet (W=2cm. longitudinal
	\^^\		1.						
-	X								
	MA	1		: 1	-				
٠	1								
	1/								
160 -	ZW.							16	0.50 ~ 166.50 py. qtz. chi. veinlets more abundant
		2		:					2.00. pyqtz vein (W=3cm, longitudinal)
-			1						(ii solii, longiteuliui)
	绞								
	X			-				l6	5.00 py-qtzcal-epi veinlet (W=2cm, 0=15°
-	+ + +							166.50~167.00 hotocrystalline leucoratic rock dyke	
	$\frac{1}{2}$			-					
170 –	N/A								
1170 -	A						. :	170	0.20 py -qtzchl. vein (W=5cm, 0=40°)
	N A	•		2.1				17	1.60 ~ 171.80 pychlqtz. vein (6 =40°)
· -	X.^								일 되고 그런데 아이라요.
	1/2/1							1.7%	
-	X							175.90	5.00 pyqtz.veinlet (W=1cm, 6=30°)
-	1						l	f.g. leucocratic rock dyke (W=2cm, 0=70°)	
-	K/					1.		17:	8.40~ 179.30 py qtz. veintet (W=lcm, longitudina
180-	1								
	(V)					. i		, I8 	0.40 pyqtzepi. vein (W=tcm, θ=45°)
	$\mathbb{M}^{^{\prime}}$								
	X V			:					
	/X /		,i					185.00 and 185.20	
_	X^							f.~m.g. leucocratic rock dyke (W=2cm, Θ=45°)	
	1			'					7.20 qtzepi, vein (W-2cm, 0=40°) 8.00 pyqtzepi, vein (W-2cm, 6=50~60°)
-	ATA			7					LV. J.w. Aboutain fit wall A . AA . AA .
190-	14								
	111								
	N/V								
-	<u> </u>					10 1 = 1		94.20~ 94.90	
	***/							white grey, mf.g. leucocratic rock dyke. partly porphyritic	
25, 75 ± ± £	M		: 4					197	.70 cppyqtz,-epl.vein (W=5cm, 6=25°)
.	XX							197	70 ~ 199.70 cppy. film ~ veinlets.
.	~XV			: 1			1.		

Depth	Core			SSC				Geology	Mineralization & Alteration
(m)	Log	Width	Ąu	Ag	Cu	Мо	S		200.00 ~ 230.50 pyqtzchi, velniets network
	V 7V							201.00 - 201.05 mf.g. leucocratic rock dyke (8=70°)	(W = 1~5mm)
	200							201.30 ~ 201.50 m.~c, g. qtz.dio, dyke (0=60°)	
	14/ X							203.10 ~ 203.20	
1	\V\ \						2	m.g. q1z.dlo. (0=70°) 203.40 ~203.60 m.g. q1z.dlo. (0=80°)	
	\ \\\\	\			1.			203.90 ~ 203.90 qtz.dlo. heterogeneous (0=40°) 204.20 ~ 204.40	
1	7 7 X						1	m, ~f, g =qtz, dio. (θ = 40°) 20600 ~ 206.10 m a = qtz dio. (θ =80°)	
	- W	1						206.50 - 206.80 m.~c.g. leucocratic rock (Θ=40°) py.diss.	
	-{\∕\							203.40 ~203.60 m.g. qtz.dio. (θ=80°) 203.80 ~203.90 qtz.dio. heterogeneous (θ=40°) 204.20~204.40 m.~f.g. qtz.dio. (θ=40°) 206.00 ~ 206.10 m.g. qtz.dio. (θ=80°) 206.50 ~ 206.80 m.~c.g. leucocratic rock (θ=40°) py.diss. 206.80 ~207.00 m.g. qtz.dio. (θ=40°) py. diss. 207.30 ~207.40	
210-	1/1/							m.~f.g. gabbro (0=50°)	
	1 × 1						: '	212.10~ 212.70	
	7,-7]						m.g. qtz. dio. (0=20°)	
	1 // , /				:				
ļ.,	// // v	`							
									218.40 ~ 219.20 pyqtzcalepichl. vein (longitudinal)
	- <i>yuuuu</i> u \/\					1			(iongriconnar)
] (\/\	\							
220-	- '^^\. ↑		:			1 5			
	-{\\							221.40	
	→	1						m.g. leucocratic rock (8=70°) 222.10~20 m.g. leucocratic rock (8=90°)	
	$\Lambda \Lambda$					١.		ing, leader and rook to so i	
	$\rfloor \langle \langle \langle \rangle \rangle \rangle$								
	\ <u>\</u> \\	1						226.00 ~ 226.10	
	+X							m.g. leucocratic rock (0=70°) 227.70 ~ 227.80	
			1 .				4.	m.g. leucocratic rock (8=45°) 227.90~228.00	
070	1/\//		ŀ.					m.g. leucocratic rock (8=40°)	
230		N N							230.50 ~ 231.30 qtzchlpy vein 231.30 ~ 231.80 qtz. vein (or silicified zone)
1	7 1							232.00 ~ 236.10	231.80 ~ 232.00 qtzchl. vein
	1/1	1						light grey highly sit andesite	
	1/1/						:		
	1.2	4					1	235.70~236.10	
	1 A A							si). leucocratic rock (0 = 50°)	236.40 pyqtz.veiniet (W=1cm, 0=60°)
	1/1/	5						237.50 ~ 243.40 light grey, highly sit, andesite	237.30 calchi. vein (W=1cm, Θ=30~60°)
	- (N	M -							
240		<u>, </u>							
	1/1/								
	1 1								
	-2	<u>'</u>						243.40 ~ 245.30 reddish grey porphyritic andesite	
	1,2]						hornfels 245.30 ~ 247.50	
	-13 N	1				-		highly sil andesite	246.60 ~ 246.80 chi. epi. qtz. vein (W=2cm, B=15)
	1/1	Á				1.	. .	247.50 ~ 250.00	
	1,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						dark greenish grey andesite hornfels.	248.10 pyqtz. vein (W=2cm, 0=40°)
	۸ ا			1		1	_	$\frac{ \mathbf{A}-25 }{ \mathbf{A}-25 }$	

R	РJ	lenis in	2						Scale 1:200
Depth	Core Log			SSC		Mo	S	Geology	Mineralization & Alteration
(m)	٨	шын	mu .	H	04	1110	-		250.30~ 250.70 byqtzepl. veinlet: (Walcm, 8 = 10°
	\ \ \ \ \								
	- Δ	6	9/.	9/†	%				
	7	/ 0.3	0.0	10.0	242				254.10~ 254.40 cpqtzepichl. vein (0=45°)
	# #	1	-				1 1	255.20~256.20	254.90 - 255.20 epichi-qtz. network zone
	No.					1.00	12.	highly sil. epi. py. andesite 256.20~263.90	256.20~263.90 pyepi,-qtz, veinlets network
	KXX ~							light greenish grey, highly sil, andesite	p. sp. 412. tolling
111						ŀ			
260 -									
	XX			1:					
		1			. :			263.90 ~268.70	
	_ "ๆ "							micro-diorite	264.80. qtzcaichi. veinlet (W-icm, O-i0°)
	7 7								
	a a								
			1:					268.70~269.30	000 70 077 00 511 dies
	+: .+: .+ 	1						white, m. + f.g. leucocratic rock 269.30~273.60	268.70 - 273.60 py. film and diss. much
270-	# # #			1				dark brownish grey, f. and m.g.	
	サン・半	-1							
	#\#\ *	Т.							
	+ +							273.60 274.10 m.g. leucocratic rock (0=55°) 274.10 275.50	
	┦₩₩₩			ļ.,			ļ.	m~f.g. gabbro 275.50~275.90	
	# * # #							f.~m.g. leucocratic rock 275.90~276.70	275.50~ 275.90 py epi veinlets network
	#							c.g. gabbro~ qtz. dio. 276.70~287.40	
	# # #							f. and m.g. gabbro~ diorite	
	 # #	F							
280-	#								
	# # #	•							
]# #	•							
	# # #								
	# # # #	1					100		285,50 ~ 285.60 pyhemqtz - chtepi vein {6=30°
	# #	7		ļ.,					
	#							287.40~287.80	
	- 3 - 7 - 3 - 3			\vdash		\vdash	-	greenish grey chl andesite 28780~28810	288.50 ~ 289.40 cppyhem. bearing chlepi, vein
		<u>~</u>	0.0	3.6	0.86	3	-	m.g. lencocratic rock dyke 288,10~296,20	
290 -] A							dark greenish grey andesite	
]^ ^ <u> </u>								
] ^ ^	1							
	_ A _ A	١,			1				
	1 ^ /								
	- ^ /	١l		•.				296.50 - 296.90	296.20~296.50 pychlepi, vein
	#							m. f.g. leucocratic rock dyke 296.90~29800 f.g. gabbro~atz.dio.	
	#† 							298.00~298.60	
	###	1						0.g. qtz. dio 298.60~300.00 heterogeneous f.g. gabbro-diorite	

Denth	Core	Ā	SSC	1 y				Geol	ากง					Mine	raliz	atio	n 8	ΔΙ	ara	tion	l
Depth (m)	# # # # #	Αu	Ag	Cu	Мо	S	300,00 hetero	302.90 Jeneous.	f.g. gabt	oro∼qtz	. dio						y Y Y				
	### ### 7 7 7 65567 7 5677						c.g. 304,80 f.g. 305,20	gobbro 305.20 leucoc 308.30 greeni	~ qtz. ratic r D	ock	ls. por.	3 3 3	05.70- 06.70- 07.30-	305.90 307.00 308.30	O py. (W high	bearing 2cm, hly sil, hly sil,	i qtz. O≃i5 zone zone	-epi - o) with cl	chi. v hi py. pi giz	ein veini veini	ets
310- 310.90	か # # ロ ロ ロ ロ						c. g. 308.80	~308.80 gabbro ~310.90 dlo. po	~qtz. (dis.		3	08.80	917ep	i, vein	ı (W=3	iem. () = 20°)		
					- A 																
ii =																					
-																					
											27										

Table A-1-1 List of Microscopic Observation (Plutonic Rocks)

									-			γ		·												1.35.	(1)
				Ÿ	C	onsti	tuent	Miner	als								S	econd	lary M	inera	ls					n Na ang	
Sample No.	Rock Name		Q	K-f	Pl	Bt	Hb	Au	Hy	OI	Op	Q	Si	Cc	Ser	Mon	Sap	Chi	Kao	Bt	Act	Epi	Op	Zeo	Λb	Sp	Remarks
a-3118	granodiorite	equigranular	0	•	0	0	0				•				•			۰									
a-3120	porphyritic quartz diorite	porphyritic	(0)		0						: 1							0				٠	•		1.0	•	all of matic ininerals are altered to Chl and Epi.
a-3123	porphyritic quartz diorite	porphyritic	0	•	0										•			0		7.		•	٠		•	•	ditto
a-3124	porphyritic quartz diorite	porphyritic	0	•	0	7		1							•	٠		O		-		•	•		-	•	ditto
a-3126	porphyritic quartz diorite	porphyritic	0		0		•	1		1				1				0				•	•			•	
a-3128	porphyritic quartz diorite	poikilitic porphyritic	O		0		0	\top		:	•							0			-	•	•			٠	
a-3131	porphyritic granodiorite	porphyritic	0	•	0	0											15	•								•.,	
a-3132	porphyritic quartz diorite	porphyritic	0	-	0	-	1.							1	1.	<u> </u>		0		٠.		•	•			•	all of mafic minerals are altered to Chl and Epi,
a-3133	porphyritic granodiorite	porphyritic	0	+	0	0							1			1:		0				0	•				
a-3134	porphyritic quartz diorite	porphyritic	0		0		0			1							•	0				•	•				
a-3135	porphyritic quartz diorite	porphyritic	0		0					1								0									
a-3136	porphyritic quartz diorite	porphyritic	0	- [0		1	1	-				+					Ŏ					١.			•	
a-3137	quartz diorite	equigranular	0	┽┈	0	1	0										<u> </u>								· .	•	
a-3138	diorite	equigranular	1	1.	0		0	•												4							
a-3139	diorite	equigranular			Ö		0	1.	•	1 : 1								•	-								
a-3140	quartz diorite	equigranular	0		0		0							1.				0	. :				0	1.11			
a-3141	porphyritic quartz dionite	porphyritic	0		0	1	0	-			1							•		* .						-	
a-3142	porphyritic quartz diorite	porphyritic	0		0		0				•			1		١.		•								4 :	
a-3149	silicified quartz diorite	equigranular	0		0					1 2 2		0			•			0.									all of mafic minerals are altered to Chi and Epi.
b-3135	porphyritic quartz diorite	porphyritic	(O)	+	0			1		+	1		1		•			0			-	•	•				ditto
b-3139	granite	equigranular	0	0	0			1.				-					1			:: : : : :		•	1.1.				ditto
b-3143	quartz diorite	equigranular	0		0		0							1				0		0							
d-3106	diorite	equigranular	•		0		0	1.00										•				•.	•		100		
d-3114	granite	equigranular	0	©	0			1						1			2. %	•				•		113			fine grained
d-3138	porphyritic quartz diorite	porphyritic	0		0		0									:		0	_			•				•	
d-3143	quartz diorite	poikilitic equigranular	0		0		0		9							1.1.2				: .							
d-3144	quartz diorite	poikilitic equigranular	0	+	0		0		+-	1	1.		+-					0	7.5			•	•		1.77		
m-3122	granodiorite	equigranular	0			+	0		†		•		1		1.			•					•	1	-	1	
m-3140	granodiorite	equigranular	O	_			1	10 1	1	1		 •	1	1	1			0		•	1	•	١.			•	all of mafic minerals are altered to Chi and Epi.
m-3149	granodiorite	equigranular	Ö				0			1	+	1						0				ć			-		
RPJ-1 196.5m	granodiorite	equigranular	ŏ		0	0			1			1		•			1.:	•		1.		•					
RPJ-1 202.5m	granodiorite	equigranular	0		0	0	1	+	+		•	\top	1	+	13		-					٠	•		1 1	15	
208.5m	granodiorite	equigramular	0		0	0		1,	-		1.	+	+	1	•			•				•	1				
214.5m	granodiorite	equigranular	0		0	+	 		1	1	•		1		. 2			•				•	•		1		
220.Sm	porphyritic granodiorite	porphyritic	©	-	0			1	+	1	1.		+	+	+-	-						•	•	1 1			

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Sample No.	Rock Name				Co	nstitu	ent M	lineral	s								S	econd	lary M	ineral	ls						Remarks
Salupie 140.	NUCK Malle		Q	K-f	Pl	Bt	Нb	Λú	Ну	01	Op	Q	Si	Ce S	er N	Ion	Sap	Chl	Kao	Bt	Act	Epi	Op	Zeo	Ab	Sp	Avoirains
RPJ-1 226,5m	porphyritic granodiorite	porphyritic	0		0	0				. :	•							•			•						
232,5m	porphyritic granodiorite	porphyritic	0		0	•	11.											• 1			1.0						
238.5m	porphyritic granodiorite	porphyritic	0	•	0	•.			2.7						•		- 3	•		-	•	•				•.	
244.5m	porphyritic granodiorite	porphyritic	0		0	O									•			•	:		٠	•					
248.5m	porphyritic granodiorite	porphyritic	0		0	•					310							0			•	•	٠				
258,5m	altered granodiorite	equigranular	0		0							0	•	• @)			0			•	٠	•				ail of mafic minerals are altered to Chl and Epi.
266.4m	micro diorite	equigranular	•	100	0		0				•			.							•	•				1	fine grained
279,6m	micro-diorite	equigranular	•		0	•	0				•			\Box								•	1				fine grained
RPJ-2 · 23.8m	quartz diorite	equigranular	•		0		0	0			•							•			• :	•					
166.6m	granodiorite	equigranular	0		0									•				. •			•	•			٠		fine grained, all of matic minerals are altered.
206.9m	quartz diorite	equigranular	0		0						1.00	0			•		: 1	Q	0			•					strongly altered
212.2m	quartz diorite	equigranular	0		0				i									•		100	•		1.1		•		all of maile minerals are altered to Chi and Epi.
298.2m	quartz diorite	equigranular	0		0		0											•	. .• :			•				•	
b-3307	porphyritic quartz diorite	porphyritic	0		0		0				•							•				•				1	
b-3322	quartz diorite	equigranular	O		(O)						•						•	©				1.					fine grained, all of mafic minerals are altered.
d-3316	diorite	equigranular			0		0				•	•			•	•		٠			•						
d-3343	diorite	equigranular			0								()				•			0	•					all of mafic minerals are altered to Chl and Epi.
d-3349	quartz diorite	equigranular	0		0		0				•							•				•			:		fine grained

Table A-1-2 List of Microscopic Observation (Lava and Dykes)

Sample No.	Rock Name	Texture		-7		Pheno	cryst	· · · · · · · · · · · · · · · · · · ·				· -			Grou	ndina	SS	: :.							-43	Sec	cond	ıry Mi	nerals	نسب					.4
Sample No.	ROCK INMITE	Texture	Q	K-f	Pl	Bt H	lb .	Au H	y Ol	Op	Q	Si	K-f	Pl	Bt I	lb C	px Op	x O1	Op	Gl	Q	Si	c :	Ser 1	ion S	ap Ch	l K	io Bt	Act	Epi	Ор	Zeo	Ab	Sp	Pι
-3107	diorite perphyry	porphyritic			0	()					- :-		(O)	()															•		•	•	
i=3110	porphyritic andesite	intergranular			0	())				22 - 23			0	()			0																
ı–3112	dacite	microcryptocrystalline	•		0		•				0			0.						1 a						.0				•	•			•	· .
i=3113	andesite	intergranular			(•	A 12						(C)	•				•												11.5				
i≟3115	silicified andesite	poikilitic			•	()							(O)	()			31.1		0		4 2						1, 4		0				
ı–3116	silicified andesite	pilotaxitic												0	. ()			0		•					•									• .
-3101	andesite	pilotaxitic												(C)	((C			Q.		•	Y81 -								•					Ċ
o=310 2	quartz diorite porphyry	porphyritic	•		(c)	•	•				0			(i)	• [) -			•											•				•	400
>-3103	andesite	cryptocrystalline			(i))	•		•		()			•	•			•		1 1					•									
-3105	andesite	pilotaxitic			O:)				•			0		•			•				•			•							•		
o-3107	quartz diorite porphyry	porphyritic			(0)		5				0			(C)	0	.)			•											•					
3-3116	quartz diorite porphyry	porphyritic	•		(c)						•			(O)		1							•	•		0	,			0					
o-3119	quartz diorite porphyty	porphyritic			(y)		•				0			(C)		•			•				•	•,:			1.				•				_
>-3122	andesite	pilotaxitic soherulitic			(y)		5			•		(.)		(C)				- "-					•			•		:		•					7
o-3123	quartz diorite porphyry	porphyrytic	0		0			- -			0	-		()					•											•	•				7
o_3127	silicified rock																		1,25		0					I.C				0	•			•	
o-3129	andesite	porphyritic			(i)	. ()				•			(O)		7				3						•	- ,,			• .					_
b-3136	andesite	pilotaxitic			(c)		•							(C)	(()					•					•									-
b~3142	quartz diorite porphyry	micrographic porphyritic	,	•	(O) .	7.3	•	•			•			Ο,	1 1	71										. 0		-		٠	•				
b-3144	dacite	cryptocrystalline	•	-	0.		1	\dashv		•	•	(0)		•									1	1	1	-	1	1		•				•	-
1-3102	diorite porphyry	porphyritic			(C)	1	0		1	•		1	7	(1)						:							1			•					_
13104	quartz diorite porphyry	micrographic porphyritic	0	•	(;)).		0		1	1.	O			()						14.1		١,	•							0	•				T
d-3115	andesite	pilotaxitic			(3)		-	1		<u> </u>		\top		()		•		-	•										1	1	•			•	_
d-3128	quartz diorite porphyry	micrographic	0		0						•	1	i.	(j)												C)			•	•		7.7		
d3134	quartz diorite porphyry	porphyritic porphyritic			0	+	0		+	1	0			(0)		•				7			\top		\top				1	1	•				7
m-3129	andesitè	intergranular	:		(O)		•			\top	1.	-	1	(0)	(.))			•							1.		1		•	•	110		•	
m-3146	quartz dîorite porphyry	porphyritic	•		0		•		+		i Q	1	1	0	-	•							•			Τ,	1			•	•			•	
RPJ-1 166.8m	quartz diorite porphyry	porphyritic			(i)		0				O	+-		(0)				1	•							1.	-	1			•				·
RPJ-1 195.8m	quartz diorite porphyry	porphyritic	-:•		(i)		ŏ				O		1	0					•							•				•					_
302.6m	quartz diorite porphyry	porphyritic'	0		0						†	\top				1			•				\top			•	+			•			e i		
RPJ-2 65.0m	altered andesite				•		•	_	-		 			0		\dashv			-		0		1		1		+		•	1.		0			<u> </u>
74.0m	quartz diorite porphyry	porphyritic			0		• :	•	+		1.		1	1		$\neg \dagger$	\dashv							.		C)		- 1	1	•	•			-
97.1m	quartz diorite porphyry	micrographic	0	•	(0)		•	0	\top	١.	1			<u> </u>		- -			•							١.					•	• :			- -
100.05m	quartz diorite porphyry	porphyritic porphyritic	1		(O)		•	•			-	+-		(0)					•			\top				- -	1			1	•	•			
107.3m	andesite	intergranular					•	-	-	+	-		+	0		.	\dashv				•					╡.	+			O	1 7	•			Ī
128.5m	quartz diorite porphyry	porphyritic		-	()			0	-	1	+	\top	-	0		-	•						•				1			1		•			
234.0m	silicified rock		+-		+						+-	+	1	•	\vdash			+	1	+	0		+		\dashv				7.1	+	 	•		•	_

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	Sample No.	Rock Name	Texture		· · · · ·		Pheno		-1					As A		Groundmas			r			<u> </u>	· .	-1	· · · ·	_	1	Minera	ls		1	TITLE	
				Q	K-f	Pi	Bt H	Ib /	Au H	ly OI	l Op	Q	Si	K-f F	PI I	Bt Hb C	рх Ор	x Ol	Op	GI	Q	Si C	Ce S	er Mo	on Sag	Chl	Kao	Bt /	Act E	pi O	p Zeo	Ab	Sp
-	RPJ-2 265.7m	quartz diorite porphyry	porphyritic			0									0		1				0					•			1		,	1.	
	175.5m	quartz diorite porphyry	porphyritic	•	-	0		•											•				•					0 (0				
-	RPJ-3 46.5m	intergranular	intergranular				١.	,						(O), 1	0		1						14.					•				
-	153.3m	altered andesite				_											+	+			(O)		. ()		•				\odot	•		
	257.0m	quartz diorite porphyry	porphyritic	0		0		,			†	•		6	0	0			1												•		
-	a-3303	andesite	micrographic intergranular	-			- -			+	+-	•		غا تنت	(i)		+	-	1.							0			+		•	1	
.	a-3304	dolerite	doleritie	-			+								0		1									0		1		•			
1	a-3306	dacite	microcryptocrystalline	•		0					1.				0								5							1		11	
}	a-3307	dacite	microcryptocrystalline	•		ò			11		•		0				1					- I		5		•					1		
	a-3308	dacite	microcryptocrystalline	•		0						<u> </u>	()		0	++	-	- -			•	-+	_			0					•	11	
	a-3313	dacite	pilotaxitic	-		Ŏ						0		 	(O)						•					0					•		
	a3316	basalt	intersertal	1					\top				:		(i)					1 .	0				1	0					•		
	a-3319	quartz diorite porphyty	porphyritie	•		0					-	0			0						<u> </u>			•		0.	1.			•			
	a-3321	andesite	intergranular			•			\dashv	+		<u> </u>		1	0									1									
	a-3323	andesite	pilotaxitic											1	0	0			0				•			•	+						
, :	a-3325	andesite	pilotaxitic				-		+	+			0		0				 			\dashv	.							©			\neg
	a-3328	andesite	cryptocrystalline			0		\dashv	•		١.		0		9			<u> </u>	•				•	•									
	a-3334	andesite	intersertal	-	1			-		+				i 	0				•					a) ·	,				0	•		
	a-3336	dolerite	amygdaloidal doleritic			0						-			~~									$\frac{1}{C}$	9	0	ļ				•	+	•
	a-3341	andesite	microcryptocrystalline	+		0		0	•			•	-		(i)	-			+-		+	\dashv		1.			-		• '		+		
	a-3342	quartz diorite porphyry	porphyritic	1		0						1.	-		(O)				•					+	•	О			\dashv	•	•		•
	a-3347	andesite	intercerted	+						-	+	•	1	+ -	0				•					+	\dashv	0				•	•		_
i" Ž	a-3348	quartz diorite porphyry	porphyritic		-	0		0				0			0				1.							•	†	1.			•		
	a-3364	andesite	pilotaxitic			0		\Box	:	+	-			1 1	0				-				•			0					0		
	a-3365	altered dacite	microcryptocrystalline					+			+	-	+						+		0		حإننت	9	_	+					•	===	
	a-3367	andesite	pilotaxitic	+		0		0	•	+			-	\vdash	0	O			1.			\perp					\top	1			0		1.0
	a-3368	dacite	cryptocrystalline	•		Ō		0				٠.	0		•		_		1.							•				•			
	a-3370	dacite	cryptocrystalline	-		0		0	_		-		0	+-+		•			1.					-					F 1 2 2		1		
	a-3370 a-3372	andesite	intersertal	1 1 1 1		(O)		0					+	-					+-				•	-		0			•		•		
	a-3374	andesite	intersertal		-	. • ;	* 1	~		+		+	+-		0	0			0		\dashv				-	0						++	
	b=3309	granodiorite porphyry	porphyritic	+	+		-					0	-				-							0	1	0					•		
	b-3314	andesite	intersertal	+	+						+			1	0	0			1.			0			+	1.	1				-		
	b-3314 b-3318	andesite	amygdaloidal intersertal		-			•		3, İ.	i			1 1	0	(i)	-		•		•					0	+-				• •		
	b-3328b	andesite	cryptocrystalline		+	0					\dashv		0										+	•		1.							•
	b-3331	andesite	pilotaxitic						\dashv				0		0			-			0			•		0					0 •		
					-		.								0	0	- 2		+-		•	_	\dashv	-	+						<u> </u>		
ieei	b-3332	andesite	intergranular		11.	6				1.		0	-		0								-	•		0							
	b-3335	quartz diorite porphyry	porphyritic	: .		0				4			<u> </u>		IЧ					1 - 1						$\perp \perp$					O	'	

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			was a sure of the		: : :	. · ·				:		-				3 - 192 2 - 192							cocura				-						:	(
						P	henocr	yst	k 1. 1							Froundi	nass					:· .					Secon	dary N	Ainerals	s				
	Sample No.	Rock Name	Texture	Q	K-f P	B	lib	Au	Hy	01	Op	Q	Si	K-f	PI B	t IIb	Срх	Орх	Ol	Op	G1 (S	Co	Ser	Mon	Sap	Chl	Kao	Bt /	Act E	pi O	p Ze	o Al	Sp
	. 2225	21.31.31.1			©	9	0					©	-		\perp								•		-	\vdash				-	• C) •		- -
	b-3337	andesite	cryptocrystalline	\dashv			10		-		-1						-		1.95	17.		(i)		0		-	-		\vdash	+				+
-	b-3338	silicified andesite	And the second s		C	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0	1 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4							0	0		-		•		•		- 9		+	•							-
	b3340	andesite	intergranular		©		1.	<u>.</u> 				6			0	+		1 1 1		1 3 de 1						+	0	1	\vdash					
	b-3344	quartz diorite porphyry	porphyritic porphyritic				•					0			0	•	-						•	-	-	-	<u> </u>		\vdash				+	+
	b-3345	quartz diorite porphyry	porphyritie poikilitie		<u> </u>				1 ::			©				┤.	-	 		•		-	·		-	-	-						-	-
	b-3346	quartz diorite porphyry	porphyritic		C	_	O:					0			0	- -				•			+	+	+-	+-	 		┟╼╂		•		+	+
	b-3350	dacite	cryptocrystalline		_ (C		0	•				-	0			-	0	1	-			_	-	+		+	•	\vdash	+	+	'			+
	b-3351	basalt	intersertal				1 2 3	0			•				9		19	-			5.1 5.1	+	+_		0	+-	<u> •</u>		-	\dashv		+	+	-
	b-3352	andesite	cryptocrystalline		C	_	.1	-	·	,	•				9	_ -			-	•		-	0		•	+	•					+	+	+
	b-3353	quartz diorite porphyry	porphyritic	•			•	-				0			0		-								-		•	-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+	1 1	-	1
	6-3354	andesite	cryptocrystalline				O	1	-		•		(O)		•	-	-	-			5 4 7		•			1.0				\dashv	• •		+	+
	b-3355	dacite	cryptocrystalline	•									0		•		-			-			•			_	•					-	\bot	1
	b-3356	andesite	cryptocrystalline		(0		0		-		•		0		•	+				•						-					+	+		+
	d-3307	andesite	cryptocrystalline		(©))		-	-		•				\perp		-			•		Sec.	0			+	0			_	•		\perp	\perp
	d-3309	andesite	sphrulitic			.	-	-					0		•	- 0								-	-	1	<u> •</u>			, G .	• (_	4	+
:	d-3312	quartz diorite porphyry	porphyritic	•)		1			ļ	•			<u> </u>				ļ			•		1		-	0	<u> </u>	1		• (4	1
	d-3314	diorite porphyry	porphyntic		(C			-				<u> </u>	-		(i)		-		ļ		1000			•		1	•				_ •	•	4	\bot
	d-3328	altered andesite	cryptocrystalline				-		+-			•	()				-	ļ. ·	-			•	-	0					\vdash	1 1			_	+
- 7	d-3329	silicified andesite	cryptocrystalline)	-	-	-	-			0		_		-	-	ļ			<u> </u>		•	•	•		-	\vdash				+	
. : :	d-3331	dacite	cryptocrystalline	•								• .	(Ö)				1	1					!	•	•			<u> </u>			_	\perp	4	\perp
	d-3332	quartz diorite porphyry	porphyritic	•))						•	and William	10 7	0		1	-	-							1	0	1			•	+	+	\perp
٠.	d-3334	dacite	microcryptocrystalline	.O.)		4		11:		(<u>O</u>)			0			<u> </u>						•	-	+	0					•	+	+
	d-3344	dacite	microcryptocrystalline	0	• ()					ļ	0			0		1			•		•		•		1	•	-	\sqcup	_		-		_
	d-3346	dacite	cryptocrystalline	0)			1		-		0		•		1		-			•					0	1	1			•	\perp	
	d-3351	silicified rock							1_					175								0			1							•		4
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	d-3354	basalt	intersertal												0								•			\bot	0		1_1		• •	• (4
	d-3356	dacite	cryptocrystalline	•		()	0)			•	1	(O)	1				1	1	•		- 1				ŀ		<u> </u>	1			•	\perp	
	d-3359	dacite	microcryptocrystalline	•	(0	•					0			0	•	<u> </u>			•		-									•			1
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	m-3307	dacite	cryptocrystalline	0	1	(i)					<u> </u>	•	()	<u> </u>	•									•	1.								•	
	m-3317	andesite	cryptocrystalline		((i)	0) 🗌					(0)														•				•	•	1	
	m-3318	quartz dionite porphyry	porphyritic	•		(0)						0			0									•	1	1	(()	1						1
	m-3321	basalt	intersertal amygdaloidal												(3)		•										•			(0		0	
3	m-3322	dolerite	doleritic porphyritic			(0)		C)						0		С)							0				\prod	T		• (0	_ -
	m-3329	andesite	cryptocrystalline			0			1				(O)	- i						•		•		•			0					•		T
	m-3350	andesite	microcryptocrystalline			(O)		:-							(0)	. ∣⊺.																•		

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m-3356	quartz diorite porphyry	porphyritic	• .	((C					•			•						• 1					•			0				13.77	0	1. 1			
m-3357	basaltic andesite	amygdaloidal intersertal											0	0													•			•	•	•	0			
m-3359	basalt	intersertal			•								0						• () ()						0		A 2.1		•					

Table A-1-3 List of Microscopic Observation (Pyroclastic Rocks)

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Sample No.	Rock Name	mm >32	32	4	2	1	1/2	1/4	1/8	1/1	6 1/64	Phyolite Dacite	Andesite	Basalt	Others	Q	K-f	PI	Bt	Hb	Au	Ну О	Or	Q	Si	Сс	Ser	Mon	Sap	Chl	Kao B	Bt A	ct Epi	Op	Zeo	Ab Sp	P
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m-3152	andesitic lapilli tuff	1, 50 50		0	0	•							0					•		•								1.1									
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b-3327	dacitic lapilli tuff		1	0	O	•							© 1			•	1. 4.	•		•										0			•		•		
b-3336	andesitic lapilli tuff			O	0	٠			:				0			•	1	0		1 1							•	•		•	1.1				•		
d-3325	silicified fine tuff	-					- 1, -	О	0					L										0				0	•						•		
d-3348	altered fine tuff					•	•	0) ()							•								0	1 1				174					•			0
d-3357	silicified fine tuff	1	1				•	0	O							•			1	- 1				0										•			0
d-3367	dacitic coarse tuff					0	: O	•					•			0		•								•		•		•			•		•		* .
m-3308	dacitic lapilli tuff			0	0			<u> </u>					•			0		•								•	О										
m-3314	andesitic coarse tuff				0	О	•						(0)					0												•			• •				Γ
m-3360	andesitic lapilli tuff			0	0							•	0			•		0	: :							0	•	. • 5		0					•		
m-3362	dacitic fine tuff	71.			1			O	0	1					1									. •			•		•					•		10.	\Box

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Name of Area Name	ervati			de chalcopy	e-bearing ig (Limonitize	(limonitize	(limonitize	rock with p	of chalcopy	and seconds	copper ore	cominated.	monitized c	monitized o	e-Pyrite-diss	e-dissemina	rite grains	ated	te te	ated	ated	rite-dissem:	ated	ated	rite-magnet	rite-bearing	rite-bearing	ated rite-dissemi	shaped mass		massive pyr	ated, fine to	irsely dissen	ated pyrite	yrite	py rite-chalo	seminated r	seminated r seminated r	vrite with c	gnetic disse	gnetite disse	artz vein	ore	seminated, a	
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Table A-2-1 List of X-ray Diffractive Analysis in Manikbel Area

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List of X-ray Diffractive Analysis in Drilling Core Table A-2-2

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ò	Cypsum	ď	Disapor		Yugawaralite	×	MontmonBonite	Mai	Melachite		

(3) Abundant O Common Raze Abbreviation : Q : Quart Ep : Epiatoe A A Abunte Na : Natrolite I : Jaroalto Cp : Chalcopyride P : Petabolite Na : Marabile L : Lamonte An : Menalte Sph : Sphakarsa KT : Poush-Cotagoa S : Soriette W : Wajeshire Zeo : Zeolite Go : Goethie Cp : Catalo K : Kaolinite E-at : Epiatibile Ha : Halloyalte Mg : Magnetize Do : Dolomnia P : Pyrophyllite St : Stillere Spp : Saponite Py : Pyrite Cy : Cyperm Dia : Diapor Y : Vagawanite M : Montmortilonite Mal : Malachte	Remarks		•										
Ep : Epistote Al : Abrilte Ns : Natrolise I : Jacosto Ch : Chlorice M : Marbille L : Lamontotte Hn : Homalte Dear S : Seriolise W : Waterbille Zeo : Zeolise Co : Gerchte K : Kaolinite E-st : Epistibise Hs : Halbysite Mg : Mapretise P : Pyropydite St : Stilbise Sp : Saponite Mg : Mapretise Dis : Diapor Y : Yapawandise M : Montanorifonite Md : Mababite		(C) Abundant	0	Соммон	Rafe						:		
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ppar S : Schielle W Wainskite Zao: Zaoline Go K : Kaolinite Est: Epistibile IIs : Halloyalte Mg P : Pyrophydike St : Stilbine Ssp : Suponite Py Dia : Diapor Y : Yupawanite M : Montrantibonite Mal	۳.	Feldspar	δ	Chlorite		Mirabilite	٠٠ نـ	Lumontite	Ę	Hematite		Sph	Spheiorite
K : Kaolinite E-st : Epitribaite Ha : Hauboyaite Mg P : Pyrophylike St : Stilbino Say : Saponite Py Dia : Diasov Y : Yugawandite M : Montmortillonite Mal	 Ş	Potash-Caldapar	٠,	Soridic	*	Wairskite	200	Zeolite	 3	Goethite	٠.		
P. : Pyrophylike St. : Stilbine Srp. : Saponite Py Diapor Y : Yupawandise M : Montmonlibonite Mal	3	Calcito	×	Kaolinite	¥	Epistilbite	Ma :	Halloyette	W.	Magnetite			
Dia: Diapor Y : Yupawanike M : Montmorillonice Mal	8	Dolomite	e.	Pyrophytike	 55	Stilbite	Sip :	Saponite	₹.	Pyrite		. *	
	Ġ	Cypenn	E C	Diagor	>-	Yugawarathe	×	Montmorillonite	TE M	Malachite			
										:			

Table A-3 Metal Content of Ore Samples

- (1) Manikbel Area
- (2) Layacan Area

Abbreviation

qtz. dio : Quartz diorite

qtz. dio. por. : Quartz diorite porphyry

micro-dio : Micro-diorite

py : Pyrite

cp : Chalcopyrite

bor ; Bornite

mal : Malachite

azu : Azurite

cal : Calcite

qtz : Quartz

sil : Silicification

ch : Chloritization

f.g. : Fine-grained

c.q. : Coarse-grained

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chainned sample of py-qiz, with (w. 80cm) 0.2 38.6 py-rich part of a-3101 with 2.4 (2.70cm), 0.5 37.2 a part of py-qiz, cyte with (w. 30cm) of py-qiz, 0.1 32.2 a part of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.3 37.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.3 37.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.3 37.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.1 32.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.1 32.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.1 32.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.1 32.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.1 32.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.1 32.2 spart of py-qiz, cyte with (w. 32.2 ~ 45cm), 0.0 0.2 spart of py-qiz, cyte with (w. 30cm) in cyte py-qiz, 0.0 0.0 0.2 spart of py-qiz, cyte with (w. 30cm) in cyte py-qiz, 0.0 0.0 0.0 spart in porphyzite qu. do. (cyte, 19.7 da part) do do co co do do do do do do do day rich part in gossan with (w. 150cm) in cyte py-discontinued (py-discontinued of the do-year with gossan with (w. 150cm) in cyte py-discontinued (py-discontinued of the do-year with gossan with (w. 150cm) in cyte py-discontinued (py-discontinued of the do-year with gossan with (w. 150cm) in cyte py-discontinued (py-discontinued of the do-year with gossan with (w. 150cm) in cyte do-year with cyte do-year with cyte do-year with cyte do-year with cyte do-year with cyte do-year with cyte do-year with cyte do-year with cyte do-year with cy		Location	Occurrence			Metai	Metal Contents		
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Common Company Compa		qo		2.4	64.4	16.39	1	i	16.56
20 20 20 20 20 20 20 20		g _o	of pyq -3101 v	0.5	37.2	6.50	1	1	7.98
spart of pry-dit-clay with (w: 155 - 46 m) the contents cane (w: 20ma) filled by ball windras. the properties can of clat. do, and statemination and stringers the properties of clat. do, with py-distermination and stringers do and str		do	rked zor	0.1	3.2	0.26		i	3.79
State of Cont. (vi. 20 cm) (Op.	a part of py,-qtz,-clay vein (w : $25 \sim 45 \mathrm{cm}$)	4	4	0.16			14.26
Previous come of cit. dis. unit and safestive		op	w: 20cm) filled by cal.	3.	1	0.03		1	0.23
Comparison Com	western s	ide of the lower	of qtz. dio. and andes	: ' . 'I		0.24			0.43
and stringers and stringers networked on 2.3 2.30 — 2.30 part, by descentated and stringers networked on 2.3 2.30 — 2.30 part, by popylythist qut. dio. (mal. 200.) 4.3 5.0 0.82 — 2.30 part, by popylythist qut. dio. (mal. 200.) 4.3 5.0 0.82 — 2.30 part, by popylythist qut. dio. (mal. 200.) 4.3 5.0 0.82 — 2.30 part, by popylythist qut. dio. (mal. 200.) 4.3 5.0 0.02 — 2.3 5.0 0.02 part, by disseminated and stringers networked 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	stream oi eastern si	the Mamising Cr.	fragments. highly aftered c.g. off. dio with pvdissemination	. • i, 	I .	+ 770		l ()	7 0
Particip party Department of the content of the	stream of	the Mamising Cr.	and stringers		1	74.0	I.	1; ·	0.48
Public property and stringer-pervorked		qo	mat-zdu-py, dissemnated and stingers-networked part in porphyrite qtz. dio.	0.0	2.8	2.30	1	1	0.10
11.00 0.04		qo	mal-py, disseminated and stringers-networked part in posphyritic qtz. dio.	0.2	12.5	0.45	1	1	0.38
The state of the		op	9	0.1	5.0	0.82	.1	i .	0.15
abuned q.tt. dio. 97, Alexaminated q.tt. dio. 10, 11, 13, 10, 11, 12, 11, 12, 11, 12, 12, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	eastern si stream of	de of the middle the Mamising Or.	mal-azu-py, disseminated and stringers-networked zone in altered qtz. dio. (mal. py. rich part)	į	1	0.44	- L	ž	0.16
Sylvanoria qu. do. - 0.47 - 0.45		9	do (mal. 221, rich part)	ı)	11.15		ı	0.28
py-disseminated qtz. dio. in trench: 0.045 highly py-disseminated qtz. dio. in trench: 5.35 22.55 do 5.35 22.55 do 11.27 - 1		do		1	7 . 3-1	0.47	i i		0.07
## highly py, disseminated microdio. 0.0 0.7 0.03 6.82 ## pure of the part in general value (w: 10cm) 0.1 31.9 27.87 - 5.93 22.55 ## do		-				4,6			2
the part in gossan vain (w: 10cm) 0.1 51.9 27.87 - do do do do do do do do do do do do do d	between t	be Nagasasan and	,)	ı	î,	ı ;	+	777
do - 1.137 - 5.93 23.55 do do 5.93 23.55 do do 5.93 23.55 do do 11.37 11.32 11.32 11.32 11.32 11.32	Mabindno	ik crs.		0.0	0.7	0.03	6.82		4.50
do	eastern sid stream of	te of the middle the Mamising Cr.		0.1	51.9	27.87	: 1	1	22.41
do trick park in a_3143 vain do		op		ı	. !	5.93	23.55	Ť	0.12
day tich part in a_3143 vein channel sample (w: 150cm) in argilized qtz, dio, channel sample (w: 150cm) in argilized qtz, dio, channel sample (w: 150cm) in argilized qtz, dio, channel sample (w: 150cm) in chi brocciared ancieste white clay vein (w: 50cm) in chi brocciared channel sample (w: 150cm) in chi brocciared argilized qtz, dio, with mal. channel sample (w: 150cm) in chi brocciared argilized qtz, dio, with mal. channel sample (w: 10cm) in fig. qtz, dio. channel sample (w: 10cm) in fig. qtz, dio. channel sample (w: 10cm) in qtz, dio. channel sample (w: 50cm) of mal azu, rich zone channel sample (w: 50cm) in qtz, dio. channel sample (w: 50cm) of mal azu, rich zone channel sample (w: 50cm) in qtz, dio. chapty chich part in the same vein to a-3101 channel sample (w: 50cm) in qtz, dio. chapty chich part in the same vein to a-3101 chapty pich part in the same vein to a-3101 chapty pich part in the same vein to a-3101 chapty chapty in the part in the same vein to a-3101 chapty chapty in the part in the same vein to a-3101 chapty chapty in the part in the same vein to a-3101 chapty chapty in the part in the same vein to a-3101 chapty chapty in the part in the same vein to a-3101 chapty chapty in the part in the same vein to a-3101 chapty chapty in the part in the same vein to a-3101 chapty chapty in the part in the same vein to a-3101 chapty chapty chapty in the part in the same vein to a-3101 chapty chapty chapty in the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part		9		ı	1	11.37	i.	1	10.68
day rich part in n=3143 vin, channel sample (w: 150cm) in argilized qtz, dio. oyth mil. othannel sample (w: 150cm) in argilized qtz, dio. oyth mil. othannel sample (w: 150cm) in argilized qtz, dio. othannel sample (w: 150cm) in argilized qtz, dio. othannel sample (w: 150cm) in argilized qtz, dio. othannel sample (w: 150cm) in cit) brecoined othannel sample (w: 150cm) in cit) brecoined othannel sample (w: 150cm) in cit) brecoined othannel sample (w: 150cm) in fig qtz, dio. othannel sample of fissure-filling op-gossan vein (w: 15cm) othannel sample (w: 50cm) of mil. azi. cit) zone othannel sample (w: 50cm) of mil. azi. cit) zone othannel sample (w: 50cm) of mil. azi. cit) zone othannel sample (w: 50cm) of mil. azi. cit) zone othannel sample (w: 50cm) of mil. azi. cit) zone othannel sample (w: 50cm) of mil. azi. cit) zone othannel sample (w: 50cm) in qtz. dio. othannel sample (w: 50cm) in qtz. di		op		,	1	00.8	% 25		725
the channel sample (w : 150cm) in argilized qtz, dio. with mail annels (w : 150cm) in argilized qtz, dio. with mail annels (w : 150cm) in argilized qtz, dio. channel sample (w : 30cm) in call brecolated and call of white mail. chi brecolated and existe chi b		}		ć	00	33			300
with mal channel sample (w: 150cm) in argilized qtz. dio. diamnel sample (w: 150cm) in chi. brecciated channel sample (w: 150cm) in chi. brecciated channel sample (w: 150cm) in chi. brecciated dioxide channel sample (w: 50cm) argilized qtz. dio. with mal. chi. brecciated andesite highly sagilized zone in granodiorite highly sagilized zone with gossam vein (w: 15cm) py-diseminated, silicified part in qtz. dio. py-diseminated, silicified part in qtz. dio. py-diseminated, silicified part in qtz. dio. choloritized qtz. dio. mal. azu. rich zone in qtz. dio. die. por. 15cm) die. por. diseminated, silicified part in qtz. dio. py-diseminated, silicified part in qtz. dio. py-diseminated, silicified part in qtz. dio. choloritized qtz. dio. dio. por. diseminated, silicified zone (w: 200cm) in qtz. dio. dio. por. diseminated ytz. dio. choloritized qtz. dio. dio. por. sagilized zone (w: 200cm) in qtz. dio. dio. por. you argilized zone (w: 200cm) in qtz. dio. choloritized qtz. dio. dennel sample (w: 50cm) of mal. azu. rich zone highly py. argilized zone (w: 200cm) in qtz. dio. choloritized qtz. dio. choloritized qtz. dio. dennel sample (w: 50cm) of mal. azu. rich zone choloritized qtz. dio. dennel sample (w: 50cm) in qtz. dio. dennel sample (w: 50cm) in qtz. dio. dennel sample (w: 50cm) in qtz. dio. dennel sample (w: 50cm) in qtz. dio. dennel sample (w: 50cm) of mal. azu. rich zone choloritized qtz. dio. dennel sample (w: 50cm) of mal. azu. rich zone dennel according the sheared zone dennel according the same with to a-3101, 0.99 39.1, 448		3	«2145 vezit (w: {50cm} in:	3	<u>, </u>	17.0	ı	1	3
continued sumple (w : 5cm) coll breckined col		9		0.0	1.2	0.4.		1	90.0
Comparison Com		တူ	m /mpoor · w	0.0	0.5	0.32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.	0.08
white clay vein (w : 5cm) argilized qz. dio, with mal. chil brecasted andesite highly agilized zone in granodionite highly all py. zone with gossan pyday vein (w : 20cm) in f.g. qtz. dio. pyday vein (w : 20cm) in f.g. qtz. dio. pydissminated, silicified part in qtz. dio. pydissminated, silicified part in qtz. dio. pydissminated, silicified part in qtz. dio. pydissminated, f.g. qtz. dio. chainel sample of fissure-filling op-gossan vein dio. pot. mal ant. rich zone in qtz. dio. chainel sample (w : 50cm) of mal azu. rich zone of argilized zone (w : 200cm) in qtz. dio. chainel sample (w : 50cm) of mal azu. rich zone op-py, veinlet (w : 3cm) along the sheared zone (w : 25cm) cp. py rich part in the same vein to a = 3101 cp. py rich part in the same vein to a = 3101 op-py rich part in the same vein to a = 3101 op-py rich part in the same vein to a = 3101 op-py rich part in the same vein to a = 3101 op-py rich part in the same vein to a = 3101		do	w: 80cm) in cni.	0.0	0.5	0.32	1	1	0.07
argilized qr. dio. with mai. chil breciated and esite highly argilized zone in granodiorite highly sil. py. zone with gossan pydisseminated, silicified part in qr. dio. pydisseminated, silicified part in qr. dio. pydisseminated, silicified part in qr. dio. pydisseminated, gr. qr. dio. pydisseminated, gr. qr. dio. pydisseminated, gr. qr. dio. py-disseminated, gr. qr. dio. py-disseminated, gr. qr. dio. chloritized qr. dio. mai azu. rich zone in qr. dio. chloritized qr. dio. mai azu. rich zone in qr. dio. chloritized qr. dio. mai azu. rich zone in qr. dio. chloritized qr. dio. mai azu. rich zone (w : 200cm) in qr. dio. chloritized qr. dio. chloritized qr. dio. chloritized qr. dio. mai azu. rich zone in qr. dio. chloritized qr.		Ор		ì	. 1	0.87	1		20.0
highly argilized zone in granodiorite	. :	op		· 1		0.49	1	1.	0.04
highly argilized zone in granodiorite highly sil py. zone with gossan pyclay vein (w : 20cm) in f.g. qiz. dio. pyclay vein (w : 20cm) in f.g. qiz. dio. pydisseminated, silicified part in qiz. dio. pydisseminated, silicified part in qiz. dio. pydisseminated, silicified part in qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, silicified gone (w : 200cm) in qiz. dio. pydisseminated, f.g. qiz. dio. pydisseminated, silicified zone (w : 200cm) in qiz. dio. pydisseminated, silicified zone (w : 200cm) in qiz. dio. pydisseminated, silicified zone (w : 200cm) in qiz. dio. pydisseminated, silicified zone (w : 200cm) in qiz. dio. pydisseminated, silicified zone (w : 200cm) in qiz. dio. pydisseminated, silicified zone (w : 200cm) in qiz. dio. pypy. veinlet (w : 3cm) along the sheared zone pypy. veinlet (w : 5cm) in qiz. dio. pypy. dio. pypy. veinlet (w : 5cm) in qiz. dio. pypy. dio. pypy. veinlet (w : 5cm) in qiz. dio.		qo		. 1	1	0.08		ï	90.0
highly sil, py. zone with gossan — — — — — — — — — — — — — — — — — — —	by the mix	idle stream of the		ı	!	0.14	1		5.38
de	by the low	er stream of the				200			5.70
die ep. mal. rich part in cpgossan, vein (w. 15cm) — 8.52 — 8.52 — 6. highly silicified part in qtz. dio. — 6.005 — 6.005 — 6. highly silicified part in qtz. dio. — 6.005 — 6. highly py. argillized zone (w. more than 100cm) in qtz. — 6. 0.04 — 6. 0.04 — 6. 0.05 — 6. 0.04 — 7. disseminated, fig. qtz. dio. — 6. 0.04 — 6. 0.04 — 1.91 — 6. 0.04 — 1.91 — 6. 0.04 — 1.91 — 6. 0.04 — 7. 0.05 — 6. 0.05 — 7. 0.	Malbibing by the low	Cr. er stream of the	3	•	1	3	1		2
20. mal. rich part in cp-gossan. vein (w: 15cm)	Kulan Cr.		_	1 1 4 1	; ;	1.32	+	1.	16.97
by-disseminated, silicified part in qtz. dio. highly silicified zone (w : more than 100cm) in qtz. pydisseminated, f.g. qtz. dio. pydisseminated, f.g. qtz. dio. channel sample of fissure-filling op-gossan vein (w : 15 cm) chloritized qtz. dio. mal. azu, rich zone in qtz. dio argilized qtz. dio. argilized qtz. dio. channel sample (w : 50cm) of mal. azu. rich zone in qtz. dio. by-disseminated, i.g. qtz. dio. channel sample (w : 50cm) of mal. azu. rich zone in qtz. dio. channel sample (w : 50cm) in qtz. dio. channel sample (w : 5cm) in qtz. dio. channel sample (w : 5cm) in qtz. dio. channel sample (w : 5cm) in qtz. dio. channel same vein to a-3101	by the sm stream of	all cr. of the middle the Manising Cr.	t in cpgossan. vein (w	1		8.52	1	1	7.71
highly silicitized zone (w : more than 100cm) in qtz. dio. por. 0.03	by the bra Mabileng (nch of the	1, silicified part in qtz.	1		0.05	1	1	3.03
die py,-disseminated, f.g. qtz. dio.	by the mix	Idle stream of the Cr.	highly silicified zone (w : more than 100cm) in qtz.		ı	0.03	1.	0.000	4.16
die (w: 15cm) chloritized qtz. dio. mal. azu. rich zone in qtz. dio. argillized qtz. dio. nal. azu. rich zone in qtz. dio. argillized qtz. dio. channel sample (w: 50cm) of mal. azu. rich zone in qtz. dio pc.pp. veinlet (w: 3cm) along the sheared zone (w: 25cm) cp.py. qtz. veinlet (w: 5cm) in qtz. dio. cp.py.qtz. veinlet (w: 5cm) in qtz. dio.	by the bra	nch of the middle	g,	1	1	0.04	1	0.000	1.27
chloritized qtz. dio. mal. azu. rich zone in qtz. dio argilized qtz. dio. channel sample (w : 50cm) of mal. azu. rich zone in qtz. dio hgihly py. argilized zone (w : 200cm) in qtz. dio. cppy. veinlet (w : 3cm) along the sheared zone (w : 25cm) cppy. qtz. veinlet (w : 5cm) in qtz. dio. cppy.qtz. veinlet (w : 5cm) in qtz. dio. cppy.qtz. veinlet (w : 5cm) in qtz. dio.	by the sm	ul cr. of the middle	channel sample of fissure-filling cp-gossan vein	ı	.1	1.91	1	. (1.40
mal azu, rich zone in qtz, dio augilized qtz, dio charnel sample (w : 50cm) of mal, azu, rich zone in qtz, dio hghly py, augilized zone (w : 200cm) in qtz, dio, cppy, veinlet (w : 3cm) along the sheared zone (w : 25cm) cppy, qtz, veinlet (w : 5cm) in qtz, dio, cppy, qtz, veinlet (w : 5cm) in qtz, dio, cppy rich part in the same vein to a – 3101 cp. py nich part in the same vein to a – 3101	TO IIIEGITIS	une mannismig Cr.	(W. 15Gm)						Ç.
mal. azu. rich zone in qtz. dio argillized qtz. dio. channel sample (w : 50cm) of mal. azu. rich zone in qtz. dio ppp. veinlet (w : 3cm) along the sheared zone (w : 25cm) cppy. veinlet (w : 5cm) in qtz. dio. cppy.qtz. veinlet (w : 5cm) in qtz. dio. cppy.qtz. veinlet (w : 5cm) in qtz. dio. cppy.qtz. veinlet (w : 5cm) in qtz. dio.			מונטוויייכנו ליני מוסי	1	ı	7.07	1	1	86.5
argillized quz. dio. channel sample (w:50cm) of mal. azu. rich zone in quz. dio hgihly py. argillized zone (w:200cm) in quz. dio. qp.py. veinlet (w: 3cm) along the sheared zone (w:25cm) cp.py.quz. veinlet (w:5cm) in quz. dio. cp.py.quz. veinlet (w:5cm) in quz. dio.		op.	mai azu, rich zone in qtz, dio	i	1: ,	4.80	l ,	1	0.07
channel sample (w: 50cm) of mal. azu. rich zone in qtz. dio hgihy py. argilized zone (w: 200cm) in qtz. dio. cp. py. veinlet (w: 3cm) along the sheared zone (w: 25cm) cp. py. qtz. veinlet (w: 5cm) in qtz. dio. cp. py. qtz. veinlet (w: 5cm) in qtz. dio.		do	argilized qtz. dio,	1	ı	1.75	1	i i	0.03
hgihly py. argilized zone (w: 200cm) in qtz. dio. qo.py. veinlet (w: 3cm) along the sheared zone (w: 25cm) qo.py. qtz. veinlet (w: 5cm) in qtz. dio. qo.py rich part in the same vein to a-3101 qo.py rich part in the same vein to a-3101	= 1 	့	w:50cm) of mal. azu.	0.0	38.8	4.81	1	l	0.07
cppy: veinlet (w: 3cm) along the sheared zone 0.0 5.7 (w: 25cm) cppyqz. veinlet (w: 5cm) in qtz. dio. – – cppy nich part in the same vein to a-3101 0.9 39.1	by the mic	die stream of the	ed zone (w	1	1	00	1	ſ	2.56
cp.pyqtz, veinlet (w: 5cm) in qtz. dio. cp. py rich part in the same vein to a-3101	by the low	er stream of the	cp.py. veinlet (w.: 3cm) along the sheared zone	0.0	5.7	2.98			37.20
cp. py tich part in the same vein to a-3101	by the upp	er stream of the	¥ (¥ :		1	1.41		Į	3.35
	in the tun	el by the lower		6:0	39.1	4.48	ı	1	5.12
mal azu, nich part in the same outcrop to b=3130	suream of eastern sid	ne mankbel K.		0.0	4	2.30	1	1	0.14

	etal Contents	Au g/t As g/t Ou % Po % Zn % Mo % Mn %	. 5 ~ 6 m) with very veinlets in ductire dyke.	w:10m)	tou=3310a	phyritic and exite 0.0 0.0 0.00	0.04 0.003	e.dyke	0.0 0.1	0.1	ein 0.6	0.3 - 0.01 - 0.3 - 0.01	anitic basalt. 0.0 0.0	clay vein 0.1 0.2 0.08 –	0.00 0.1	-3343	clay vein (w. : 75cm) 0.0 0.3 0.01	in highly altered andesite 0.1 0.6	indestite near	zone (W: 150cm) in3 18.3 0.01	10.0 0.0	iii with.	the same vein to 0.5 41.4 25.25 0.01 0.04	0.01 0.07	hfg. py.	ndesite	adexire	0.3 0.3 0.3 0.29	py, rich silkeified 0.00 4.2 0.24	silicitied yein. 0.0	tered basalt,	nighty attered basistr	od wytie clay	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	100	0.2
	Contion		by the branch of the Bagset Cr py-dissemination and gir, veinlets in py-dissemination and gir, veinlets in	do py. rich part in highly py. sil. zone (w : 10m)	do qrz, clay rich part in the same zone con = 3310a	do highly pydisseminated zone in porphyritic andesite	by the lowermost stream of the pay clay vein (w.: 1,10cm) in basait knownen Cr.				pyconcentrated zone (w.	am of the		by the lower streum of the channel sample of py, rich silicified clay vein Bulaxinn R. (w. 200cm) in precipited andesite.		do py. + clay part in the sume vein to a-3343.	do channel sample of pydisseminated clay vein (w : 75cm)	near the languag bridge of the lower white clay voin (w : 30cm) in highly a cross of the Releasing R			do channel sumple of py, rich clay vein	by the lowermost stream of the silicified zone (w : 130cm) in clay wein with Kawayen Cr.		(P) (P) (P) (P) (P) (P) (P) (P) (P) (P)	do highly silicified zone (w i 50cm) with fig. py	do pyclay yein (w.: 10cm) in altered andesite	do py-clay vein (w : 10cm) in altered andesire	do pyclay vein (w.: 20 ~ 40cm)	do vein (w.; more than 120cm) in 9v. nich silleisfied vein (w.; more than 120cm) in 9tz. dio, por.	do compact py, zone (w : 30cm) in py, sulicified vein.	by the middle stream of the pyclay vein (w.: 20cm) in highly altered basalt. Kawayen Cr.		in the tunnel near the upper slieured zone (w : 25cm) with qr., and white clay stream of the Segseg Cc.		do qrz veiniet in highly altered rock	do waste (argilized attered rock)	do (w : max \$0em) with py.	do silicified rock with qtz veinlets.
(2) Lâyacan Area	No. Sample No.		J. a 3309	2 a 3310a	3 3 310b	4 3313	5. 9.3317	6 3321	7 u 3330			10 3337	H 3339	12 a 3343	13 2-3344	14 a 3345	15 a 3346	16 a 3349	17 a 3350	18 a 3351	19 " 3352	20 u-3353	21 a 3354	22 4-3355	23 a-3356	24 a=3357	25. a 3358	26 a-3359	27 a-3360	28 a 3361	29 u 3362	30 a-3363	31 a-3375	32 a 3376	33 a-3377	34 a3378	35 а- 3379	36 3380

erije k	a-3381 b-3303	do by the trail between the Kawayen Cr.	stocked ore (py and Cu-ore)	16.0		14.64	1.			
	b-3304	and Adawey Cr. do	white clay vein (w: 20cm) in silicified qtz. dio. por.	0:0	0.4		1 1		i i	1 1
, E	b-3305	ф	white clay vein (w. 20cm) in silicified qtz. dio. por.	0.0	0.2	1	1	ı		!
	P-3306	00	silicified que, dio. por.	0.0		1	1	1	1	; i
. 51.73	b-3310	by the lowermost stream of the Adawey Cr.	chiwhite chy vein (w: $40 \sim 50$ cm) in qtz. dio. por.	0:0	0.2	1		t.		
4	b-3316	near the entrance of the Adawey Cr.	qtzday-gossan vein (w : 20cm) in andesite hornfels	0.0	0.1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	ι,	5 I 65g
	b-3320.	by the small branch of the lower stream of the Adawsy Cr.	white clay vein (w : 20cm) in andesite	0.0	0.2	1 2	1	-	1.	- :
Š, A	b-3321	3	pywhite clay vein (w : 20cm)	0.4	8.1	* 1	1 1 2 2 2		1	1
	b-3324	by the branch of the Kawayen Cr.	pyqtz. veinlet (w.: 5cm) in basalt hornfels	1	1	90.0	4	, i	1	t .
- 11	b-3326	OP ,	py silicified zone (w : 100 cm) in basait hornfels	0.0	0.1	1			1	
	b-3330	by the entrance of the Cotan Cr.	channel sample (w: 25cm) of malpyqtz. vein in andesite hornfols	i	1	0.21	·		1	1
	b-3332	by the Cotan Cr.	pydisseminated andesite	i	1	0.02	·	((ł	. (
	b-3333	Op	grey colored clay filling cracks in andesite	0.0	0.2	1	i r	, î î		-1
	b-3334	by the Mage Cr. by the small branch of the	altered qur. dio. por.	0.0	0.0	1	1	1	i	1
34	0-3343	Adawey Cr.	py-clay voin (w : 20cm) in aphanitic andesire	1.0	9.0	1	1	ı	1	1
	b-3344	0	pydisseminated qtz. dio. por.	I.	1	0.02	<u>.</u>	j.		1
11.1	d-3515	near the entrance of the Bagset Cr.	pyqtz. vein (w : 45cm) in andesite	0.0	0.2	0.01		1	ı	l
	d-3318	Bagset Cr.	pydisseminated altered zone (w : 50cm) in andesite	0.1	0.2	0.02		1	ı	1
16	0766-p	00	py-qtz. vein (w 30cm) in andesite	0.0	4.0	0.01		1	1	. 1
	d-3322	eastern side of the Bagset Cr.	float of andesite with hematite	0.1	4.7	0.01		0.00	1	
	d-3345	R, the small oranch of the Balasian R,	gossan-pyquz. vein (w : 50cm) in andesite	0.0	0.7	0.00		į	1	1
. -	d-3353	by the middle stream of the Bagset Cr.	py qtz vein (w : 100cm) with mal, stain in andesite	0.8	=	0.34			1	
: - .	m-3322	about 200m to the southwest of Pangwew.	silicified fine tuff with limonite veinlets network	1.	्रा <u>ः ।</u>	1		. 1	0.000	0.22
	m-3324	Φ,	white argillized tuiff	0.0	1.2	!	1	j	1.	
•	m-3325	9	clay vein (w :: 90 cm) in white argillized tuff	0.2	6.8	1		ı		
н	т-3326	by the Balasian R, about 500m to the north of Babasig.		0.0	0.5	: 1 :: 1 :: 1	1	. 1	ı	
	т-3327	op	shamed zone (w. 10cm) filled with clay	0.0	0.0	Tal	. 1	1	1	
. <u>1</u> -	m-3328	9		•	. :	0.06	. 1	1	ı	
1 4	m-3330	9	channel sample (w: 160cm) in agalitzed andesite	0.0	0.2				· · ·	
13	m-3331	8	clay vein (w: 36cm) in andesite	0.0	0.2	1				
-	m-3333	op.	clay vein (w : 50cm) in andess te	0.0	0.1	. i		: -: I		i 1
	m-3334	Ą	clay vein (w : 50cm) in andesite	0.0	0.1	1				
. .	m-3335	9	waste	0.0	0,2	0.04		1	1	
- F	т-3352	by the middle stream of the Segseg Cr.	waste being deposited in front of tunnel	1		0.04	() () () () () () () () () ()	- 1	- 1	
: F .	m-3361	in the eastern side of the upper stream of the Segseg Cr.		6.0	1.3	2,18		ı		

Table A-4 Metal Content of Geochemical Soil Samples

Manik	bel Area (1)								
Ser No.	Sample No.	Cu (PPM)	Ser No.	Sample No.	Cu (PPM)	Ser No.	Sample No.	Cu (PPM)	
1	Λ-3101	141	51	D-3114	366	101	B-3107	353	
2	A-3102	122	52	D-3115	254	102	B-3108	228	
3	A-3103	129	53	D-3116	261	103	B-3109	254	
4 5	A-3104 A-3105	231 297	54 55	D-3117 D-3118	63 69	104 105	B-3110 B-3111	208 485	CA.
6	A-3106	132	56	D-3118 D-3119	165	106	B-3111	386	
7.	A-3107	627	57	D-3120	66	107	B-3113	317	
8	A-3108	987	58	D-3121	1541	108	B-3114	525	
9	A-3109	1495	59	D-3122	76	109	B-3115	327	
10 11	A-3110 A-3111	482 297	60 61	D-3123 D-3124	89 1505	110 111	B-3116 B-3117	858 89	
12	A-3112	422	62	G-3101	162	112	B-3118	294	
13	A-3113	165	63	G-3102	76	113	B-3119	185	
14	A-3114	122	64	G-3103	360	114	B-3120	53	
15	A-3115	195	65	G-3104	155	115	B-3121	122	9, 2 je
16 17	A-3116 A-3117	231 188	66 67	G-3105 G-3106	188 89	116 117	B-3122 B-3123	89 33	
18	A-3118	419	68	G-3107	287	118	B-3124	56	
19	A-3119	1419	69	G-3108	462	119	B-3125	264	· .
20	A-3120	1551	70	G-3109	63	120	B-3126	231	
21	A-3121	1505	71	G-3110	320	121	B-3127	66	
22 23	A-3122 A-3123	650 488	72	G-3111 G-3112	188 182	122	B-3128 B-3129	96 129	
23 24	A-3123	637	73 74	G-3112 G-3113	63	123 124	B-3129 B-3130	129	
25	A-3125	627	75	G-3114	231	125	B-3131	152	
26	A-3126	4077	76	G-3115	122	126	B-3132	132	5 T
27	A-3127	307	77	G-3116	89	127	B-3133	878	1.30
28	A-3128	637	78	G-3117	66	128	B-3134	83	
29 30	A-3129 A-3130	119 1882	79 80	G-3118 G-3119	92 627	129 130	B-3135 B-3136	195 162	
31	Λ-3131	4122	81	G-3110	165	131	B-3137	119	
32	A-3132	957	82	G-3121	581	132	B-3138	1736	: : : : : :
33	A-3133	363	83	G-3122	218	133	B-3139	1658	
34	A-3134	1949	84	G-3123	152	134	B-3140	1135	
35 36	A-3135 A-3136	2094 3774	85 86	G-3124 G-3125	132 188	135 136	M-3101 M-3103	129 264	
37	A-3137	96	87	G-3126	132	137	M-3105	109	
38	D-3101	360	88	G-3127	155	138	M-3107	383	er griff
39	D-3102	561	89	G-3128	86	139	M-3110	132	
40	D-3103	340	90	G-3129	149	140	M-3111	142	
41 42	D-3104 D-3105	439 1208	91 92	G-3130 G-3131	152 683	141 142	M-3112 M-3113	228 670	
43	D-3105 D-3106	1373	93	G-3131	2106	143	M-3114	426	
44	D-3107	2094	94	G-3134	175	144	M-3115	251	
45	D-3108	1297	95	B-3101	627	145	M-3116	261	
46	D-3109	185	96	B-3102	419	146	M-3117	294	
47	D-3110	647	97	B-3103	1746	147	M-3119	162	
48 49	D-3111 D-3112	789 188	98 99	B-3104 B-3105	1551 703	148 149	M-3120 M-3121	208 234	
50	D-3112	185	100	B-3106	327	150	M-3121	462	

N	Manikb	el Area (2)							
	er Io.	Sample No.	Cu (PPM)	Ser No.	Sample No.	Cu (PPM)	Ser No.	Sample No.	Cu (PPM)
	51	F-3317	65	201	G-3330	273	251	M-3340	179
	52	F-3318	63	202	G-3332	35	252	M-3341	130
	53 54	F-3320 F-3322	32 43	203 204	G-3333 G-3334	29 58	253 254	M-3342 M-3343	933 182
	55	F-3323	54	205	G-3335	44	255	M-3344	435
	56	F-3329	75	206	G-3336	129	256	M-3345	240
	57 50	F-3330	66	207	G-3337	140	257	M-3346	210
	58 59	F-3331 F-3332	49 31	208 209	G-3338 G-3339	75 30	258 259	M-3347 M-3348	72 77
	60	F-3333	94	210	G-3340	243	260	M-3349	64
	61	Г-3334	21	211	G-3341	65	261	M-3350	52
	62	F-3335	27	212	G-3342	108	262	M-3351	60
	63 64	F-3336 F-3337	70 27	213 214	G-3343 G-3344	94 72	263 264	M-3352 M-3353	67 88
	65	F-3338	97	215	G=3345	82	265	M-3354	88
	66	F-3339	159	216	G-3346	50	266	M-3356	360
	67	F-3340	32	217	G-3347	163	267	J-3301	48
	68 69	F-3342 F-3346	29 84	218 219	M-3301 M-3302	76 51	268 269	J-3302 J-3303	121 51
	70	F-3348	18	220	M-3303	111	270	J-3303 J-3304	82
	71	F-3349	27	221	M-3304	22	271	J-3305	54
	72	F-3350	26	222	M-3305	62	272	J-3306	59
	73 74	F-3352 F-3353	396 330	223 224	M-3306 M-3308	986 97	273 274	J-3307 J-3309	33 58
	, 75	F-3355	109	225	M-3309	49	275	J-3310	. 55
	76	F-3356	107	226	M-3310	45	276	J-3312	212
	77	F-3357	87	227	M-3311	28	277	J-3313	328
	78 79	F-3358 F-3359	44 48	228 229	M-3312 M-3313	71 81	278 279	J-3314 J-3315	479 127
	80	F-3360	211	230	M-3314	70	280	J-3316	38
-	81	G-3301	57	231	M-3315	110	281	J-3317	34
	82	G-3302	66	232	M-3317	35	282	J-3318	35
	83 84	G-3304 G-3305	121 256	233 234	M-3319 M-3320	66 73	283 284	J-3319 J-3320	413 61
	85	G-3306	33	235	M-3321	7096	285	J-3321	65
	86	G-3307	108	236	M-3322	3615	286	J-3322	78
	87 88	G-3308 G-3309	31 46	237	M-3323	79	287	J-3323	80
	89	G=3309 G=3310	46 43	238 239	M-3324 M-3325	83 124	288 289	J-3325 J-3326	25 17
	90	G-3311	30	240	M-3326	50	290	J-3327	29
	91	G3312	111	241	M-3327	32	291	J-3329	91
	92 93	G-3313 G-3314	65 39	242	M-3329	635	292	J-3330	72
	94	G=3317	121	243 244	M-3330 M-3331	391 131	293 294	J-3331 J-3332	28 96
1	95	G-3319	46	245	M-3332	100	295	J-3333	115
	96	G-3320	105	246	M-3333	244	296	J-3334	116
	97 98	G-3321 G-3324	299 55	247 248	M-3334 M-3336	84	297 298	J-3335	66
1 1 1 1 1	99	G-3325	190	246 249	M-3337	93 125	298 299	J-3336 J-3337	69 60
	00	G-3329	68	250	M-3338	307	300	J-3338	83
	:								

Manikbel Area (3)

Ser	Sample	Cu
No.	No.	(PPM)
301	J-3339	110
302	J-3340	95
303	J-3341	81
304	J-3342	111
305	J-3343	130
306	J-3344	185
307	J-3345	510
308	J-3346	73
309	J-3347	85
310	J-3348	48
311	J-3350	149
312	J-3351	154
313	J-3352	62
314	J-3353	137
315	J-3355	55
316	J-3356	348
317	J-3358	86
318	J-3359	107
319	J-3360	63
320	J-3362	61

			Н						
Layaca	an Area (1)								
Ser No.	Sample No.	Cu (PPM)	Ser No.	Sample No.	Cu (PPM)	Ser No.	Sample No.	Cu (PPM)	
1	A-3301	52	51	B-3313	\$3	101	D-3308	98	
2	Λ-3301 Λ-3302	411	52	B-3314	86	102	D-3309	150	
3	A-3303	101	53	B-3315	53	103	D-3310	32	
4 5	A-3304 A-3305	102 93	54 55	B-3316 B-3318	114 224	104 105	D-3311 D-3312	20 40	
6	A-3306	63	56	B-3319	106	106	D-3313	25	
7	A-3307	35	57	B-3320	65	107	D-3314	91	
8 9	A-3308 A-3309	54 57	58 59	B-3321 B-3322	158 276	108 109	D-3315 D-3316	32 80	
10	A-3310	17	60	B-3323	168	110	D-3317	475	
11	A-3311	262	61	B-3324	145	111	D-3318	25	
12 13	A-3312 A-3313	31 109	62 63	B-3325 B-3326	143 244	112 113	D-3319 D-3320	2 3	
14	A-3314	76	64	B-3327	19	114	D-3321	52	
15	A-3315	117	65	B-3328	449	115	D-3322	3	
16 17	Λ-3317 Λ-3318	62 13	66 67	B-3329 B-3330	312 212	116 117	D-3323 D-3324	47 2	
18	A-3319	11	68	B-3331	193	118	D-3325	396	
19	A-3320	66	69	B-3332	33	119	D-3326	114	
20 21	A-3321 A-3322	266 251	70 71	B-3333 B-3334	30 255	120 121	D-3327 D-3328	193 1 2 04	
22	Λ-3323	220	72	B-3335	122	122	D-3329	451	
23	A-3324	114	73	B-3336	252	123	D-3330	498	
24 25	A-3325 A-3326	72 186	74 75	B-3337 B-3338	40 340	124 125	D-3331 D-3332	69 150	
26 26	A-3327	179	76	B-3339	358	126	D-3333	52	
27	A-3328	428	11	B-3340	58	127	D-3334	69	
28 29	A-3329 A-3330	264 214	78 79	B-3341 B-3342	87 70	128	D-3335 D-3336	79 587	
30	A-3331	246	80	B-3342 B-3343	79 78	129 130	D-3337	498	
31	A-3332	122	81	B-3344	100	131	D-3338	592	
32	Λ-3333	180	82	B-3345	72	132	D-3339	406	
33 34	A-3334 A-3335	87 21	83 84	B-3346 B-3347	34 229	133 134	D-3340 D-3341	189 120	
35	A-3336	19	85	B-3348	182	135	D-3342	56	
36	A-3337	108	86	B-3349	152	136	D-3343	40	
37 38	A-3338 A-3339	85 99	87 88	B-3350 B-3351	33 70	137 138	D-3344 D-3345	85 100	
39	A-3340	159	89	B-3352	105	139	D-3346	62	
40	B-3301	68	90	B-3353	74	140	D-3347	47	
41 42	B-3302 B-3303	60 61	91 92	B-3354 B-3355	78 148	141 142	F-3301 F-3304	47 68	
43	B-3304	64	93	B-3356	62	143	F-3305	77	
44	B-3305	23	94	D-3301	61	144	F-3306	42	:
45 46	B-3306 B-3307	74 97	95 96	D-3302 D-3303	78 81	145 146	F-3307 F-3308	47 33	
47	B-3309	136	97	D-3304	47	147	F-3309	34	
48	B-3310	231	98	D-3305	56	148	F-3310	38	
49 50	B-3311 B-3312	150 198	99 100	D-3306 D-3307	77 45	149 150	F-3312 F-3314	34 22	
30	D-3314	170	100	5-3301		130	1 - JJ1 T		
	t jak								

Layacan Area (2)

Ser No.	Sample No.	Cu (PPM)
151	M-3123	614
152	M-3124	528
153	M-3125	330
154	M-3126	218
155	M-3127	287
156	M-3128	353
157	M-3129	264
158	M-3130	647
159	M-3131	264
160	M-3131 M-3132	198
161	M = 3133	221
162	M-3134	307
163	M-3135	482
164	M-3136	604
165	M-3137	1046
166	M-3138	825
167	M-3140	96
168	M-3141	1538
169	M-3142	947
170	M-3145	208
171	M-3146	195
172	M-3147	185
173	M-3148	99
174	M-3149	63
175	M-3150	63
176	M-3151	99
177	F-3101	300
178	F-3102	198
179	F-3103	198
180	F-3104	165
181	F-3105	221
182	F-3106	627
183	F-3107	759
184	F-3108	297
185	F-3109	188
186	F-3110	261
187	F-3111	162
188	F-3112	396
189	F-3113	327
190	F-3114	241
191	F-3115	66

