55-1. Drilling 74.

THE P. P. CO. LEWIS CO. LANSING MICH.

MISTELLAND THE CO Since the conditions such as labor, rocks and supply in the explored areas are different from each other direct comparison is difficult. However, it was realized that a penetration rate of more than 20 metres could be achieved regardless of drilling depth, if the conditions were favorable. The average efficiencies were 7.91, 10.27 and 9.88 metres a shift (day) for the A3, C2 and E1 areas, respectively. More than 14 metres a day was achieved where the rock conditions favorable.

the A3 area, the fine open fractures, having been formed within basalt in the shallow depths, were negative to efficiency of the drilling. Technical discussions and measures, taken were insufficient until the completion of all 化主要设备 禁犯 电线流 themholes. We have like

The common conditions in the E1 area were the deep oxidation zone and seriously fractured rocks. The casing operation and occasional cementing were unable to decrease the frequency of pulling the rods.

one About parts and consumables should be mentioned since they effect to the supply conditions. The problems like short supply of waimported goods caused by insufficient foreign currencies, superannuation of rigs, rods and batteries, shortage of parts such as diamond bits, coreprings and bearings and shortage of consumables such as cement and bentonite together with poor administration, resulted in decrease of the penetration rate.

5 -2. Geology

THE SOUND SECTION OF THE RESERVE OF THE SECTION OF

Area A3 been found that this area is underlain by basalt lava, dolerite, mafic tuff, basaltic lapillistone, basaltic lava, pelitic-felsic tuff alternations, basaltic lava in apparent ascending order, although the drill cores presented poor evidence on the stratigraphic succession. The sequences strike approximately east to west and dipersouth with an angle changing from 90 to 60 degrees. Intrusive rocks include biotite granite, plagioclase (quartz) porphyry and quartz porphyry, and the former two have emplaced concordant with the structure of the greenstone. The quartz porphyry seems to stretch north to south because it is limited to the deep part of the hole A3-2. (Fig.II-5-4 5) and the state of t

Area C2 strain this company of the second of the company of the company

Dolerite, believed to be a facies of the basalt, occurs in holes and trenches and the relation between the two is intergradational. The inferred trend of the greenstone is NS strike and dip to the west at 50, approximately. The quartz porphyry dyke runs with a strike of N 60 to 70 E and a dip of 80. degrees to the NW. (Fig. 1125-5.)

The area drilled is underlain by andesite, green dacite with intercalated thin layer of BIF, andesite, green dacite, felsic tuff and alternations of andesite and green dacite. Identification of this sequence was based on eight drilling

profiles including 12 holes.

The mineralization, identified by the surface investigation and encountered in the holes, is restricted to the upper part of the andesite formation, which forms the lowermost horizon of the sequences. The general strike and dip of these formations are N 50 E and 70 SE, respectively. However, the dip reverses locally to 80 NW. (Fig.II-5-6-8)

5 -3. Mineralization

Area A3

The mineralization of this area characterizes an assemblage of sulphide of pyrrhotite, arsenopyrite, marcasite instead of pyrite. The pyrrhotite was identified as a primary

mineral under the microscope.

Au mineralization is sporadic. The quartz and silicified zone of 23.56 to 23.76 metres depth in the Hole A3-7 contained the maximum amount of gold, 41.21 g/t. Ag content varies from 1.5 to 6.5 g/t, regardless of the Au values. The arsenopyrite and low Ag contents are conformable with that of the As geochemical anomaly zone occurs directly below the south of the Au-anomaly zone. The weak Ag-anomaly zone has been and formed separate to that of Au. The projected maximum gold yield on the surface is coincides with the maximum value of 1.02 g/t of gold in the soil. (Fig.II-5-4~5)

Area C2

Ag- and As-anomalies are separated spatially from the Au-anomaly. The only mineralization intersected was a 3 cm wide quartz vein with pyrite and chalcopyrite. It gave an anomalous value of 1.87 g/t of Au. A sample from a quartz veinlet in the trench contained 1.59 g/t of Au. (Fig.II-5-5)

Area El

The assay, resulted from the samples of gossan in the largest Au-anomaly zone C, gave the maximum 0.56 g/t of Au with an average of 0.2 g/t. No other geochemical anomalies were occurred in the zone. The network pyrite mineralization, encountered in the drill holes, gave mostly less than 0.10 g/t. Two samples from E1-8 and E1-9 were the only ones with more than 1 g/t of Au.

Three samples of gossan from Zone B gave high gold values. The drilling encountered a subsurface mineralization with the highest contents of Au and Ag, 53.37 g/t and 63.16 g/t, respectively. In the Zone B, the Au anomaly overlaps with those of As and Ag. Assay values of more than 1 g/t of Au came from the two holes E1-3 and E1-4, located in the east end of the zone.

No arsenopyrite was identified in the polished sections of core samples under the microscope and therefore, the source of As geochemical anomaly could not be identified.

Ag content varies with the Au content when the former is

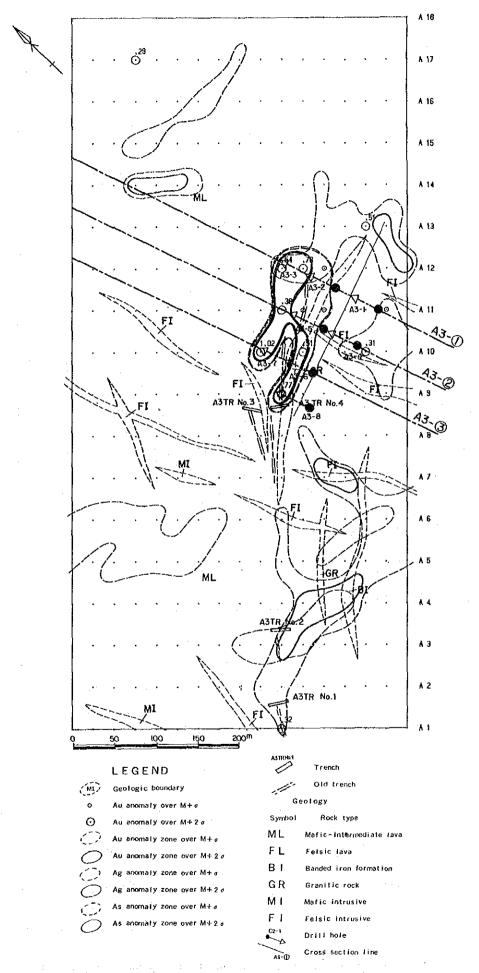


Fig. II-5-1 Location of Drill Hole and Cross Section of Geochemical Anomalies in Area A3

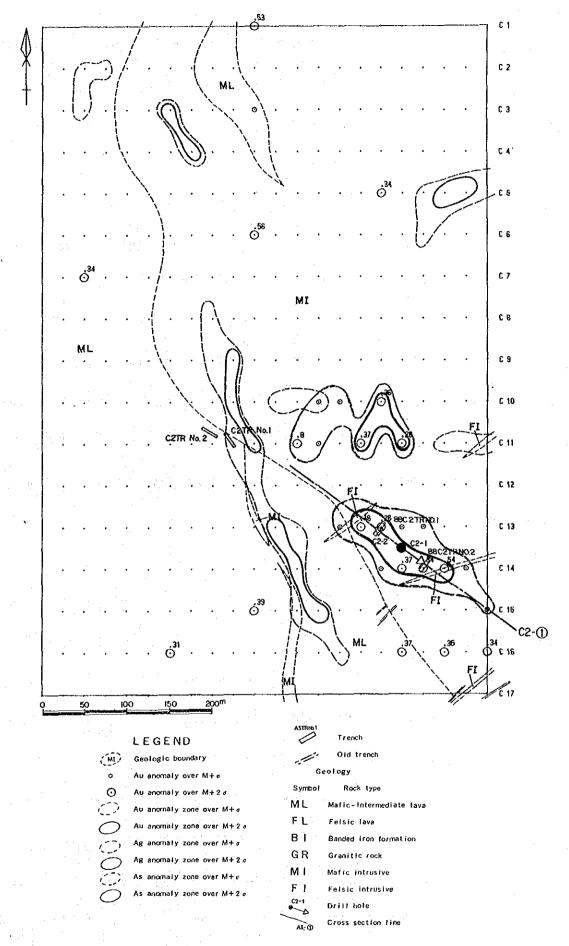


Fig. II-5-2 Location of Drill Hole and Cross Section of Geochemical Anomalies in Area C2

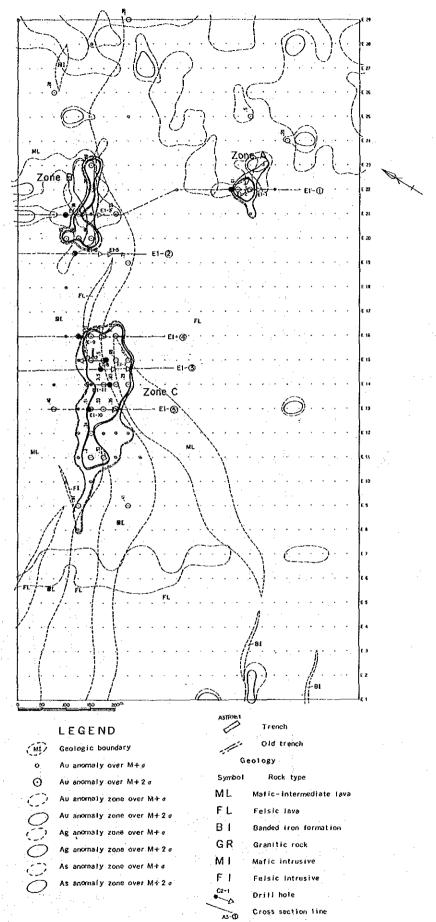
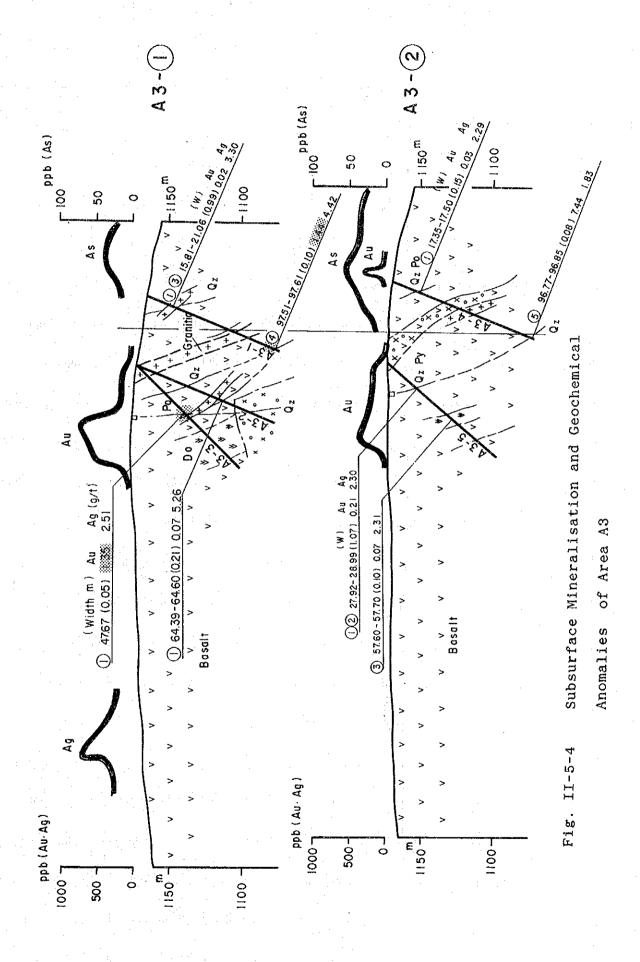
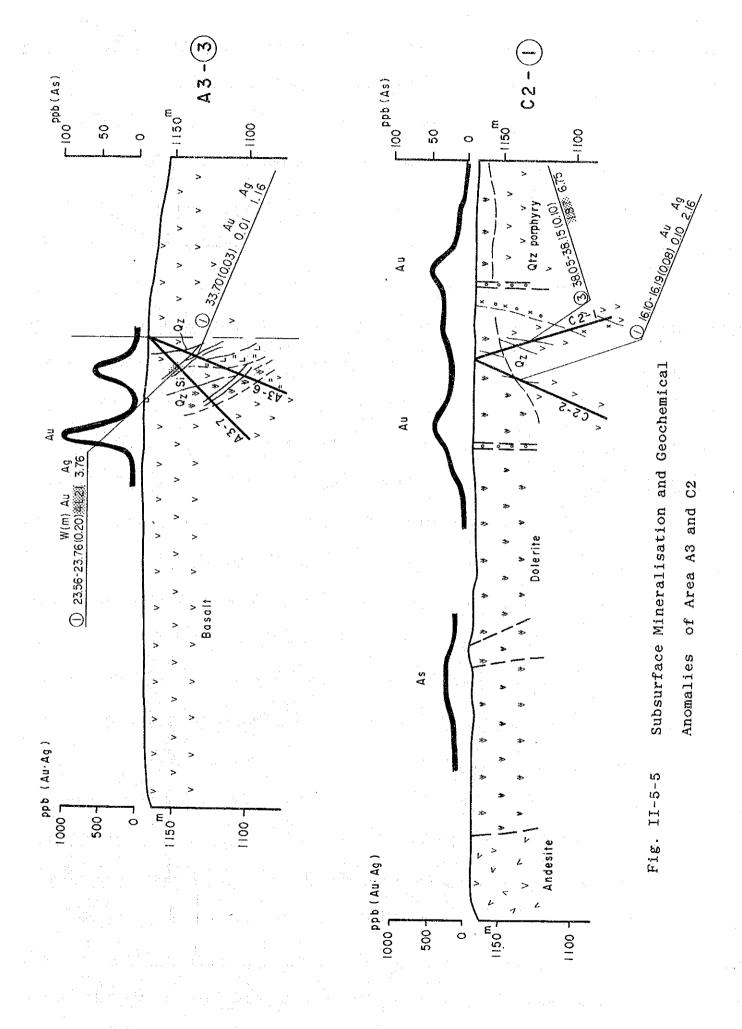
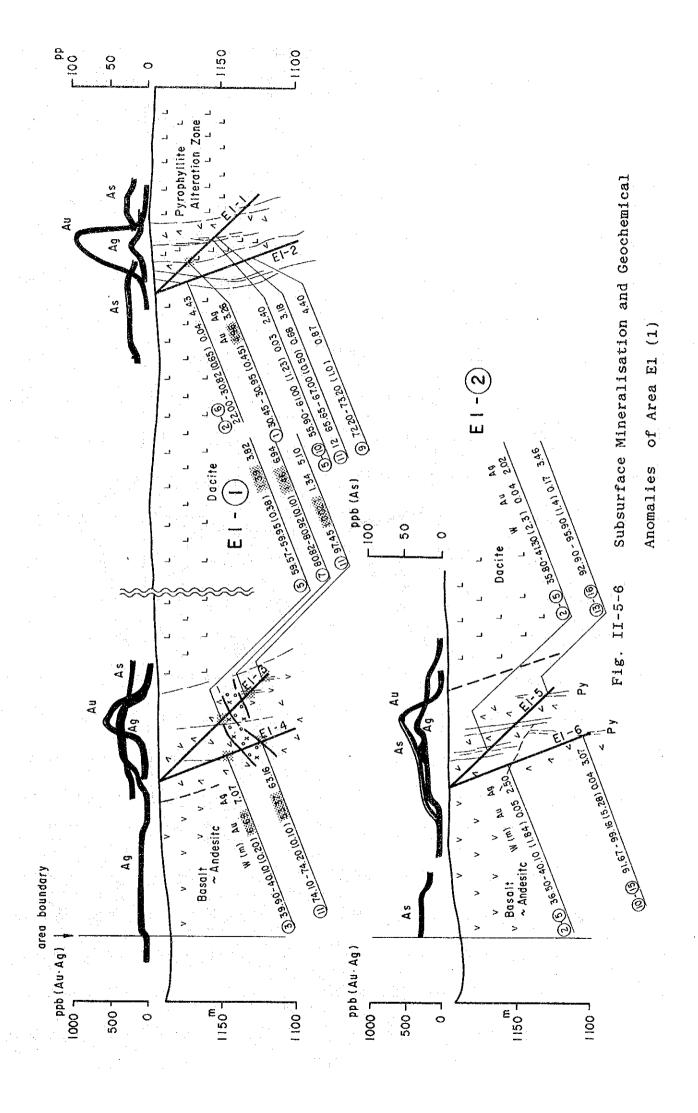
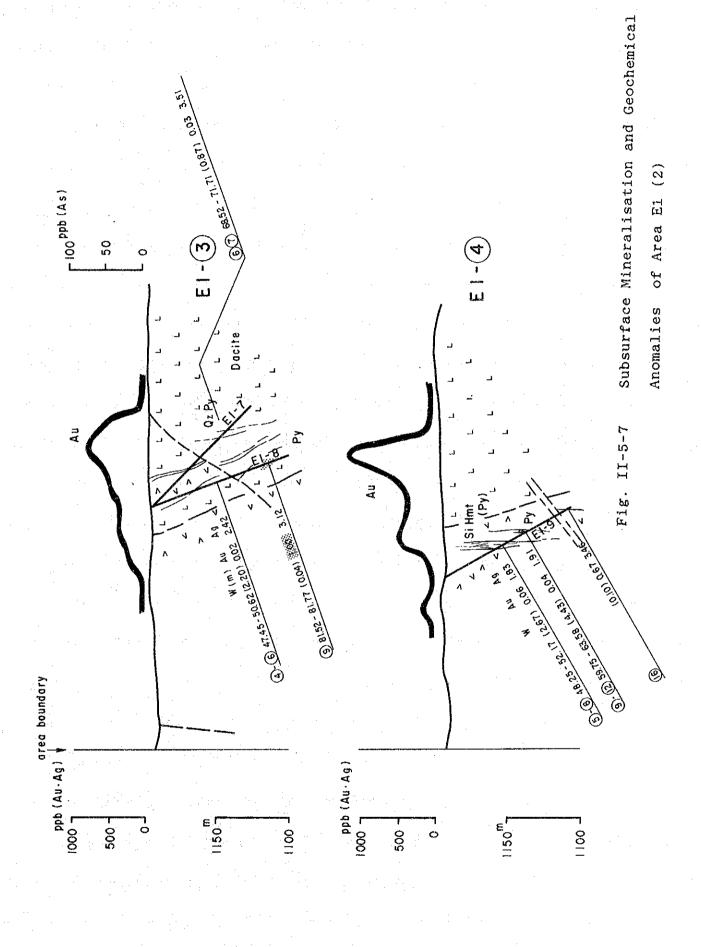


Fig. II-5-3 Location of Drill Hole and Cross Section of Geochemical Anomalies in Area E1

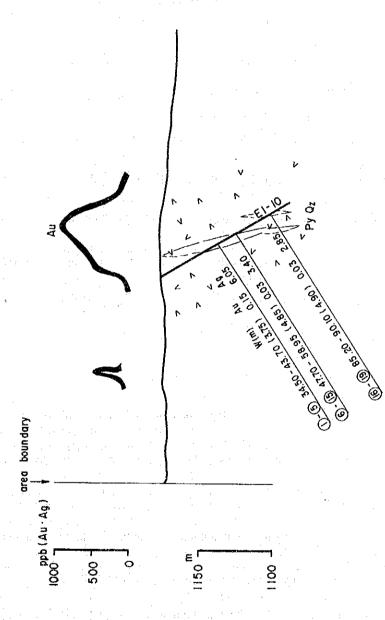












g. II-5-8 Subsurface Mineralisation and Geochemical Anomalies of Area El (3)

high.

Geochemical environment of the Zone A is similar to that of the Zone B. Zone A is small but the anomalies of three indicative elements overlap each other. No mineralized outcrops were mapped there. However, a core sample over 45 centimetres thick contained 4.96 g/t of Au. As a result, it was realized that the soil geochemical exploration is effective for the type of Au deposits which exist in the E1 area and the coincidence of anomalies of the indicative elements other than the Au is a favorable criteria for exploratory drilling. (Fig. II-5-6~8)

Table II-5-1 Gold Mineralisation Intersected by Drill Holes

Hole No.	Depth(m)	Type of Minera- lisation	Assay Au	Values(g/t) Ag
A3-2 A3-3 A3-4 A3-7 C2-1 E1-1 E1-3 E1-3	97.51-97.61 47.67-47.72 96.77-96.85 23.56-23.76 38.05-38.15 30.45-30.95 59.57-59.95 97.45-97.47	Hmt,Py Hmt	1.44 1.35 7.44 41.21 1.87 4.96 1.39	1.83 3.70 6.75 3.26 3.82
E1-4 E1-4	39.90-40.10 74.10-74.20 81.52-81.77 20.07	Qz+Hmt Si+Py Py Si+Qz	6.69 53.37 1.00 1.28	7.07 63.16

5 -4. Homogenization Temperature of Fluid Inclusions

The homogenization temperatures of fluid inclusions contained in quartz and calcite from the drill core. Twenty seven polished samples were prepared out of twenty four core samples and forteen of which, were available for temperature measurement. No fluid inclusios were found in the rest.

Appendix 6 shows the results of the measurement and Figure II-5-9 and 10 illustrate histogram of the temperatures. The histograms indicates comparatively low temperatures; not exceeding 200° C. Even in the case of small number of measurement the histograms show normal distribution.

The average temperature of Area A3, C2 and E1 is 155° C, 134°C and 138°C respectively. These are much lower than those of Dalny and Globe & Phoenix mine which gave the temperatures ranging from 210° to 300°C. The samples of the Rise Up mine lying on the extension of Area A3 gave 194°C in the laboratory test of Phase I.

The homogenization temperatures of the mineralization zones encountered in the drill holes are lower than those of the known ore deposits.

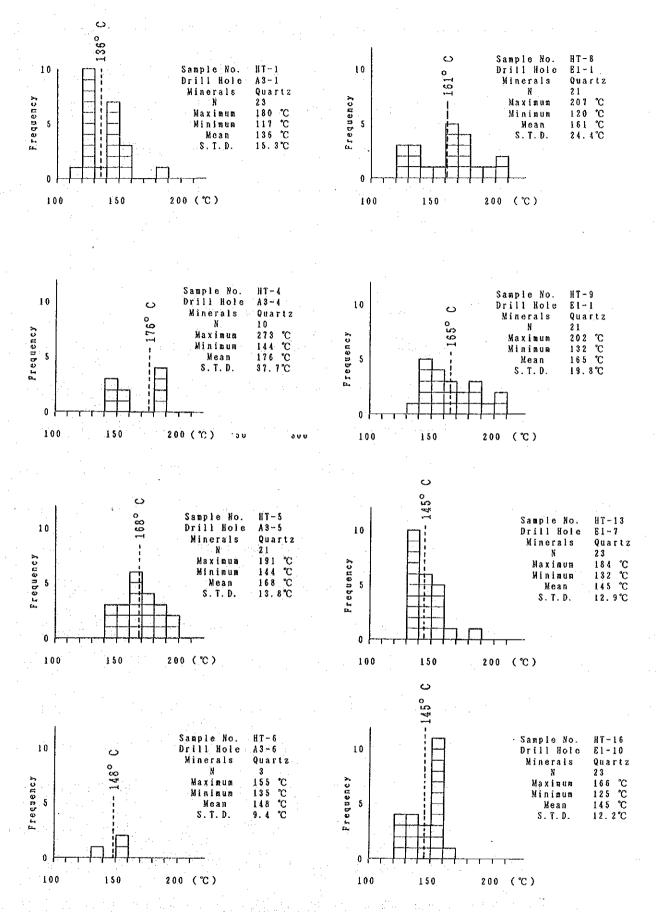


Fig. II-5-9 Histogram of Homogenization Temperatures of Fluid Inclusions (1)

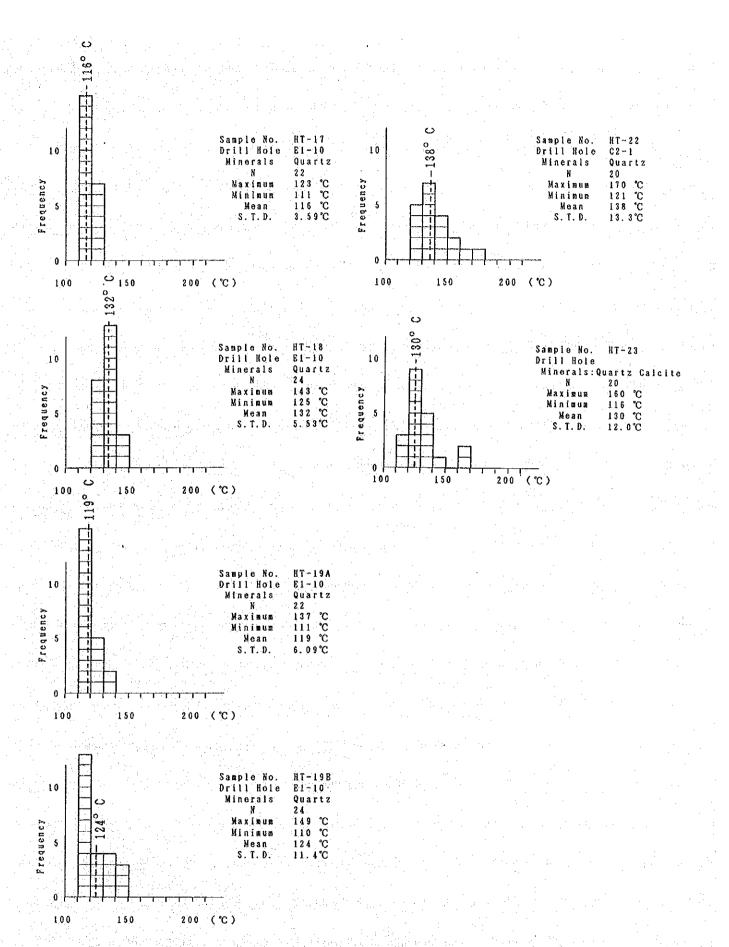
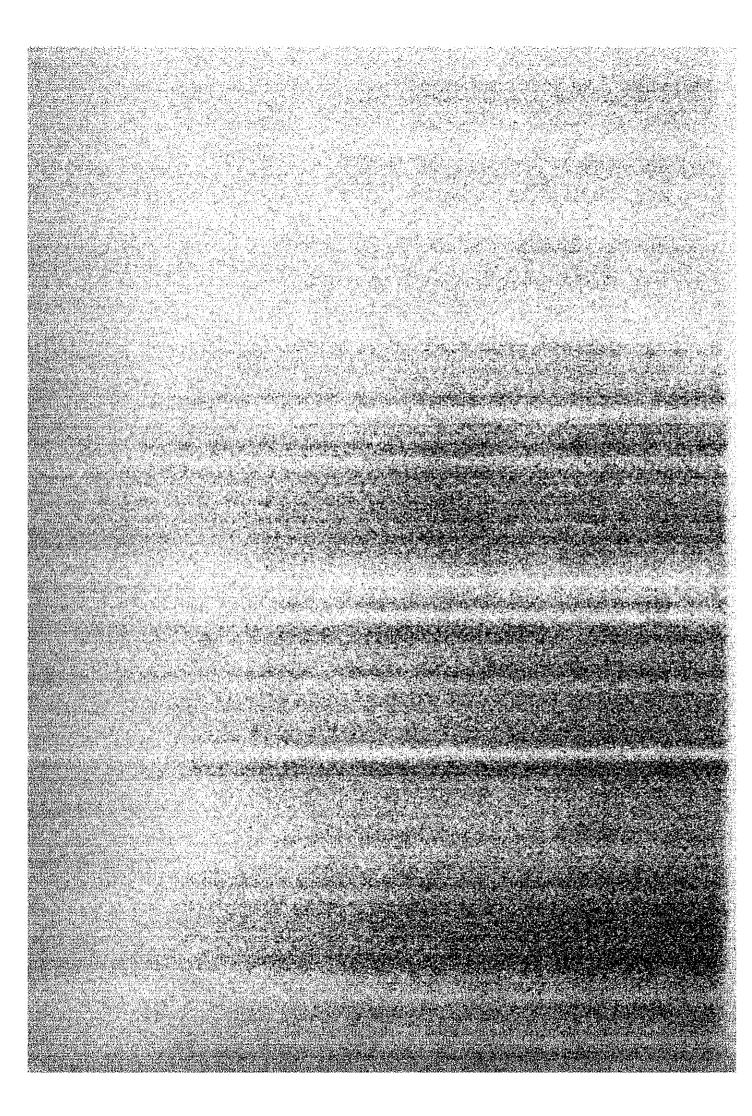


Fig. II-5-10 Histogram of Homogenization Temperatures

of Fluid Inclusions (2)

		!	

PART III CONCLUSIONS AND RECOMMENDATIONS



PART III CONCLUSIONS AND RECOMMENDATIONS

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CHAPTER 1 CONCLUSIONS withwas not land the part of the

The exploration programme of this year included trenching and drilling in the three areas selected on the basis of the geochemical prospecting programme of the second year. The of this survey was to test the mineral potential of the areas which are dominated in evein or disseminated type gold ore. of her Tresults obtained from the programme are as follows. The drilling of 22 holes of totally 2,202.9 metres intersected gold bearing quartz veins in the A3 Area and gold bearing pyrite network mineralization in the El Area.

In Area A3 the quartz and silicified zones of the holes A3-7 and A3-4 contained 41.21 g/t and 7.44 g/t of respectively. Microscopic examinations revealed the mineral assemblage, including arsenopyrite, and the relation between soil geochemical anomalies of indicative elements and subsurface mineralization.

Economic mineral potential was not evaluated to be very because the encountered mineralized sections were as thin as 20 centimeters.

In Area E1 the network mineralization with moderate amount of sulphide, or hematite occurred in the oxidation zone. The maximum assay value was 53.37 g/t of Au. Fundamental statistics for the 176 samples, except for the maximum value, are as follows.

		Au of g/t	Ag of g/t
Arithmetic Mean	: M	0.176	2.872
Standard Deviation	;	0.659	1.889
M +		0.834	4.761
M + 2		1.493	6.651
			+ 4
Geometric Mean	: M	0.044	2.592
Standard Deviation	:	0.562	0.175
M ÷		0.161	3.874
M + 2		0.588	5.791

Only eight statistically anomalous values of more than 0.834 g/t Au, (M +), were found in the samples. Economic mineral potential of this area is still low because the low grade. However, the survey indicated that the gold mineralization was closely related to Au bearing geochemical anomalies overlapped with Ag and As anomalies.

CHAPTER 2 RECOMMENDATIONS FOR FUTURE WORK

Based upon the results of the this year's investigation and the conclusions derived through discussions, the following guidelines are recommended for gold exploration in the future.

Soil geochemical exploration method for gold is effective and should be conducted jointly with outcrop mapping and insitu panning. Selection of indicative elements is usually accompanies the technical problems such as analytical accuracy. However, gold, antimony, arsenic and mercury are believed to be good pathfinders in geochemical prospecting for gold.

The problem of geochemical anomalies with multiple overlapping should be discussed during the area evaluation,

prior to drillig.

A deeper drill hole to Area A3 and E1 will assist in the better establishment of the criteria for area selectin when the Au assay values and homogenization temperature from the deep, are collected.

ABBREVIATION

st	structure	Ser	sericite
Cal	calcite	car	carbonitization
Qz	quartz	Si	silicification
V	vein	seg	segregation
vl	veinlet	₩=	width
spd	sulphide	calc	calcareous
irg	irregular	alt	alternation
Ру	pyrite	Pl	plagioclase
imp	impregnation	Po	pyrrhotite
diss	dissemination	Chl	chlorite
ntw	network	bre	breccia
wht	white	pheno	phenocryst
grn	green	ppl	purple
gry	gray	fin	fine
blk	black	comp	compact
brn	brown	msv	massive
argil	argillization	homog	homogeneous
Pyr	pyrophyllite	hetr	hetrogeneous
Lim	limonite	vert	vertical
gsn	gossan	fract	fracture
amyg	amygdal	drk	dark
sed	sediment	Mus	muscovite
intercal	intercalation		

Ар	aplite
Ad	andesite
Bs	basalt
Af	acid tuff
BIF	banded iron formation
Bt	basic tuff
De	dacite
Gr	granite
Qp	quartz porphyry
P	porphyrite
Ch	chert
Sch	pelitic sediment
Do	dolerite
La	laterite

ŧ,	Column		Geology	,		Sample No.	Depth	Column		Geology	1		Sample No.
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23 28 2447 2572 2757	+ + + + + + + + + + + + + + + + + + +	Bs Bt Sch	Cracked Spotted Pairlie Lecosy Blasched Pole On Gry 1914 Spots		- 2:00 - 06 01 V W=4cm 260*	3	2542	V V V V V V V V V V V V V V V V V V V	83	Catateous Solid 230° 31°5cm Remotizable Lepidatore Tax 102°-0 on 81 Partir Amag Cd Filleg Matrix			
30 - 3142 3272 3510	* * * * * * * * * * * * * * * * * * *	Bt Ch Gr Sch	Bic Tax or Stocked Philic 220-50' Bin Gry in Perphysitic 250'		– 3485 Py VI Diss		30-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
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	V V V V V V V V V V V V V V V V V V V	Bs	•		4500 Cd V W:2 cm 230* -4515 Cd Iraq W:3 cm -4635 Ot Cd VI -2635 Ot Cd VI		.50-	V V V V V	₽s	O'k Gri Arryg O'Zern O' Carbon-led Parry Bon (Or)		5000 Cel V + Ps W 11 - 2 on 50 20 Cel V Pe 2507 S 55 Vrg Cel V	
60-	^ ^ V	:			- 52 72 Cal Oz V W21 Zem 260* 54 77 Cal W11 can 55532 Cal 102 240* - 5766 Cal V W11 can 250*		5527 5933	Y Y Y + + + + + + + + + + + + + + + + +	. Gt	201-201 to 8 Bi Gran West Seg Sin - Birn West Call Booking 2301		i brig Col V	
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Fig. II-2-7 Drilling Log of Area A3 (1) A3-1, A3-2

of h	Column		Geology	1		Sample No.	Ę	Column		Geolog	у		le No.
_ Depth	Col	Rock Name	Description	Alteration	Minerali- zatlon	Samp	3 Depth	3	Rock Name	Description	Alteration	Minerali- zation	Sample !
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	v	Da			- 7070 for VI 220* - 7:57 for VI 240* - 7:57 for VI 240 - 7400 for Cos V W:2 cm 250*			v v					
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67-0	V V		Boundary Feather John		- 8330 02+F6 39 VI 2501-60*			V V V V				-	
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Fig. II-2-8 Drilling Log of Area A3 (2) A3-3, A3-4

epth	E L		Geology		or broken partition	Sample No.	Depth	Column		Geology	/		Sample No.
∃ Det	Column	Rock Name	Description	Alteration	Minerali- zation	Samp	∃ Deg	S	Rock Name	Description	Alteration	Minerati- zation	Samp
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1807	V V V V V V	B≰	Dra Grn Fin Comp Froct	: '	-190 Ot VI W≈0.5 on ∠65		20-	A A A A A A A A A A A A A A A A A A A	Bs	Dy's Gra Co VI Abundent Helrog Like Lova Flow		- 1970 - 19.50 Gt V+7y+(p + (p+4a?	
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Fig. II-2-9 Drilling Log of Area A3 (3) A3-5, A3-6

£	ımı.	Geology				le No.	ŧ	i mi		Geology			le No
∃ Depth	Column	Rock Name	Description	Alteration	Minerali- zallon	Sample No.	j Depth	Column	Rock Name	Description	Alteration	Minerali- zation	Sample
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	v v	Ðs.	Foot Core Recovery					v v v v	B\$	Dork Green Massive			
	v , v		Yest deleting Filled with				9. 57 9. 92	V		9 57~ 9.92M Valeing Os			
10-	V V	G _T	81 Carpoints		980, 01 VI 230° -40° VI = 05-10 on		10-	+ +		Light Gry 81, Mas	ļ	9 57 - 992 Py V 9 92 - 993 Qz 2358	0
12.20	v v						ŧ2 22	* × * *	G _f	Fin Grained Vein/fractures ∠70-80°		- 12 22 fin Velning	
	v v v v						15 57 17.27	A Y +	85	Harginol Faces Sclicifisd Contact 240° Brn - Grn		- 17 23 - 27	
20-	v v	θı			:		19.20 20- 2074 2154	+ +	Gr -Bs			Sr Band Spd	
	y y y y				25.46		2074 2154	14.14	Gr	Foull			
2376	x 0 x	Фр	Ps Posphysy 4Qz Pheno, Matic (No 2)	İ	23.56 23.76 07 V+Si Iane 20-30	(O.)	338	+1/+		Freetices 470°-80° Silicified Zone Spd Imp		- Oz Vitem - Pyisnp	@
ł	o x o x	-/-81			- 28.13-26.20 0z V W=7 on 2 15°		26.94 27.02	V V	Ар	Z40° Contact Malamorphoted Ben-Ock Geo/Rooding			
麗麗 30-	v v . v =.	B3 .			2 15°		30-	v , v		,			
	V = V = V = V = V		Gce, Bra Banded Pt Pheno[2] Partly Contained				77.00			Bi Disappears , weak Thermal Effect		. 1	
	, v	18			- 35 20 Vrrt V+ Sr + Cst - 36 90 36.55 Oz V		35.90	v v	es Bs	Horizonial Ap Vela			
40~	2 * V 2 V * V	61	Receystatifized 91?		W=Icn 20°		40-	v v 44 §		Bordet St Z45°		- Pa V1	
	* V * V		Pt Spalles Gasic Fult				4110			8) तादी Lager 245°			
	V = V - V =				48.00 ~ 04		4384	v . v		Med, Daferitic			
47 30	· ·	Es	Pj Spotfed		- 48.00 ~ 08 0≥ V +S! ₩=5 cm ∡50°		1	V V		Occesional Thin Vaining No Mineralised			
50	¥ . ¥		Recrystollized Malic Remarkable				50- 5/54	v v		Courses Fotiss of Do			
	v	Bs/Do	Local difercal of Bra Bilayers					A A		Nan Wognetic			
56.90	V , V		∠5~10°				56 85	V.: Y				-Qzy W≎lon ∠45°Py	
59.50 60-	+ + V	Gr	Bi Rich, Gr Pheno Rore				60-	v * v	·	· · · · · · · · · · · · · · · · · · ·			
	V V	Do '						A A	00/85	Fine Veining			٠.
l	V V		Boundary Not Obvious					¥					
	v v						62.50	A A A				- Oz V Zone ₩≈1.5 ch ∠50°	٠.
70-	v v				- 69,90 Q1 Y1 220°		70- 70- 71-03	V V	- f Bs	Oz V Al The Contact Gi/Go £ 30°			
	v * v						73 40 74 00 74 57	v . V	Gr Br	Hb Gr Matte Parallel to Cantact	Argil	-Ven Creek (Py)	
	v v							V , v				-74.57 Fit 0x VI ∠557-90° -76.22 W=4on Qx V ∠30°	
80-	ഗ്ര	8:	Pillow Brc Like Lovo St		- 78 14 Col VI + Spd		80-	V V	Do/8s			∼Oz V W≎3cm ∠4O°	
- (v 300			·	- 60 60 520 - 60 60 51 A			v. V v			:	, , ,	
l	v. v v						85.64	V V					
	Ϋ́Υ				- 86.85 Verl 3rg , Col V - 88.25			v		Med to Fin Basali	·	eg 97 On 7404	
90-	v v	4 i					90-	v v	Bs			- 85 67 Dz Zone - 89 40 W-2 cm 255 + 1.5 cm 255	
	v v							V V				-92 05 Po VI -92 89 CriPo Pi W≃ 2 cri ∠60° \$3.70 CriPo Py Cp	
	v v				E S Cal V			v v					
20-	, v v		8 ∕≈p				100-	v v		Stop		−97.58 Ox Py W≈2cn 230°	

Fig. II-2-10 Drilling Log of Area A3 (4) A3-7, A3-8

ا ع	E E		Geolog	у	***************************************	2	Ę	É		Geolog	У	Contract of the Contract of th	
11 C C E I	Сојити	Rock Name	Description	Alteration	Minerali- zation	Sample No.	≘ Depth	Column	Rock Name	Description	Alteration	Minerali~ zation	
		Solt					1335	λ	Soli	فعرمه مناسب و ما دمانی به به واجه و سالت و معطه بیش ایران		- 474m	
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	v v				1370 OT P4 FAM			V V	<u> </u>	Drk Grn 34kd Do/Bu	*		
, l	y y		ef S		- 24 50 Cof 200 2570 Col W. Cor 1570 Col W. Cor 1580 Or , Correy W13 400 270	0		V V		1			
0-	V V V V	:	-		- 1939 - 45 Py 13		20-	v v	Đo				
٦	v , v	Bs						v * v				2043-65 - 213 Cal +290* - 213 Cal +29 Vt - 2230 *	
_∞	v , v		240°			·	2350 2420	V V		Cre Accident His Aggregate			İ
ļ	۷ V	Do			- 2830 40 Cal V W.5cm - 2835 45 Or V Wilson 250			y v				2618 Oz. C4:+P) 2636-51 W:10m W:10m Car +Py 4 90*	
0-	v , v		Fy Disseminated	•	Z 50°	(2)	30-	٧ ,,	<u>-</u>	:		303-23 Cd, 01 +Py W13 cn, 160* 3/20-35/5 01,-Cd +Py	
.	v v		Porty Cra Do No Centers Bostoary					v v		Free		0:,-Cd ≯Py ±Cp	ŀ
Į	v v v v		Mgt Rich	-		.		v v					
,	, , ,				3900 - 5 0z + Csy W:15 - 30cm ∠60	(3)	40-	v v			1	3997 - 3947 Py 402 VI 280*	١,
	v v	Bs						v v	8.			:	
ı	v							V V				- 444! Cd W:5 cm. 40*	
1	,		la Barring and second					v v				_ 4854 Q2 V _ W = 2 Q2 ↓5°	•
0-{	,		Ep V:				50-	V V					
	, , , ,		·		6325 -35 02, Cd +P) V W: 707 245			' v V V		٠.			
I	¥=,=¥ •=,=¥		240° Ociente					v v v v				5702 Cd VI +Py 290"	
۰.	, , <u>, , , , , , , , , , , , , , , , , </u>						60-	,				230	
	v , v	Bs.					63.53 63.73	v v	į	Doer ≥ c		£101 va	
	v v	Qp Bs	260* 490* 4 50*-55*				: 53/3	v v				6405-19 07 + P7, Cp Y W14 th 170*	ľ
92	x	<i>Op</i> 85	250*					v v	. •	!			
	X O X O X O X	Cp Gs	490*				70-	v: v				noo Oz V: Stg +Py W:Zen	
	,	Ðs						V V	÷				ĺ
	v x o x	ون	2507-707					v v	Bs				
2	0 X 0 X 0 X	Op 8s	240*		- 903-4 G4 A		80-	v v v v					
ľ	` v	B\$	Ork Grn Fin					v . v				8280 - 8300 Vertual Gz W+2 - 3om	
,	, V	99	25c-					v v					
1	' ,	8:	. 				90-	V V V		4.5			
	v v v v v		Z60* Light Gy	Sı	,		30-	v v		Arr y yTes			
73	X O X O X O X V V	Ωρ 6s	Firer Chilled Morgin £45°					v v		•			
"	, ¸ ,	С _Р Вз	96.50~98.60 Cal.0t VI		- 99 20 02 V ₩1057 £30*			v v		* * * * *			

Ę	E E		Geology		Selectory produced to	le No.	£	Ë		Geolog	у		e No	
3 Depth	Собити	Rock Name	Description	Alteration	Minerali- zation	Sample No.	3 Depth	Сојити	Rock Name	Description	Alteration	Minerali- zation	Sample No.	
		5011							Soil					
	ادر	i.					397	ե ե. ւ	ļ	Washered Red Bro Oz Pheno Visiple				1
-	L L	1 1	Gro Allered	Pyr				և լ ե	De	Dia - Light Grn blar				ļ
10	ן נ נ			 - 	:	.	10- "°			. €60°	966 - 86 Si Na Py		0	
11.75	1						""	L , L	Af	Red Cream ≥yr	P ₂ ,			
	L o L						H90	L * L				 		
	1	. J A1		Pyr+Oz VI				נו בו	De	Hart Bits				
20-	L s t		·				20-	. L .						Ì
22:5	V 2	.i i	Lun Portis		- 24 33 - 41			- L - L				2200 01 V H=2cm 2330 01 V H=2cm 270°	@ ③	
	2 4		• .		24 33 - 4i Qr VI + Rest 2 50° - 26 70 - 77 Lim	-		1 2 E	At	Lim Band 260°		2667-2712		
7.	1 1						70	i [. [.]				2667-27 32 1 2780-28 35 1 2780-28 35 1 2676-29 32	8	
30-	1				30:13-25 - 02 VI + Hm? - 30:43-95 Hm4 Py 250°	0	30~ 3180	L = L		£ 70°		31 55 - 65 Frau - 20 85 ûs Ai+Hei	1	
	l L L				: .			1 1	1. '			ĺ		
	r .			Pyz + Ser	36 20 Coi+ Py - Wall 5cm 2 75° 36 40 - 50 Py New			V 1		Gm Reddish Oxidized Ad				
40-	֝ ֡ ֡						40-	4 1		F				
	ו ו ו	De	Milky Was - Cream Yealow With Cas lite					1 1	Ad					
- :	L L L L L L L L L L	{ }			= 4444 = 54 Py N:# ∠ 70°	②	4460	V 10		Gry Grn Fin Cal VI	Cor			
	L %				- 47 80 Py Nia - 48 50 Py Nia			۸ ۷		•		- 47 +5 - 95 Cel + Py 280°		
50-	L		· ·		- 50 50 - 75	3	50-	2 V		Bre Tex locally				
53.75	1 1				- 31 91 - 32Pyhh- - 33 90 - 32Pyhh- - 33 90 Pyhh-	0		7 7	:					
	7 1		Drk Gry	- Pyr	55:50-56.05 Py 0:ss Bond W= 5cm 250° 56:15-45 Py	③	53.40 56.40	A 4 4		∠75°		Py Diss	0	
	1 ×				5720-30 IY - 5878-5918Py			1 4						
60-	1 1	Ad	Brmsh Grg		- 5987-6000 Py - 6085-6100 Py	-	60 -	7 4				- 61 IO - 3O Py	(0)	
	1 1				- 62 55 - 90 Cal 1 Py VI	8		1 1 2 V		•				
	, ,				- 63 40 01 VI - 65 65 - 50 Py - 66 75 - 67 00 Py Div 460	(3)		1 1	·					
70-	<i>L</i>		760°		Py Din 260* - 6825-30Py		70-	K V		. ·	Car			
	. L	Oc	Oz Fhano :	CPL AI			10-	4 4 4 V		-	Car	72 20 _ : _		
19 . 1 5	1 L		450° Ern Drk Gra		- 23 15 - 23 Py Pod			v ^				72 20 Py 52"	9	Ì
76.35	7X	Ad	Drit Spotted Gra	Cor		.:		, v				- 7700 - 20 01 Cal V W: 1- 2 cm / 80°	⊚	
78 97 80	LL		∠ 50°				80	V V						
	L L		:	.:				V 1	. Ad	il de la companya de la companya de la companya de la companya de la companya de la companya de la companya de		·		Į
	ե լ Լ Լ	Dc .			- 65 15 - 23 Oz V W=5cm & 40°	(3)		2 V	-					
te 30	L L L					1.01		1. 4 6 k				- 86.75 Cor V - 87.25m (55" - 87.05% Cor - 87.62 Cor W: 4cm (60"	5	
90~	, v	Ad		Ear			90-	۸ د د			91.52~	W:4em ∠60°	0)	
93.35	r 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24CP					- ^ v		Light Gry	9f.52~ - Intense Cor + Chi,Tak	Fy Oss		
98.50 98.50 98.50	L L	De .	430°		_ 96 60~ <u>.</u> 90			۸ ر د		.:		Decestandly		ĺ
	1 L	-02 De			9660-50 - 02 V+Py 0:33 - 9746-61 Py 0:33	(6)	1 1	7 N				- 96 76 Py (>ss	ا د	
100~			S105				100	ŀ		Şioş		- 99 60 Fy Ous	②	J

Fig. II-4-11 Drilling Log of Area E1 (1) E1-1, E1-2

#	E E	ACCORDING TO COMPANY	Geology			Sample No.	t;	Column		Geology	/		Sample No.
_ Depth	Column	Rock Name	Description	Alieration	Minerali- zollon	Sатр	j Depth	Colt	Rock Name	Description	Alteration	Minerali- zation	Samp
7°3 10°-		Soll L0 Soll L0 Soll L0 Ad	Wegatered Ad Stree				600 - 300 - 10 - 1755 - 20 -	1	Soil Ad Stime				
30~		Ad	Redoù On Michered Ouderen Zone				30- 30-			Some / Weathered A3 Alt		Herd NAM Note (Ann See 20 Of Villeton (Ann See 20 Of Villeton (Ann Mark 1 See 20 Of Villet	00
50-1	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		240° OI Niw Limonos + Hirst	Pole Gra Ctoy - 1750 →1805 Argil		0	40- 4500 4675	V 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ad:	- 2507-60° Mineralisation Boundary Or Yelfow Bin Len Oracland - Reddish Facies	4472 -92 Argi	- 3930 - 40D Gr V Hen I Sul - 424 - 432(-3) Hen - 4462 - 72 Hen	<u>-0000</u> 00
5400 5450	/ / / / / / / / / / / / / / / / / / /	Đs.	Args On Burth Cro Gocked		52.5 Hits Zone - 54.00 Hits Zone - 59.57-95 - 59.57-95 Hits V	© ③	60 ~	1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V		Gy A Oz Mencuysi 2-5m/m8 AMORC	5450 5500 Mgi	- 649-6323	(T)
	* v	Ор	Light Gy Pl Pophysia +Mrk Albura 445*	4	7630-A3 Post Nie	(X X X X X X X X X X X X X X X X X X X	Qp Bs/Ad	240' Sk-Dal Gra Py Dka / Vey Fra VI	Cor	Py Das +Cd v 40-60* 7:80-90 Cd G1 W+40n 260* 740 91py W+000*	® (1) (2)
80-	· · · · · · · · · · · · · · · · · · ·	Bs/Ad			- 7767 Py Vi+O7 - 8047 - 9082 - 92 Py Car V - 250° W-3 cm - 82 30 - 36 Py Des	© ® ®	7770 80- 820	2012 1 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Ad Ds/Ad	Sectors Pork		- 860 - 50 - 8100 - 33 - 8150 - 35 - 8150 - 90 - 9160 - 90 - P) W/Her - 5673 - 8745	(a) (a) (a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d
90-	v l		Stop	Ŝi .	9420-950 W + 624 W + 5 ca S420-950 Py Du + 62 Y 250' G2 Py V W + 1 tar 250' 9745 W + 1 tar 250' 9745 W + 1 tar 250'	9 9 9	90-	675755	Ad	Pel Crn Cry Blacked Stop	Crs Arç	- 9725 - 30 Cof VI + Py	(8)

Fig. 11-4-12 Drilling Log of Area E1 (2) E1-3, E1-4

Depth	Column		Geology	/ 1	T. at	Sample No.	Depth	Column		Geolog	у 	<u> </u>	-
(G)	ŝ	Rock Nome	Description	Alteration	Minerali- zation	Sam	<u>=</u> De	3	Rock Name	Description	Alteration	Minerali- zation	1
			·					\bigvee					ļ
-		\$011	·					Λ			1	1	Ì
								(mm)	Soli			1	l
	V						٠,	$\setminus /$	Lo	Nea Cors	}	÷	ļ
10-	$ /\rangle$		Nan Core	1]	'	10-	Λ		, real Core	1	1	١
				1			0.41	Υ—-, 7					
		La	* **					> 7		Wealtered Ad	Wat Cuy		
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20 -	X					:	50-	, N					
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1			and the second		İ			L >	Ad.		1	ļ	l
				İ] ,			> .k					
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170	1 >	8)F?	•	Si Zone ?		0		> v		·]	I
270 120	~ 4	P	HD-Pi Parphyry Py http					۷ >				1448 Han M Nam	
495	7 V			30 50 ~~	35.85 Has No 35.50 37.0 Kmr Nw	@		> 1				3550 Hms	1
	< v		41	White City Alterprises	2270	3	3740 3800	4 <			D Arps	- 3860-30Her V	
10-	1 1	·	Hot Y~ VI Nor	~ 430	3980 Heri Aliw 24080 Heri Aliw 212788 Heri Aliw	(4)	40-	۸ ۷				39.85 Hm. V	
	6 V			}			4 65 4735	1 <			Siepy	1 45 Km.r	ļ
3 25	¥		Shear Zone	- 4525 Clay Alt - 4650			4420 4520	**************************************		Shede Zong 250°-60° Pl Porphyrac Tex			ĺ
	< '^	AΔ	Purity Con America Ad	4650				۱ ^ <				-	Į
i0 -	v <		: .		- 4350-80 Py lang Oz VI	6	50-	< 3	*	•	Gra City Moretal		l
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365 454	× × ×		Gri Gn Ad Porthy Fy 12	Si Col Zone	∠60*	T		<		Locally Contained Ot Phins	5500 Not Co Zone		l
590	, N		ge (60)*	r]			7 <		Drik Gira bled Ad Portly Py Ing			
	< , v		. •	<u>E</u> s	- 5856 Car Cz Vi 235° - 5973 Car+Py Vi 6015 Car+Py Vi			1 <				2960 - 77	١
-0	7 4		· ·	l ·	- 6235 CG VI		60~	< ^ 4	Ad	•	-	Si Py 260* 833-33 07 Py V W45c: 230*	4
	< "V				240*		::.	1 <	·		1.	- 6520 Dt V - 7:3 cm 240"	١
	۸ ۲		•	 -				< ' V					
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0-	2 4 4 4	,		!	W-2 tm 250* - 7060-65	(9)	70-	4 1 4 4					
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	< 1						74.50 74.50	1 <		45° Dy Fe TF or S/I		- 7310 Py Oz Cal	Ì
	ν ₄			·	}			< ∰				- ¢al Q1 240-60*	
30-	< 1.1		5% Dorted (mare) Ad				80-	۸ ' <	Ad				l
	1 «				- 8217 Car V 250*			< V				- 81.00 Py VI 450*	
	< 1 N	Ad			- 8465 €ar v			1 <	:	Ork Gen Gry Med			¦
540 730	5 A P				Wilen ∠50+	(0)	66 02	7 4			.	– 8502 -05 Рузтр	ļ
	7 1					0		7 < . V . J		1			I
10-	< y		·			(B)	90-	1 4		Ork Gen Fin Se or Ad	9167	- 9097 Fy Ing	١
.	1 <		Py Mineralisation. Accompanied with Call Oz. VI. New	:	92/2-5/1y hp 0:5337-5/Py hrp 54/00-0 Py hrp 94/45-50/Py hrp	(CE)		< ^	Bs/Ad	Lecally Contended	93.35	+Py Diss	١
	< V			,	94.45-35Py Imp 9504-39 Car V 260 95.40-45 Py Imp			1 ×		•	2056	1 .	
	1 <		Ory Grn block Ad		9850 Fy Imp	(6)		- 1			Cor ·	+fy Dµ	
87	< 4		Gy Grn Med Ad		<u>.</u>		1887	v <		Stea	3916	_	

چ	Ē		Geology	/		9 9	£	E E		Geology	Geology		
3 Depth	Column	Rock Name	Description	Alteration	Minerali- zatlon	Sample No.	3 Depth	Column	Rock Name	Description	Alteration	Minerali- zation	Sample No.
		Sol1							Soll	Redaish Bro			1
3,00							260 -			Weathered Completely to			
		La	Reddish - 8th - Fron Stripe Yellowish Lim Hest						Lo .	Ederile With Black from Oxida			
10							10-	1 1	:	Weathered Broken Red Percus Basolt / Andesse	:		
	v	Seil 	Stine Altered/Westporest Baself, 6r					1 7		Graish Popus Foces			
	< >·		Andeste, Gra + Reddish Dra Gra with Smell Vasicles	White Clay Materal Vela		ļ		1 N	Bs/Ad				
20-	> . < - ^		∠50° Vein				15.75- 20-	1 4		-** .	- acg-1	- 19 48 F1 - C2 V 255°	0
	V > X	Bs (Ad)	Andquise Porcus Vessiles & Liom B Non-Magnetic					A 1				- 2196 Ct + CN 260 ²	
	< ^ >							4 ^ A					
y Kjes	>							-#¥¥ . L L . L	De	Stepres Mate Attered to CH Gry-Red Attn + Chi Spots	- Arg-I CN		@
30-	> <						30-	<u> </u>	A4	Soundary #20° Ork Gra Parces			
32.80 34.80 34.40	1288	1	Shored Zone Rectifik Bin with Whit Spot Bik Iron Stripe Z 40°- 60°	Clay Minimal		0	N00	L L		Gey Gra QZ Phena Vaible			
37.80	L a L	Af	Porous Fixed with Fe-Ou Oz Porono OSam 6 Ontrol Boundary ZO-10		n32.60 Pr Film		78.88 78.88			infercal Perous Andesitic Facies		- 37,63 Qz-Fá-Os VI	
330°			Small Eaths of Si-Rock Mineralised with Py Ork Gro- Gry		37.60 Py Film in Crocks 39.40	2	³⁸³⁵ 40-	L L	6c			39.75-85 Fa-Ou 2.70-290 Fl Car Vi - 41.00-41.35 Veri Fræl with Or Fy	
	L	De	Oz Franc Visible Pi Altered Vert Coi Vening Oxdored		43 88 Cd Ven	③	4165	ני ני	1			Vert freel with Or Py	1
	L L L		Tan Co Years Orvito	S ₁	4468 (77 Vish W = 2 tm 250°		45.05 46.16	V A V	Bif/Ch	Court Bodding C30°			3
4933 50	L L		Fault / Vaining Edensely Octobed			•	49 79 47 65 48 62	L L		Front Fout/Front Fa-Ox Res Zont	-Sar/Pyr		0 0 0 0
50-	L E		Gayish Gra. Med, Schooled				‰€ 20-	. L		Gry-Grn Wed Cz Pteno Bearing			Õ
	L L				-545 Cat Ven			: L, L, L, L,	Dc			· .	
	L L				ar a filipa			L L L L					
60- 60-	l		Si-Venny Front Filed With Durdies's Mineral		59 25 P ₁	(3)	60-	L L L		froct Fe-Ox Ve-o			
1	L L			1 4.1	62 41 Py Crochs 62 41 Py 02 Vea W:05.00		6160	> <		Sing Grained Ad - Bs Qz Fisero Rate		- 62.72-77 Py & Oz Un o zed W: 3 km 450° 64.60-6535	•
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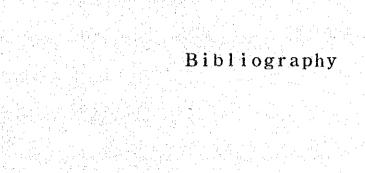
Fig. II-4-14 Drilling Log of Area E1 (4) E1-7, E1-8

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Fig. II-4-15 Drilling Log of Area E1 (5) E1-9, E1-10

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Fig. II-4-16 Drilling Log of Area E1 (6) E1-11, E1-12



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