Depth (m)	0~3.10	3.10~7.40	7.40~180	180~ 351.00
Mud Water	Bentonite m	ud water	Libonite mud w	ater
	Libonite mu	id water	Cutting oil	
Bit Exchange (pcs)	HXSW(1)	NQWL bit(1)	NQWL bit(4)	BQWL bit(4)
Pump Pre. (kg/cm²)	2~0	1~ 2	2~ 3	4~ 10
Pump Feed (ℓ/min)	70~ 80	70∼ 80	60~70	50∼ 60
Pump deri (ℓ/min)	o	0	0	0
Bit Pre. (kg/cm²)	500~ 800	700~1,000	800~1,000	700~ 800
Bit Rot. (rpm)	100~ 150	100~ 200	200~ 250	200~ 250
Core Recovery (%)	33.3	41.9	92.2	97.7

4-4 Geology and Mineralization of Drill Holes

(1) MJT-9

[Geology]

0.00~ 3.00m: Surface soil and weathered andesite

3.00~131.80m: Mainly silicified basaltic andesite. Colour changes gradually from dark green to pale green at depth. There are well-developed fissures in the andesite. Basaltic andesite has undergone propylitization and partial silicification. Altered minerals mainly consist of chlorite and epidote. Pyrites are embedded along fissures, magnetites occur as disseminations.

131.80~ 180.00m: Dark green basaltic andesite. The rock has predominantly undergone chloritization. Mineralization of pyrite and magnetite become stronger than the above mentioned range.

180.00~ 182.20m: Dark green chloritized and silicified basalt. The rock is hard and massive because of contact with granodiorite. Very minor amounts of disseminated pyrite are observed.

182.20~230.00m: White and pale gray sericitized granodiorite. There are predominant amounts of magnetite, hematite and pyrite.

Tourmalines are observed in the brecciated granodiorite at 211.20m and 225.0m. Chalcopyrites also occur at 222.5m.

 $230.00\sim301.00m$: White and pale gray sericitized granodiorite. Sericitization gradually becomes weaker at depth. Although there is a little magnetite contained in the range from 202m to 250m, magnetites increase again from 250m to 287m.

[Alteration]

Under general observation, the shallow sections of basaltic andesite near the surface have undergone chloritization, and chlorite increases towards the deep section. Epidote is also recognizable with the appearance of chlorite. Below 182.2m, alteration changes to a white argillaceous zone. Thus the alteration is classified into two zones as follows:

- 3.00~182.20m: Propylitic zone consisting mainly of chlorite with accessory epidote and calcite.
- 182.20 \sim 301.00m: White argillaceous zone consisting of sericite with quartz and calcite.

[Mineralization]

Mineralization accompanying pyrite and magnetite is observed throughout, from surface to hole bottom, but generally is weak mineralization. Below 182.5m, magnetite and hematite are embedded along fissures and disseminated in the rock.

(2) MJT-10

[Geology]

- 0.00~ 0.70m: Surface soil, weathered andesite and granodiorite.
- 0.70~ 11.00m: Pale gray granodiorite. The rock has undergone slight epidotization. Predominant amounts of pyrite occur in fissures and as disseminations. Some magnetites are disseminated in the rock. The shallow sections near the surface has undergone limonitization along cracks.
- 11.00~ 19.50m: White and brown altered andesite. There are well-developed fissures; limonite and pyrite occur in the fissures. Epidotes are predominant. Part of the contact with the granodiorite is brecciated.
- 19.50~ 49.10m: Gray and pale green granodiorite. The rock has undergone sericitization and chloritization accompanyed by small amounts of epidote. Limonites occur in cracks, pyrites are embedded as disseminations. Especially predominant amounts of pyrite are observed in the part of brecciated granodiorite. The limonitic clay is observed in the range from 47m to 49.1m. A fault is considered to exist between the limonitic clay and the limestone which is below 49.1m.
- $49.10\sim351.00m$: White and gray limestone. The limestone is massive in the range from 49.1m to 200m, and gradually becomes saccharoidal below 200m. There are skarn, siliceous/argillaceous sections in the limestone. These rock facies are shown as follows:

MJT-9Lithology Mineralization Depth Geol Alteration Log Hem Ch Ep Mag Ser 0 0 0 0 3.00 Regolith ٧ -30 ۷ -60 ٧ Dark grey -90 bazaltic andesite -120 ٧ -150 ٧ Ÿ ٧ -180 182.20 -210 White - grey -240 granodiorite -270 +

Fig. 68 Geological Log of MJT-9

01-TLM

				MOI-10			
Depth	Geol	Litholo	gy	Mineralization	<u> </u>		ration
	Ton			Skarn Ma Py	Ser	Ch	Ep
	100	Altered gran			1		· · · · · · · · · · · · · · · · · · ·
ł	+ +	Han Allerea gran	oatorite	į		1	i ·
	v v	11,00 Altered and 19.50	lesite		ļ		
İ	<u>v</u>	19.50	100110	į į			· !
	17				i i		i
-30	+ :			ii	ļ		
1 00	+	Aitered gra	no diorite	į	İ		i i
I	+	Milored gru				ŀ	!
1.	+		!	i i	li	l	
F		49.10		_	į		
		- TB.10			i		i
-60			:	•	İ		
-60			ļ	l	i		
Į.	-, -, -		i				Į
•					· •		
r				8			
			į		İ		i
			1		1		
-90					1		
į					į		1
					1		
-		Massive lime	stone		. 1		
1			· · · · · · · · · · · · · · · · · · ·				
1				9			'
-120			1		1		
			1		i		j
1			:	•	į		
-			:		ļ		
					i		
ļ	111		ļ		į		ţ
−I50							
1.00	}				į		i
ı							
			į		i		
1					ļ		
-180			į	Α			
160	1717	·			}		\
1					1		
i				_			
Γ				•	į		
		200,00			•		
0,0					İ		
-210	1-1-1-1						
		,			<u>!</u>		
1					l 1		
Γ				=		. ,	
ŀ			į				
1 040					i		
-240			:				
			i		1		
	+		!		į		
-	H		ì				
		•	:		1		ì
		Canabausidal			1		Į
-270		Şaccharoidal li	mesione		1		
			Ī		•		i
	177		į		1		•
+					ļ		
1			ļ		ŧ		Ì
1			Ì		į		
-300			ì		j		
1					1		ļ
	H		!		1		
-			į		ļ		
1	1		l		į		
1			1		f .		
330			i	•	i		
- 330			1	•	i		Ì
1			ì		1		
1			İ				
351	\vdash				1		
							

Fig. 69 Geological Log of MJT-10

Skarn	Siliceous	Muddy / Argillaceous
* 49.10~ 53.30m		53.50~ 57.00m
59.50∼ 62.50m	* 62.50~ 64.70m	57.00~ 59.50m(Limonitic clay)
64.70~ 67.00m	* 79.70∼ 81.70m፠	67.00~ 67.50m(White clay)
*113.20~117.25m%	117.25∼ 118.80m፠	* 97.20~ 99.40m
	*130.25~ 131.00m	128.40~ 130.25m
		148.80~ 150.00m
		150.70~ 152.60m
		162.40~ 163.50m
	178.70~ 179.10m	169.00~ 170.10m
	194.40~ 195.20m	187.00~ 191.30m
	*215.30~ 216.20m	
	*217.05~ 219.50m	
·	225.00~ 226.50m	*317.40~ 320.50m
	*332.80~ 335.10m	*340.70~ 346.00m
	*350.50~ 351.00m	

* :Chemical assay

※:Accompanying malachite

[Alteration]

Rocks of the drill hole consist of andesite, granodiorite and limestone. The andesite and granodiorite have mostly undergone sericitization, chloritization and weak epidotization. The limestone has undergone sericitization and montmorillonitization.

[Mineralization]

Mineralization with pyrite and magnetite is emplaced in the andesite and granodiorite. Malachite is observed in the skarn and the siliceous part of the limestone.

(4) Assay Result of Core

Drilling survey of the third phase was conducted in two holes, totalling 652.00m in length. Results of chemical analysis of 64 core samples collected in MJT-9 and MJT-10 are shown in Table 35.

4-5 Relationship between Drilling Results and Geological Data

(1) Altered Granodiorite

The granodiorite is classified into two types by differences in the form of intrusion and mode of alteration. One was intersected by drill hole MJT-9 and distributed in large scale under the surface. Another was intersected by drill hole MJT-10 and distributed in small scale on the surface. The two types of granodiorite are summarized in the following table;

Table 35 Chemical Assay Result of Drilling Core in Karadağ Area

(Unit:ppm)

						(Olli Cip
	Sample	Cu	Zn	Sample	Cu	Zn
	0007	680	154	0016	20	12
į	0017	30	21	0023	78	22
	0030	. 17	12	0032	132	29
	0034	151	112	0039	37	60
	0040	155	32	0045	510	17
MJT-10	0063	1.07%	72	0064	4920	73
į	0081	4660	181	0096	580	13
	0099	84	122	0106	34	16
	0117	1.35%	0.92%	0131	1.30%	6320
	0216	245	680			

(Unit:ppm)

	Sample	Cu	Zn	W	Sample	Cu	Zn	W
	0219	52	100	1	0289	485	104	1
	0292	20	14	1	0302	20	8	i
MJT-10		36	54	1	0335	47	- 8	1
	0340	39	. 5	1	0346	23	30	1
	0348	. 9	15	1	,		•	
	9037	16	13	1	9183	41	11	7
MJT-9	9185	26	36	11	9196	12	15	3
	9202	10	33	1	9223	22	6	2
	9230	20	. 7	1 .	9300	17	17	2

(Unit:ppm)

							•	- L 1)
	Sample	Cu	Zn	Мо	Sample	Cu	Zn	Мо
	9187	9	8	1	9191	73	21	1
	9193	8	35	. 1	9198	21	14	1
	9207	14	6	1	9212	26	31	1
	9216	24	19	1	9234	14	11	1
MJT-9	9239	14	28	1	9243	9	9	1
	9246	32	26	1	9250	21	14	1
	9254	138	32	6	9257	20	16	1
	9261	25	16	1	9265	57	18	1
	9274	41	43	1	9280	34	39	1
	9288	28	48	1	9295	14	33	2

(Unit:ppm)

						(o. F. E	
	Sample	Au*	Ag	Cu	Мо	Sn	Zn	W
MJT-10	0052	₹5	2.6	2000	1	1	33	1
	0351	<10	0.6	40	8	1	184	5
MJT- 9	9184	<10	0.1	17	1	1	24	16
	9214	<10	0.3	12	1	1	105	3

(*:ppb)

		Alteration	Mineralization	Accessory Mineral
MJT- 9	Vs	Pl → Ser,Kao Maf→ Chl	Pyrite Magnetite	Tourmalline Zircon
1101		nai - oni	Hematite	HITCOM
MJT-10	м	Pl → Ser Maf→ Chlorite	Pyrite	
		→ Epidote		

Vs:Very strong-altered M:Moderately-altered

Pl:Plagioclase Ser:Sericite Kao:Kaoline Maf:Mafic mineral Chl:Chlorite

(2) Andesite and Limestone (Zigana Formation)

The A! Member of the Zigana Formation consists of basaltic andesite, limestone and andesite in ascending order, and is widely distributed in the Karadag Area. Basaltic andesite has undergone propylitic alteration in MJT-9.

The andesite has undergone sericite-epidote-chlorite alteration at the contact with granodiorite in MJT-10. These rocks are accompanied with magnetite and pyrite. The lithology of the drilled core is the same in comparison as that of the surface.

Limestone consists of massive and argillaceous facies along Maden Dere, the lower part of which has undergone skarnitigation and is accompanied by copper mineralization. The lithology of MJT-10 is massive in the range of 49.10m to 200m, and gradually becomes saccharoidal below 200m. There are skarn, siliceous, and argillaceous facies in the limestone.

(3) Altered and Skarn Minerals

Altered minerals in the granodiorite (MJT-9), and altered and skarn minerals in the limestone (MJT-10) are summarized in the following table based on X-ray diffractive analyses.

ſ	Location	Country rock	M	Mix	Chl	Ser	Ka	Qz	Kf	Do	An	Еp	Ves	Ру
	MJT-9 183.0m	Granodiorite				0		0						Δ
	MJT-10 49.5m	Limestone				Δ	0	□?			Ο	□?		
	MJT-10 60.5m	Limestone	0.	Δ				□?		O		?		
İ	MJT-10 115.8m	Limestone	?	0				□?		0		<u> </u>		

M:montomorillonite, Mix:mixed-layer mineral, Chl:chlorite, Ser:sericite, Ka:kaolinite, Qz:quartz, Kf:potash feldspar, Do:dolomite, An:andradite

Ep:epidote, Ves:vesuvianite, Py:pyrite, ◎:abundant, ○:common, □:few, △:rare

(4) Geological structure

Rocks and formations have been displaced by fault movements along tectonic lines of NE-SW direction. Granodiorite intrudes along the tectonic line and extends widely in a north-south direction below the surface according to a geophysical anomaly and to the determined lithology of MJT-9. Although limestone was infered to be dipping $30^{\circ} \sim 40^{\circ}$ west and $100 \sim 150 \text{m}$ in width according to the geological survey, limestone in MJT-10 was dipping more than 50° west and was 200 m in width.

(5) Mineralization

The old Karadağ ore deposit located up the Maden Dere is embedded in the skarn zone of the limestone, and is accompanied by copper, lead and zinc ores. However, the geophysical survey could not directly clarify the emplacement of old Karadag ore deposits, because they may be embedded in the shallow part, oxidized completely, or small in scale. In the third phase, although two drill holes were conducted in the anomalous area expected to be dissemination-type mineralization and skarn type mineralization, we, unfortunately, could not find either mineralization zones

(6) Alteration Zoning

Zoning of alteration in this surveyed area is characterized by X-ray diffraction analysis and core sketch as follows;

	Depth(m)	Lithology	Alteration
MJT- 9	3.0~182.2	Basaltic andesite	Chlorite-Epidote
	182.2~ 301.0	Granodiorite	Sericite-Kaolinite
	0.7~ 49.1	Andesite, and	Sericite-chlorite
		Granodiorite	Epidote
MJT-10	49.1~351.0	Limestone	Montomorillonite
			Mixed-layer mineral
			(Chlorite-Sericite)

4-6 Relationship between Geophysical Anomaly and Mineralization

The IP method of the geophysical survey was conducted on seven survey lines 2 km in length with each line 300 m apart in an east-west direction. As a result, three high PFE anomalous zones were found at the east, south-west and south-east parts of the Karadağ area. The SIP survey was subsequetly conducted to survey these anomalous areas in detail on two survey lines H $(NE\sim SW)$ and I $(N\sim S)$. The survey results reveal the following:

- ① The three anomalies in the center, south-west and south-east parts of the Karadag area are expected to be disseminated type ore deposits.
- ② The anomaly in the center part of the survey area is expected to be a skarn type mineralized zone embedded in the limestone stratum.

In the third phase, two drill holes were conducted in the anomalous areas expected to be dissemination and skarn type mineralizations. The relation between geophysical anomaly and mineralization is summarized as follows;

MJT- 9; The hole was drilled to 301m through altered basaltic andesite of the Zigana Formation and granodiorite. Basaltic andesite (3~182.2m) has undergone propylite alteration with pyrite, granodiorite has undergone sericitized alteration with magnetite-hematite-pyrite. It is considered that the geophysical anomalies indicated pyritization in andesite and granodiorite.

MJT-10; The hole was drilled to 351m through altrered granodiorite and limestone. Granodiorite (0.7~46m) has undergone sericitized and chloritized alteration with pyrite. The limestone (46~351m) gradually changed from a massive to a saccharoidal facies. A partial skarn zone with malachite and pyrite occurred. It also is considered that the anomaly indicated weak mineralization of the skarn zone (Table 36).

Chapter 5 Conclusions and Recommendations

5-1 Conclusions

A skarn stratum was formed in the boundary between the massive limestone stratum and the underlying granodiorite. Granodiorite and quartz porphyry stocks have intruded along the NE~SW striking fault in and adjacent to the area of the skarn stratum. Disseminated mineral showings containing copper or copper-zinc of the Karadag Area are embedded in the skarn and the stocks. Garnet and epidote are the main skarn minerals in the mineral showing, but the amounts of specularite and magnetite are very small compared to similar ore deposits including the Belen Tepe ore deposit at a nearby locality. In the

Table 36 Results of Core Sample Measurement (Karadag Area)

						, .							
Alteration	-		čh~ep	də-uɔ	sericite		ch-ep	skarn,					
Minera-	ppm ppm lization		Py	Mag-py	Mag-hena		Py	Malachite	Massive	Sac	Sac	Sac	Muddy
W Mo	ppm		8	1	_		ι	_	ι	į	ι	i	l .
			2		1		1	1	1	1	_	-	ı
uZ	พดีดี		40 184	ł	43		32	33	13	i_	54	ω	1
Ş	แต้ต้		0,7	1	41		155	2,000	580	i	36	47	
Phase	spectrum		×	4	B, (A)		Ω	Ħ	Ą	ΙτJ	ĽΩ	Q	B, (C)
Resistivity Phase	(m-mho)		757	18,700	5,260		224	667	8,530	4,560	8,790	1,140	21,000
PFE	(%)		18.1	7.	5		16.6	0.7	0.1	0.9	7.1	8.2	6.2
Phase	(-mrad)		83.2	7.8	40.5		0.66	8.2	0.5	7.7	11.5	41.1	43.5
Rock			Andesite	72.5 Andesite	273.5 Granodiorite		Granodiorite	Skarn	Limestone	Limestone	Limestone	Limestone	Limestone
No.Location	(m)	MJT-9	36.6	172.5	273.5	MJT-10	39.2	51.0	96.0	235.0	319.0	335.0	344.5
No. I				7	က		~#	Ŋ	9	7	œ	σ	10

Abbreviation ch : chlorite hema: hematite

ep : epidote mag : magnetite

Py : pyrite Sac : saccharoidal

old Karadağ mine site, chalcopyrite and sphalerite are observed in outcrops and boulders, but most ores are oxidized and only secondary oxide copper minerals are megascopically visible. Cerusite was detected by X-ray diffraction analysis. A chemical assay of chip samples revealed that the many ore samples contained considerable zinc and copper in the order of 10%. Such an oxidized copper zone can be traced over one km along the N-S striking limestone. This limstone stratum is displaced by a fault in the central part of the survey area.

In the second phase, semi-detailed geological surveys and geophysical survey (IP and SIP methods) were performed on the promising ore deposit area extending into limestone, andesite and intrusive stock. As a result, three promising anomalous zones were selected. These anomalous zones were detected as PFE anomalies first by conventional IP survey. A detailed SIP survey was performed on these PFE anomalies.

Hole MJT- 9 was drilled in the area of the highest PFE anomaly. It was drilled to 301m through altered basaltic andesite of the Zigana Formation and granodiorite. Basaltic andesite (3~182.2m) altered propylite zone with pyrite, granodiorite altered sericitized zone with magnetite-hematite-pyrite. It is considered that the geophysical anomalies indicated pyritization in the andesite and granodiorite.

Hole MJT-10 was drilled in the area of a typical IP anomaly pattern. It was drilled to 351m through altered granodiorite and limestone. Granodiorite $(0.7 \sim 46\text{m})$ has undergone sericitized and chloritized alteration with pyrite. Limestone $(46 \sim 351\text{m})$ gradually changed from a massive to a saccharoidal facies. A partial skarn zone with malachite and pyrite occurred. It also is considered that the IP anomaly pattern indicates weak mineralization of the skarn zone.

5-2 Recommendations for Future Exploration

Further exploration is requested in the Karadağ Area. It is considered that the geophysical anomalies indicated pyritization in andesite and granodiorite, so an area apart from the geophysical anomalies should be explored by drilling survey. Drilling sites should be changed according to the results of preceding drill holes.

References

[Geology References]

- Akınci, O. T. (1985): The Eastern Pontide volcano-sedimentary belt and associated massive sulfide deposits. Special publication of the Geological Society No. 17, Dixon. E. and Robertson, A. H. F. (Eds.) Blackwell Scientific Publication. Oxford.
- Bateman, P. C. et al (1963): Professional Paper 414-D, U. S. Geological Survey

 Blackie (1985): A Practical Guide to Fluid Inclusion, Chapman and Hall, New

 York
- Bloom, H (1966) : Geochemical Exploration as Applied to Copper-Molybdenum

 Deposits
- Charles, S. N (1976): Porphyry Deposits of the Canadian Cordillera. CIM,
 Special Volume 15
- Chappell, B. W. and White, A. T. R. (1974): Two contrasting granite types.

 Pacific Geol. 8, 173-174
- Coolbaugh, D. F. (1979): Geophysics and geochemistry in the disicovery and development of the La Caridad porphyry copper deposit, Sonora, Mexico. Geophysics and Geochemistry in the Search for Metallic Ore. Edited by D. J. Hood
- D'Andria, I. (1940) : Gumushane kursun Yatagi hakkinda muhtira. Derl. No. 999

 Delaloye, M., Cogulu, E. and Chessex, R. (1972) : C. R. des Seances, SPHN Geneve

 7,43-52
- Dixon, C. J. and Pereira, J. (1974): Plate tectonics and mineralization in the Tethyan region. Mineral. Deposita, 9, 185-198.
- Gattinger, T. E., Erentoz, C. and Ketin, I. (1962): Explanatory text of the geological map of Turkey, Trabzon, 1:500,000, MTA
- Ishihara, S. (1977): The magnetite-series and ilmenite-series granitic rocks.

 Mining Geology, 27, 293-305.
- Ishihara, S. and Takenouchi, S.eds. (1980): Granitic Magmatism and Related Mineralization. Mining Geology Special Issue, No. 8, Soc. Min. Geol. of Japan, p. 247
- JCPDS(1980): Mineral powder diffraction file, Data Book, International Center for Diffraction Data.

- Kamitani, M. and Akıncı, O. T. (1979): Alpine granitoids and related tungsten-molybdenum deposits in Turkey. Mining Geology, 29, 341-350.
- Kovenko, V. (1937): Gumushane madeni hakkinda rapor. Derl. No. 399.
- Lemmlen, G. G. and Klevtsov, P. V. (1961) : Relations among the principal thermodynamic parameters in a part of the system $\rm H_2\,O-NaCl$. Geochemistry, No 2, $148\sim158$
- Lepeltier, C. (1969): Simplified statistical treatment of geochemical data by graphical representation. Econ. Geol. 64, 538-550.
- Mason, B. (1966): Principle of Geochemistry (Third Edition), John Wiley & Sons, Inc. New York.
- Nagano, K. et al (1977) : Fluid Inclusion Study og the Mamut Porphyry Copper Deposit, Sabah, Malaysia. Mining Geoligy, 27, $201\sim212$
- Nash, J. T. (1967): Fluid-Inclusion Petrology Data from Porphyry Copper

 Deposits and Applications to Exploration. Geological

 Survey Professional Paper 907-D
- Sannon, JR. S. S. (1971): Evaluation of Copper and Molybdenum Geochemical

 Anomalies at the Cumo Prospect, Boise County Idaho. CIM,

 Special Volume 11
- Sillitoe, R. H., Jaramillo, L. and Castro, H. (1984): Geologic exploration of a molybdenum-rich porphyry copper deposit at Mocoa, Colombia. Econ. Geol. 79, 106-123.
- Taylor, R. P. and Fryer, B. J.: Multiple-Stage Hydrothermal Alteration in

 Porphyry Copper system in Northern Turkey. Can. J. Earth

 Sci.Volume 17, 1980
- Takenouchi,S. (1962): Polyphase Inclusions in the Quartz from the Taishu Mine.
 Mining Geology, Vol. 12, No. 55
 (1978): Fluid Inclusions and Ore-forming Fluids of Porphyry.
 Mining Geology Vol. 28, No. 148
- Titley, S. R. and Hicks, C. L. eds. (1966): Geology of the Porphyry Copper

 Deposits, South-western North America. Tucson, Univ. Arizona

 Press, p287.
- Titley, S. R. and Beane, R. E. (1981): Porphyry copper deposits. Economic Geology 75th anniversary Volume, 214-269.
- Titley, S. R. eds. (1982): Advances in Geology of the Porphyry Copper Deposits

- South western North America. Tucson, Univ. Arizona Press.
- Turkish-Japan Joint Project(1977): Consolidated Report on Geological Survey of
 Trabzon area, Northeastern Turkey. Metal Mining Agency of Japan.
- Watanabe, M., Shimada, N. and Yoshida, T.: Fluid inclusion study on the granitic rock and possibly related ore deposits in the Tsumo mining district, southwest Japan. Mining Geology Special Ed. No. 9, P.145~162
- Waterman, G. C. and Hamilton, R. L. (1975): The Sar Cheshmeh Porphyry Copper Deposit. Econ. Geol. 70, 568-576.
- White, W. H., et al(1981): Character and Origin of Climax-type Molybednum

 Deposits. Econ. Geology 75th Anniversary Volume, 270-316.
- Yilmaz, Y. (1974) : Geolgy of the Gümüşhane Granite(Petrography). Istanbul Univ. Fen Fac. Mec. Seri B 39, 157–172.

[SIP References]

- Dey, A. and Morison, H. F. (1973): Electromagnetic coupling in frequency and time-domain induced-polarization surveys over multilayered earth, Geophysics, Vol. 38, P. 380-405.
- Hohmann, G. W. (1973): Electromagnetic coupling between grounded wires at the surface of a two layered earth, Geophysics, Vol. 38, P. 854-863
- Pelton, W. H., Ward, S. H., Hallof, P. G., Sill, W. R., and Nelson, P. H. (1978)

 : Mineral discrimination and removal of inductive coupling with

 Multifre-quency IP, Geophysics, Vol. 43, P. 598-609
- Hallof, P. G. and Pelton, W. H. (1980): The removal of inductive coupling effects from spectral IP data,. S. E. G. 50th Annual International Meeting in Houston
- Hallof P. G. and Klein, J. D. (1982): Electrical parameters of volcanogenic mineraldeposits,. S. E. G. 52nd Annual International Meeting

Geological Logs of MJT-4~MJT-10

Abbreviations of Geological Log

Rock name

Pgl: Altered porphyritic granite

Pg2: Unaltered porphyritic granite

Grano: Granodiorite
brecc: brecciated

Mineralization

diss: dissemination

Minerals

Qz :Quartz

Cp :Chalcopyrite

Ch: Chlorite

Py:Pyrite

Ser:Sericite

Mo :Molybdenite

Ep :Epidote

Cc :Chalcocite

Mag:Magnetite

Cv :Covelline

Alteration

⊙: Very strong

○:Strong

☐ :Medium

∴ Weak

Others

L :light

Dev:developed

N 1	(A) = 31	Y. jaka ta	Albanabian		N	17000	∪m^	- 50m	Dac
Depth	Geol Log	Lithology	Alteration	etc	Quartz	Vein mm	pambre	Assay	кеs,
<u>m</u>		· · · · · · · · · · · · · · · · · · ·	Bio Ser Ch E	<u>p An Fr</u>	No	Wd mm	_No	Cu	Mo
	+		↑ · ↑	<u> </u>	ļ <u>!</u>		335	0.248	0.00
	+	Limonitic Pg1		ĺ	1	10	000	012.10	
	+	(porphyritic)		}	····			***	
	+	(f13)		1			336	0.161	0.00
	+								
	+								
	+						337	0.185	0.00
	+			\					
10	+			7					
-	+				2	4	338	0.154	0.00
	+		0						
	+	Secondary copper	0					: '	
	+				1	12	339	0.191	0.00
	+								
	+						010	0.010	0 00
	+		,				340	0.213	0.00
	+ .		↓					-i	
20	+		◎ .	, , , , , , , , , , , , , , , , , , ,	1	8	341	0.250	0.00
20		20 Empoherno gano	O	□	<u>r</u>	O	341	0.230	0.00
	+ ^Δ	Fracture zone (clay-rich)	© ©	. (()	1	10	342	0.083	0.00
		22 (Clay-Lich)	, (© () ()		·		344	0.005	0.00
	+		1 1		}		343	0.088	0.00
	+						0.19		
	+	Pg1 with Mo-Cp	Ŏ				344	0.069	0.00
	+	along fracture	· ⊚	,					
	+		$\stackrel{\smile}{\uparrow}$				••••		
	+						345	0.080	0.00
30	· +	Diss Cp & Cc							
-	+	_		į					
	+		į	. []			346	0.151	0.00
	4	į	0	Δ					
	+		· \ \ \ \	1					
	, +		1 1		3	10	347	0.092	0.00
	+								
	+			↓				0 077	0 00
	+	1		\triangle	1	5	348	0.075	0.00
	+	No mineralization		. L	2	10			
40	\ \	in qz vein		Î	2	8	20	0.000	0.00
	+	,			4	15	349	0.096	0.00
	+	V C., C., 4:		<u> </u>	2	10			
	+	Cv-Cp diss		□ ^			350*	0.198	กกก
	+	Predominant		△	ļ		220"	0.170	0.00
	+	qz phenocryst		!	····				
	+	dz buenoci Agr			} -		351	0.080	ብ በበ
	+						331	0.000	0.00
	+		# !	i					•••••
50	+		ο Δ	Å	<u>}</u>		352	0.123	0.00
	1+	pb, Ag;2.6ppm, W;2			<u> </u>				

50m∼	100m
JUIL	LOOM

Depth	Geol	Lithology	A	lter	ation	1	etc	Quartz	Vein	Sample No	Assay	Res,
m	Log		Bio	Ser	Ch	Ep	An Fr	No	Wd	No	Cu^	Mo ⁶
	+	· ·	0	\triangle		-						
	+	mt t	ĵ,	Î			ĵ.	ļ <u>1</u>	5	252	0.001	0.000
	+	Biotite-rich		ì				ļ		353	0.061	0.002
	+	zone	l									
	+							ļ <u>.</u>]]	0.057	0.001
	+ .							3	5	354	0.057	0.001
}	+		į	}								
	+			į		-			15			
	+									355	0.049	0.001
60	+			į				<u> </u>				
	+			ļ								
	*			Δ						356	0.062	0.001
	+	Dark browenish	ļ	\circ			į					
	+ +	Pg1	1	\triangle								
}		(porphyritic)	0	↑						357	0.042	0.001
	+		$^{\circ}O$									
1	+		→ @ O O O O									
	+		0	į						358	0.024	0.002
	+		0	Δ								
70	+		Δ	0								
	+		Δ	0						359	0.050	0.013
1	* +		Δ	î								
	' ₊		Δ	Ì								
	₊		Ŷ		Δ		i	1	12	360	0.026	0.001
]	+		Ì		1		i					
	+			į								
	+			Ò				1	6	361	0.036	0.004
	+ :			$\tilde{\Box}$	į							
	+			^							- /	
80	+	•		i						362	0.031	0.001
- "				- }								
	+			1				1	20			
	+			Ť	İ		:			363	0.022	0.001
	+			Δ	$\stackrel{\mathbf{v}}{\triangle}$			}		***		
	+			\triangle			į					
	+		! 	0				<u> </u>		364	0.019	0.001
	+ _	·	, v	0				}				
	+		(Δ	0			}				
	` +		0	\triangle	Ŏ		;	·		365	0.020	0.001
90	+		0	Δ	Ŏ		•	}				
F "	+		Õ		Δ		i	}				
	+			<u>↓</u> 1	<u> </u>			}	· · · · · · · · · · · · · · · · · · ·	366	0.014	_
	+		□		^						0.013	
	+		! 		Å						• • • • • • • • • • • • • • • • • • • •	
:	+			İ	\triangle				· · · · · · ·	367	0.010	_
	+							}	•	307	0.010	·
	+	No mineralization	į į	l				1	10			
	. +		ψ (r—ı ∳			;			368	0 031	0.001
	+	in qz vein	Ň		Λ			<u>-</u>	10 8	200	0.031	0.001
100	+	Cp along fracture		0	\triangle		↓	2				
100	+		Δ	<u></u>	Δ		Δ			<u> </u>		

100m~150m

Depth	Geo1	Lithology	Alter	ation	etc	Quartz	Vein	Sample No	Assay	Res,
_m	1 1	,	Bio Ser △ ◎	Çh	Ep An Fr	No	_Wd	No 369	Cu^ 0.016	Mo [*]
	4			\triangle	\triangle			369	0.016	•
	+		\bigcirc \bigcirc		ĵ					
. :	• •			\triangle				270	0.010	
	+		◎ ↑	Ţ	`	ļ		370	0.013	-
	+		(O)	i						
	+		O					07,	0.016	
	+		Î 1	•			• • • • • • • • • • • • • • • • • • • •	371	0.016	
	+		. \triangle	\triangle						
	+		↓ 0	\Box				070	أبيما	1
110	+		00	Î				372	0.014	77
	+		\triangle \bigcirc							
	+		10	1						
	+		\downarrow O	į.				373	0.010	-
	+		\triangle O							
	+		\Box \triangle	Δ					11	
	+		î î	1				374	0.014	-
	+					1	10			
	+	L.grey~brown								
	, +	Pgl with py	↓ !					375	0.029	- [
120	+ '			;						
<u> </u>	+	.1	000	i						
	+	Cp along fracture	0	:				376	0.022	-
	+									
	*		1							
	. +							377	0.052	- }
	+									
	+									
								378	0.067	0.001
	+									
130	+	:								
	+				:			379	0.035	-
	+									Ī
	+									
	+	•					· · · · · · · · · · · · · · · · · · ·	380	0.024	0.001
1	+					1	4		-	I
	+ +					1	8			
	. +					1	4	381	0.029	-
	+]
	. +	1								
140	+	Qz network						382	0.049	_
 	+	7								1
	+									
	+					2	10	383	0.015	0.001
	+			į	<u>:</u>	···· ·			- 3 0 . 5	
	+	į	v v □ Λ	$\overset{\bullet}{\triangle}$	^	1	15	·	•••••••••••••••••••••••••••••••••••••••	
	· +	<u> </u>	ΔΟ	ر_3				384	0.013	0.001
	+ '				□	2	15	""	3.3.3	3.301
]	+			Δ] 				•••••	
	4		. —	Δ	*			385	0.048	
150	+		$\triangle \sqcup$	\Box					0.040	.
100	+				(۵					

150m~ 200m

Depth	Geo1	Lithology	Ā	lter	ation	etc	Quartz	Vein	Sample	Assay	Res,
m	Log		Bio	Ser	Ch Ep	An Fr	No	Wd mm	_No	Cu^	Mo ⁶
	+ +	The state of the s		△ ↑			,		386	0.162	0.001
	+	Diss Cp							387	0.094	0.003
45	+ +	. · ·							388	0.058	0.002
160	+ +				\triangle				389	0.015	0.002
	+ + +				↑				390	0.018	0.003
	+ + +	Pgl, alteration;							391	0.018	0.002
170	+ +	<pre>bio-ser-ch Mineralization;</pre>					2	4	392	0.025	0.003
	+ +	diss Cp+Mo, & Cp+Mo along fracture					5	6 10	393	0.034	0.003
	+	Qz vein; no mineralization					2	8	394		0.001
	+ +	MINCIGIES							395		0.001
180	+ +						1 2	6 30	-		**********
	+ +				.		5	10	396	0.025	0.001
	+ +			$\stackrel{\downarrow}{\triangle}$					397	0.058	0.001
190	+ + + +]]	□ ○ △		3	8 10	398	0.043	0.003
130	+ +				[399	0.043	0.005
	+ +	×.	↓ △ □ △ ↑:		$\stackrel{\downarrow}{\downarrow}$		5 3	30 10	400	0.276	0.003
	+ +	·					1	15	401	0.099	0.002
200	+++		↓ <u>△</u>	Ó	0	\triangle			402	0.052	0.002

200m~ 250m

Depth	Geol	Lithology	Alter	ation	etc	Quartz	Vein	Sample No	Assay	Res
m			Bio Ser	Ch E	p An Fr	No	Wd	No	Cu'°	Mo [']
	+		$\Delta \cup$	[_] *	\triangle		10			
	4		1 1	Ì	l !	1	10	403	0.041	0.005
	+	·						.00	0.011	0.005
	+	:]	`					
	+	•						404	0.083	0.003
	+									:
	4	·	įį	į						
	+		\triangle O				****	405	0.125	0.003
210	+			\triangle						10,11
	+ +		^ ^	Ì						:
	+	Pg1						406	0.233	0.006
	+	Alteration; bio-ser-ch								
	+	bro-ser-cn						407	0 188	0.004
	, +	Mineralization;						40,	0.100	0.004
	+	diss Cp+Mo, &								
	+	Cp+Mo along	1					408	0.285	0.004
	+	fracture	i i							
220	+					2	12			
_	+	Qz vein with Cp	\triangle \bigcirc			2	10	409	0.200	0.003
	+]		↑ ◎			1	10	1		
	. +		↓ ⊚							
	+ +		$\triangle \square$				· · · · · · · · · · · · · · · · · · ·	410	0.055	0.021
	+						· · · · · · · · · · · · · · · · · · ·			
	+						• • • • • • • • • • • • • • • • • • • •	411	0.120	0.012
	+		\triangle					4''	0.139	0.012
	+		₩ 1	ì			,,,,,,			· • • · ·
230	+		Ö	×		<u> </u>		412	0.068	0.004
-200	+		\uparrow]		
	+	: *		<u> </u>	i				****************	
	+	·		j		2	10	413	0.043	0.002
	+ +									
	+								-:	
	+			-				414	0.146	0.004
	+						·	[]		
	+					} -	· • • • • • • • • • • • • • • • • • • •	615	0 11/	0.006
240	+					j		415	U.114	0.000
240	+	Ì	\ \ \ \ \ \ \			 				
	+	}	$\begin{array}{c} O \ \Delta \\ \Delta \ O \end{array}$				•••••	416	0.081	0.009
	+					}	·		2,001	
	. +		Ì					[]	:	·
	+							417	0.155	0.004
	+]		
	+									
-	+ +							418	0.074	0.006
	+		↓ ↓	<u></u>	, ↓					
250	+		ΔΟ	<u> </u>	Δ	<u> </u>		<u> </u>	<u> </u>]

250m~	·301	m
430m. ~	JU	1111

No Control Sio Ser Ch Ep An Fr No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md Main No Control No Md No Main No Control No Main No Control No Main No Control No Main No Control No Main No Control No Main No Control No No Main No Control No No Main No Control No No Main No Main No Control No No Main No Control No No Main No	Donth	Cont	Lithology	Altor	ation	etc	Onarto	Voin		M~3UII	
1	hehm	Log	TITMOTORA	1.5	-	4	Yuar tz	10.00	r. Doubte	23397	W-%
1	<u> </u>			Bio Ser	Ch E	p An Fr	No	Wd	418	0.042	MO 0.005
260 +	·	i l		ΔQ	<i>(_</i> } ↑	<u> </u>			717	0.072	V+VU3
		+		O	i :	ľ					
1		+			į						0.000
1	` i	+	254						420	0.074	0.003
According tracture	·]		247		Ì		1				. 1
## Mo,Cp along fracture		+					2	10			
A		+							421*	0.084	0.008
260		+	Ho Co along								***************************************
260	.] \									 	
+ + + +		+	Iracture			<u> </u>					
270 + + + Coarse-grained + Pg1	L260	+		, t					422	U. 120¦	U. U20
270 + + + Coarse-grained + Pg1		+	-260.75	\triangle							
270	` \	+				↑					
+ + + +		*		^ ^	•			}i	423	0.049	0.010
+ + +		+					1	/ ₁			2.010
+ + + + + + + + + + + + + + + + + + +	.	+	▼					******			
1	1	+	Coares - grained		1				, , ,	ا م مما	0.000
1		+				, ↓			424	0.023	0.002
270		+					1	5		.	.,.,
270		+									
270		+				· 🗡	2	10	425	0.027	0.001
+ + Coarse_grained	270	+				<u> </u>	1		0		
+ Coarse-grained	-Z/0	+				1				 	
+ Pg1		+ -			•				100	ا م مرد	0.000
+ + + + + + + + + + + + + + + + + + +	-	+	_						426	U.U46	0.002
+ + + + + + + + + + + + + + + + + + +		+.	Pgl	↓			.,				
280 + + + + + + + + + + + + + + + + + + +		+		0							
280 + + + + + + + + + + + + + + + + + + +		+		Ĭ	-	;			427	0.031	0.009
280 + + + + + + + + + + + + + + + + + + +		+									
1 25 429 0.058 0.006 1 25 429 0.059 0.026 1 25 429 0.059 0.026 1 25 429 0.059 0.026 280		+	. 3								
280		+	·						/	ا م مدرا	0.00
280 +	.	+			i				428 	U.U58	0.006
+ + + + + + + + + + + + + + + + + + +		+					1	5			
+ + + + + + + + + + + + + + + + + + +	280	+									
+ + + + + + + + + + + + + + + + + + +		+					1	25	429	0.059	0.020
+ + +	.	+	•					<u>-</u>			
+ + +		. +			1						
+ + +		+						 	/20	0.076	0.001
+ + 286.60		+							430	0.0/6	0.001
+ 286.60		+		↓ ↓	•	↓ I				<u> </u>	
+ 286.60		+			į	Δ					
+ Δ Argillaceous zone		+	286.60	∧ :⊚					431	0.054	0.005
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		μΔ			•			• • • • • • • • • • • • • • • • • • • •			
290			×287.70								
Argillaceous zone Argillaceous	200						****		1.20	م مدما	വ വവര
Argillaceous zone Argillaceous	290		289.50	\triangle		(O)			432	0.009	0.003
Argillaceous zone Argillaceous		: 1		î		î ,					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u>.</u>		Argillaceous zone	ţ	į	↓					; l
300 + +		i. "I		(6)		. (6)			433	0.062	0.007
+ + + + + + + + + + + + + + + + + + +			293	\Box	:	_					ļ
$ \begin{vmatrix} + \\ + \\ + \\ -300 \\ \hline -301 \\ + \end{vmatrix} + \begin{vmatrix} + \\ + \\ - \\ - \\ - \end{vmatrix} $			·	\ \ !		رے 4				 	-
$\begin{bmatrix} & & + & & & & & & & & & & & & & & & & $		+		نا ا		:			1.21	0.050	0.000
$\begin{bmatrix} 300 \\ 301 \\ + \end{bmatrix} + \begin{bmatrix} \downarrow & \Box & \Delta & \downarrow & & \\ \Box & \bigcirc & & \Delta & 4 & 20 & 436 & 0.043 & 0.016 \end{bmatrix}$	-	+					· • • • • • • • • • • • • • • • • • • •		434	0.030	0.003
$\begin{bmatrix} 300 \\ 301 \\ + \end{bmatrix} + \begin{bmatrix} \downarrow & \Box & \Delta & \downarrow & & \\ \Box & \bigcirc & & \Delta & 4 & 20 & 436 & 0.043 & 0.016 \end{bmatrix}$		+	:							.	
$\begin{bmatrix} 300 \\ 301 \\ + \end{bmatrix} + \begin{bmatrix} \downarrow & \Box & \Delta & \downarrow & & \\ \Box & \bigcirc & & \Delta & 4 & 20 & 436 & 0.043 & 0.016 \end{bmatrix}$		+			į						
$\begin{bmatrix} 300 \\ 301 \\ + \end{bmatrix} + \begin{bmatrix} \downarrow & \Box & \Delta & \downarrow & & \\ \Box & \bigcirc & & \Delta & 4 & 20 & 436 & 0.043 & 0.016 \end{bmatrix}$		+	,		į		1	10	435	0.035	0.002
301 ₊ ⁺	300	+		<u> </u>	^	<u>.</u> .				1	
		+			<u>.</u>	×	7	20	436	ሀ ሀላፊ	0.010
^: Au; <ruppu, ag;u.="">ppm, w;zppm, Sn; ppm</ruppu,>		+ 10	anh AniO 5 U	200m C	. 1,,,,,			£0	730	0.043	0.010
	^: Au	(۱۷ کژ	ppo, Ag;o.sppm, W;	գ հ Ֆա, ջո	, ippiii						

Om∼ 50m

Depth	Geol	Lithology	A]	ter	ation	etc	Quartz	Vein	Sample No	Assay	Res
m	Log		Bio	Ser	Ch Ep	An Fr	No	Wd	No	Cu [%]	Mo ⁶
	+			Ò		\circ]		:
	4	Timaminia arairie		Î		Î		4*****	740	0.012	1
	+	Limonitic, sericit									
	+	porphyritic gran	ıte			`			741	0.022	
	+	(Pgl)							141	0.022	_
.*	+	Qz veinlets with									
	4	limonite							742	0.010	
	+	TIMOIITEC							'	0.010	:
10	+	1				ŀ			ļ		
'*	+	$\frac{1}{10}$ \sim 75m				ŀ			743	0.043	_
	+	Leached zone		ŀ					1		
1.	+	S :							1		
	+	Enrichment zo	ne			İ			744	0.052	
1	+					.					,
	+										
	÷	Cc as diss &							745	0.076	- :
	+	along with frac	ture								
	+										
20	+								746	0.049	·- :
	+										
	+								<u> </u>		•
	+					•			747	0.060	_
	+					:			ļ 		
	+			-							
	· _+								748	0.042	- '
	+										
	+			-					749	0.057	
20	+							- 	149	0.057	_
30	+				۸						
	` ₊				\triangle				750	0.036	
	+				!				130	0.039	
	+	•									
	+								751	0.031	0 001
	+	3 5.60 - 3 5.95							1	1	•
	+	Porous limonite					j		†·····		
	+					}			752	0.016	0.001
	+								1		
40	+	·									
	+								753	0.045	-]
	+					1			<u> </u>	:	
	+			1	;						
	+								754	0.036	-
	+			1							
	+			1	J .					أنمام	
	+				Δ				755	0.084	-
	+	. 1		1					 		
	+			↓		*			75/	0.055	
50	+			\circ		\cup	<u> </u>		756	0.055	

50m~ 100m

Depth	Geol	Lithology	Alteration	etc	Quartz	Vein	Sample	Assay	Res
m	Log		Bio Ser Ch Ep	An Fr	No	Wd	No	Cu^	Mo [∕] °
	+	·	ΟΔ	\mathcal{O}					
	+ +		֓֞֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	Î			,,,,,	0 004	
]			757	0.034	****
	+	54					}		
	+ '								
	+	Strong silicific	ation	ļ			758	0.048	
	+								
	+				,				
	+			1			759	0.030	- :
60	*	44							
	+	Qz veinlets along		l					
	+	with limonite &	Ру	ŀ			760	0.068	-
				İ] {		
1.	+								
	. +				1		761	0.045	
	+	•				**********			j
	+	Porous limonite		ļ					
	+	+ 67 / Ilmonite		*			762	0.059	-
	+	← 68							
70	+			1					i
上 "	+			Ó			763	0.017	0.001
	+			©				0.0	0.00
	+			⊗					
	+ +	Limonite along cr	acks	1			764	0.041	0.001
1]	 		dCAS	i 			704	0.041	0.001
	+	75		*					
	+	P!-b		<u> </u>			765	0.045	
	+	Enrichment zone		\mathcal{O}			765	0.043	
	+	•		Ţ		· · · · · · · · · · · · · · · · · · ·			
	+			· 1			700	0 000	
80	+	ļ		ľ			766	0.098	-
1	+								
	' +								
1 1	, '						767	0.129	0.001
	+								
	+							0.000	
	+					· · ·	768	U.262	0.002
	+				j			-	
	+				<u> </u>		_		
	+	;					769	0.223	0.002
90	+ +				<u> </u>				
	T +	Qz veinlets with	Cc & Py	l					
1	+ '			ľ			770	0.076	-
1 1	4			ļ		****			
	+	94.50 - 94.70		ľ	[
	Δ	← Brecciated Pg1			[]		771	0.076	-
	+			j					
	+								
	+						772	0.027	-
	+		į	į					
100	+		ÓÀ	Ò					
	لسنا		<u>~_</u>			**********	<u>_</u>		

//

100m~150m

									m~ 150	
Depth	Geol	Lithology	Alterati	on (etc	<u>Quartz</u>	Vein	Sample	Assay	Res
m_	rog		Bio Şer Çh	Fo	An Fr	No	Wd	No	Cu/	
315			ÖΔ	- Figure 3	· **	Y.	1,1,52	7 1 3	Cu ~ 0.038	
ł	+		γ γ		Ŷ				Ì	
	+	Ca allana amaalaa			1	••••				
	+	Cc along cracks	. ↓		Ý			,		
	+				νO.		}	774	0.128	
1	+	Qz veinlets with	((
	4	-			•	••••			· · - · · · · · · · · ·	•••••
		Py & Cc			Ţ:				: .	
- 1	+)	775	0.045	- 1
	4				.	**********				
	+	XT 1.				**********				
-	4	Native copper								
110	+	Native copper 109.60-109.70 'Brecciated Pg1						776*	0.063	_
-	4	- Secondary coppe	r							
		Secondary coppe	*		· V		· · · · · · · · · · · · · · · · · · ·			••••••
Ì	. +	!!2 —	(()					ļ
]	2			\circ			777	0.024	- :
	+		^		٨					Ì
	 +				¦					
	• +									
1	+				J		[]	778	0.028	0.001
1	+				} '				i	· \
	"									
	+									
j	+	•						779	0.023	-
120	+									
-120	+								••••	
	+					 				1
		Strong silicifict	ion					780	0.029	- [
-	+	J					1			
ľ	+					· • • • • • • • • • • • • • • • • • • •				
·	+				·					- 1
	+							781	0.040	-
ļ	+	ļ			1 1	/ 	ļ			
	+						1000			
1	+	 Qz vein with Py 	+Mo			1	20 (Mo)	782	0.034	0.002
-}	+	127.50			1			,		
										
130	1	-	1		1 1		1			}
	, T							783	0.024	0.001
Ì	+					·				
-	+				, j					
	+				. ↓		į			Į
	+	.77.00	\cap \wedge		\cap			784	0.049	-
]	09.5€1.→	0 <u>0</u>	٨	\sim					1
	V	Ţ.	O	Δ			ļ			
1 .	٧	Cc+galena	↑	Ť	^		.			Ì
	[v	Magnetite	Ì	;				785	0.045	_ }
1	v l						····-			
Ì		Very fine-grained					ļl			
	V	& along fractur	es i	į]			[
140	v	-	·				[786	0.056	_
+ 1	l vi		·]	;					-1000	
	v			1					 	
	ľv	Basaltic andesite	[1	10 (Py)			
l	1 1			į			[787	0.072	_
1	٧		:				}	, 5,	J. U. Z	.]
	V				:		ļl		 	
1	v		İ	į	} [-
	l v						···	788	ก กรว	0.001
1	V	£146.10		;	[]		ļ	700	0.052	0.001
	٧	Cp (wd; 5mm)	· !]]					<u> </u>
	[Y]	Cp (wd; 4mm)								
	٧	-r (1134)	I I	i			 	789	0.251	
	v	ا دد د ـ ـ ـ	· 🖞	*	<u>*</u>		ļ	109	0.431	I
1		449.50Cp-Sph diss	O	$\Delta_{\underline{}}$						
*: A11	: 5ppi	b, Ag; 0.8ppm, W; 12	ppm, Sn:lop	m						
	,	· , · · · · · · · · · · · · · · · · · ·	,,							

150m~ 200m

Depth	Geo1	Lithology	Altera	tion	etc	Quartz	Vein	Sample		Res
m	Log		Bio Ser (Ch Ep	An Fr	No	wein Wd	_No_	Cu [%]	Mo ⁶
	V V	Qz veinlets with	(O				790	0.128	
	v v v		† △ ↑] (~			791	0.073	_ ,
	V V	Magnetite		\wedge		1	10 (Cp)	792	0.154	-
160	ν ν		<u></u>					793	0.286	
	> > >	Dark green andesi	Le			1	4(Cp)	794	0.243	-
	v v v					1	10(Cp)	795	0.037	
170	v v v	î Strong silicif.						796	0.067	- 1 <u>- 1</u>
	v v v	-	<u> </u>					797	0.058	_
	v v		↓ △		↓ ⊚ ○			798	0.048	<u>-</u>
180	y ,	⊷178.90 Мад-Ср-Ру			↑ ↓ ○			799	0.052	_
	1	182.00			O Transport			800	0.045	-
	V V V	Dark green Basaltic andesi	te		↓ ⊚ ○			801	0.094	
	v v v	Fine-grained Cp-M	ag		Î 			802	0.042	
190	v v v					1	4(Py) 3(Py)	803	0.056	
	v v v	Magnetite						804	0.057	-
	V V V							805	0.053	0.001
200	v v	į.	(↓ ↓ <u>⊃ </u>	į O			806	0.034	

200m∼ 250m

Depth	Geo1	Lithology	Alteration	a	etc	Quartz	Vein	Sample	Assay	Res
ı nı :	1 .		Bio Ser Ch	Ер	An Fr	Quartz No	Wd	No	Cu″	Mo ⁶
	V V V		↑ ↑ ↑ ↑ ↑	△ ↑	1		<u> </u>	807	0.069	
	v v v	Dark green andesi	te					808	0.056	-
210	V V V V V							809	0.050	- .
	v V	211.70 (60°-70°)	↓ O	\triangle	į O			810	0.022	_
	V V V			:	1			811	0.008	
220	ν ν ν ν	Dark brown basalt dyke						812	0.017	_
_220	ν ν ν							813	0.009	<u>-</u>
	v v v	223.10	○ ↑ 		◎	1	15(Py)	814	0.112	0.001
	.V .V V							815	0.042	
230	V V V	41.						816		0.001
	У V V	Veryfire-grained diss Cp						817 818	0.062	0.002
	v v	Magnotite				7	3(Mo)	819		0.001
240	\ \ \ \			1	Y gallendary and the second se	1	6 (Mo) 5 (Mo)			0.002
	> > > >		 	↓ △				821	0.051	0.003
	1 1 1	246.00 White aplitic Pgl		\triangle	100			822	0.040	0.001
250	+	. •	ŎΔ		<u></u>					

Depth	Geol	Lithology	Alter	ation	etc	Quartz No	Vein	Sample	Assay	Res.
Depth m	Log					No	wa mm	No	Cu	Mo [%]
	v		Bio Ser	Δ	An Fr	110		No 823	Cu 0.039	_
	V	^	÷	ΟΔ	^]	÷	
	١٧ا			1 1	ļ					:
1	v V							824	0.058	0.001
	ľ v	Diss Cp+along fra	ctures							
	v	prop ob.eroug rre	o cur ob							
	ı v	Duranistad						825	0.066	0.001
	v	Brecciated				ļ		023	0.044	0.001
	1 1	basaltic andesi	te					ļ		
1	V									
260	V							826	0.134	0.001
	V					1	15 (Mo)			
	V									
	. V							827	0.030	
	٧									
	l v				i					
	٧					2	20 / 1/2	h~\ 020	0 115	വ വരാ
į.	l vl		\triangle				zo (no,	Cp) 828	0.113	0.002
	v		Ţ							
-	l v					2	10(Mo,			
	v							829	0.085	-
270	v									
	v									
	ľv							830	0.078	0.001
			į			1	4(Py)			
	ا ا		Å			}				
	V		\triangle					831	0.052	
	٧					ļ		031	0.032	
	V									
1	V									
	V					[832	0.092	-
1	٧					}		j l		
280	V									
-	v				1			833	0.042	-
ł	, v							1		
	v							ł		
	l v							834	0.057	
]	ν					ļ	10 (0.)		0.057	
	ľv			} ↓		ļ!	10 (Py)			
	v							ļ		
	, v] 835	0.050	-
	1 11			[]						
	V v									
290		Diss Cp+along fra	ctures	↑				836	0.357	0.001
-	٧	or						1		
	V									
	٧							837	0.050	_
1	V			1	¥	}		0.57	0.050	
	V							[]		
	v						ļ 			
1	v							838	0.058	-
1	· v				Ĭ					
1	v									
	v			j	.]. .].			839	0.080	0.001
300	v .		1	o o	o			- - -		
1 300	<u>v</u>	Pal(anlitia)	A .					840	0.079	_
L	+ +	Pgl(aplitic)	Δ O	Δ		<u></u>	L	040	0.079	

15

									~ 50m	
Depth	Geol	Lithology	Alte	ration	etc	Quartz	<u>Vein</u>	Sample	Assay	Res
<u>_m</u> _			Bio Se	r Ch E	p An Fr	No 2+α	wd 10	No	Cu"	Mo´°
	+	Limonitized)		• (0)	2+α	10	437	0.217	0.037
•	4	fined-grained						437	0.217	0.03/
1	+	porphyritic Pgl								
	+	(Diss Cp+Mo,py)			`			438	0.705	0.077
	+	(DISS CPTIO, Py)			1			.430	0.793	0.077
	+	6								
ľ	+	L.grey						439	0.718	0.041
	+ +	fine-grained Pgl					· · · · · · · · · · · · · · · · · · ·	437	0.710	0.041
10	T +	Time-Riginied 181				2	15			
- 10	-							440	0 494	0.025
. [+					}		140	0.474	0.023
	+						- •			
	+							441	0.3/0	0.024
	+		ļ		ļ	1	4(₩)		0.549	0.024
	+					3	10			
								442	0.253	0.023
f .	+							442	0.233	0.023
	+						10			
20	+	Secondary copper					10	443	์ ก ารก่	0.013
- 20	+	(Cc)				2	5(w)	.i	0.100	0.013
	+	(60)					(w)			
ĺ :	+						(w)	444	0.269	0.014
		•					5	****	0.245	0.014
ï.	+					<u>-</u>				
.]	+					<u> </u>	(w)	445	n 205	0.015
	+					·	8	445	0.233	0.013
	+			•		}				
	+	' 						446	บวดส	0.025
30	+							140	0.275	0.025
- 30	+									
	+	Diss Mo+Cp					. • •	447	0.361	0.015
	+	ртва потор							3.00	3.013
	+						(w)			
	+				į			448	0.389	0.013
	+					{ -		- , 🕶		
	+						(w)			
	4					1	<u>.</u> 5	449	0.285	0.009
	+						20			
40	+						8			
-	+	·	<u>"</u>		ji			450	0.285	0.010
	+ +	42			Ó	}				
		43	9							
		L.grey porphyriti	С		•		. 	451	0.117	0.003
	×	granite(Pg2)				·				1
	×	υ				ļ		[
	x ^	Weak alteration				[452	0.044	0.002
	×	(sericite-chlorit	e)							
	×	\	•		j.	1				
50	×						· · · · · · · · · · · · · · · · · · ·	453	0.043	0.001
	×				****	ــــــــــــــــــــــــــــــــــــــ				

50m∼	100m
~ VIII	LOOM

Depth	Geol	Lithology	Alt.	eration	etc	Quartz	Vein	Sample	Assay	Res,
m	1 1		Bio S	er Ch	Ep An Fr	No	Mq	No	Cu ⁶	Mo [^]
	××				- -					
İ	×									
]	ا با	53						454	.	0.001
	+		@)	(1	10	455	0.285	0.001
	+		Ŷ		ĵ					_]
]	+	L.grey Pgl]			456	0.185	0.006
	+ +	·	. :							
ì	+									Ì
-	+					1	8	457	0.244	0.010
60	+					2	10			
	+					2	8	<u> </u> 		
	+	."						458	0.292	0.009
	+							<u> </u>		
]	÷	Magnetite				3	10(w)			I
	+					3	10	459	0.372	0.017
	+					4	8			
	+	Diss Cp+Mo				2	4 (w)			
1	+				Ĵ	4	10	460	0.284	0.007
	+				(1	100			1
70	Δ +	Argillaceous zone			Õ	2	5			
	+				1	2	5	461	0.267	0.009
	+	Diss Cp+Mo			ĺ	2	8	1		
	+				j	2	4	ļ		
	+ '	No mineralization			Ò	2	8	462	0.299	0.019
	+	in qz vein			$\check{\otimes}$	1	4	1		
	+.	Aplitic	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		↑	1	10			
	+	npstcro			; }	/		463	0.340	0.008
	+	v						100		0.000
	+	Porpyritic			} -		(w)			
80	+	rorpyricic			Ö	1 1	8	464	0 253	0.008
- 60	+ +	· —	1		Ö			101	0.233	0.000
	+	Aplitic			Ö		(w)			
\	+	APITUL			0		<u>\"/</u>	465	n 395	0.019
	+	Diss Cp+Mo			⊘			403	0.373	0.017
1	+	DISS OPTHO			♦					
	+				l Å		(w)	466	0 313	0.009
	+						(")	1 400	0.319	0.007
	+ +									
l i	+		į				4	467	0.400	0.016
00	+ '		ļ		ļ	1		407	0.400	0.010
90	+				*]	6	 		
	+		Ì		⊚]	4	160	0 333	0.014
	+				O.		(w)	468	0.312	0.014
	+	·			т і 1	2	6			
	+		ļ		ļ			140	2 225	0.007
	+				<u>*</u>	1	4(w)	469	0.285	0.007
	+		į		Ó					
[,	+		Į.		© ©					
	+				(<u>©</u>	ļ	(w)	470	0.374	0.010
	+		1		(ļ	 <u>-</u>	 		
100	+ _		(0)	0	1	6			

7

100m~150m

Depth	Geol	Lithology	Alter	ation	etc	Quartz No	Vein	Sample	Assay	Res.
L _m	Log		Bio Ser	Ch Ep	An Fr	No	_Wd	No 4/1	Cu^°	Mo [*] 0.010
	+		0	. •	(0)		: 	4/1	0.314	0.010
	+		<u></u>		(O)					
	+	L.grey Pg1						ļ		
	+	e e e			,O			472	0.326	0.013
	+				Î					
	+ 1]]	15]	.]	
	` ₊							473	[0.150]	0.019
	+									
	+	1]		
110	+				-			474	0.200	0.006
	+		Ų ↓		↓					
	+		0		0			475	0.078	0.003
	+	112.50 (70° - 80°)								
	×							476	0.039	0.002
	×	·								
	×							477	0.022	-
	×	Mo+Cp along fr.						1 .		
	×									
	×	118.85Qz vein						478	0.016	-]
120	==	118.95						1.		
F	×									
	×		٠.				(w)	479	0.030	0.001
	×						\"/	177	0.030	0.00.
	×								•	
1	i i	#4500=						480	0.013	
	×	450 470 Qz vein						400	0.013	_
		r								
	××	L.grey Pg2				}		481	0 010	İ
	×					}	· • • • • • • • • • • • • • • • • • • •	401	0.019	_
1	×	Weak alteration								
130	×	(sericite-chlorit	e)				·	,,,,	0 000	
) ×					j		482	0.022	- 1
	×					ļ	<u> </u>			
	×					 				
	×						(w)	483	0.015	-
	x					ļ				
	×	135~137.5								Ţ
	×	Segregated qz						484	0.006	-
	×	Pyrite along								
	×	fracture							_	-
140	×							485	0.010	<i>-</i> . [
	×					ļ			<i></i>	
	^	÷.								. 1
1	x ^							486	0.016	-
	×					<u> </u>]]]
}	×									
]	×							487	0.004	- [
1	×								ļ	
1.	×		!							
·	×	·						488	0.007	-
150	×					<u> </u>				
L 30	لــــــــــــــــــــــــــــــــــــــ					!			1	

150m~ 200m

Depth	Geo1	Lithology	Alteration	etc	Quartz No	Vein	Sample	Assay	Res
m	Log	:	Bio Ser Ch Ep	An Fr	No	Wd	No	Cu [%]	Mo [%]
	×	152 Segregated qz	*				489	0.010	-
	× ×	153					490	0.020	
	×	L.grey Pg2 →Qz granodiorite				(w)	491	0.035	_
160	× × ×	Diss					492	0.029	0.002
	× ×						493	0.039	
	× × ×	·					494	0.029	-
170	× ×					(w)	495	0.036	<u>-</u>
	× ×						496	0.028	- <u>-</u>
	× ×	175.50 Mo 175.80 Mo 176.00 Cp					497	0.067	0.001
180	× × ×						498	0.033	
	× × ×	Hornblende Biotite					499	0.049	-
	× × ×	→chlorite				(w?)	500	0.038	-
	x x x						501	0.039	
190	×						502	0.050	0.028
	× × ×						503	0.046	-
	x						504	0.062	-
200	x x						505	0.056	

Depth	Geol	Lithology	Alteration	etc	Quartz	Vein	Sample No	Assay	Res.
m	Log		Bio Ser Ch Ep	An Fr	No	Wd mm	No	Cu	Mo [%]
1	×								
	×								
	×				<u>,</u>	(w)	506	0.044	
	×	·		ν.					
	×								
	×						507	0.020	
	x x	208.55 Diss Cp							
	×		÷			(w)	508	0.016	}
210	×					· • • • • • • • • • • • • • • • • • • •			
	×	. •							
	×						509	0.022	
	×	L.grey Pg2							·
	×	.'					F10	0.006	
	×				· · · · · · · · · · · · · · · · · · ·		510	0.036	0.001
ľ	· ×								
	×							0.000	
	×						511	0.020	-
000						- * *			
220	×						E10	0.042	ſ
	×						512	0.042	-
	×								•••
	×						513	0.053	_
	×						1313	0.033	_ [
	×								
	×						514	0.038	
	×						314	0.030	
	×								
230	×						515	0.053	_
-250	×								
	^ ×	Gypsum along crac	k						
	×	4),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					516	0.042	_
	×								- 1
	×	235.50 Mo-Py (3mm)							
	×	,,,				****	517	0.034	-
	l i								
	××							,	
1	×						518	0.011	-
240	×	239.90 Mo-Cp (2mm)							· •
	×	_{240.70} Mo-qz (14mm)							
	^ _]		
	× ^						519	0.014	-
	1 1	244				******	<u> </u>		
	+	Gradually change	\triangle O	Δ					
	. +	Silicified Pg1		1			520	0.283	0.008
	+		î Î	į	<u> </u>	• • • • • • • • • • • • • • • • • • •			
	+		, (Δ		(w)	521	0.227	0.008
	+		1 1						
250	+		ΔΟ	$\triangle \Delta$			<u> </u>	l	

henth	Geal	Lithology	Alter	atio	n e	tc	Quartz	Vein		m∼301 Assay	
Depth	Ľŏg	птопотову	Bio Ser		Ep A		No	Mq mm		7	. 6
<u> </u>			pro ser	<u> UII</u>	_ <u></u>		100	(M)	No 522	Cu [~] 0.187	Mo 0.014
	+		1		1	` ↑		(w)			
	+	.*	Ì					******			
	+								523	0.193	0.021
	+										
	+	Silicified Pgl									
	+	Alteration;					2	15	524	n 252	0.010
	+	sericite,					\ .		J., T	0.2.32	0.010
	+										
0.00	+	anhydrite							525	0.200	0.021
_260	+	Mineralization							323	0.200	0.021
	+	;diss Mo+Cp						(w)			·
	+	;Mo+Cp along									
	+	fracture							526	0.170	0.015
	+	Gypsum along crac	k				1	5			
	+ +						2	4		·	
	+								527	0.261	0.008
	+						1	4			
	+						2	8			
	+						1	10	528	0.161	0.007
270	+									:	
	+										
	+						1	5	529	0.245	0.011
	+								32)	0.2.13	0.011
	+										
	+			^					530	n 105	0.005
	+ .			\triangle				/\	550	0.163	0.003
	+			Ţ				(w)			
•									F01.1	0.044	0.000
:	+							(W)	531*1	0.264	0.008
	+						4	10			
280	+										
-	+			i				(w)	532	0.268	0.005
	+		Ů ↓	į			1	20		·	
	+			Δ			1	30			
	+ {		$\tilde{\triangle}$						533	0.130	0.005
	+		<u> </u>	<u>†</u>						:	
	+	287.5 Mo-qz vein		İ							
	T	110 42 1011									
	+			j j		i	1	3(w)	534*2	0.241	0.010
	+		, v	Ψ̈	, ,	, v \	ļ <u>:</u>		33.	0.2	
290		289 (30°-40°)			Z	2 🔼					
290	V										
	١ ١	D1 - 1					ļ				
	V v	Black basalt									
	v I								505	0 000	0.001
	v								535	0.009	0.001
	v I		İ								:
	ν						<u> </u>	i 			
	l i										•
	١٧ - ا	(40°)					[
	. v	298.40 L.grey Pg1	0	\circ			}		536	0.092	0.004
300	+ +	299.90 Black basalt	l ŏ	Ŏ			}		537		0.001
301	<u>y y</u>	299.90 black basale 300.40 L.green Pg2		\cup		ئـــا	1		538		0.002
JUI	. X	MILLIOUN LAC						i	,		~ - ~ ~ .

Om∼ 50m

Depth	Geol	Lithology	Alter	ation	etc	Quartz	Vein	Sample	Assay	Res,
m	li	. :	Bio Şer	Ch E	p An Fr	No_	Wd	No	Cu^	Mo ⁶
	+	Limonitized Pgl (porphyritic)	\ \ \	$\stackrel{\triangle}{\uparrow}$	· · · · · · · · · · · · · · · · · · ·			539	0.060	0.008
	+ + +	- 	() () ↑	Δ				540	0.038	0.024
	+							541	0.181	0.013
10	+ + +	L.grey Pgl	3. 2227-11-2-17-1-17-1-17-1-17-1-17-1-17-1		©			542	0.270	0.022
	+ +	(sericite)						543	0.112	0.009
	+ + +							544	0.164	0.013
20	+	Predominant Py veinlets						545	0.164	0.012
	+++	25				1	10 (Py)	546	0.195	0.009
	+ + +	Ribbon structure (untill 254m)	• • •	△ ↑ :	⊚			547	0.251	0.015
30	+		₹ •••••••••••••••••••••••••••••••••••					548	0.131	0.014
	+					1	10(Mo)	549	0.142	0.033
	+ +	Secondary copper		↓ △				550	0.141	0.007
	+ +	(Cc,Bo)			↓ ○	1	20 (Py)	551	0.130	0.003
40	+	<u></u>		Δ	© © O		30 (Py)	552	0.093	0.009
	+	Aplitic) (1	15(Cp)	553	0.093	0.004
	+ + +				⊚ ↑	1	2 (Py)	554	0.313	0.015
50	+	Magnetite	Ŏ	<u> </u>	⊚_			555	0.141	0.015

			50m-		
on etc	Quartz	Vein	Sample	Assay	Res,
Ep An Fr	No	Wdmm	<u>No</u>	Cu ⁶	Mo^
, (O	11	Wd""" 20 (Cp)			
1					
. #			556	0.104	0.007
}					:
	1	15 (Mo)	557	0.048	0.020
ij					
i			558	0.050	0.002
:					
			559	0.054	0.002
i					
			560	0.040	0.002
	}	ļ	300		0.002
			561	0.060	กาดอ
			301	0.000	0.002
İ			562	0 072	0.003
			302	0.072	0.00.
	1	10 (Py)	563	0.000	0.003
	ļ	io(ry)	203	0.002	0.000

		·	561	0.061	0.007
ļ	ļ		564	0.001	0.004
	ļ		• • • • • • • • • • • • • • • • • • • •	ļ	
			565	0.00	0.010
		<u> </u>	565	0.065	0.010
·					
	ļ]	F. C. C	0.57	0 00:
į			566	0.076	0.004
	ļ				
the spanning of			567	0.070	0.008
			568	0.070	0.012
		<u> </u>			•
j				[

Depth Sec Lithology Alteration etc Ric Sec Ch. Rp. An. Pr. No. 24 (Cp.) No. Ca. Mo. No. Ca. No. No. Ca. No. No. Ca. No. No. Ca. No. No. Ca. No. No. Ca. No. No. No. No. Ca. No	Donald	المحمد	Lithalans	. A 1	tane	ation		oto		Marta	VAIA	Samola	V 100m	Ros
1 15(Mo) 557 0.048 0.02 1 15(Mo) 557 0.048 0.02 1 15(Mo) 557 0.048 0.02 1 15(Mo) 557 0.048 0.02 1 15(Mo) 557 0.048 0.02 1 15(Mo) 559 0.054 0.00 1 15(Mo) 559 0.054 0.00 1 15(Mo) 559 0.054 0.00 1 15(Mo) 559 0.054 0.00 1 15(Mo) 559 0.054 0.00 1 15(Mo) 15(Mo) 0.00 1 15(Mo) 15(M	peptn	reo i	Lithology	AT	rera	ation		erc		Quartz	AGIII	pambre	ASSAY	Kes,
1 15(Mo) 557 0.048 0.02 1 15(Mo) 557 0.048 0.02 1 15(Mo) 557 0.048 0.02 1 15(Mo) 557 0.048 0.02 1 15(Mo) 557 0.048 0.02 1 15(Mo) 559 0.054 0.00 1 15(Mo) 559 0.054 0.00 1 15(Mo) 559 0.054 0.00 1 15(Mo) 559 0.054 0.00 1 15(Mo) 559 0.054 0.00 1 15(Mo) 15(Mo) 0.00 1 15(Mo) 15(M	m	l		Bio	Ser	Çh	Ep	_An_	Fr	No	Wd	No	Cu	Mo
566 0.104 0.000 1 15(Mo) 557 0.048 0.02 558 0.050 0.000 559 0.054 0.000 560 0.040 0.000 561 0.060 0.000 562 0.072 0.000 564 0.061 0.000 565 0.065 0.010 566 0.076 0.000 567 0.070 0.000 569 0.069 0.010 570 0.074 0.000	:	1 1			(O)	$\dot{\triangle}$			(O)	ļ!	zu (Cp)			
1 15(Mo) 557 0.048 0.022 558 0.050 0.002 559 0.054 0.002 560 0.040 0.002 561 0.060 0.002 562 0.072 0.002 563 0.082 0.003 564 0.061 0.002 565 0.065 0.014 566 0.076 0.003 567 0.070 0.003 569 0.069 0.01 570 0.074 0.003 571 0.061 0.004 571 0.061 0.006 572 0.074 0.006 573 0.061 0.006 574 0.065 0.006 575 0.074 0.006 575 0.074 0.006 575 0.075 0.006 575 0.075 0.006 575 0.075 0.006 575 0.065 0.		l í			1	1			1					:
1 15(Mo) 557 0.048 0.022 558 0.050 0.002 559 0.054 0.002 560 0.040 0.002 561 0.060 0.002 562 0.072 0.002 563 0.082 0.003 564 0.061 0.002 565 0.065 0.014 566 0.076 0.003 567 0.070 0.003 569 0.069 0.01 570 0.074 0.003 571 0.061 0.004 571 0.061 0.006 572 0.074 0.006 573 0.061 0.006 574 0.065 0.006 575 0.074 0.006 575 0.074 0.006 575 0.075 0.006 575 0.075 0.006 575 0.075 0.006 575 0.065 0.	İ	4				:						556	0.104	0.007
1 1.5(Mo) 557 0.048 0.02 558 0.050 0.00 559 0.054 0.00 560 0.040 0.00 561 0.060 0.00 562 0.072 0.00 564 0.061 0.00 564 0.061 0.00 565 0.065 0.01 567 0.070 0.00 568 0.070 0.00 570 0.074 0.00 570 0.074 0.00		+				1								
1 15(Mo) 557 0.048 0.02 558 0.050 0.00 559 0.054 0.00 560 0.040 0.00 561 0.060 0.00 562 0.072 0.00 1 10(Py) 563 0.082 0.00 564 0.061 0.00 566 0.076 0.00 567 0.070 0.00 569 0.069 0.01 570 0.074 0.00		+	()											
558 0.050 0.000 559 0.054 0.000 560 0.040 0.000 561 0.060 0.000 562 0.072 0.000 564 0.061 0.000 564 0.061 0.000 565 0.065 0.010 566 0.076 0.000 567 0.070 0.000 569 0.069 0.01 570 0.074 0.000		+									1 5 () ()	FF7		
558 0.050 0.000 559 0.054 0.000 560 0.040 0.000 561 0.060 0.000 562 0.072 0.000 563 0.082 0.000 1 10(Py) 563 0.082 0.000 564 0.061 0.000 565 0.065 0.010 566 0.076 0.000 567 0.070 0.000 569 0.069 0.011 570 0.074 0.000		+				-				ļI	15 (MO)	357	0.048	0.020
558 0.050 0.000 559 0.054 0.000 560 0.040 0.000 561 0.060 0.000 562 0.072 0.000 563 0.082 0.000 1 10(Py) 563 0.082 0.000 1 10(Py) 563 0.082 0.000 564 0.061 0.000 565 0.065 0.010 566 0.076 0.000 567 0.070 0.000 569 0.069 0.011 570 0.074 0.000		+	:											
60		+												
60		+							į			558	0.050	0.002
+ +		+			1								0.000	0.00.
+ + + + + + + + + + + + + + + + + + +	_ 00	+				;					ļ			
70 + + +		+							i					
+ + + + + + + + + + + + + + + + + + +		4							Ì		İ	559	0.054	0.002
1 0 0 0 0 0 0 0 0 0		, '	•						į					
1 0 0 0 0 0 0 0 0 0		الد			1	•			i		 			
70 + + + + + + + + + + + + + + + + + + +		i. I							İ			560	0.040	0 003
To be a second of the second o					l	•						300	0.040	0.002
70		. *	•		d	•					 			
70		Ť .												
70		i 1										561	0.060	0.002
Solution Solution		+												
Solution Solution	70	+			1									,
# L.grey Pgl (aplitic)	_ /U	+	•		↓	i						540	0 070	0 000
# L.grey Pgl (aplitic)		+			(0)	į				ļ		562	0.072	0.003
+ L.grey Pg1		+	•		0	į								
# + (aplitic) # + + + + + + + + + + + + + + + + + +		+			1									
# + (aplitic) # + + + + + + + + + + + + + + + + + +		+	I gray Pal		İ					1	10 (Pv)	563	0.082	0.003
80		+								} :	10(1)/	303	0.002	0.005
80		+	(apilitic)									ļ		**
80		+												
80					ł				ļ			564	0.061	0.004
80			*			į			l]		
80 + + + + + + + + + + + + + + + + + + +		i							i					
90	00	٠ ا			1							S.C.E.	0.065	0.010
90 + + + + + + + + + + + + + + + + + + +	80	<u>.</u> ']			¥	\$			į		ļ	ر ود ا	0.000	0.010
90		'			O	Δ				 	 			
90		. +			(O)					İ	į			
90 + + + + + + + + + + + + + + + + + + +		*			Ŷ				ļ			566	0.076	0.004
90		+			i				ł]	Ì	
90		+			į					ļ				
90	}	+								 		F 6 3	0.575	0.000
90		+								 	ļ	56/	0.070	0.008
90	1	+												
90		+												
90		+	Magnatita		Ĭ				į			568	0.070	0.012
+ + + + + + + + + + + + + + + + + + +		+	nagneeree						l			500	0.0,0	0.012
+ + + + + + + + + + + + + + + + + + +	_ 90	+			Ì						 			
+ + + + + + + + + + + + + + + + + + +		+	•							l				
+ + + + + + + + + + + + + + + + + + +		+										569	0.069	0.011
+ †		+							ĺ					
+ †					ŀ				***					
+ †	1	+	į						Ä			F70	0 021	0.007
+		· .			ĺ				1			J/U	U.U/4	0.007
+		*												
+	' <u> </u>	т												
+		+			1							571	0.061	0.006
100 + +		+			Ĭ				III		}			0.000
100 +		+			↓				V					
	100	+			<u>(0)</u>				<u>(0)</u>					

See a g	MJT-7(3)				100)m∼150:	m
DepthGeo Log	ol Lithology	Alteration	etc	Quartz Ve	ein Sample	Assay	Res.
m +	+	Bio Ser Ch Ep	An Fr	No We	mm No (Mo) 572	1 61	0.012
.t	+			1 10	573 (Mo)	0.092	0.020
+	+	\triangle			(Mo) 574	0.077	0.055
110	+			1 2	(Mo) 575	0.011	0.011
+	+				576	0.094	0.011
+	+				577	0.074	0.011
120 +	+ Magnetite ↑ Aplitic			1 15	578 (Mo)	0.130	0.010
+	+ L anov Dal				579	0.148	0.013
+	L.grey Pg1 + (sericite)			1 25	(Py) 580	0.120	0.035
130 +	+ Py-Mo-Qz		:		581 (Mo) (Mo)	0.070	0.007
+	combination				(Py) 582	0.110	0.014
+	+			1 150	(Mo) 583	0.124	0.020
+	+				584	0.116	0.017
140 +	+			1 15 (Mo	585 (Cp)	0.145	0.008
+	Magnetite +			1 20	586 (Mo)		0.009
+	*			}	587 (Mo)		0.006
150 +	+ Porphyritic	↓	↓ ⊚	1 20	(Cp) 588	0.090	0.008

1	E0	000
- 1	50m∼	200m

Depth	Geo1	Lithology	Alteration	n etc	Quartz	Vein	Sample	Assay	Res
m			Bio Şer Ch	Ep An Fr	No	Vein Wd	No	Cu [%]	Mo [°]
	+			◎ ↑			589	0.112	0.011
	+ + + +	White~grey strong arg.Pgl			1	5(Mo,	590 Cp)	0.075	0.015
	+	(porphyritic)					591	0.083	0.010
160	+ + +	Py vein(wd:5cm, 160.5)		↓ ⊚ ○	1	5 (Mo)	592	0.153	0.023
	+	Magnetite(164.4)		○ ◎ ↑			593	0.142	0.027
	+ + +	Diss Cp+Mo			2 2	10(Mo) 5(Mo)	594	0.070	0.017
170	+						595	0.080	0.012
	+ + +	: .					596	0.137	0.019
	+ +						597	0.128	0.026
180	+ + +				1	5 (Mo)	598	0.116	0.016
_	+ +	Í					599	0.131	0.012
	+ +	↑ Magnetite ↓			2	4(Mo,	Cp) 600	0.138	0.016
	+ +		∅ △○ ↑○		1	2(Mo)	601	0.122	0.012
190	+ + +	†			2	10(Mo)	602	0.136	0.018
	+ +	Magnetite			1	15(Mo)	603	0.133	0.012
	+ + +		*				604	0.110	0.012
200	+		 ⊚	<u>⊚</u>	2	10(Mo,	Cp) 605	0.086	0.014

st

200m∼ 250m

Depth	Geo1	Lithology	Alteration	etc	Quartz No	Vein	Sample	Assay	Res
m	1	·	Bio Ser Ch Ep	An Fr	No	Wd	<u>No</u>	Cu'°	Mo [^]
	+		(O) 1	◎ .					
	+						606	0.146	0.010
	+						607	0.186	0.015
	+ +						608	0.154	0.017
210	+	I amou Dal					609	0.115	0.012
	+	L.grey Pgl (porphyritic)							
	+ +						610	0.170	0.018
	+ + +	Magnetite			1 1	5 Мо,Ср	611)	0.219	0.009
220	+ +						612	0.158	0.010
	+ +	^	↓ ⊚ O				613	0.194	0.016
	+		^				614	0.126	0.012
230	+ +	Predominant diss Mo+Cp					615	0.165	0.010
	+ +	1					616	0.171	0.009
700	+ +				1 2	0 (Py)	617	0.204	0.014
010	+ + +						618	0.215	0.014
240	+ +	. In the second	,				619	0.132	0.019
	+ +		↓ ○ ⊚				620	0.174	0.010
	+ +						621	0.200	0.007
250	+		Ο Δ ⊚		1 .	5 (Cp)			

Depth	Geo1	Lithology	Al	ter	ation	etc	Quartz	Vein	Sample	Assay	Res
_ m	Log						No	Wd_			
	+		1020	0		An Fr	200	11.59.	No 622	0.100	0.008
	+			1		1			ļ <u>.</u>		
	+			\downarrow		Ţ					
	4	254		0		0			623	0.145	0.018
	+	234	\triangle			Δ					:
	+		^	^		1]		
	+			į					624	0.115	0.006
	+			Ì					1		
	+ *								†		
260	+								625	0.137	0.026
	+	·		ı			2	10 (Mo)	.l		
	+			İ			1	5(Mo)	4		
ļ	+	L.grey Pg1		İ					626	0.110	0.009
	+	(massive,aplitic)					} -		1		
	+	(Maddire, aprilate)	į						†		
ļ (+	ļ		1			1	8(Mo)	627	0.064	0.005
	+							0 (1.20)	32,	0.00.	0.000
	+								ļ 1		
Į į	+			Į			1	20 (Mo)	628	์ ก ดรา	0.004
270	+						ļ	20 (110)	1 020	0.031	0.004
-270	+	Fine-grained							†		
	+	diss Cp+Mo							629	0 075	0.006
	+	gras chano	į	}			}		1027	0.013	0.000
	+			- [
	+			ĺ					630	0 053	0.006
	+	•							0.50	0.055	0.000
	+										
	+								631	0 077	0.013
	+			}					031	0.077	0.013
200	+	Via im ga miah									
280	+	Mo in qz-rich							632	0 120	0.005
	+	, .		Ĭ					032	0.130	0.003
	` +										
	+		•					 	633	0 122	0.005
,	+	ļ							033	0.122	0.003
	+							 	 		
	. +								634	0 169	0.023
	 								0.54	0.103	0.023
	+		#	Ì			1	10 (Py)	ļ		
200	· +					,	·	io(ry)	635	0 151	0.008
_290	+					\triangle	1	9 (Da)		0.151	0.000
	+						1	8 (Py)			·
	+						-	10(Py)	636	0 150	0.037
	+						2	Q (Der)		0.150	0.05/
]]	+ _]]	į				4	8(Py)			
	+		•				1	30 /D-+\	637	0 125	0.028
	+							20 (Py)		0.133	0.020
]	₊						<u>£</u>	10 (Mo)	}		
	+							10 (Py)			
000	+	<u></u>	:					10 (Py)	620	0.000	0.000
300	+ ;	↑	ļ	₩,		* *	1	10 (Py)	638	0.099	0.006
301	+	Porphyritic	\triangle	<u> </u>		$\Delta \Delta$	Li		İ		

Depth	Geol	Lithology	Alteration	etc	Quartz Vei	n Sample	Assay	Res.
m			Bio Ser Ch E	A 1 - 1 -	No Wd	m No	Cu	Mo [%]
	+		(, O		639	0.029	5 ² 1
	+	Limonitized Pgl		 		037	0.025	0.020
.]	+	(porphyritic)						
	+ +			`		640	0.046	0.013
•	+						:	
	+	1				641	0.057	0.026
	+						0.037	0.020
10	+	9.60		İ			:	
	+					642	0.240	0.006
	4			Ì				
•	-		 	ļ L		643	0.230	0.005
	+		Ö	Ŏ			0.200	0,005
	+		Ö					***********
	+ 		Î	Î		644	0.244	0.005
	+ '						•••••••••••••••••••••••••••••••••••••••	
20	+					645	0.144	0.004
	+							
	+							
	+					646	0.181	0.009
	· +				1 10(M			
	+	Secondary copper			1 10(11	647	0.176	0.029
	+				,			
	+							:
20	+					648	0 17.0	0.001
30	+ '					040	0.140	0.001
	+					649	0.190	0.001
	+		j					:
	+						0 200	0.001
	+ *					650*	0.200	0.001
	+							
	+					651	0.262	- :
	+	Predominant Cc		į				
40	+	→	V			652	n 917	0.006
	+	40 <u>.75</u>	^				0.917	0.000
	+	Aplitic	<u>^</u>	\uparrow				·····
Ì	+	_ ·		1		653	0.274	0.012
	+			ļį				
	+ +	Dark green Pg1	_			654	0 160	0.006
	+	Daty Ricch LR1	0	\Box			0.140	0.000
	+ +		↓ ŏ					
50	+	Magnetite	ΔΟ			655	0.200	0.007
*: Au	;<5p _]	pb, Ag;0.4ppm, W;1	Uppm, Sn;1ppm					

50m∼	1	00	m
------	---	----	---

Depth	Geol	Lithology	Alter	atio	n et	С	Quartz No	Vein	Sample	Assay	Res
m	Log		Bio Ser	Ch	Ep An	Fr	No	Wd	No	Cu	Mo ⁶
	+	Magnetite	Δ	O	<u>.</u>						
•	. +		1	Ţ		Ò		,,			
·	+	↓				1			656	0.420	0.016
	+			l		Ų.					
	+					\circ					
	+					$\overline{\Box}$			657	0.217	0.008
ŀ	+					1	1	4 (Mo)]
1	+			İ		į					
	, 4.					Ť	•••••		658	Ո. 122	0.005
60	+					0	1	5(Py)		0.122	0.005
- 00	4-					\ \ \	1	3(1)/			
	+			1		i			659	0.140	0.005
].	-+	n t			£				609	0.140	0.003
	+	Dark green Pgl							 		
	+	(aplitic)				ļ					0.005
	+			İ					660	0.171	0.005
				İ			,				
	+						1	8 (Mo)			
	*								661	0.127	0.005
1 11	+					ļ			ļį		
70	+		į į	ĺ		\circ					
	<u> </u>	70.75	À	Ò		\Box		. •	662	0.182	0.008
	+	L.grey Pgl	0	Ď		<u> </u>					
		(porphyritic)	ŏ	Δ		i					
	+	(porphyrrero)	0	Δ					663	0.171	0.011
		74.10	Δ	0		-				· · · · · ·	••••
	+		<u> </u>	^			}				
	 + i		:	j j		-			664	0.240	0.007
-	+								004	0.240	0.007
	+			-							
	+										
80	+								665	0.151	0.007
	 +.										
1	+	Secondary copper				ļ	<u> </u>				
	, +								666	0.132	0.007
1				-		0				ļ	
	+		j	į		0		-,*			
	+		$\dot{\lambda}$	Ò		Ŏ			667	0.089	0.015
1	+	Dark green Pgl		$\check{\triangle}$		<u></u>]				
	+	(aplitic)	^	<u> </u>		<u>^</u>					
	+	/ an L. mars minus as h		;		ļ			668	0.110	0.019
90	+			į		7					
+ ~	+								<u> </u>		
1	+						}		669	0 10/	0.007
1 .	+						[009	0.104	V.007
1	+		\triangle			.					
:1	 _*]						630	0	ا ممما
	1 1			•					670	U.115	0.008
	+								 		
	+	;							.	•	ľ
	+								671	0.241	0.019
	_		i i	·		Ï	}			j	
100	+		$\dot{\Delta} \dot{\Box}$	À		(O)					
L		<u> </u>	*3 L1				<u> </u>				J

2/

100m~150m

Depth	Geol	Lithology	Altera	ion	etc	Ţ	Quartz	Vein	Sample	Assay	Res,
m			Bio Ser (ch I	Ep An F	r	No	vein Wd	No 672		/o. I
1	+		$\nabla \Box$		~ (0	2)			6/2	0.185	0.006
	+				Ţ].	• • • • • • • • • • • • • • • • • • • •				
	+		<u> </u>) •		.			(70	0.000	ا م
	+		. ĵ	T	; ,				673	0.300	0.013
	4										
1	+ +]].			(7)	0.246	ادر م
	ļ <u>.</u>	Davida			-	.			674	0.343	0.012
1	+	Dark green Pgl					}				
110	+	(aplitic)							675	A 159	0.019
110	*				į	-		••••••	675	0.155	0.013
	. 4					-		· · · · · · · · · · · · · · · · · · ·			
	+ Δ	112			-				676	0 125	0.016
i '	Δ					}			070	0.133	0.019
1	Δ					}	·····	10 (Mo)			
	Δ	Sheared zone		1		 		10 (110)	677	വ വളരി	0.017
	Δ	blied ed solle				 	1	15(Mo)		0.000	0.077
	Δ					·	···	13(110)	••••	••••	
	Δ				-				678	0.138	0.010
120	Δ					-			070	0.750	0.0.9
- 120	1					}	}	••			•
	Δ								679	0.130	0.033
1	Δ	į							0.5		0,000
	+	123					1	15(Cp,	Mo)		
Į į	+							LILLNIE.	680	0.136	0.017
	+										
	+					}-		(Cp,Mo)		• • • • • • • • • • • • • • • • • • • •
	+				į		2	4	681	0.130	0.013
	+			Ì			1	2 (Py)			
130	. +	A .					1	4(Py)			
	+.	Dark green Pgl		Ì					682	0.155	0.009
-[+	(aplitic)	į	Į					:"	Į	. (
	#- :							22 (Mo)			
	+							35	683	0.238	0.010
1	4							(Mo,Cp)		
	+		į							.=	
	+		;					147	684	0.164	0.009
.] ,	+		į				2	4(Mo,	Cp)		
	+		Ţ	ļ	ţ	<u> </u>		5 (Cp)	[
140		140	Δ (Ο <i>λ</i>	C A	@]	15 (Mo)	685	0.372	0.017
	+		0 7	À	C) [.	1	15 (Mo)			
1	+		ĵ	Î	î	`				0.150	0.616
	+			:					686	U.160	0.019
	+	L.grey Pg1	1		Ì) F / S			
	+			↓ △		.	2	25 (Py)	607	0.005	0 015
	+		1 4	\sim		-			687	0.085	0.015
	, +		.								
	+		1		ļ	.			(00	0.000	, ,,,
150	+		↓		↓				688	0.060	0.013
150	+		<u>U</u>		C	<u> </u>					

1	50m∼	- ባለበ
- 1	\sim	200m

Depth	Geo1	Lithology	Alte	ration	etc	Quartz	Vein	Sample	Assay	Res,
m	Log		Bio Se	r Ch I	Ep An Fi	ç No	Wd mm	No	Cu^*	Mo [^]
	+ +		O ↑ 		↑ }	1	5(Cp)	689	0.165	0.011
	+ +	L.grey Pgl (aplitic)		Δ				690	0.114	0.010
	+++++++++++++++++++++++++++++++++++++++	159	O △ ↑	△ □ ↑				691	0.153	0.009
160	+ + + + + + + + + + + + + + + + + + + +	Dark green Pgl (porphyritic)	↓ △ □	↓ □ △	↓ C @)	20 (Py)	692	0.185	0.011
	+ + + + + +	L.grey Pgl (aplitic)	<u> </u>	1	*	1	15(Py)	693	0.143	0.010
	+ + +		→	.				694	0.117	0.014
170	+ V V	169		$\overset{\triangle}{\circ}$			100	695	0.083	0.006
	v v v	Dark green andesi	te			2	15 (Mo, 4 (Cp)	696	0.119	0.006
	v v					1	4(Cp)]	0.179	0.035
180	٧ _٧	179	Δ Δ	↓ ○ ◎		1	8 (Mo)	698	0.147	0.008
	Δ V	182		(O) (O)	\$ ©) 1	10(Cp, 12(″) 12(″)	699	0.184	0.012
	v v v					4	15 (Cp,Mc		0.184	0.023
100	V V V	Qz veinlets with				1	10(Cp)	701	0.168	0.013
190	v v	Cp+Mo	·		·		<i>L</i> (D-1)	702	0.141	0.006
	v v	195	_	•		3 2	4 (Py) 10 (Py) 30 (Cp)	703	0.132	0.005
	V V	White Pgl with qz		Δ 0 0		2	8 (Py)	704	0.089	0.007
200	+ + + y +	White Pgl with qz	(Δ	<u>C</u>)		705	0.098	0.006

3/

200m~ 250m

Depth	Geo1	Lithology	Alter	ation	etc	Quartz	Vein	Sample	Assay	Res.
m	Log		Bio Ser	Ch Ep	An Fr	No	Mg	No	Cu [%]	Mo [%]
	> > >	Dark green andesi			◎	2	15(Mo,	Į. .	0.089	0.012
	Y	205.20 L.grey Pgl 206	20	∅△∅		1	15(Cp)	707	0.085	0.005
210	v v	Dark green andesi	te 		0 0			708	0.083	0.003
	Δ	Dark green			◎			709	0.205	0.013
	ν Δ	brecciated andesite			100000000000000000000000000000000000000		8(Cp) 10(Cp)	710	0.145	0.007
	Δ . V	219		(1	4(Cp)	711	0.149	0.006
_220	V V V	Dark green andesi	te	○ ↓	○ ↑		30 (Mo) 15 (Mo)	4 1	0.125	0.010
	V +	223.40		○∴↑	○↑		10(Cp,	713 Mo)	0.126	0.016
	+ + +	Cp & Mo in qz vei	n			3 8 2	50(Cp, 8(Mo) 4(Mo)		0.124	0.012
230	+ +					· · · · · · · · · · · · · ·]	5(Mo, 15(″) 15(″)	715	0.189	0.021
	+ + +	Hematite				5 3	40(〃) 20(〃) 5(〃)	716	0.171	0.011
3	+ + +	Dark grey Pgl (aplitic)				3	10(″) 10(″) 8(Cp)	717	0.115	0.007
240	+ +					5 1	15(Cp, 10(″) 4(″)	718	0.182	0.012
	+	Magnetite		△ ⊚ ↑		2	2(")	719	0.183	0.008
	+ +	Dark green Pgl				h	10(Cp)	720	0.158	0.009
	+ + +	(aplitic)	*************************************		ļ	3	2(Cp, 15(Cp) 4(Py)	721	0.149	0.007
250	+		<u></u>	0		4	15(Py)			

Depth	Cool	Lithology	Alter	ation	etc	Quartz	Vein		Assay	
	Log	птенотову	l	1000		1	mm	Dumpi.c	1 % 1	%
<u> </u>	+	· · · · · · · · · · · · · · · · · · ·	Bio Ser	Ch Ep	An Fr	No 2 2	Wd 8 (Py) 30 (")		0.084	Mo 0.006
				i N		2	4 (Mo)			
	+ `				1		20(")	4	0.077	0.004
	+					3	12(Cp,		0.077	0.001
	+				Ŏ	2	4(")			
	+ +				- Fi	5	30 (Py)		0.096	0.010
	+		Ó		<u>†</u>	1	8(")	7		
1	+	'	⊚ □		j	}	·····			
260	+	Dark green Pg1	1			2	6 (Mo)	725	0.110	0.010
	+	(aplitic)			}	3	10(Py)			
	_					7	10 (Mo)	ł		
	+					4	3(Cp)		0.118	0.018
	+				1	2	20 (Py)			
	+						.			
	+ +				(727	0.104	0.007
	+			ļ	Î	3	2 (Py)			
} }	+	l		↓	\overline{\psi}	2	15(Mo,		0.146	0.005
	+			(O)	<u></u>	2	15 (Cp)	ł	U. 146	0.005
270	+			Ò	ليا	2	10 (Py)			
	+	E2 1 mar. Ma	Ì	! 	1	4 3	20(Mo, 2(″)		0.200	0.011
	+	Filmy Mo				3	8 (Py)		0.200	0.011
	+					2	8(")			
	+	Magnetite			, ,	4	50(")		0 150	0.013
	+	Hagherice			Ö	1	8(Mo,		0.130	0.0.5
	+ +				ŏ	4	4(Py)			
1 !	+ '				ŏ	1	4(Cp)		0.120	0.006
	+				Ĭ	2	30 (Py)	ł	'	
280	+				©	2	15(")	!		
	+				î	3	20 (Cp)		0.100	0.006
	+ +		l i	ţ	72400	5	20(Mo,	Cp)		
	+	283		0	o de la companya de l					
	+	203	0	Δ		1	15 (Py)	733	0.092	0.019
	+		Î	1	į	 				
	+				! !					
	+ +	L.green Pgl			H		ļ }	734	0.083	0.003
	+	(porphyritic)					ļ			
	+				Î		ļ	705	0 070	0.000
290	+	Diss Mo & Cp					ļ	735	0.079	0,006
	+	Oimlaba				2	15 (Mo)			
	*	Qz veinlets			7	2	12(110)	736	0.108	0.004
	+	with Mo & Cp						750	0.100	0.004
	+				₩ 		<u> </u>			
	+	295.20			o		·	737	0.097	0.004
	+	L.green Pgl			Ö	- .	<u> </u>	}		
	+	(aplitic)) 1		<u> </u>			
	+	, <u>.</u>			İ			738	0.200	0.005
300	+		,	↓	ļ	3	10 (Mo)			
301	++	Porphyritic part	Ó	Δ	O		<u> </u>	739	0.118	0.008

	Geol		Alteration &	Assay Resu	lt.	011 3011
Depth	Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	Assay Resu No Cu	ppm Zn	Remark
	(C) .	<u> </u>	VOI VIL DE IV			· · · · · · · · · · · · · · · · · · ·
	· (V)	Regolith				
	Ø :	(andesitic float)				
	Ÿ	3,00				
	Ÿ		1 1 1 1			ŧ
}	v			}		
	ν					
	Ÿ			ļ		T.
1	٧			}····		
10	Ÿ.				•••••	
- 10	v					
}	1			}		
	٧			}		
	V			ļ		
}	Ÿ			}		
	٧				 .	
) .	۷ ،	* 4				
	Ÿ			1		
	Ÿ					
	٧	Basaltic andesite				
20] v	with py(veinlet				
	v	& diss) and mag				
] .	V					
}	٧	Propylitic alter.		}	• • • • • • • • • • • • • • • • • • • •	
	v	11029 01011		h		
	٧	· · · · · · · · · · · · · · · · · · ·				
1	٧					
	Ÿ					
	Ÿ					
	Ϋ́					
	Ÿ	·				
_ 30	. V					
	ÿ.					
	٧				· · • · · · · · · · · · · · · ·	
	ν,	32,95		ļļ.		
	/ Ÿ,					
	٧ /	Andesite with skarn				
	/ v/	& py				
	v /	36.45		9037 16	13	w;lppm
[v]	
	٧					
40	Ÿ					
	v					
	٧			}		
1	٧.					
	٧	1		l		
	Ÿ.					
	V					
	v					
1	ν			ļ		
	v					•
} ·	ь. у		↓ ↓ ↓			
_ 50	٧					

	Geol	T ! that a mer	Alterat	ion & ization Ep Py	Ass	ay Res ppm Cu	ult	Domonte
Depth _m_	Log	Lithology	Ser Ch	Ep Py	No	Eg.	Zn"	Remark
	v		Ļ	\triangle				-
	ν		Ĩ	1 1		•••••		
1	٧	, l						
	.v		ļ					!
	v							
	ν							
	٧							·
	۷	,						•
60	V V	Andesite						
"	νν	Midebice				• • • • • • • • • • • • • • • • • • • •		
]	٧ ,				}			
	v V							
	v							
	V							
1	· v				}			
	ν					•		
	ν							
	٧ ,,							
70	v							-
-	٧							
	٧		İ					
	V			-				
	,v		Į.					
	v .							
	Ÿ		Δ		ļ			
	٧		Î Î					
	٧							
	٧							
80	٧							
	V V					[
	v							
	v	D 1 & 2						
]	v	Basaltic andesite						
[[٧	with py(veinlet &			ļ			
	٧	diss) and mag						
	ψ				ļ			
	v		ļ			· · · · · · · · · · · · · · · · · · ·		
90	٧		V		}			
上 ~	Ÿ				}			
	٧		1			••••		
	٧							
	٧							
	۷							
	٧							
	٧							
.[v v							·
	ν v		į.	įį				
100	υ			ΔΔ				

	Geol		Alter	ation	3	Acc	av Ros	111 t	100% 150
Depth m	Log	Lithology	Ser (ation itiza h Er	ti <u>ön</u> Py	No	ay Res	ppm Zh	Remark
	Ÿ		Ĺ		Δ				
]	Ÿ			^	î				
1	v	,			1				
	٧ ٧								!
ļ	v] ;	ν.				
ľ	i i						ļ		
	٧.								
1	V V	·							: '
	v				:				
1	v						<u> </u>		
_110							<u> </u>		
_	v v								
· [v				į				
ļ	ν̈́ν								
- 1	v						}·		
ļ	νν	Basaltic andesite							·
ĺ	v I						ļ		
ļ	٧	(massive)							
f	٧						ļ Ļ		
	Ÿ		I		į		[·
- 1	Ÿ			:	į				
120	٧						*******		ŧ
	V		!	1			}		
i	٧						}		, i
Į	٧								
	٧				į				
	Ÿ								
1	Ÿ								
	Ÿ				į		 		
ļ	v		ı		•				
-	v				į				:
ļ	v				•				
130	٧							~~ ~	. :
-130	v				:			L	
Ţ	v	·	ı						
ł		131.80			ļ		 .		
1	۷ ۷								
1	ν								
ĺ	v	Dark green andesite							
- }	ν					į .	. 1		
1	ν								
į	ν							}• 	
1	ν	138.50	ſ	-1				} 	
140	v ļ	Ą	7	7 :			· · · · · · · · · · · · · · · · · · ·		i
.140	v] }		ر د	•	}		ļ	
İ	٧								
į	v							 	·
Ì	v]		.	
]	· v	Basaltic andesite							
į	v				į				
ļ	v	Magnetite-chlorite							
ł	v	-rich							
}	v							• · · · · · · · · · · · · · · · · · · ·	
Ì	v Y	Or wain along for	190	! !	i				
150	v v	Qz vein along fract		↓	V				· I
	v i	i i	- 7	Δ C	Δ	1			

	Geo1	والمناورة والمناور والمناور والمناور والمناورة والمناورة والمناورة والمناورة والمناورة والمناورة والمناورة والمناورة	Alteration	&	Agg	ay Res	11 T	1.JUM~20
Depth		Lithology	Alteration Pyritizati Ser Ch Ep	on Pv	No	ppm	ppm Zn	Remark
m	Log_v	· · · · · · · · · · · · · · · · · · ·	361 01 7		10	- Ou	211	
1 4	V		!	↑				
	v	Sulphide mineral		Ì				
	V	buspitzido mandrus						
	l۷							
	٧					,		
	٧			İ				
	٧			}	{	[L		
	ľΨ	Dark grey basaltic						
	V	andesite		1				
160	٧							
100) V			1	}			
	V V							
				-				
	V							
	l _v '			İ			1	
	, v							
	v			ļ				
` .'	V.			Į	 			
	<u> v</u>	167.00					<u></u>	
	V							
	V V .					<u>.</u>		
170	ŧ	Altered basaltic			[
	V V	andesite with mag						
	Į i	and py				L		
	٧	and py				L		
,				j				
	W	Calcite veinlets				ļ		
	ν, ν					.,		
	V v							
	l v	Qz vein		1		}		
		177.40						
	l '	111.40				L		
	V V			ļ				
180	V V	180		↓				
	lu ·	Basaltic(tuff?)	↓ ↓					
			ОΔ.	Δ				
	"== =	182.20 White ser grano			9183	41	11	W;7ppm
	+	- 	^	۸ î	9184*	17	24	
	+			i	9185	l		W
	+	Alternal chans			J. 103			
	+	Altered grano 📫			0107			M _o
	+	with py			9187	ļ		Мо
	+	Black mineral &		1				
İ	+	magnetite						
190	+ ′	j		-		1		
	+	<u> </u>			9191			Мо
	1							
	[+	:	. [9193			Mo
	 	192.50	l 4		. 4144	I		Мо
	\	192,50			7173	}	; ,	
	 	Magnetite veinlets	:		7173			
	V V	Magnetite veinlets			7173			
	v v							W
·	V V	Magnetite veinlets \& hematite			9196			W
·	V V + + +	Magnetite veinlets \& hematite 193.70			9196			
	V V + + +	Magnetite veinlets \ & hematite 193.70 19640 Grano with brecc						W Mo
200	ν ν + + + + + +	Magnetite veinlets \& hematite 193.70			9196			

37

Geol	Lithology	Alt	erati vriti	on zati	& on	1	ay <u>Res</u>	ult ppm	Remark
Log		Ser	Ch	Ep	Py	No	Cu	Zn	
+	ing Poor	<u> </u>	•		<u> </u>	9202	10	33	W; lppm
+	202,80	li			į				
1	,								
+					`			******	,
+	with py					9207	37.	6	Ma · Innm
. [9207	14		Mo; 1ppm
+									
+									
	211.20								
, T	Tourmaline (wd: 10m	m)		À		9212	26	31	Mo; 1ppm
+	771			Î		001/4	10	* OF	
	← White, neavy→					92142	12	105	
. ,	scheeilte:				-	9216	24	19	Mo; 1ppm
+	•					72.10			110, 122
+									
+									
								· .	· .
· +									
4	222.50					0222			. U. Innm
4	Ch shor a by					9223	22		W;2ppm
-				× ^		}			
+									
+	į								
·	:								
+ +	229.50	,			<u>\</u>			•	
+	← Scheelite?	ļ		į		9230	20	/	W; 1ppm
+	Cradually			4	<u> </u>		· · · · ·		
		ì			} :	,			
+						9234	14	11	Mo;1
+	•								r
+	•								
7 +									
+)	i					0230	17.	<u>a</u>	Mo;1ppm
+						7237		20	πο, ιρμιι
+									
+									
+						9243	9	9	Mo;1ppm
1		:							
+	245.10 Manage 12					007.5			Ma - 1
+	magnetite+?					9246	32	26	Mo; 1ppm
+		,							
	Magnetite-poor	į			;				:
' ₊	U 1	Ň			,	9250	21	14	Mo;lppm
	Log + + + + + + + + + + + + + + + + + + +	Log Mag-poor + 202.80 + White (ser) grano with py + + + + + + + + + + +	+ + + + + + + + + + + + + + + + + + +	+ + + + + + + + + + + + + + + + + + +	Hag-poor	Log Mag-poor + + + + + + + + + + + + + + + + + + +	Pag-poor	# Hag poor	# + Hag poor

										Z3U⊪~3UH
Depth m_	Geol	Lithology	A	lter Pyr	ition itizat i Ep	.& ion	Ass	ay Res ppm Cu	ult gem	Remark
m_	Log +	<u> </u>	Se	$\Gamma : C$	тър	ry _	No	Ull	Zn .	
·	+	1	1	·		1				
	+									
	+						9254	138	32	Mo;6ppm
	+		}		•					
	+									
	+						9257	20	16	Mo;lppm
	+									
060	. +							·		٠
_260	+						9261	25	16	Mar Innm
	+						9201	2.5		Mo;1ppm
	4	Tournaline+07								
	+	Tourmaline+qz								
	_ +					ļ	9265	57	18	Mo;1ppm
	+			i		-				, 11
	+		<u> </u>			-				
	+		<u> </u>							
	+					İ		••••		
270	+	Magnetite & hematit	е							
	, +	-rich				į				
	+									
	+						ļ <u></u>			
	+					-	9274	41	43	Mo; 1ppm
	+	·								
	' +					\Box]			
	+	Ĭ :				O .				
	+	Magnetite-rich) 				
280	+ .	grano		1			9280	34	39	Mo;1ppm
200	+	Weak alteration				ļ	7200	34		no, rppm
	. +	(sericite)					}			
	+	(50110100)	} }							
	+	Magnetite-rich				j			٠	
	+									
	+		ļ	,		[
	+	287,00		J		ŀ	9288	28	48	Mo;1ppm
	V V	Zenolith				-				
	٧	(altered andesite)				-		·•·		
290	+		2	7		- }	 			
	+		1	•						
	+					Ì	ļ			
	+									
	+					1	9295	14	33	Mo;2ppm
	+						/2/3	1"1		110, 2 P.P.III
	+									
	+					}				
	+	<u> </u>					}			
300	+	Mag & hematite-poor	į	,		ļ	9300	17	17	W;2ppm
301	+		Δ	7		Ö				
	L		<u> </u>							·· · · · · · · · · · · · · · · · · · ·

Depth Lithology Alteration & Assay Result Pyritization ppm ppm Rem	
Depth Lithology Pyritization ppm ppm Rem	ark
m Log Regolith	
$\Delta \Delta \Delta$	
† + Pale grey	
+ fine-grained grano	
+ with py & ep	
+	
+ Dev-well crack along 0007 680 154	
+ with limonite	
$\Delta \Delta \Delta_{11.00}$	
V Limonitic altered \(\triangle \)	
v andesite ↑ ↑ ↑ ↑	
v White altered	
v andesite \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
$\left \begin{array}{c c} \downarrow & 0017 & 30 & 21 \\ \uparrow & & \end{array}\right $	4
20 $\frac{\Delta}{\Delta}$ Brecciated andesite Δ	
Δ 19.50	
+ Pale grey~white 0023 78 22	
+ grano	
+ 6	
+ Ep-mag-py	
30 + 0030 17 12	
+ Dev-well crack 0032 132 29	
+ along with limonite	
+ 0034 151 112	
37.40	
40 39.00	
+ T + 43.00	
+ Altered grano with	
1 imonite \triangle \triangle \triangle	
Brecciated grano	
Limonite+clay(fault) △ Limonite+clay(fault)	
50 //// Skarn(garnet+ep)	<u></u> *

-	7-7-31		A14 a a a a a a a a a a a a a a a a a a a	1	P7	1	Ţ
D	Geol	Lithology	Alteration	ASS	ay Res	ult	Remark
Depti	Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	No	ppm Cu	ppm Zn	Mark 1
 -	<i>ヤアン</i> ケン		THE THE TY	AY	Ju		Au;<5ppb
]	<i>Y////</i>	Skarn zone (porous)	ļ	0052	2000	33	
1	Y////	Praru Soue (borous)		UUJ2	2000	55	Ag; 2.6ppm
I	<i>Y////</i>			L	<u> </u>	<u> </u>	Mo; 1ppm
}	KILL	53.50		1		1	Sn; 1ppm
		Calcarious-siliceou	l _S			ţ	W;1ppm
ľ					l	ļi	u, thhu
l		-argillaceous		ļ	ļ	ļ	Į
1		limestone		1		1	ŀ
1	Δ ~	57.00		[[l	\ .:
	~ A	Timonita alariferal	\	i	}	{	ł
1	اہ ما	Limonite clay(fault	Y .	}	ļ	ļ	ŀ
60	77777	59.50	ļ	<u> </u>		<u> </u>	Į.
	V////	Garnet+ep-rich	1	"		1	()
{	V////	-F	\	ļ	ļ	ţ	ţ
	V///	00.50		- AAZZ	ļ		(
	17744	62.50			1.07%		Į
	11///	Siliceous part	!	0064	4920	73	
1	77///	64.70		[Ţ
	Y777		1			ļ	!
Į	Y///	Argillaceous	ļ	ļ		ļl	Page 1
1	<u>V</u> ///\	Garnet+ep-rich		1		<u> </u>	Į i
•	F ~ ~	η White clay 67.50	Ī	[[Į į
1		67.50	ļ i	ļi	} <u>-</u>	ļi	Į l
_			ļ	ļ	ļl	ļl	ŗ
70		Ì		ļi	[]	<u> </u>	ļ .
1			l i			1	ţ
l			1	 	ţ	ļ	1
1		TTL'=	,		}		,
1		White massive	ļ	ll		l	ļ
		limestone	١			1	
ţ			!	(· · · · · · · · · · · · · · · · · · ·	r1	ļ	Į.
]			1	} -	ļ	 	ļ į
1	F-1-1-		1	ļl	ţl	اh	
1				1	<u> </u>	l	1
]			1			ļ · · · · · · · · · · · · · · · · · · ·	ı i
1		Parate antal	1	ļ	t	t	ı İ
_		Porous ep+clay 79.20 ↓ 79.70	!	ļ	ļ	اأ	ı İ
[_80	1777	79.70	1		l	<u> </u>	
]	VIIIIA	Siliceous part	}	0081	4660	181	
1	V/////	with py+malachite	1	i ₁	t		1
Į.		81.70 PJ MATACHILE	1		ŀ	1	Ţ
			Ī	ļ	ļ	[]	ı i
1			1	[]	[]		1
		Cp+malachite(spot)	1	{}	l	1	ì
]		-E - mereour co (ahor)	}	ţ	} -	}	1
1			1	ļi	ļl	l	1
Ì			1		<u> </u>	<u> </u>	
[ļ	1	!	!1		!
l			1	ļi	 	······	1
		<u> </u>	1	ļ	ţ -	l}	! <u> </u>
90			1	<u> </u>	!	<u>'</u>	
		1	1]	1	
Ì			!	ļi	!1	·	1
			1	ļ			·
			·		\ .	!	
		Massive limestone	,	<u> </u>	<u> </u>		1
		with little py	1	1		1	!
		F/	j	0096	580	13	·
			1	JU 70	700	13	1
		97.20	1		<u> </u>	۱ <u></u>]	,
		Porous, siliceous-	İ	1	1	· · · · · · · · · · · · · · · · · · ·	·
		calcareous part	1	0099	84	122	۱ ۱
100		_	·				
100		99.40		اا		<u></u>	

4/

	Geol		Alteration &	Assay Result			100111/~ 13011
Depth m	Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	No_	ppm Cu	ppm Zn	Remark
		· · · · · · · · · · · · · · · · · · ·	Agt Oil Lib TA	110	Ou		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
		Siliceous limestone				{	
						ł	
				1	<i></i>	į.	İ
		<- 105.30 - 105.90		0106	34	16	
		Porous, epidote		1		1	
	1 1 1	Tor day, opidote		ļ			
				ļ			
110	1 - T - T - T - T - T - T - T - T - T -			}			
-110					[
		←110.90 ~111.50					, i
		Porous,epidote					
		13.20	19	ļ			
		Argillaceous limest	one				
	/////						
	/////	Garnet+ep+malachit	e	0117	1.35%	0.92%	
	1111	Siliceous part					
	7/7//	118.80					
120							
)
		Siliceous limestone				!	
[[4- 124.40 - 124.60		ļ			
	1 1 1	Argillaceous part			L		47 cm.
		B2					
	7						
	<u> </u>						
		128.40 Argillaceous limest	ono				
130		with limonita	one	[· · · · · · · · · · · · · · · · · · ·		
130	17777	with limonite		0121	1.30%	6320	
	77777	Siliceous part With malachite		0131	1.00%		
		with marachite					
					•••••		·
1							
				ļ		·	
				 			
					· · · · · · · · · · · · · · · · · · ·		
	T-1-1	·	l L	}			
					• • • • • • • • • • • • • • • • • • • •		
140		Saccharodal limesto					
		partially pinkish	clay				<u>!</u>
]]				[
	<u></u>						
[[
					,		
	 						
ļ ļ		149.90					
150		148.80 Argillaceous limest	опе	}			
100		TWOTTERCOORD TIMEDO	V-1-V	<u></u> _			L

	Cool		Altoration f	Acc	ov Dos	111t	130m~200m
Depth m	Geol Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	No No	ay Res ppm Cu	ppm Zn	Remark
		150.70		,			
ĺ		Argillaceous limest	one				
Į.		152.60					}
1		,			}		1.
İ	┕ ┍ ┸┰╌╴						
				ļ			
			į	 }			
i							
ļ				1			
ļ							[
160							ļ
160				ļ			
	┖╬┸╌╁╼╌		ļ		! ,		
}					! 		
ľ		162,40					
· .		Argillaceous limest	one			i 	
Į.		AI gillaceous limest	One	ļ			Į.
1					 	 	į
ŀ		•		ļ	<u> </u>		
						2	
				 ,			
							1
		169.00		ļ			
170		169.00 Argillaceous limest 170.10	one	<u> </u>		<u> </u> }	ļ'
		170.10	ļ			!	
ļ	┸┸┸						ĺ
ļ			j				
ĺ				} .			
ļ		Massive limestone		j .			
1		containig pinkish					
		& white clay	ļ				
ŀ	 	a white clay					
ŀ				ļ			
1		178.70			Ì		
180		178.70 Siliceous part with 179.10 limonite along			ļ		
	╬┸╬┸╣	^{179.10} limonite along	crack				
1	d	1211011100 010118		j			ļ
İ		•	Ĭ				
							İ
Ì			Į		<u> </u>		
1			1				
				1			
				ļ			
}	1	187.00		}			
l			1	ļ			†
ļ		Limonite & clay alo	ng			l L	
190		crack of limest		[·
.		191,30		·····	· · · · · · · · · · · · · · · · · · ·		
ļ		191,00		 ,		••••	
1]		-,	
İ			j				
	1-1-T	194.40				·	
ł	77777A	*					1
Ī		Siliceous part					
ļ		190.20					
ł						,	
. }	<u> </u>	-					
200					l		
	- 3		;	1	i i		ŀ

43

	Geol		Alteration &	Ass	av Res	n1t	[
Depth m	Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	No	ay Res ppm Cu	ppm	Remark
116	177		ser or ep ry	NO	<u> </u>	<u> </u>	
ì			· N			<u> </u>	
		-					
							
		İ					
		•					
•	╏ ┖┰╏ ┯┩						
]						 	· ·
	1	***				ļ	
	1	White saccharoidal		ļ	ļ		
210		limestone		1	l	<u>.</u>	
	╏┷┱┷┰╣						
						·····	*
	┸┱┸╗┸						
		•					
	╹ ┸╌┰┸╣	215.30		İ			
	7777	215.30 Siliceous part 216.20		0216	245	680	· ·
	[7777]	216,20			<u> </u>		
	1777	217.05					
	V/V/A	0.11					*, *
	V/V/A	Siliceous part		0219	52	100	W;1ppm
220	$\frac{1}{1}$	219.50				[
<u> </u>	┸╬┸┽┸						* .
!							
	<u> </u>						٠
							•
		22510				ļ	
	77777	225.10 Siliceous part					
	7777	226,50					
230					`:	. *	
						- *	•
		ļ			ļ		
	┸┯┸┦						
						• • • • • • • • • • • • • • • • • • • •	
	╠┰ ┷┰╧╢	ļ					
				ļ			
240							*
	┖┈┸┍ ┸┩						
							,
					}		
		,		[
					·		
		Ì					
	╠╼┾╍ ╬						,
		!		<u>.</u>			
250							
				L		L	

Γ	Geol		Alteration &	Ass	av Res	ult	230111~3001
Depth m	Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	No	ay Res ppm Cu	ppm Zn	Remark
	1105	· · · · · · · · · · · · · · · · · · ·	OCT OIL MP_X/				
	┸┰┸┰┹ ┱┸┲┸┰						
							:
	도프						
	┖┰┷┰┸ ┎ ╵┯╸			}		*	
0.00						•••••	
260	╠┰╬┸╬╷						
					•••••		
							1
	进						
		•	·	} !			
270							
:	╬┸╌┸╌┸╏ ╏╒╛ ╾┯╼┺┱╴						
		White saccharoidal					
		limestone		 			
		15			· · · · · · · · · · · · · · · · · · ·		
				[
	1+1-1			ļ			
280							
- ;							
,							
						*	
						•••	
	1-1-1						
		•				•	
İ							
	$\mathbf{T}_{\mathbf{r}}^{\mathbf{r}}$						
		A		0000		107	
		Quartz vein(wd:5mm)		0289	485	104	W;lppm
290							
					<u>-</u>		
'		Quartz+scheelite?		0292	20	14	W;1ppm
	┸┰┸┰┚			 			
-		,					
	┸┸┸	•					
:							
. 200	二二						
300			<u></u>				

u.t

			The second secon	~~~~	1		1.	$300m\sim351$
Depth m	Geol Log	Lithology	Alteration Pyritizat Ser Ch Ep	ion Py	No No	ay Res ppm Cu	ult ppm Zn	Remark
JIL_			ner on ph	<u> </u>	1	44 73		
					0302	20	8	W;lppm
				`		******		
					1			
		White saccharoidal						•
		linestone			}			* -
		Tillegroise			}			
,					ļ			
310								
	7-0-7							
			,					
					<u> </u>			•
					i			
								:
-								
ļ		317.40			0318	36	54	W; Ippm
į		Tuffaceous~sandy				••••		,
320		limestone						
_320		320.50						
		320.30						
		•						
						•		
								÷ .
					<u> </u>			
								÷
330								
_								* * .
	1777	332.80 Siliceous part						
	/////	with py			0335	47	8	W; 1ppm
	7777	335.10						> · E E ···
,								
0.10					0370	20	5	H. Inn
_340	开门	•			0340	: 39	3	W;1ppm
ļ		340.70			ļ			•
į					ļ			
		Muddy~tuffaceous			ļ			
ļ		limestone			ļ			
·	1772							
					0346	23	30	W;1ppm
		346.00						
					0348	9	15	₩;1ppm
. [• ••
350]			
351		350.50 Siliceous part			0351*	40	184	
	177777 10a015	····	0 1	~~		T U		·

Hasandere Area

Phase spectra and Cole-Cole diagrams of Core samples

•

Y v



















