

Fig. m-1-3-1 Flowsheet of Ore Treatment

## 1-4 Calculation of ore reserves

Ore reserves of geologically estimated all the ore blocks were calculated by distance inverse square method. The calculated ore reserves are 87,692,000 tons in case of 0.4%(To-Cu) of cut-off grade. According to increasing of cut-off grade, ore reserves decreas and grade increases. Refer to Table I-4-5-1 about the relashionship.

Design of open-pit was carried out under the supposition of a given economical conditions, and ore reserves within the open-pit as minable ore reserves was calculated. The minable ore reserves are 33,787,120 tons in case of 0.4% of cut-off grade (To-Cu:0.613%). Regarding minable ore reserves, according to increasing of cut-off grade, ore reserves decrease and ore grade increases. Refer to Table I-4-5-1 and Table II-3-2-1 about the relashionship.

# 1 — 5 Pre-feasibility study

The experts were dispatched in 1993 to collect necessary information about pre F/S. At first design of open pit, calculation of minable ore reserves and flow sheet making of ore treatment were proposed, and then the examination about development by DCF method was carried out with the results of testing and collected information. Major presupposition is the following:

① Minable ore reserves; 33,787,000 tons, To-Cu 0.613% (cut-off grade 0.4%) breakdown; oxide ore 24,170,000 tons, To-Cu 0.522%

sulfide ore 9,611,000 tons, To-Cu 0.842% (waste 41,280,000 tons)

The ore is mined by open cut mining. Mining term is 10 years.

## ② production;

Copper oxide ore minerals (recovery 72%)

-->cathode copper 9,110 tons/year (Cu 99.99%), Copper amount 9,109tons Copper sulfide ore minerals (recovery 93%)

-->Copper concentrates 21.500 tons/year (Cu 35.0%), Copper amount 7.525 tons

Flow sheet of ore treatment is shown in Fig. I -4-4-2 and Fig. II -4-3-2. The SX-EW method is selected in treatment of oxide ore.

## ③ Term of production

Since the longest term of special repayment as the tax privilage is eight years, a term of production activity is ten years. Besides the term, a term of production preparetion is three years.

#### Sales condition

The condition was adjusted the standard sales condition in the dressing plant of Japan.

## ⑤ Copper price

The standard is 90 ¢/1d, however, the cases of 110 ¢ and 130 ¢ are considered.

Under the above conditions, IRR(before interest) was calculated by the DCF method. As the result, in cases of 90 ¢ 110 ¢ and 130 ¢ of Copper price, IRR were -6.411%, 1.937% and 7.357%, respectively. The copper price which was calculated back to zero IRR was 104.3 ¢. IRR before interest of more than 15% is generally considered to be necessary. The copper price which was calculate back to IRR of 15% was 167.5 ¢.

Total Cu grade 0.70%(breakdown: oxide Cu grade 0.61% sulfide Cu grade 0.97%) of crude ore grade is necessary in the copper price of  $90\,c$  without any condition change in order to meet zero IRR before interest. 15% of IRR in the same conditions is necessary that the crude ore grade of 1.13% (oxide Cu ore grade 0.97%, sulfide Cu ore grade 1.54%, respectively).

The result of calculation by the DCF method is shown in Table II -4-4-1 (1), (2) & (3).

## 2-1 Drilling survey

Prospecting generally comes after exploration in a large area and it is carried out for the limited target area. However, geological survey and large area exploration was not carried out in this project by reason of the regional development program. Therefore, since the data of geological survey and regional prospecting are insufficient, the survey to clarify the relationship to the surrounding area will be necessary in spite of mine claim.

The methodology of the prospecting should be carried out from geophysical prospecting to drilling survey after the surface geological survey and geochemical prospecting(including the area covered by the Quarternary) as the survey of surrounding area is carried out. Pre-survey for index elemens and index minerals will be necessary in the geochemical prospecting in the Quarternary covering area. Regarding drilling, it will be necessary to introduce the idea of not only the drilling in order to catch ore deposits but also structural boring.

Since a part of the lower ore body was discovered in this project, prospecting to the deep underground will be necessary as further prospecting.

The intevals of drilling positions were arranged as about 100m in the target area of this survey and were arranged in order to new probale ore deposits in the surrounding area in this project. It is necessary to clearly describe that the drilling position is not decided to clarify the ore reserves of irregular shaped and small amount of high grade part of disseminated ~ reticulated ore bodies. It is extremely difficult to estimate such small amount of high grade part within these ore reserves by drilling survey.

## 2-2 Geophysical prospecting

Since the ore deposits in this area show high IP/low resistivity, the usefulness of surfase geophysical prospecting was reconfirmed. Therefore, the prospecting to the deeper horizon and to the area of sides(particularly to the direction of the east and west side) is necessary near future. The CSAMT method is effective to the deep underground prospecting.

## 2-3 Metallurgical tests

In future, when the reserves and metal content of Cerro Negro deposit are increased to assure the feasiblity of development, it is necessary to collect hundreds tons of the oxide and sulfide ores by excavation of exploring adit or large dia, boring and to realize the leaching and flotation tests in pilot plant scale (actually possible in CIMM) along with close examination of utilities, lik

ewater and electricity, environmental and other investigations for assurance of mine development.

#### 2-4 Calculation of ore reserves

Although variogram was made before calculation of ore reserves, the variogram shows impractical features. The reason is considered that the interval of drilling was too wide or occurreences of ore minerals is too complicated. The drilling interval was about 100m. Drilling with 50m interval in the limited site should be carried out for geo-stratistical examination in further drilling. Less interval than 50m is impractical. Therefore, when geo-ststistic features is not obtained by drilling survery with 50m interval, the occurrences of ore minerals is too complicated.

The calculation was carried out with the sphere with 400m radius in ore grade decision in each block. Since the ore reserves may be overestimated in the data insufficient part, further examination should be necessary.

#### 2-5 Pre-Persibility study

Since the lower ore bodies which are composed of sulfide ore minerals are not the target ore deposits in this survey, the details are indistinct. As they are located in deep underground, open pit mining is unsuitable for them. It was recognized in this survey that the minable ore reserves of the sulfide ore deposits slightly decrease when the ore grade becomes higher. The prospecting plan including underground mining should be examined for the west and east ore bodies, and their extension parts, in near future. More practical research for production on commercial basis should be carried out with investigations about water supply, electric supply and supplies of various materials.

## 2-6 Overall recommendation

The target deposits are the upper ore deposits which are composed of oxide minerals. The minable ore reserves of iron ore minerals are markedly decrease when the ore grade becomes higher. Therefore, the mining of the iron oxide ore body should be in the part of high ore grade on a small scale. Refer to ore grade plan in each block about the position of high ore grade part.

Since the lower ore bodies which are composed of sulfide ore minerals was not the target deposits in this project, the details of the ore bodies are indistinct. As they are located in deep underground, open pit mining is unsuitable for them. Almost all the ore reserves of the lower ore bodies are not include in the minable ore reserves. It was recognized in this survey that the minable ore reserves of the sulfide ore deposits slightly decrease when the ore grade becomes higher. The prospecting plan including underground mining should

be exmined for the west and east ore bodies, and their extension parts, in near future. The prospecting area should be enlarged for the lower partand both side (particularly) with field geological survey, geochemical prospecting (to be necessary to examine index elements and minerals), structural drilling and geophysical prospecting (mainly the CSAMT method). Practical explotation planning should be planned with the pilot test of dressing and investigations about water supply, electric supply and supplies of various materials while prospecting will be carried out.

#### REFERENCE

- Arancibia, C. M. (1991): ENAMI, Gerencia regional III Region, Plano ubicacion de perfiles geofisicos, Yacimiento Cerro Negro-Distrito El Salado. ENAMI internal report.
- Bookstrom, A. A. (1977): The magnetite deposits of El Romeral, Chile: Econ. Geol., v. 72, p. 1101-1130.
- Corvala'n, J. (1989): Geologic Tectonic Framework of the Andean Region
- Dalziel, I. W.D. (1989): Circum Pacific Orogenic Processes: A View From The andeas and the antarctandes.
- David, M. (1977): Geostastical ore reserve estimation.
- David, M. (1988): Handbook of applied advanced geostastical ore reserve estimation.
- EGM Evaluaciones Geologicos Mineras Ltda. (1991): Evaluacion geologica del yacimiento Cerro Negro, El Salado, III region. ENAMI internal report.
- ENAMI (1992): Exploracion geologica del yacimiento Cerro Negro del distrito El Salado III region, Sondajes estrategicos con aire reverso.

  ENAMI internal report.
- Farias, B. A. (1991): Estudio petrologico calcografico del yacimiento de Cerro Negro, distrito El Salado, III region. ENAMI internal report.
- Forster, H. & Knittel, U. (1979): Petrographic observations on a magnetite deposite at Mishdovan, central Iran: Econ. Geol., v. 74, p. 1485-1489.
- Frietsch R. (1978): On the magmatic origin of iron ores of the Kiruna type: Econ. Geol., v. 73, p. 478-485
- Frutos, J. & Oyarzun, J. (1975): Tectonic and geochemocal evidence concerning the genes is of El Laco magnetite lava flow deposits, Chile: Econ. Geol., v.70, p. 988-990.
- Frutos, J. et al. (1985): Geologi'a y recursos minerales de Chile.
- Fuller, C. R. (1989): Dsitribution and characteristics of Chilean copper deposits.
- Fuller, C. R & Peebles, F. L. (1988): Geologia, distribucion y genesis de los yacimientos metaliferos chilenos. pp334. Fundo nacional de desarrollo científico y tecnologico.
- Gallagher, J. J. (1989): Andean chronotectonics.
- Galleguillos, L.G. (1989): Geologia y evaluación del distrio cuprifero de Cerro Negro, III Region - Chile. ENAMI internal report.
- Geodatos (1991): Estudio magnetico terreetre y polarizacion inducida, sector Cerro Negro, distrio El Salado, III region. ENAMI internal report.
- Greene, H. G. & Wong, F. L. (1989): Ridge collisions along the plate margins of south america compared with those in the southwest pacific.
- Herrera, E. B. (1990): El yacimiento Cerro Negro ENAMI, Un prospecto de cobre atractivo para una actividad de mediana mineria metarica. Distrito

- Minero El Salado, Tercera Region de Atacama. ENAMI internal report.
- Hildebrand, R.S. (1986): Kiruna-type deposits; Their origin and relationship to intermediate subvolcanic plutons in the Great Bear magmatic zone, northwest Canada: Econ. Geol., v. 81, p. 640-659.
- Hunt, J. P. (1991): Porphyry copper deposits.
- Koide, H. & Bhattacharji, S. (1975): Formation of fractures around magmatic intrusions and their role in ore localization: Econ. Geol., v. 70, p. 781-799.
- Lowell, J.D. (1991): The discovery of the La Escondida Orebody.
- Lyons, J. I. (1988): Volcanogenic iron oxide deposits, Cerro de Mercado and vicinity, Durango, Mexico: Econ. Geol., v. 83, p. 1886-1906.
- MacKenzie, W.S. et al. (1982): Atlas of igneous rocks and their textures: Longman, pp. 148.
- MacLean, W. H. (1969): Liquidus phase relations in the FeS-FeO-Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub> system and their application in geology: Econ. Geol., v. 64, p. 865-884.
- Magri, E. J. (1987): Economic optimization of the number of boreholes and deflections in deep gold exploration.
- Mpodozis, C. & Ramos, V. (1989): The andes of Chile and Argentia.
- Naranjo, J. A. S. (1978): Zona interior de la cordillera de la costa entre los 26°00' y 26°20', region de atacama, escala 1:100,000. Carta geologica de Chile.
- Naranjo, J. (1978): Geologica del Cuadrangulo El Salado. Memoria de prueba para opter al titu lo de Geologo(inedito). Dpto. de Geologia, Univ. de Chile. 117p.
- Novillo, H. V. (1991): Estudio fotogeologico del distrito minero Cerro Negro. ENAMI internal report.
- Novillo, H. V. (1991): Perfil Geologico en el distrito minero Cerro Negro, El Salado, III region. ENAMI internal report.
- Oyarzun, J. & Frutos, J. (1984): Tectonic and petrological frame of the cretaceous iron deposites of north Chile: Mining Geol., v. 34, p. 21-31.
- Parak, T. (1975): Kiruna iron ores are not intrusive-magmatic ores of the Kiruna type: Econ. Geol., v. 70, p. 1242-1258.
- Park, C. F. Jr. (1961): A magnetite "flow" in northern Chile: Econ. Geol., v. 56, p. 431-436.
- Petersen, U. (1989): Geological framework of andean mineral resources.
- Proano, J. A. (1989): Prospects for mineral exploration and development in the andes.
- Rendu, J. M. (1984): Geostastical methods of ore reserve estimation.
- Ricardo, B. P. et al. (1990): Geologia y yacimientos metaliferos de la II region de Antofagasta.
- Schofield, N. (1988): Ore reserve estimation at the enterprise gold mine, Pine

- Creek, northern territory, Australia.
- Shiga, Y. et al. (1988): Caracteristicas mineralogicas y modo de ocurrencia de elementos menores en menas de yacimientos de hierro del norte de chile: V congreso geologico chileno, v. 3, p161-176.
- Shiga, Y. et al. (1988): Some iron ore deposites in nothern Chile: V congreso geologico chileno, v. 3. pl13-128.
- Siddeley, G. & Araneda, R. (1989): Gold-silver occurrences of the El Indio belt, Chile.
- Sillitoe, R. H. (1989): Copper deposits and andean evolution.
- Sillitoe, R. H. & Camus, F. (1991): A Special Issue Devoted to Gold Deposits in the Chilean Andes.
- Stanton, R. I. (1991): Understanding Volcanic Massive sulfides: Past, Present and Future.
- Sugaki, A. et al. (1985): Geological studies in the metalloc ore deposits in northern Chile.
- Suttill, K. R. (1991): El Teniente: Rockbursts slow the progress at the world's largest underground mine.
- Suttill, K. R. (1991): La Escondida: The latest developments from the huge, new copper open pit.
- Suttill, K. R. (1991): Maricunga: Is this the world's next great gold province
- Suttill, K. R. (1991): Mining in Chile: After a hectic decade, the mining boom enters a new phase.
- Suttill. K. R. (1991):Toqui:Zinc orebodies stimulate interest in mining in southern Chile.
- Turner, J. C. M. (1972): Diccionario Geologico, Ingres-Espanol Espanol-Ingles.

# Appendix

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Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution				
Brecciated andesite abundant in Sp, Hm and Mt Ore reddish brown – brownish gray color  T \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \triangle \) \( \t				
Brecciated andesite(aphyric) with tuff reddish brown - brownish gray color  Pl-rich porphyritic andesite(massive) dark gray - greenish gray color  Fault  Pl-rich porphyritic andesite(massive) dark gray - greenish gray color  Fault  Aphyric andesite(aphyric)  Aphyric andesite(massive) gray - brownish gray  Brecciated andesite(aphyric)  Aphyric andesite(massive) gray - brownish gray  Brecciated andesite(aphyric)  Doleritic andesite(massive)				
Pl-rich porphyritic andesite(massive) dark gray - greenish gray color  Pl-rich porphyritic andesite(massive) dark gray - greenish gray color  Fault  Pl-rich porphyritic andesite(massive) dark gray - greenish gray color  Fault  Aphyric andesite(aphyric) Aphyric andesite(massive) gray - brownish gray  Brecciated andesite(aphyric)  Brecciated andesite(aphyric)  Doleritic andesite(massive)				
dark gray - greenish gray color  V V V V V P P P P P P P P P P P P P P				
83.6 V V V P P P P P P P P P P P P P P P P			ļ	ļ
V \( \triangle \)   V \( \triangle \)   Wal. dis & frac   Brecciated andesite(aphyric)			- 2	
gray - brownish gray  10.1 - V V A A A A A A A A A A A A A A A A A			ļ	
Brecciated andesite(aphyric)  Doleritic andesite(massive)				
26.0 Doleritic andesite(massive)				
Pl-rich porphyritic andesite(massive)  y y & Cp in amyg				1
Sp.Py >Cp frac & veinlet	All the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			<u> </u>
V V S Py>Cp dis				
150 - V V Py>Cp,Mt dis				
161.9 V V S Py >Cp in amyg Seared zone(Fault ?)	_			ļ
Basaltic andesite with amygdal tex., dark gray color				
Pl-rich porphyritic andesite(massive)	+			
91.35			ļ	-
200 –	_			ļ
		<del>:</del>	ļ	

Cerro	Negr	0.	Ch	ile			Drill#	MJCC- 5	(Scale 1/1000) (1/1)	(Dept	h: (	).00 m	-191.1	5 m)
Depth	Geol.	ТС	ù⊑	SC.	u []	)		(	Geologic Discription	A	ssay (	5m a	verag	e)
(m)	Coi.	10	).5 1	.0	1.5%	,	Min.	Alt.	Lithology	TCu	SCu	Au	Ag	Fe
0	A A A A	1					Mal. dis & frac	2036	Brecciated andesite abundant in Sp, Hm and Mt Ore brownish gray - dark gray color					
_	<b>A</b> A	ا الما			<b></b>		Mal. in amyg	Oxide zone						
-	A A A A		****				& frac	2005						
-	A A		769	<u> </u>			Mal. frac	Oxide zone						ļ
-	A A			ū			Mal. frac			:				
47.5 50 —	V V					7	Mal. frac		Aphyric andesite and Brecciated andesite brownish gray - reddish brown color					
-	v * v				ļ		Mal. frac	-				ļ	ļ	<u> </u>
61.5 ~	<b>A</b>	ļ.,	_		_	Ļ		1	Brecciated andesite(aphyric)	ļ			ļ	<u> </u>
64.6 _	<u>V</u> _ <u>△</u>				   	<b>X</b> 1	Mal. frac		Aphyric andesite and Brecciated andesite  Brecciated andesite abundant in				ļ	ļ — —
-	A A			-	12:25	14	I		Sp,Hm and Sp Ore lithic frg: tuff, amygrich andesite					<u> </u>
] _	ĀĀĀ	1	L				Py imp		brownish gray - dark gray color				ļ	<u> </u>
_	<b>A</b> A	P	_		ļ	,								
_						<b> </b>	Ру імр			<del></del>				
100 -	<b>*</b> *		ļ		_									
	A A				_									
_	A A	-	_											
136.0 <sup>—</sup>	Δ V	) 							Brecciated andesite					
150-	Δ V V Δ V V								Seared zone(Fault ?)  Aphyric andesite, gray - greenish gray					
156.3	ν ν Δ Δ	} 					Cp,Sp,Mt,Py in matrix		Brecciated andesite abundant in Mt,Sp and Ht Ore					
161.9	V V	,	[				Py >Cp,Mt dis		Aphyric andesite(strong magnetism) greenish gray color					
173.0	V V V A		)	,		×	Cp,Py veinlet		Aphyric andesite partly Brecciated iron-rich andesite					
-	<b>▲</b> V. V. <b>▲</b>	P			.,		Sp, Mt,Cp,Py in matrix		greenish - brownish gray color					
188.3 191.15	• <u>^</u> -• √	3					Py >Cp imp		Aphyric andesite with amyg. andesite					
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N 544	Negro.			ile	apadasili 1940	·				<u> </u>	-	6 (Scale 1/1000) (1/1) Seologic Discription	Assay	5m av	161. verag	-
epth (m)	Geol.		λıΞ				Min.	•••••		Alt.		Lithology	TCu SCu	· · · · · · · · · · · · · · · · · · ·		
0	- Co	<sup>0,</sup>	.5 1	.0 1	1.57		144111	,		12261		Non core				<u> </u>
6.00		2	<u> </u>	-	-	_				<del> </del>		Alluvium, soil with Ht rock & Mt rock	0.077 0.011	0.1	₹ 0.3	25
11.00					-					1e		And lava, pl porphyritic	0.014 0.001	٠ 0.1	0.3	4
-	V V V			ļ						& Cyp		argilitic alteration, fractured	0.028 0.002	₹ 0.1	٠ 0.3	6
2,00	V V V				$\vdash$					흃		brownish color	0.016 0.001	0.1 د	₹ 0.3	(
	ŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽŽ		L	ļ						while clay &		And lava-tuff breccia, argilitic alteration, fractured	0.018 0.001	<del></del>		<u></u>
0.26	$\Delta \Delta \Delta \Delta \Delta$	-		<del> </del>							g	And lava aphanitic, massive, propilitic	0.029 0.002	< 0.1	← 0.3	
-	VVVV	23		ļ				٨		1	igt.	brownish gray~green	0.098 0.016	i		••••
2.80	XOXOX					_			7.		<b>d</b>	And Bre & tuff, hydrothermal alteration,	0.502 0.102	< 0.1	₹ 0.3	
-	\$X6X9 \$\$\$\$\$\$			_		•	Mal. in fa	ac.		j '	0	fractured	0.112 0.021	∢ 0.1	د 0.3	
0	ŶŸŶŸŶ	2		-						į			0.112 0.032			÷
.50	X X X X X	<b></b>						इ	Â	x	Ť	"Hydrothermal breccia" & And lava	0.086 0.008	ļ		ļ
: -	Ϋ́ΥΫ́Ϋ́Υ				_			Į.	Ę			And lava & brecciated And with	0.051 0.007			
-	ĢXĢXĢ Δ.Δ.Δ.Δ	<b>}</b>	<u>.                                    </u>	<b> </b> -	-			*Ork	oxidation			Ht stockwork~veinlet~dis.	0.146 0.013	i		÷
-	♦\$\$\$\$\$	<u>}</u> _	-	$\vdash$	$\dashv$			stockwork-veinled	1	-		partly with open cavity gray~greenish gray with brownish parts	0.133 0.013	.)		
-	ٳڰ۫ؠڰؙؚٳڰؚ	3	ļ	ļ				H St		Ą		Sid Section Stal men oronivous bares	0.152 0.015	<del></del>		÷
.00	Λ. Λ. Λ. Λ. Δ. Λ. Α. Λ. Α. Α. Α. Α. Α. Α. Α. Α. Α. Α. Α. Α. Α.	<u>5</u> _	<u> </u>	ļ				Ψ.	_	<del> </del>		And lava, aphanitic, massive altered along	0.126 0.016			·
_	V.Å.V.Å.V.V	3			-					a a		fractures partly with Mt stockwork	0.127 0.026			÷
-	VAVAV	3	_	<u> </u>	$\perp$			dis		altered along fructure		dark gray	0.127 0.020	ļ		÷
-	V V V	<u>5</u> .			ļ				٧	ong				į		÷
0-	VAVAV		<u> </u>					ž		18	:		0.122 0.027	<del></del>		·
-	Y   Y   Y	31 23		ļ				ᆌ		alter	- 1	altered along fractures	0.120 0.025			٠٠٠٠.
-								ž				with open cavities in fractures gray-brownish gray	0.132 0.020	į	******	
		[	ļ					Ť				altered along fractures	0.105 0.020			÷.,
_	VVVV											with Mt veinlets	0.073 0.014	ļ		÷
_	VVVV	2		ļ	ļ		Ру > Ср	画				Py in Mt veinlet	0.129 0.010	إسسسا		÷
_	V V V V	5		_	Ц	•••	dis	veinlet		1	1	Cp dis. In And & Mt veinlet same as 110m ±	0.125 0.016			جَ
_	10101	1		<u> </u>				& HC		i		same as 120m ±	0.056 0.003			÷
_	V V V		L	<u></u>				Σį		1 .	1	same as 110m ±	0.043 0.002	ł		÷
	~~~~ ~~~~	}		<u> </u>								same as 120m ±	0.057 0.003	ļ		·
0-	7°7°7	}						Ψ		1 .		same as 110m ±	0.036 0.006			<del>, ,</del>
٠_	V V V V					• •	Cp in fra	c.		¥		at the top, amig filled with Qz. partly altered along fractures	0.025 0.001			<u>.</u>
	V V V V V V V V V V	) }				• •	Cp > Py dis					Cp veinlet-dis. in amig. and And	0.106 0.010			٠
_		<u>.</u>		<u> </u>			dis	ΣĄ		······			0.032 <0.001	∢ 0.1	₹ 0.3	ļ.,
_	(161.35)	_									9		1	ļ		<u>.</u>
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	Negro.		17111187	MJCC-0		(Depth: 0.00m- 200.10
epth		TCu⊠ SCu⊠	***************************************		Geologic Discription	Assay (5m average)
(m)	Col.	0.5 1.0 1.5%	Min.	Alt.	Lithology	TCu SCu Au Ag
0	A A A			<b>ት</b>	"Hydrothermal breccia"	0.522 0.368 < 0.1 < 0.3 3
	A A A		Mal. in frac.		Ht(Spec)stockwork > lithic bre., brownish	0.928 0.806 < 0.1 < 0.3 3
	<u>^</u> 7∧ <sup>7</sup> ∧	2001 E	'X\]		Brecciated & altered And with	0.570 0.433 ( 0.1 ( 0.3 2
. 1	VAVAV		Mal. in frac.	i .	Ht stockworks,	0.746 0.611 0.1 < 0.5 2
24.00	v v v	8)	X4		reddish brown~dark gray	1.610 1.547 0.1 < 0.3 3
24. <u>00</u>	v v v		Mal. in frac.	ucija	And lava, massive, aphanitic, greenish	1.308 1.220 < 0.1 < 0.3 1
-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Y	(3)	oxida	gray with Ht-Mt veinlet	0.780 0.635 0.2 < 0.3 3
34.00	AAAA		Mal. in frac.		Brecciated And filled with Ht(Spec),	0.298 0.219 ( 0.1 ( 0.3 2
	A A A		~dis		black & reddish brown	0.140 0.024 < 0.1 < 0.3 4
46,00		33				0.596 0.390 < 0.1 < 0.3 2
50-	V V V		Mal, in frac.	1	And lava, massive, aphanitic, with	0.662 0.499 0.6 < 0.3 3
	, v , v ,		-Ula-	1	Ht veinlet, gray~reddish brown	
58.50	AAAA	<b>5</b>	. :	¥	Brecciated And-And lava, with	0.193 0.092 0.3 < 0.3 3
	A A A		. Mal. dis.	-	Ht (Spec) stockwork-veinlet	0.085 0.017 0.3 < 0.3 5
			(Py) 건 항		black & reddish brown	0.179 0.028 ( 0.1 ( 0.3 3
	v v v	}	ocky	:		0.093 0.021 < 0.1 < 0.3 2
78.50	<b>*</b> ***		''' Mal. dis. 형 (Py) 로			0.746 0.159 ( 0.1. ( 0.3 2
1	v v v		-		And lava, massive, aphanitic, greenish gray	0.316 0.096 + 0.1 + 0.3 1
85.60	v v v	<b>E</b> a	···· Mal, dis.		Brecciated And filled with Ht(Spec)&Mt	0.149 0.068 ( 0.1 ( 0.4 3
92.30	V V V.		. mai, 013.		black & reddish brown	0.200 0.062 < 0.1 < 0.4 2
97.00	V V V				And lava, massive, aphanitic, greenish gray	0.288 0.068 < 0.1 < 0.4 2
100°	* * *	<i>/</i>	? Cry?		Brecciated And, pl porphyritic, with Ht veinlet~stockwork	0.158 0.030 ( 0.1 0.7 2
107.60	<b>*</b>		work	Ì	greenish gray~black&reddish brown	0.087 0.026 < 0.1 < 0.3 3
107.00	<b>A^A</b> A		Py 5		Brecciated And, filled with Ht(Spec) black & reddish brown	0.022 0.003 < 0.1 < 0.3 3
115.00	♦,♦,♦		, , , , , , , , , , , , , , , , , , ,		Brecciated And, with Ht stockworks	0.114 0.008 < 0.1 < 0.4 3
121.30	<b>▽</b> ♠ ♠	55550 E	8 		gray~dark gray	0.038 0.009 < 0.1 < 0.3 4
			∵ Py≫Cp π ∴ dis		Brecciated And filled with Ht(Spec)& Mt, black	0.662 0.139 0.1 < 0.3 3
127.50	A A A		Cp≥Py		:	1.086 0.023 0.2 < 0.3 3
_		一定	· · dis			
4					filled with Mt&(Ht), black	
		g j	Cp » Py 설 dis 및		Cp & Py in Mt&(Ht) stockwork	0.986 0.014 0.2 < 0.5 2
150-	<b>₹ ♦</b>		lock		7 101 101 101 101 101 101	1.072 0.027 0.2 < 0.3 3
	v v v	л	Py > Cp 🛱	<u>.</u>	Brecciated And filled with Ht(Spec)~ with Mt veinlet, black~dark gray	0.720 0.052 0.1 < 0.3 3
157.20	v v v	<b>5</b>	dís		And lava, massive, aphanitic,	0.175 0.012 ( 0.1 ( 0.3 2
	V 0 V V		∵ Cp ≥ Py		with amig filled with Qz, Cp&Py	0.135 0.009 < 0.1 0.6 1
1	v, v, v		dis			0.310 0.053 < 0.1 < 0.3 1
-	v v v		C SI		massive lava, greenish dark gray	0.032 0.003 ( 0.1 ( 0.3 1
7	Ĭv, v,		···Cp≥Py rupu			0.038 0.002 ( 0.1 ( 0.3 1
1	V · V		dis uno	İ	with amig. filled with Qz, Cp&Py	0.244 0.004 ( 0.1 ( 0.3 1
4	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		n			0.075 0.001 < 0.1 < 0.3 1
	v, v, v				massive lava, dark gray	0.057 (0.001 ( 0.1 ( 0.3 1
4	~,~,~	<del>}                                     </del>	×			0.129 0.002 < 0.1 < 0.3 1
200	(200 ±0)	æ ! ! _		<u> </u>		
-{	(200.10)	-     -				
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· I	Geol.	TC	υEJ	sa	13				Geologic Discription		ay (5m		
m)	Col.	0.	5 1	0 1	.5%		Min.	Alt.	Lithology Non core		Cu Au	- <del> </del>	F
0 3.3 <u>5</u>	<u>₹</u>	. 55	7465 33	20	_			Weathered	"Hydrothermal Breccia", dark brownish gray	0.840 0			32
7.70		4			L		dis	zone Oxidated	<u> </u>	0.505 0	.313 < 0.	1 < 0.3	33
13.50	TTTT		3333 3	[:			mal, cusulfate	zone	Tuff, (?) reddish gray~brown	0.398 0	,148 < 0.	1 1.2	2 28
	*v*v*			l			mal, dis mal in crack	•	Aphanitic Andesite, partly with pl pheno	0.306	.091 < 0.	1 (0.3	3 23
. ]	~\ <sup>*</sup> ~\ <sup>*</sup>		3							0.420 (	.146 (0.	1 < 0.3	19
٦	V, V, V	5		ļ						0.238	.053 < 0.	1 ( 0.3	3 1:
1	vvvv	S								0.138	.033 ← 0.	1 0.6	<b>j</b> 1.
1	v, v, v				1	- :				0.069	.003 < 0.	1 0.5	5 1:
1	`v;v;			<del>                                     </del>	+-					0.094 0	.004. ← 0.	1 < 0.4	1
4	*	<u>}</u>		<del> </del>	-						.037 (0.		
50-	v v v			-	╀-				<u>                                     </u>	<del></del>			<u> </u>
50.60	DIO I	<b>)</b>		ļ	1		Py dis. poor		Tuff / Tuff breccia, partly "Hydrothermal Breccia", gray~brownish gray		.031 ( 0.		1.
4	<u>₹</u> ₽ <u>₹</u> ₽	<b>)</b> —		-	-		mal, in crack				.012 (0.		
	*, *, *	<b>]</b>		<u> </u>			poor .		Pl. Pheno. Porphyritic Andesite		.018 < 0.		·-
	*	1	<u>.                                    </u>	<u>L</u>	L				with Amygdale		.027 < 0.		1
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5		<u> </u>						0.142 0	.021 < 0.	1 1.1	2
78.1.5	v v v	221	Ę.							0.252 0	.072 ‹ 0.	1 1.1	2
اً "	* v * v *	7						strongly crushed	Aphanitic Andesite, brownish gray	0.212 0	.069  < 0.	1 < 0.3	1
85.30	0 V 0 V	ζ,						- Compared		0.194 0	.059 ‹ 0.	1 0.8	3 2:
1	* * * *		1 2		-				Pl. Pheno. Andesite	0.132 0	.052 ( 0.	1 ( 0.4	1.1
1	* * * *	1		ļ						0.178 0	.060 ( 0.	1 1.2	 ! 1:
00-	v v v		-		-						.070 < 0.		<del>.</del> -
⊢	* * * *	j									.019  < 0.		· • · · · ·
11.5Q	*		1		$\dashv$			•			.015 ( 0.		·‡
· -	Ž Ž Ž Ž	)			_				Aphanitic And.				4
-	ŶĂŶĂ		_		Ц	. [	Py in crack				.007 < 0.		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		:							<b>├</b>	.004 < 0.	<del></del>	•
8.00	V V									0.051 0	.007 ‹ 0.	I < 0.3	15
: ]	vÿvÿv								Porphyritic Andesite, with pl. phenocryst	0.060 0	.005 ‹ 0.	I < 0.5	14
7.00	V V V								Fault Breccia Zone	0.063 0	.005 ( 0.	1 < 0.3	13
	νΔνΔ				П				Aphanitic Andesite-Andesite Breccia	0.059 0	.007 < 0.	1 < 0.4	1:
1	* * * * * *					1				0.096 0	.018 < 0.	1 0.8	12
50-	, °, °,	3		-	П				Pl. pheno. Andesite	0.053 0	.005 < 0.	1 < 0.3	1(
1	V V V						-		gray-blueish gray		.006 < 0.		
1	* * * * * * * *	, -			$\dashv$					***************************************	.010 < 0.		******
4	*								168.00 Fanlt (?)		.023 ∢ 0.		·••••
8.00	· · · · ·				$\dashv$	• •					.025 ( 0.		
+	V0V0V	<u> </u>			$\dashv$		Cp dis in		Aphanitic Andesite associated with Amygdale Andesite, gray~greenish gray.		.017 ( 0.		<del>.</del>
	0 V 0 V 0 V 0 V 0 V	-	$\dashv$		Н	•••	Amyg, rock	•	Andesite, gray-greemsu gray.		·····		4
4	V 0 V 0 V	<u>}</u>				• •					.017 < 0.		ş
-[	* * * *					• • • •	Cp dis in rock		Pl. pheno+Amyg porphyritic Andesite Gray		.012 < 0.	···•	÷
	190.20)									0.061 0	.001 < 0.	1 < 0.5	14
		_											_
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1	Ì				1					i			-
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1	Ì	-			-		in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th				<del>-</del>	1	†~~~
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7	ı												

Cerro	Negro	).	Ch	ile	١.		Drill#	M.	ICC	<u>,                                    </u>	(Scale 1/1000) (1/1)	(Dept	h: C	).00 m	-215.1	0 m)
Depth	Geol.	TC	u 🗆	sc	u 🗀			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(	Geologic Discription		ssay (		verag	e) .
(m)	Col.	0.	5 1	0	1.5%		Min.		Alt.		Lithology	TCu	SCu	Au	Ag	Fe
5.9	$\Delta \Delta$			,	<u> </u>		: :				Talus deposits	<u> </u>				
3.9	VIV										Aphyric andesite, white - light gray color	<u> </u>	İ			İ
1.0-		_		,	<u> </u>			2002								
16.0	<b>▲</b> V		-		L			Weathered zone			Brecciated andesite partly iron-rich matrix					
25.4	V 🛦							Year			Brecciated andesite partly iron-rich matrix and aphyric andesite, white - light gray color					ļ
	<b>A</b> V	1			_					13	brown - brownish gray color					
30.1	<b>A A</b>	}			ļ						Brecciated andesite abundant in Mt,Sp and Ht Ore					
- 1	<b>A A</b>										reddish brown - brown color					ļ
	A A				ļ											ļ
50 -	A A		_		ļ				Oxide zone			:			Í	ļ
_	A A				ļ				Öxide	-			ļ			
_	. ▲ .	3	_	<u>_</u>	_				Ū							<u> </u>
	<b>A</b> A	ζ			ļ	·										ļ.
_	AA	1.9								Î						ļ
	<b>A A</b>		#E323	*****	ļ	::	Mal., Chrc. frac							<u></u>		ļ
.   _	<b>A A</b>	3			_		,						···	·-···		
-	<b>A A</b>				ļ	Ì					Brecciated andesite abundant in Mt,Sp and Ht Ore gray - dark gray	ļ				
	<b>A</b>				L			•			gray - uaix gray					
					ļ		Py, Cp dis									
100 -	A A			_	_	٠.				í	<u></u>	ļ <sub></sub>		.:·		ļ
	<b>A A</b>				ļ		: .				reddish brown color dark gray color					
	<b>A A</b>	5							one		reddish brown color	.				
_	A A			~		λ	Mal. frac		Oxide zone	-				·		
	<b>A</b> A		_	-					Ô	:						
125.5		}			<b>]</b>					<u> </u>		ļ	· ·			
-	<b>A</b> A	7	2								Brecciated andesite abundant in Mt,Sp and Ht Ore					
136.0	A A				ļ				<del>1</del> 01							
_	<b>A</b> , <b>A</b>	9			-				chloritized		Seared zone(Fault ?)					
147.5	A A	7		******		1.			多							
150-	<b>A A</b>	<del>-</del>			<u> </u>		Cp dis				Brecciated andesite abundant in Mt,Sp and Ht Ore				. :	
156.3		250									matrix: Mt>Sp>Py					
161.8		3			<u> </u>		Py, Cp dis									
_	<b>A A</b>			••.		• • •	Sp, Mt,Cp,Py in matrix				Fault				·	
170.0-	V A	3		<del></del>						-	Brecciated andesite partly amyg. tex.	-				
178.6	Δ_۷	}			ļ			<u>.</u>	<u>3</u> +							
	MyX						Py >Cp,Mt dis		chloritized		Sheared zone: Brecciated andesite, greenish gray			J J		
185.0	A A			! !				-	—স্ত		Aphyric brecciated andesite and massive andesite	]				<u> </u>
	V _ Δ	$\dashv$				-							I			
195.0	v , v			~			Py,Sp,Mt>Cp				Aphyric andesite, dark gray		1			
200 –	v , v						dis									
206.0	V						Py>Cp,Mt dis			-	Basaltic andesite, blackish gray	-[				
211.0 215.1	V V	,			-						Aphyric andesite, dark gray, partly sheared					
215.1																
				1											******	
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Cerro	Negro.	Chile	Drill#	MJCC-1	0 (Scale 1/1000) (1/1)	(Depth: 0.00m- 160.40m)
Depth	Geol.	TCu® SCu		(	Geologic Discription	Assay (5m average)
(m)	Col.	0.5 1.0 1.5%	Min.	Alt.	Lithology	TCu SCu Au Ag Fe
0	VAVAV		1,0-9,50 Mal.		Andesite Breccia	0.582 0.352 0.1 < 0.3 21.02
•	OXOXO		In crack		"Hydrothermal Breccia"	0.584 0.429 < 0.1 < 0.3 27.56
	AVAVA VAVAV					0.188 0.109 < 0.1 < 0.4 25.18
	PIPIO AYAYA		16.10-20.00	Oxidized zone weakly		0.626 0.472 < 0.1 0.6 29.96
20,10	QXQXQ		16.10-20.00 Mal to crack		Andesite Breccia, partly	1.062 0.124 0.1 0.5 40.00
					"Hydrothermal Breccia"	0.834 0.678 < 0.1 < 0.3 30.08
[		2				0.514 0.437 < 0.1 < 0.3 23.16
-						1.768 1.626 0.4 1.6 36.28
_		Military 1				0.594 0.478 0.1 ( 0.4 36.80
48.50 50-	<u>ĂŶĂŶĂ</u>	<b>.</b> E . ,	:	<u> </u>		0.748 0.218 0.1 ( 0.3 38.06
5U-	<b>A</b> _A_A				"Hydrothermal Breccia" Dark gray ~Dark Brownish Gray	0.370 0.016 < 0.1 < 0.3 36.00
	AAAA		W.		Dark gray -Dark Brownish Gray	0.660 0.031 < 0.1 < 0.3 44.80
Ť	<del>Q</del> XQXQ	5,50				0.424 0.014 < 0.1 < 0.3 30.80
1					Lithic Fragment ; Amigdale And	0.882 0.030 0.1 < 0.3 28.14
		L L	Co > Pv		Aphanitic And	1.070 0.034 0.2 ( 0.5 41.28
_	A A A		Cp > Py		Pl.pheno. And mixed. ∮1~30°°	0.870 0.027 0.2 0.9 35.76
		5.7			инхец. ф1-30	0.654 0.023 0.1 < 0.3 37.44
Ĭ					Cp > Py in Amigdale	0.812 0.051 < 0.1 < 0.3 45.04
			Compact Spec, HT, Mt » Py > Cp			0.636 0.043 < 0.1 < 0.3 23.48
100		5	• •		102.80. Fault Zone	0.452 0.051 < 0.1 < 0.3 36.48
100-	<b>A</b> *A*A		Cp dis, poor		102.80. Fault Zone	0.490 0.056 ( 0.1   0.8 28.08
		$\mathfrak{A} \perp \perp$		i.		0.324 0.048 < 0.1 0.8 24.60
	$\overset{\circ}{\nabla}\overset{\circ}{\nabla}\overset{\circ}{\nabla}\overset{\circ}{\nabla}\overset{\circ}{\nabla}\overset{\circ}{\nabla}\overset{\circ}{\nabla}$		Cp Py in rock Cp Py in Fragrent			0.162 0.020 < 0.1 < 0.5 32.14
115.60	^		116~130.00		Aphanitic Andesite (Mg-Type)	0.206, 0.042 ( 0.1  0.5  32.62
_	vvvv		dk,			0.137 0.006 < 0.1 0.6 16.24
	V V V		Ž			0.050 0.001 < 0.1 0.7 12.56
-	, v , v ,		130 Cp Py v let		gray-darkgray (Mg-Type)	0.163 0.001 < 0.1 0.6 15.72
. 4	00000	<b>3</b>	135 Py Cp in Amig ds			0.163 0.002 < 0.1 < 0.4 24.76
-	00000	3	Amig ds		Aphanitic Andesite with Amigdale (Mg-Type)	0.066 0.001 < 0.1 0.5 19.22
150-	0 V 0 V 0 V 0 V 0 V	3	Py Cp in rack			0.131 0.001 < 0.1 < 0.4 18.86
	V 0 V 0 V		Cp poor in amig			0.135 0.001 < 0.1 < 0.3 19.42
-	00000	3	dale rack			0.155 0.001 < 0.1 0.6 21.28
-	(160.40)					0.079 0.001 < 0.1 < 0.5 18.80
-					V 1	
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Cerro	Negro	(	Chil	e		Drill#	MJCC-1	1 (Scale 1/1000) (1/1)	(Depth: 0.00m- 191.95m
Depth	Geol.	TCu	⊠S	Cua		10-70-94-74-74-98-15-12-12-4-3-3-5-3 <del>-7</del>	(	Geologic Discription	Assay (5m average)
(m)	Col.	1.1		1.59	1	Min.	Alt.	Lithology	TCu SCu Au Ag Fe
0	AAAA	ΙÏ	T	1	1	F		"Hydrothermal Breccia", specularite	0.032 0.002 0.1 < 0.3 43.5
	A A A A		十		1	Spec		with minor fragment, black reddish brown	0.033 0.004 0.2 < 0.3 44.10
. •	A,A,A	pinen pinen	-	-	<b>∤∵</b> ∵	Py dis			0.203 0.020 0.1 < 0.4 32.5
13.30 16.60	TTT	)			·.				0.047 0.005 < 0.1 0.5 34.6
-	ĬŸ.∇.₹ JAJAJ	-	+		┨	Py dis		And Lave, Tuff, altenate,	0.056 0.010 < 0.1 < 0.4 31.8
_	<b>VAVAV</b>				1				0.038 0.008 0.1 0.6 32.1
-	J T T		200	+	.				0.534 0.428 0.1 < 0.3 33.2
	J <b>A</b> TA	<b>3</b>			~	Mal veinlet	oxidized zone	Partly "Hydrothermal Breccia" Texture	
	VAVA V V V		<b>6</b> 23			Mal in Fractune			0.282 0.191 < 0.1 0.5 42.9
	֓֞֞֞֞֓֞֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	ļļ			ļ	mal dis			0.076 0.014 < 0.1 1.3 33.9
50-	TTT		$\perp$		1				0.087 0.021 0.1 1.1 31.3
J0 .	TTT	S			_				0.148 0.039 ( 0.1 0.9 35.0
	T T T		<b>s</b>		ļ:::	Mal in frac			0.404 0.245 < 0.1 1.5 34.4
-	V V V				]				0.274 0.030 ( 0.1 0.7 33.4
65.00 67.40	V. V V		1	1	<del>]</del>	Du dia		Andesite breccia with pl. phenocryst, Partly	0.062 0.016 < 0.1 < 0.3 27.0
	TTT	<b>,</b>	+		1	Py. dis		"Hydrothermal Breccia" Texture, And Tuff	0.081 0.003 ( 0.1 1.9 25.3
	ĺ <sup>∨</sup> ♠ <sup>∨</sup> ♠Ύ	<b>)</b>			1			breccia Greenish gray	0.052 0.001 < 0.1 1.8 24.0
-	v v v	$\vdash$	+	-	1				0.018 (0.001 ( 0.1 1.7 24.1
86.60	^ ^ V				<u> </u>			Andesite breccia, gray	0.288 0.004 < 0.1 1.3 29.0
	84848	. 2	+		1			partly amygdale bearing	0.058 0.004 ( 0.1 1.8 31.4
	γΔγΔγ	<b>.</b>						*	0.198 0.015 ( 0.1 1.7 30.5
100			4	- -	-	Mt. Cp Py			0.140 0.052 c 0.1 1.3 37.3
105.60	<u> </u>	<b>3</b>			<u> </u>				
	4444		- -	_ _		. Ht≫ Mt	Strongly oxidized	Tuff Breccia	0.156 0.063 < 0.1 1.2 21.4
115.00	¥4¥4¥	<b>}</b>	_ _		ļ				0.106 0.028 < 0.1 0.7 18.3
113.00	XÝXÝX						Paryly Silicifide zone		0.274 0.064 ( 0.1 0.5 15.5
	Į <del>ŠŠŠŠŠ</del>	3		<u> </u>					0.258 0.074 < 0.1 < 0.3 15.8
_	XOXOX	þ					Weakly Silicifide	Andesite Breccia, gray	0.170 0.018 < 0.1 < 0.3 18.3
	84848		T		]	Mal in crack	Silicifide	Andesite Diceeta, gray	0.113 0.018 < 0.1 < 0.3 19.6
136.60	<u> </u>	33	T		1		Oxidized	Tuff-Tuff Breccia reddish brown	0.171 0.067 < 0.1 1.6 22.4
142.10	V V V	2	1		-			Andesite Breccia, Partly "Hydrothermal	0.284 0.056 < 0.1 0.9 18.2
-	Ů Š. J. A.J. A.J.					Spec >> Mt	Oxidized	Breccia", reddish brown	0.304 0.039 < 0.1 1.0 15.0
150-	va va v		+		1	Py » Cp	zone		0.177 0.034 < 0.1 < 0.4 32.8
156.00	A A .		1	+	<b>-</b>	Cp in Matrix		"Hydrothermal Breccia", dark gray	0.182 0.037 < 0.1 < 0.3 26.0
-			+	_	<b> </b> :	Ch m mann		light green Tuff or Andsite	0.622 0.075 < 0.1 1.0 30.1
163.20	T T T T						Oxidized zone	Tuff, Brown,	0.091 0.023 < 0.1 0.8 26.20
170.33	T T T		+	+	<u> </u>		Oxidized zone		0.140 0.057 < 0.1 1.3 25.4
-	ŽĢŽŠŠ	}	+		-	Spec.		Andesite Breccia, Aphanitic And	0.176 0.099 < 0.1 1.9 24.7
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3	+			Mt.		partly Tuff Breccia, (177m ± ) partly	<u> </u>
-		Ţ				Mal in calcite		"Hydrothermal Breccia" Texture, (185m $\pm$ ,	
190,83	<del> </del>	3				crack		189.5~ENDS)	0.224 0.076 ( 0.1 ( 0.4 30.2
	(190.85)	_							0.085 0.027 ( 0.1 ( 0.3 11.0
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epth	Geol.	TCu	$\odot$ S		1						(	Geologic Discription	AS	say (	M HIC	erage	)
(m)	Col.	0.5	1.0	1.59	74	N	lin.			Alt	•	Lithology	TCu	SCu	Au	Ag	Fe
0	00000	T	T			1						Over burden	0.059	0.014	< 0.1	2.0	7.6
4.70	,,v,,v,,				-	+			1			And strongly altered&fractured,	0.012	0.002	< 0.1	1.3	2.6
-	ŮVŮVŮ	$\dashv$	+	-	-							pale greenish gray	0.015	0.002	4 0.1	0.9	3.4
-	v,,^,^					1				î		with white veinlets				0.8	
	v,`v,`v	_			1			Ht in Crac					0.016				3.7
	`\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				]			#V	E.	-			0.073	0.013	، 0.1	1.5	4.7
26,00	V.V.				7-	1			#			And, massive, pale greenish gray	0.045	0.010	< 0.1	← 0.3	5.0
1	, v, v,		_	$\top$	7				white clay I	8		partly altered & fractured	0.082	0.019	₹ 0.1	₹ 0.3	5.9
- 1	v.v.v	<u>.</u>			-		خ ؤ	. î	work	oxidat		with Qz-Cal veinlets	0.426	0.345	. 0.1	. 0.3	6.8
40.50	$\mathbf{v}^{Y}\mathbf{v}^{Y}\mathbf{v}$		<b>27</b>			Cal	c. in (	yp qv	1_							·····	
_	vsvsv	¥				Cal	c. in C	уp				And, pale greenish gray~olivegreen	0.122	••			
<b>5</b> 0	v , v , v	}							T.			partly silicified, altered & fractured	0.085		<del></del>	<del></del>	
50 - 54.10	<b>*</b> , <b>*</b> ,*		T		Ľ	Cai	c. in C	уp	<u> </u>			with white veinlets	0.096	0.047	< 0.1	← 0.3	3.2
34.19	D D				×	Cal	c. in fi	rac.				Cataclastic mixture	0.420	0.298	∢ 0.1	< 0.3	3.8
	/o/o	計		$\dashv$	-							Aplitic diolite & And, strongly sheared	0.270				
. 4	\0\d	C.				Cal	c. in fi	rac.		1		pale yellowish green-greenish gray with					
	\D\D\D	Ĕ.			].,		c. in fi			•	:	pinkish part, shear plane ∠ 20° in dip	0.362			······································	
.	v v	3				· Cai	11111	a.	S.	•		angle Cu sulfate in fracture	0.157	0.069	< 0.1	← 0.4	5.1
	֖֖֖֖֡֞֓֓֓֓֓֓֓֟֞֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֟֓֓֓֓֓֓	3		<u> </u>	" :::	Cal	c. in fi	nac.	Ē			Andesitic tuff, green, partly sheared.	0.242	0.067	← 0.1	٠ 0.3	5.8
	<sub>ፒ</sub> ኒኒኒ	<b>*</b>	<b> </b>	$\overline{}$	1.:		≥ Cp d		١ŝ			Cp dis in tuff & Mt lens	0.844	0.048	0.2	1.4	11.4
4	T_T, T,	<b>7</b>	0000		-[::	•	·		,hite	. 1			0.336				
	т т т	M	_		<u> </u>	£1	> Cp d	- 11	yellowish whi								
	13.6	4	:			Ma	l, in fr	ac.	, ve			Andesitic tuff & Aplitic doilite, pale	0.218	0.114	← 0.1	< 0.3	5.3
]	マゲ		T		``.				. 5.	•		greenish gray, strongly sheared, shear plane	0.374	0.182	0.1	← 0.5	6.5
100-	22		_	_	<b>†</b> ∵	. Cp	> Py	dis	Ψ			∠ 20° in dip angle, Mal. veinlets, Cp dis. in	0.344	0.002	₹ 0.1	< 0.3	5.3
	7,7	<u></u>			1:					ī		matrix.	0.093	ስ በበፈ	. 01	. 03	57
107.00	16		_		J	Ср	> Py	dis				Mylonitic rock			······		
	15/5				1:::		-	Si .				Sheared tuff?, pale greenish gray	0.147	0.001	< 0.1	( 0.3	8.3
	1/2/2		37					ষ্				shear plane ∠20°	0.672	0.003	0.2	← 0.3	9.8
1	1515	4	士				_	ž		÷		Mt. Cp & Py dis. in matrix	0.724	0.005	< 0.1	0.6	8.2
	3 %		₩	3		Cp	» Py	dis					0.630	0.016	(0.1	< ∩.4	12.1
	Solo	<b></b>		-	-[			1		1		Sheared tuff ? dark green, pale green & brownish part. Mt. Cp. Py. dis in Matrix	· · · · · · · · · · · · · · · · · · ·			. <del></del>	
		۹.	<b>,</b>		1::	Ср	> Py	dis ,		'		Orominsh part. W.t. Cp. 1 3. dis in matrix	0.560				
	15-15	SΙ	222		]:::							Sheared tuff? grayish green	0.640		0.2	ر 0.3	10.5
]	9696	, <del>С</del>	300	7	]∷:	Py	Cp d	is		٠.		Mt. Cp. & Py dis.~lens in matrix	0.600	0.020	0.1	0.7	19.5
147.10	77		*****		4	-		-		十			0.871	0.021	0.2	₹ 0.3	15.3
150-	, v , v ,	-	+	+	1.				<u> 5</u>	į	Ą	And lava, pl. porphyritic,	0.023	<del></del>			<del></del>
4	* * * *		-		::	Ср	>> Py	dis	White vein			dark greenish gray					
-	***		4		4. #	1		ij	7bite		2	with high angle white veinlets	0.021			.,	•••••
]	* * * *	- 1	ŀ		.::	:		i i	\*  *		Chl-Mt velale	Cp dis. only in Mt-chl veinlet	0.024	0.001	< 0.1	← 0.3	13,4
	****				<u>]. : :</u>	•		! 			٦,		0.020	0.001	< 0.1	← 0.3	10.7
_	(169.30)				1												,
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pth a)	Geol.	TCut3 SCu	<b>(31</b> )				(	Geologic Discription	Assay (5m average)
,	Col.	0.5 1.0 1.		Min.		A	it.	Lithology	TCu SCu Au Ag Fe
	<b>∨&amp;</b> ∨ <b>&amp;</b> ∨				1	1		And massive~hydrothermally brecciated	0.306 0.125 ( 0.1 0.5 21.3
9.79	VAVAV		_]		į			dark gray~reddish brown	0.444 0.263 < 0.1 0.8 22,2
	VAVAV	900 B		Mal. dis.	rock v			"Hydrothermal breccia"	1.056 0.844 < 0.1 1.0 23.7
	v <b>ä</b> v <b>ä</b> v		_ -		Mts		: '	Brecciated&altered And with Mt.Ht stockworks, dark gray	0.670 0.436 < 0.1 0.8 23.5
	V V V			Mal. ≈ Cry	, E	į		,	0.504 0.176 < 0.1 < 0.3 22.9
-	v <b>ģ</b> v <b>ģ</b> ∨	والاستاد	<u>ķ</u>	in frac.					0.690 0.414 < 0.1 < 0.4 24.8
4	<b>* * * *</b>		r //			إ أ	2	Breccia filled wirh Mt. black	0.760 0.444 < 0.1 < 0.4 22,2 0.734 0.150 < 0.1 0.8 34.1
4	<b>*</b>		┨.	Mal # 6	X	Irac.		Breccia filled with Ht (spec), reddish brown	0.552 0.318 0.1 0.8 39.9
+	H,H,H,H H,H,H,H		:٪	Mal. ≈ Cry dis.& in fra	ငန်	White clay in frac		Fe Ore, Ht (spec) >> Mt with minor lithic fragment	1.152 0.326 0.1 0.8 38.7
0-	H H H H		"   "		Ä	/ыйе с		Breccia filled with Mt ≈Ht, black	0.584 0.104 < 0.1 0.5 25.3
+	YAYAY YAYA			Cry > Mal. in frac.	,×,	*		Brecciated&altered Andnd with Ht-Mt	0.348 0.092 < 0.1 1.0 22.8
2.00	¥\$¥\$¥		117	<u> </u>	K WO	<u>,</u>		stockworks, black-reddish And, massive-hydrothermally brecciated	0.498 0.012 4 0.1 2.1 34.0
	v v v v		- :: <u>:</u>	Py » Cp dis	Af sto	I	ङ्	with Ht-Mt veinlets,	0.368 0.012 0.2 0.6 26.5
	^ <u>^</u> ^^ ^ ^ ^		];;;	1	11.8	. [	Oz Velnke	greenish dark gray~black	0.450 0.015 0.2 < 0.3 25.4
8,00	VÄVÄV	2	<u></u>	Carbo	<b>~</b> \	<u> </u>			0.190 0.025 ( 0.1 ( 0.3 18.4
	~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		_ :::	Cp ≥ Py dis	1		Ozati Velulet	And lava, massive aphanitic, dark gray	0.062 0.001 < 0.1 < 0.3 12.8
	V. V. V. V	3	<u> </u>				11.20	with amig. filled with Qz-Cp-Py, black	0.118 0.002 < 0.1 0.7 15.3
-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Ру > Ср				massive aphanitic, dark gray	0.046 0.002 < 0.1 1.0 13.2
$\theta$	v		_ :-	dis	1	<b>A</b>	į		0.053 0.002 < 0.1 0.9 12.8 0.034 0.002 < 0.1 0.7 11.3
-	~~~~		- :::	Cp ≥ Py	11	v)			0.056 0.002 < 0.1 < 0.4 12.9
	~ <u>`</u> ~;`~	\	- :::	dis	1		¦		0.024 :0.001 < 0.1 < 0.3 13.4
6.50	* v * v * v * v * v * v * v * v * v * v	2	:::	Cp ≥ Py	-				0.125 0.002 < 0.1 < 0.3 16.8
-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	f	- ∷	in amig.			! !	And lava, massive, aphanitic, partly	0.103 (0.001 ( 0.1 ( 0.3 16.8
1	00000 0000	5					1	with pl. phenocryst.	0.101 0.002 < 0.1 < 0.3 18.9
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	§	<b>-</b>  :::	į	2		i	with amig. filled with Qz-Cp-Py black	0.089 0.001 < 0.1 < 0.5 17.9
]	0 7 0 9 0 9   9   9   0   9		]:		ndma		į		0.110 (0.001 ( 0.1 ( 0.3 24.0
	V V V	j		Cp ≃ Py	grounder		i	massive, dark gray	0.082 (0.001 < 0.1 < 0.3 21.8
0	`^`^\	7	_ :::	dis	마 SP :				0.127 0.002 < 0.1 < 0.3 18.2
-	0 V 0 V 0	<u>.</u>	  :::		ž		ļ	with amig&pore, black	0.094 <0.001 < 0.1 < 0.5 18.5
-	* * * *	<u>}                                    </u>	- :::	Cp ≈ Py dis	1		1	massive, dark gray	0.122 0.002 < 0.1 < 0.3 13.4 0.124 0.005 < 0.1 < 0.3 16.2
	* * *,*,*		[:::		- 1		! !	massive, with Mt-veinlet, dark gray	0.174 0.006 < 0.1 < 0.3 21.8
7	V 0 V 0 V 0 V 0 V 0 V 0 V 0 V	<b>,</b>	-{:.:	Py > Cp			1	And. lava massive, pl. porphyritic, with amig. filled with Qz-Cp-Py black	0.061 <0.001 < 0.1 < 0.3 17.6
1	V V V			dis	1		   	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	0.036 (0.001 ( 0.1 ( 0.3 12.4
1	*,**,*		<b>⊣</b> ∷:				l I	massive, dark gray	0.011 <0.001 < 0.1 < 0.3 14.6
	*		" ' .;	:	1		i	pl( $\phi \approx 1 \times 3$ mm)	0.013 <0.001 < 0.1 < 0.3 13.0
1	****			Py≫ Cp	1	٠	į		0.011 <0.001 < 0.1 < 0.3 13.7
	* * * * * *	<b>3</b>	]:::	dis	1				0.113 0.004 < 0.1 < 0.3 20.3
*	<b>*</b> , <b>*</b> , <b>*</b>		_:::		1		:	massive(aphanitic), dark gray	0.021 <0.001 < 0.1 < 0.4 18.3
4	`,`,`,` `,`,`,`	-   -	_¦∷	Py ≫ Cp dis			;		0.004 (0.001 ( 0.1 ( 0.3 16.9
5,20	v v	<u>,                                     </u>	:::		i		ţ.	And have received a constitute design	0.034 0.001 < 0.1 0.5 17.8
-	, , , ,		- :::	Cp ≥ Py			펄	And lava, massive, pl porphilitic, dark gray pl. phenocryst is larger than in upper unit	0.090 0.003 < 0.1 < 0.3 18.8 0.038 0.002 < 0.1 < 0.3 15.2
-	* * * *		- ::	dis	!		cal. Veln let	but harrings doe so to Bar sough my abhar appre	0.099 <0.001 < 0.1 < 0.3 19.9
-	****	<del>3      </del>	- ∷		] [ ]		∜ર્સ		0.017 <0.001 < 0.1 < 0.3 17.2
4	*				1				0.077 0.002 ( 0.1 ( 0.3 18.1

-	Negro.									14 (Scale 1/1000) (1/1)	TO SECURE A PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PR
pth	Geol.	TO	1.	SCu						Geologic Discription	Assay (5m average)
n)	Col.	0.	5 · 1.	0 1.	5%		Min.	Ï	Alt.	Lithology	TCu SCu Au Ag
Ō	$\Delta_{\mathbf{A}}\Delta_{\mathbf{A}}\Delta$							·	<b>T</b>	Tuff breccia, partly "Hydrothermal breccia"	0.320 0.140 ( 0.1 ( 0.3 1
1		31. ******			-	••	Mal. in frac.			bre : pl porphyritic And, tuff ?	0.400 0.088 ( 0.1 ( 0.3 1
	$\Delta \Delta \Delta \Delta$ $\Delta \Delta \Delta$	Ŋ,						Ì		with traces of leached out Py.	0.278 0.107 ( 0.1 ( 0.3 1
15.50	<b>A A</b>	3.						<u> </u>	<u> </u>		
-	T T T T T				_				1	Tuff, partly with Ht veinlet-dis., gray, grading	0.216 0.100 < 0.1 < 0.3 1
24. <u>50</u>	TT	T.						<u> </u>	<del>                                     </del>	with traces of leached out Py.  "Hydrothermal breccia"	0.215 0.095 ( 0.1 ( 0.3 2
	T.T A_T_A	3	14				• •			mainly tuff, partly with And.	0.126 0.030 < 0.1 < 0.3 2
	A T A								] .	Ht dis. in tuff ~ lap.tuff	0.220 0.086 < 0.1 0.5 2
. 1	A <sub>T</sub> T <sub>A</sub>	3								Tuff with Ht (Spec) Network, reddish brown	0.150 0.056 ( 0.1 ( 0.3 3
, -	ATA	-			$\dashv$		. 7	٤		Ht (Spec) stockwork with lithic frag.,	0.108 0.028 < 0.1 < 0.3 2
-	A^A^A	J					7. 4.	out you		lithic frag : And, tuff	0.350 0.205 ( 0.1 ( 0.3 2
50-	A_A_A	8	<b>8</b> 23		÷		rith ]			with traces of leached out Py.	0.254 0.101 < 0.1 < 0.3 2
	│ <b>⋛</b> ⋒⋛⋒⋛	3	·		:.		Mal. in frac⊈	pograpo		brownish -dark gray -black	
		L				• • •	ckwr	16.2		Mal. dis. in fractures	0.250 0.111 < 0.1 < 0.3 2
	<u>                                     </u>	2			]		515	1 S			0.278 0.072 < 0.1 < 0.3 2
- [	ŎĨŎĨ:	7					Mal. in frac	<u> </u>		Brecciated And & tuff with Ht (Spec) veinlet-Network, dark gray	0.246 0.059 < 0.1 < 0.3 2
1	ATAT VAVA				.	•	mai, in trace	- P		with traces of leached out Py.	0.236 0.055 < 0.1 < 0.3 2
-	A,A,A	<u>⊠</u> 3.		I				. 9	1	Ht (Spec) stockwork with lithic fragment	0.146 0.061 < 0.1 < 0.3 3
	AAAA		_				*	(	1	Black spec&reddish, brownish lith.	0.332 0.178 < 0.1 < 0.3 3
	A A A	- S			_	:::	Mal. in frac			Mal.dis. in fractures	
	^,^,^		<u>.</u>			rr:	X %			*************	0.118 0.037 < 0.1 < 0.3 3
	<b>####</b>	, K	- CO	į		. : :	Mal, in frac.			Ht (Spec). ore, black	0.466 0.326 < 0.1 0.8 4
	^A^A	E 225				•••	Spec			Ht (Spec) stockwork with lithic fragment	0.182 0.064 ( 0.1   0.8 3
0-		o	_			1	H			black spec & pale gray~reddish lith	0.114 0.045 ( 0.1 0.9 3
6.45	ΔΔΔ	3					· · · · · · · · · · · · · · · · · · ·	`		Brecciated And.	0.074 0.005 < 0.1 0.6 2
-	AVAV				4	• •	Py > Cp dis.	oxidized		And lava, gray-dark gray, aphaniticwith amig., partly "Hydrothermal breccia"	
	V 0 V 0 V	Rose Res	ı			.∷	Cp in amig.	oxk	1	with amig. filled with Qz & Mt (upper)	
	00000		٠.		╝	•	Mal. in frac		;	massive with Mt veinlet, aphanitic (lower)	0.298 0.094 < 0.1 < 0.4 1
	0 V 0 V 0	}					Cp dis 쀨		1	Cp & Py in Qz.	0.070 0.008 < 0.1 < 0.3 1
	VAVA	,		Ĭ			dis.			brecciated lava, with Mt-Ht veinlet with traces of leached out Py	0.035 0.007 < 0.1 < 0.3 1
	VAYA.	2		_		.	8	•	₩ .	massive partly with Mt (+Py) veinlet	0.115 0.024 < 0.1 < 0.4 1
1	vy•vy•	f				:::	Py > Cp dis.		•	dark gray	0.108 0.012 < 0.1 < 0.4 1
1	VA VA	<u> </u>	$\dashv$	-	-	:::	Py > Cp dis z			Cp in Qz-Chl veinlet	0.149 0.016 ( 0.1 0.5 1
-	VA VA	ξ						-			0.160 0.029 ( 0.1 ( 0.4 2
50-	V 0 V 0 V		_		f	•	Cp ≈ Py dis	 i		And lava, pl porphyritic, dark gray-black	
	* 0 V 0 V	ا ڪ						:		autobrecciated lava & lava	0.138 0.012 < 0.1 < 0.4 2
	0 0 0 0 0 0 0 0 0 0	<b>%</b>	Į	į	ľ					with amig. filled with Qz, Py & Cp	0.194 0.031 ( 0.1 ( 0.3 2
1	0 Ý 0 Ý 0 T T T	E			7					Hyaloclastic tuff, black-greenish gray	0,260 0.021 < 0.1 < 0.3 1
1	V0V0V	F		<del> </del>			Cp > Py dis 중			lava flows (4units).	0.272 0.004 ( 0.1 ( 0.3 2
1	00000	<u> </u>			-		with			with amig. filled with Qz, Mt, Cp&Py	0.121 0.002 < 0.1 < 0.5 1
-	V 0 V 0 V 0 V 0 V 0 V 0 V 0 V	<u>g</u>					Cp > Py dis ខ្ន			James Grand Hamil Son was Speen J	0.218 0.003 < 0.1 0.5 2
9.60	V 0 V 0 V	<b>]</b>			ᅪ		Cp > Py 등	<del> </del> -		And lava, aphanitic, black	
	~,ॅ~,ॅv	1					E E			massive, with amig, at the top,	0,093 0.001 4 0.1 0.6 1
	<u> ϪνϪνϪ</u>	اح	_	_	_ [	•••	Project Co. 4			Cp & Py in amig, & And	0.064 <0.001 < 0.1 < 0.3 1
	*****						Py » Cp			lava with amig.~auto brecciated lava	0.196 0.002 < 0.1 < 0.3 1
8,30 10	$\Delta V \Delta V \Delta$	5				<b>∴.</b>		<u>:</u>		Cp & Py in amig & And	0.078 0.008 < 0.1 < 0.3 1
U	* * *						]			And lava, pl porphyritic, massive, dark gray Py dis in And	0.021 0.003 < 0.1 < 0.3 1
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Depth	, ,	TCu□ SCu□		-1	Geologic Discription		ssay (			
(m)	Col.	0.5 1.0 1.5%	Min.	Alt.	Lithology - Talus deposits	ICu	SCu	Au	Ag	F
0 1.25			AL AL CANADA		Sheared and silicified rocks				<u> </u>	
٠_	[v ] <sub>[v</sub> ]				mainly aphyric andesite, partly tuff, porphyrite				ļ	
_	[ 7/Y ]				and cataclasite					ļ
	\ <u>*</u> /:]				mainly sheared anhyric andesite, tuff					l
	/- <u>-</u> -				mainly sheared aphyric andesite, tuff and partly granitic rocks					
25.4 —	学计									
	ノサスト				mainly sheared granitic porphyite(intrusive ?)				ļ	ļ
4.0 _	T/V									
_	M								ļ	
-	TV				mainly sheared aphyric andesite, tuff and partly granitic rocks				<u> </u>	ļ
50 –	v/T				and partly granine rocks					
	7/									ļ
	<b>₹</b>									
52.0	<i>Y</i>				mainly nombysite and Jacisia ranks				I	Ī
7.0	<u> </u>				mainly porphyrite and dacitic rocks	<b> </b>			}	
	レンシト		Mal. frac			<u> </u>				<u> </u>
	[V]T	3   -   -   -	1		aphyric andesite and tuff				ļ	-
	<b> 对 以</b>	<u>'                                       </u>	1						ļ 	ļ
4.0	Y [ ]				AND A SECTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY				ļ	ļ
	7+/*		· .	silicified	sheared granitic porphyrite(intrusive ?)					
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00 -	/\/		Py, Cp dis	Ì		<u>-</u>				
_	<sup>┸</sup> ┸ <sup>┸</sup>			1					<u> </u>	ļ 
_	V	"	Mal. frac		cataclasitic andesite					<u> </u>
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	VVV	····		<u>                                     </u>						
32.0	ΖγΧ	┍╂╼╂╼┧	Py, Cp dis							
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	<u>+</u> [v]		<u>/- </u>	1						
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50 –	*\ <u>\</u> \\				mainly sheared porphyritic andesite and dacite, partly aphyric andesite					
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-	<b>//</b>	)	Mal frac				· ·			
	VXV)				mainly cataclasite, partly aphyric andesite					
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2.25		<del>"                                     </del>	a de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della composición della comp		Fault					
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				c^	آهي			ſ	Geologic Discription	Assay (5m average)
epth (m)	Geol.	i		SCI			Min	Alt.	Lithology	TCu SCu Au Ag
(m)	I	0.	5 I	.0 I	.5%		Min.	Weathered		0.004 (0.001 0.1 < 0.3
٠.	~~~~	ļ	ļ			1		and Evapor ate	Origine is andsite, with Qiz Network partly Siliciide	0.003 (0.001 0.1 ( 0.3
	VVVV					-1			partry sinchue	0.003 (0.001 (0.1 ( 0.3 )
15.00	`v`v	<b> </b>		ļļ		<u>.</u>		Cillater & alone		<b>—</b>
÷	,,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ļ			7		Silicified, clay Gypsum	Andsite Lava,	0.027 0.004 < 0.1 < 0.4
· <u>-</u>	<b>'</b> ///\'	L	ļ			-			greenish gray	0.008 (0.001 ( 0.1 ( 0.4 )
	YX.	- :-	Ŀ	$\sqcup$						0.009 (0.001 ( 0.1 ( 0.3 )
	\ <u>/</u> \/\/\	ļ		ļļ						0.011 0.001 < 0.1 < 0.3
	SK	L_			:					0.005 0.001 < 0.1 < 0.3
· .	V/V/v								Lower part, Andesite/Tuff	0.026 0.003 < 0.1 < 0.3
<b>-</b> 0	7/1/1				-			argilitic	Andsite Tuff, Brownish gray	0.205 0.044 < 0.1 1.0
50-	, <i>y</i> , <i>y</i> ,	•	223				mal in frac	argilitic, gyp in	Andesite Lava~Andesite Tuff	1.130 0.621 ( 0.1 3.0 10
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		<b>1</b>			. : :	mal in frac	frac.	greenish gray	0.688 0.306 < 0.1 1.4 14
	*****	_# <u>#</u>	3							0.422 0.200 < 0.1 1.8 1
•	12.5	i e	Ī							0.456 0.133 0.1 1.8 17
	100	,						oridized		0.292 0.072 < 0.1 1.2 1
	16/1							oxidized		0.330 0.090 < 0.1 0.9 1
30.70	K.A.	Ċ					mal in frac		Andesite Tuff & Brownish gray brown	0.626 0.418 0.2 3.5 1
4.30	1/1	883				بسب	(Mt)			0.356 0.129 0.1 0.7 1
	JyJy	8	:				mal in frac		Mylonitic Andesite with calcite Veinlets	0.662 0.194 0.1 1.9 1
	/ y y			2	:		Mt Py > Cp		Dark greenish gray	
0-	1/y	5	<u> </u>	-	-	::	(Bor?)		G g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g g	0.328 0.004 < 0.1 1.5
	11	,	1							0.474 0.009 0.2 1.7 1
	71 y	Ċ			_ .		Cp dis in rock			0.428 0.009 0.2 2.3 1
_	1/				:	⊹⊹			<b>√</b>	0.274 0.004 0.2 1.9 1
_	<i>y</i> /	<u> </u>			_		·			0.100 0.001 ( 0.1 1.9
	1/	5				/• •	Mt Cp dis poor > Py		Mylonitic Texture	0.386 0.006 < 0.1 2.1 1
	УN	323			╝.	• • • •			The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	0.161 0.006 < 0.1 1.2 1
	$\mathcal{N}_{\mathcal{I}}$	ξ.								0.085 0.001 < 0.1 1.3
Ī	XX	}	3			:				0.183 0.002 < 0.1 1.5
	£/"						1360 Ср			0.054 0.001 < 0.1 1.3 1
	ss/"	,				\	veinlet let Cp dis.			0.036 0.001 < 0.1 3.5 1
0-	S.S.	<b>1</b>				٠٠	very poor		Mt vom common	0.110 0.001 < 0.1 2.0 1
-	1/2			1			partly Cp dis		Mt very common	0.002 (0.001 ( 0.1 1.9
-	w y				-	•	parity Cy dis			0.002 (0.001 ( 0.1 1.7
-	$Z_{\mathbf{z}}$									0.001 <0.001 < 0.1 0.6
-	<i>y</i> / <sub>v</sub>	$\vdash$			$\dashv$					0.001 (0.001 ( 0.1 ( 0.3 1)
	<i>/</i> _/v			┝┤	$\dashv$					0.017 0.004 < 0.1 < 0.3
-	/ <sub>1</sub> /v	$\vdash$		H	$\dashv$					0.007 (0.001 ( 0.1 ( 0.3 1
-		<b></b>					On die in most.			0.025 <0.001 < 0.1 < 0.3 1
-	<i>f f</i> ''		_			• • •	Cp dis in rock			
-	Y/"	<b>  </b>							4	0.020 <0.001 < 0.1 < 0.3 1
0-	<i>y/</i>					,	Cp veinlet			0.049 (0.001 < 0.1 < 0.3 13
-	1 y /	3. 2				1			partly Aphanitic Andesite	0.120 0.002 < 0.1 < 0.4 1
_	//v	<u> </u>	_	┝╌┆	_	,,,	Op veinlet			0.262 0.004 < 0.1 < 0.4 12
-	//v			<u>                                      </u>		111				0.119 0.002 < 0.1 < 0.5 12
_	(216.75)				1					0.034 <0.001 < 0.1 < 0.4
									·	
7					1			<u> </u>		
		F :		1	1					

Cerro	Negro.		Ch	ile		_	Drill#	MJC	CC-1	7 (Scale 1/1000) (1/1)	(Dept	h: 0	.00m-	160	0.05m)
Depth	Geol.	TO	1[]	SCu					(	Geologic Discription			5m a	· · · · · · · · · · · · · · · · · · ·	<del></del>
(m)	Col.	0.5	5 1.	0 1	5%		Min.	A	lt.	Lithology			Au		
0	T T T T T T T T T T T T									Andesitic tuff: greenish gray, partly with Ht greenish grading & banding	U	·	ļ	<u> </u>	3 13.54 3 20.54
10,80	<del>~                                    </del>		ga l			:::	Mal. iu frac	11		And, aphanitic, partly with Ht (Spec) veinlet, gray mal. in frac, & Ht veinlet	4-24-2447-44*		•	······	3 23.94
17,00	T T T T							 		And lava, breccia & tuff, greenish gray,		Ļ	ļ		4 23,20 3 19,47
_	XOXOX	) 130					cin et	1 1	÷	And is pl porphyritic or aphanitic, Mt dis. is porphyritic.		<del>.</del>	<del></del>		4 14.40
30.70 	V V V						Mt dis - y	1		And lava, aphanitic, dark gray, Massive,		·	0.1 ،	ļ	3 16.40 8 17.54
-	VAVAV			,		 . \\.		oxidation	•	altered along fructure, leached out Py.		0.822	ļ		2 27.80
en -				223 23		:Y:	Mal & Cry dis~veinlei ∺			Brecciated, with Ht (Spec) network network with traces of leached out Py.	0.986	0.451	0.1	0.	6 24.9
50-	V~V~			arssa.			Mal. in frac	1		Massive, with Ht & Mt dis. ~veinlet				·····	4 17.6
	V, V, V, V, V, V,	1			_		W (&)			mal. in frac.		<u>.</u>	← 0.1 ← 0.1	·····	3 14.97 5 13.64
65.40	νΔνΔν • • • • • • • • • • • • • • • • • • •							<u> </u>		Auto brecciated lava And lava, aphanitic, dark gray			į	į	3 15.8
	vi vi v vi vi v							'		Massive, with many pores after passes of			· (	. <u>i</u>	4 12.3
	Ŷ <u>Ŷ</u> ŶŶ									fluid, no mineralization.		<u> </u>	<u>.</u>		3 12.18
_	<u>∨ ∨</u> <u>X≎X≎X</u>							1		Auto brecciated lava hyaloclastic tuff		Ļ			4 14.50 4 13.10
			_							eat			( 0.1	·	3 11.8
	`,`,`,`							<b>√</b> 3		Massive, partly with high angle cal veinlets			<b>, 0,1</b>		
100	~;~~ <u>~</u>	$\Box$	-		_		Cp film in frac Mal. in frac			Cp dis. along cal. veinlet  Mal. in cal veinlet			٠ 0.1	,	7 9.9
	,,,,,,,						Cp dis	3			ļ		< 0.1		
1	v <sup>v</sup> v <sup>v</sup> v		••••				s K		•	Massive, with amig., white clay veinlet		÷	·	ļ	3 11.98 3 10.08
	V V V	-	-				Cp in Qz	·		Massive, with Qz veinlet		ļ		<u> </u>	3 9.4
. ]	~~~~ ~~~~						veinlet §			Cp rarely in Qz veinlet	0.003	<0.001	< 0.1	، 0،	3. 7.92
130.80	V 0 V 0 V					••	Py » Cp in			And lava, pl porphyritic, dark gray ~ black			← 0.1	<u> </u>	
	00000 00000 00000						Qz			several thin lava flows with amig. at the top & bottom parts of each flows.		<del>}</del>	<u> </u>	ġ	3 12.34 3 12.70
	\$0\$0\$ \$0\$0\$									Cp dis, in amig. and Qz-chl veinlet	}		٠ 0.1		
	φ φ φ φ φ φ φ φ Δ Δ Δ						Cp ≫ Py dis			at the bottom, hyoloclastite ( $\angle$ 10 $^{\circ}$ )	0.008	ر0.001	٠ 0.1	٠0.	3 12.4
155,05	00000 00000									And lava, aphanitic, with amig. filled with Qz, Mt, & P	y 0.002	<0.001	0.1	، 0.	4 9.5
,	(160.05)				-						ļ	ļ	ļ	ļ	
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`erro	Negro.	(	hile			Drill#	M,	ICC-1	8 (Scale 1/1000) (1/1)	(Dept	n: 0	.00m•	184	1.35n
epth	Geol.	TCu	3 SC	u		***************************************		(	Geologic Discription	***************************************	å <u>.</u>		verag	ge)
(m)	Col.	0.5	1.0	1.5%		Min.	<u> </u>	Alt,	Lithology	TCu	SCu	Au	Ag	Fe
02,70	Δ∇Δ∇						<u> </u>	<u> </u>	Alluvium Ht rock >> Mt rock	0.106	0.024	0.1 ،	₹ 0.3	3 30.0
8.80	T T T T T T T T			┸			ļ	<u> </u>	And tuff, pale yellowish green	0.005	0.001	0.1 ،	₹ 0.3	3 1.9
	* * * *			1				clay	And lava, pi porphyritic, argilitic alteration,	0.006	0.001	₹ 0.1	₹ 0.4	1 2,1
	*\\\	:			-	;		White clay	greenish gray with white veinlets	0.005	0.001	∢ 0.1	0.3 ،	3 4.
1	* * *						akt			0.009	0.002	₹ 0.1	< 0.3	6.
. –	* * * *						Qz-Cal velalet			0.005	<b>&lt;0.001</b>	< 0.1	( 0.3	3 3.
- 1	* * *						Ö			0.007	0.001	< 0.1	₹ 0.3	3 3.
35.08	* * *								altered greenly, without white veinlet	0.002	0.001ء	0.1 ،	₹ 0.3	3 5.
45.00	* * *				<b></b>		12		gray~greenish gray Oz Fd, Cal vein	0.013	0.004	0,1	0.3	3 4.
- 1	Q Q Q V V V	-					ទី		And, massive, aphanitic, grayish green	0.003	0.001	٠ 0.1	₹ 0.3	3 8.
50- 52.00	V V V		$\top$	1-			<u> </u>	·		0.008	0.003	₹ 0.1	₹ 0.3	3 3.
58,40				1			Ţ	· · · · · · · · · · · · · · · · · · ·	Diolitic And, Fd porphyritic, massive gray-pale gray	0.022	0.011	⟨ 0.1	₹ 0.3	3 5.
38.40	V   S Y   S V   S   S V   S	-	+	1	• • •	(Cp, Chry)	Netw	Silicified	And? deformed strongly, greenish gray-dark gray	***************************************	0.028		<del></del>	7.
64.50	v v v		-			(Cp, Chry)	T.		And, aphanitic, massive, dark green				0.3	
70.10	v v v		-	+		(cy omj)	ර්				0.032			5 10.
76.00	, » , , » ,	P			ļ <u>i</u>		<u> </u>		And, pl. porphyritic, massive, dark green				₹ 0.5	<del></del>
	, v v v	H	-	1			,		And, dyke, aphanitic, massive, greenish gray				(0.3	
83.00	00	<u>k</u> 3	-	+-		(Mal)			And. pl. porphyritic, deformed		0.019			<del></del>
-	@ @ @ @	1	+-	-				······································					i	9.
	X X X	( t				(Mal)	펄		And, aphanitic, massive, greenish gray partly with Qz veinlet in fracture		0.014			5 9.
00	N. X.		4	4		. ,	velalet.		partiy with Q2 veimet in tracture	<b>—</b>			₹ 0.3	
`` ]	\$ \$\d	2000				(Chry)	įδ			0.119	0.015	₹ 0.1		3 11
			$\perp$			,,				0.058	0.016	₹ 0.1	1.2	2 9
·J	* * * V V V								(And. pl. porphyritic, dark greenish gray)	0.072	0.024	< 0.1	0.6	5 9
	~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\								(And. pr. porphyritic, dark greenss gray)	0.055	0.016	٠ 0.1	1.8	3 8
. ]	<b>Y</b> , ⟨ <b>Y</b> , ⟨ <b>Y</b>							:		0.048	0.011	∢ 0.1	2.6	5 9
	<b>₹</b> \$\$		1				İ		······································	0.026	0.004	₹ 0.1	1.4	1 9
- 1	1, N, V			$\Box$					with Qz-network f white veinlet	0.067	0.018	₹ 0.1	1.1	l 11
1	%%\ <u>`</u>	2	-			·	참		l pinkish veinlet	0.041	0.008	0.1	1.1	l 9
	@ <b>@</b> @						S.		(And at normhyritic dark greenish gray	0.096	0.027	₹ 0.1	1.9	12
	\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\ext{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exittit{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exittit{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitin}\$}}}}}}}}}}} \endettinesetintetitinfti}}}}} \endettineseti	E	-f	1-1			O.F.		(And, pl. porphyritic, dark greenish gray brecciated fragments filled with aph. And.)	0.027	0.006	< 0.1	1.7	10
50	~°°, ~°		╁	$\forall$	İ	• .				0.042	0.012	₹ 0.1	2.2	10.
4.80	× 60°		+	+		(Chry)	SrNed		And, Shear fault zone,		0.037		<u>.</u>	10
50.70	^ <u>^</u>	-	+	┼┤		(0.1.3)	ō_	· · ·	with Qz-network		0.033		.j	4
-	J.J.								And, aphanitic, massive, greenish gray		0.044		. <del></del>	<b>5</b> 4
	J. J.	-		+			niet.		with Qz-Fd vein & network		0.018		į	4.
-	٧٧٠٪	ļ					g ve		{ white veinlet		0.020		<del></del>	5 3
-	J.J., S. S.						₽. 8		\ pinkish veinlet		0.020		- <u>-</u>	·
1	(184.35)			-			-			0.036	0.014	4 U.1	∢ 0.3	) U.
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Depth	Geol	7	rCu		SC	ı		adambadan dan da madalan ya anda makaman k	(	Geologic Discription	Α	ssay (	5m a	verag	e)
(m)	Col.		0.5	1.	0 1	.5%		Min.	Alt.	Lithology		SCu		Ag	Fe
0	۷ ۵ ٪	/o	][							Pl-rich porphyritic andesite with amygdal tex.					
3.0 _	Τ Δ Δ Τ	₽.		2						Tuff breccia and lapilli tuff brownish gray color					
13.8		ÿ 🖟	<b>,</b>				1	Mal. frac		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	-				ļ
_	ν,	, À	1 }		_		<b>'</b>			Porphyritic andesite, partly brecciated andesite greenish - brownish gray color			ļ	ļ	ļ
	Δ	r	Ų.			·	1	Mal. frac		greenish - blownish gray color					ļ
· -	Ÿ v	Ÿ 🎒				_	7.				<u></u>			ļ	ļ
_	V ,	V 🎉	Ä.									.,			ļ
37.0	۰۸ <u>۰</u> ۸	γ¥,	4							Aphyric andesite(massive) with amygdal tex.					ļ
_	v V	νľ	7							greenish - brownish gray color				ļ	<u> </u>
49.9 50 -	v_						Ŋ.		<u> </u>		-				
	TΔ	200		225				Mal. frac & veinlet		Tuff and Tuff breccia					<u> </u>
	Δ T T Δ	- 53	ď	١ ١						gray - light gray color		·			
61.7	Τ_Δ Δ Τ	- 78	()- 5	ï						Fault					
	ΤΔ	- 1	Ţ	P											
	ΔΤ			7											
-	ТΔ	100	}	····}	]									ļ	ļ
82.2	ΔΙ	- 0	$\parallel$	+			_								
86.2	V A	. <b>_</b> +	3]-	$\dashv$		-	_			Brecciated aphyric andesite Brecciated andesite abundant in Mt,Hm and Sp Ore					
89.3 –	T Δ	773	1	+			ļ			Tuff and Tuff breccia					
	ΔΤ	F 2.	7-			:				gray - light gray color					
100 -	ТΔ	- 1:	}	-									<del></del>		
107.0	ΔΤ	- 100 100 100 100 100 100 100 100 100 100	<b>.</b>   .										·		
112.0		r 🌡	<b>}</b>	+						fine tuff(sandy - coarse tuff)					
-	νΔ	- 1	ς.							Brecciated andesite and aphyric andesite					
<b>-</b>	ΔV	- 14.	4			_				greenish gray color					
124.0_	V _	-13	<u>.</u>												
-	Δ T	10.3	,	_						Tuff and Tuff breecia gray - light gray color					
_	ΤΔ		<b>b</b>	_			11	Mal. frac		gray - ngm gray color					 
_	ΤΔ	133		4		,	1				ļ			ļ	
~	ΔΤ		}				ŀ							ļ	ļ
150 -	ТД		1	_				Mal. frac							<u> </u>
	ΔΤ	1		_			/:					·			ļ
157.0	V\	7		$\perp$						Hornbrend andesite(massive) dark gray color	<u> </u>			ļ 	ļ
165.1 -	<u> </u>	1	3							Trombiend andesne (massive) dark gray color	ļļ				ļ
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Depth		TCus	SCu	8			*******************	Geologic Discription		ssay (	************	••••••	ge)
(m)	Col.		0 1.5		Min.	_	Alt.	Lithology		SCu		Ag	Fe
0	T T A	I I		<u> </u>	Mal.dis		Î	And lava & tuff, gray~reddish brown	***************************************	***************************************			3 27.76
	A T T			_		,	!	with Ht veinlet, lava is pl. porphyritic		***********			3 20.62
12.20	TTT	<b>1</b>	<u>                                     </u>		Mal.dis			And tuff, mid-fine, greenish gray,		***********			3 16.84
-	T T T T T T		(3884C3)	<u> </u>		ğ .		partly "Hydrothermal breccia" with Ht		••••	**********		3 31.42
_	A T A T			١.	Mal.frac	90	!	(Spec) Network					3 24.16
27.40	VAVA.	<b></b>		<u> </u>	Mal frac		1	And pl. porphyritic, gray~reddish brown					3 21.74
	* * * *		<u>                                     </u>		Mal.frac		1	strongly fractured		*************			4 18.18
39.30	* * * T T T					1	<u>i</u>						5 19.48
_	TTT		<u> </u>			X		And lava, gray~reddish brown	***********			• • • • • • • • • • • • • • • • • • • •	3 21.40
49.65 50-	TTT					X-		strongly fractured				<u></u>	3 22.34
]	`\\\\		<u> </u>				8	And lava?, yellowish brown ~reddish brown		ميتم وميثثيروه			3 20.82
	~\\\\\				Ì		oxklation	strongly fractured ( $\angle$ 30°)					3 27.72
61.30	V V V						l	"Hydrothermal breccia"		·			3 27.12
	<b>VAVA</b> .V	7		_			  -	And with Ht (Spec)					3 18.40
	v Av Av							& Mt, dark gray~reddish brown					4 29.36
<u> </u>	VAVAV							strongly fractured ( < 30 °~ 40 °)	0.390	0.073	∢ 0.1	l <b>0.</b>	6 26.28
	v v v	5			1				0.382	0.084	∢ 0.1	1.	0 32.64
	∨ <b>ົ</b> ∨ີ∨			_	3				0.390	0.084	< 0.1	L 0.	7 31.78
					1		·		0.356	0.069	< 0.1	<b>.</b> 0.	9 31.40
100-	V V V						:	And, aphanitic, massive, gray with	0.452	0.107	ر 0.1	l 0.	6 34.10
100	v v	8			(20)	Ì		Ht (spec) veinlet-network with	0.522	0.124	∢ 0.1	0.	7 23.88
]	нин	5		<u>.</u>	,			Ht (Spec) stockwork with And.	0.318	0.092	ر 0.1	⟨ 0.	5 34.64
	нин		İ	]. : ·	Mal.frac		•	fragments, black (Spec) & yellowish	0.300	0.087	< 0.1	l <b>0.</b>	7 32,72
	нин	1			Mal.frac			brown (lith), Mal. dis. in fractures.	0.392	0.252	0.2	0.	6 47.48
124.00	H H H			<b>-</b>	<u>'</u>	X			<b></b>	0.594			8 30.62
	~,~,~				Cry in frac			And lava, aphanitic, Massive, dark gray	0.140	0.069	₹ 0.1	l (0.	4 13.62
	YJYJ							browish gray, hydrothermally altered	0.060	0.016	٠ 0,1	L; < 0.	4 13.36
	VI.V.V.	2		]	Mal in frac			along fractures.	0.194	0.037	· 0.1	(0.	4 15.76
	AYAYA	7		<u> </u>  ···	Mai m mac			auto brecciated, dark gray-brownish gray altered along fractures.				ļ	5 15.90
150-	^, ^, ^,				E Por							<del></del>	3 12.66
100	, v , v ,	B23		<u>.</u> ]	Mal in frac			Massive, dark gray~browish gray, hydrother wally altered along					3 11.76
_				<u>]</u>	Cp, Mal dis.	ii '	8	fractures, Mal. in fractures, Cp dis. in Qz		************			3 12.24
	v	<u> </u>	ļ.		ž		oxidation	Py dis. in Ht veinlet.		**********			3 13.44
	v v v						ŏ	fractured, brown-brownish gray.					3 17.36
172.30	TTT	7		-		╬┤		auto brecciated lava ~hyaloclastic tuff	<u> </u>			<del>:</del>	4 17.90
	0 7 0 7 0 9 0 7 0 7 1 7 1 7							And lava, pl porphyritic, massive, dark gray with brown parts	***********	***************************************		<del></del>	3 14.52
	1010 0000 0000 0000 0000 0000				Mal in frac			partly with amigs filled with Qz & Py		•		•	3 15.52
_	(187.65)	·		+	<u> </u>	ابع	l	• • •	0.122	0.040	< 0.1	< 0.	2 11.36
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Drill# MJCC- 22 (1/1)(Depth: Cerro Negro. Chile (Scale 1/1000) 0.00 m -165.00 m) Assay (5m average) Geol, TCu SCu Geologic Discription Depth TCu SCu Col. Lithology (m) 0.5 1.0 1.5% Min. Alt. Non Core ٧ ٧ Aphyric andesite, pl-rich porphyritic andesite Δ Weatherd zone and brecciated andesite, with tuff breccia brownish gray - brown color Aphyric andesite, with amygdal tex.
Fault(with fault clay) 37.0 Hornbrend andesite, with brecciated andesite Fault ΙΖΙΔ Brecciated andesite, aphyric andesite and pl-rich porphyritic andesite 10 0 dark - brownish gray color | V V V Hornbrend andesite(homogeneous) V VI dark - greenish gray color Ÿ ₩ ٧ Ÿ Ÿ ٧ ٧ V 100 -٧ ٧ Ÿ ٧ 143.0 Aphyric andesite, partly brecciated andesite Hornbrend andesite, dark gray color Aphyric andesite, partly brecciated andesite Δ Hornbrend andesite,dark gray color 165.0 200

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-	T T T T							Weatherd zone	Tuff breccia and fine tuff brownish gray - greenish gray color					
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77.8	<b>V V</b>	- E-3		******		14	Mal. dis & vein with cal	the d	Basaltic andesite, with andesite fragments					ļ
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_	<b>A A</b>	Ľ,				V	Mal. frac		brown - reddish brown color					ļ
	<b>A A</b>	223						Oxide zone	. :				ļ	
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36.4		M.			, Nag		Mal. frac				ļ			<del> </del>
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	ا 🕏 وُ الْآ	Ę.					Mal. dis		partly brecciated andesite abundant in Mt,Hm		ļ		ļ	ļ
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65.3	V V	7237. <u> </u>	<del></del> -				Py Cp dis		Aphyric andesite, partly brecciated andesite		t			1
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_	. V ▲	2							gray - brownish gray color		ļ		ļ	ļ
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91.9	V V						<u> </u>				ĺ		<u> </u>	<u> </u>
	v v	)							Aphyric andesite, with amygdal tex.					
100 –	v								Aphyric andesite, partly brecciated andesite		1		I	T
06.7	VV	;									1			1
-	ΰŸ	$\vdash$							Pl-rich porphyritic andesite(massive)					†·
-	V	<b> </b>						e seri	with strong magnetism					ļ
	Ϋ Ϋ Υ	2									ļ			<u> </u>
	V V	<b>.</b>										:		ļ. ‡
	v v	5				. ,	Sp,Py & Cp network vein		Cault					
131.0	ÿΔÿ						network vein		Fault					ļ ·
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,				٠.			Pl-rich porphyritic andesite(massive) partly brecciated andesite with strong magnetism					
	ν , ν					`	-		dark gray color					
-	v v	}				٠ ٔ	Sp,Py veinlet			····				
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187.5	٧			,.		.								1
. 4	VV		_	_	·	٠.	Py dis		Aphyric andesite dike(poor magnetism)					‡
192.5	ν , ν						-							<del> </del> -
200 -	ο V ο Δ Δ		_						Pl-rich porphyritic andesite with amygdal tex.		ļ			<del> </del>
_	Ÿ		]	l	ا				and strong magnetism					<b></b>
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223.5	V	<del> </del>							Aphyric andesite(massive), with strong magnetism	<b></b>		<b>_</b> _		<del> </del>
_	V V	<u></u>							gray - dark gray color				ļ	┼
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	VV	223						٠.						
	ν.					`	Py,Cp,Sp,Mt veinlet							Ī

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(m)	Col.	C	.5	1.0	1.5%		Min.	Alt.	Lithology	TCu	SCu	Αu	Ag	Fe
250	V V	ļ				1	Mt, Py, Cp veinlet		Aphyric andesite with amygdal tex., gray - dark gray color					
.59.5 	* V *								Pl-rich porphyritic andesite with amygdal tex. and strong magnetism, dark gray color					
70.6 <sup></sup> 	V V				ļ				Holocryst. porphyrite, partly basaltic andesite					
-	000	3	223	_			Cp veinlet		injected into porphyrite gray - dark gray color					ļ
-	V	_	-	-	-	  :::								
300- 02.1	\$ \$			-	-	<u>''</u>	Cp network veinlet Cp,Py dis	:	Fault	_	<u></u>			
-	v v					)	Cp,Py veinlet		Pl-rich porphyritic andesite, with amygdal tex.				about the bill	ļ
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 29.5_	v v			ļ	ļ			and the second					1	<u> </u>
29.5_ _	* * *				-				Basaltic andesite, partly brecciated andesite blackish gray color					ļ
_ 44.5 _	<b>V</b> V				-	``	Py,Cp veinlet		Fault Porphyritic andesite	_				
48.0 50 —	V V V V	-			-				Holocryst. andesite, partly porphyritic andesite dark gray color	_				
55.5	v v							100	Pl-rich porphyritic andesite(massive) partly holocryst. tex. and amygdal tex.	-				
_	V V	-			ļ	,	O- D- P-		dark gray color					ļ
_	V V	<u>}</u>					Cp,Py dis							ļ
:_ 88.3	8 %	ļ		ļ		<u>`</u> :	Py>Cp dis							
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-	A A		942			V V		Oxide zone		lithic frag. : aphyric matrix : Sp,Hm>M	c andesite, tuff and iron Ore				ļ	
-	A . A	Ġ.	-		-	/"	Chry. film	0		• ′			<b>.</b>	ļ	ļ	
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				220000		<b>)</b> \/	Mal. frac				:					
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48.8 50	0 6	2	-	<u>_</u>	_		Mal. frac		1	A about a and astaclas	and all with hangings				ļ	ļ
٠,-	V V.	) 		ľ		\		weathered zone		andesite abundant	assive), with brecciated tin iron Ore				ļ 	
-	V V • <b>A</b> •							weather		and amygdal tex. gray - brownish g	ray color					
70.0	0 V 0	5_	$\vdash$	ļ	<u> </u>	Ls.	Sp,Mt,Hm vein			A 11	the accordance of the second			<b></b>		
77.8	V ∘ V ∘ <b>A</b> ∘	<b>3</b>	ļ		<u> </u>	$\mu$	эр,ми,гии чеш			Aphyric andesite, wit and brecciated and	desite abundant in iron Ore			<b>-</b>		
-	V V V V	\								Aphyric andesite(ma gray - dark gray c	ussive) color					
v.	v	-		_		J,	Sp,Mt,Py veinlet									
100-		]"				-										
106.0	V V	Ţ	ļ				Py,Cp in amyg.		<u> </u>	Pl-rich porphyritic an	ndesite(massive)					
113.2	° v ° v v	)( (					Py,Cp in amyg.			Pl-rich porphyritic an partly amygdal tex Pl-rich porphyritic an	desite(massive)					
	0 V 0	<b>,</b>	-		_				٠	partlŷ amygdal tex. Fault	dark gray color					
125.6	IV I VI	_								Aphyric andesite, par	rtly brecciated andesite					
4	V   V     V      V   V	ļ								abundant in Mt,Hi brownish gray col						
	V V	ļ												<u>-</u>		<u> </u>
	v v	-	-				Sp,Py,Mt vein									ļ
130.1	<b>A</b> V <b>A</b> V		-			<del>(</del>	Sp,Mt veinlet		· · ·	Aphyric andesite, wit						
-	v - v v · v v · v	ļ				: ;;	Py>Cp,Sp dis			Pl-rich porphyritic at and strong magr	ndesite with amygdal tex.					<u> </u>
-	0 V 0 V 0 V	-								dark gray color		40.00		:		
102.0-	, y , v , v															
3	ν ° ν • Δ <i>•</i>						Py>Cp dis			Porphyritic andesite brecciated andesit	, with amygdal tex., partly	1000				
191.0	V ∘ V ¥										rtly brecciated andesite		H			<u> </u>
ാന⊢ി	<b>♥</b>	[								with strong mag dark gray color	gnetism	- 4	1			-
	<b>₩</b> ₩	<b></b>					Py>Cp dis								···	
213.0	<u> </u>									Pl-rich porphyritic an	desite, partly brecciated andesite					ļ
225.5	V V	 					<u></u>		···············	Fault	dark gray color					<u> </u>
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cerro	Negr	-		****	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	IJ.	LILLTF	17	IJCC- 2		(Depti	-		ı -184.	-
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(m)	Col.	(	).5 , 1	1.0	1.5%		Mir	).	'	Alt.	Lithology	TCu	SCu	Au	Ag	Fe
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-	<b>A</b> . <b>A</b>						Andreas and the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the secti				lithic frag. : aphyric andesite and iron Ore matrix : Sp,Hm>Mt Ore					
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100	V Δ										Brecciated andesite with iron ore			· · · · · · · · · · · · · · · · · · ·		L
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4	<b>*</b> ^*	[ ]	<u>.                                    </u>		2277	j,	Cp>Py veinle	Mt.Hr m mai	4		Brecciated andesite abundant in Mt,Hm and Sp Ore gray - dark gray color					
122.2	<b>♣,^^</b> .				$\vdash$		veinle	ι ģ.	_							
i	A V	<u></u>							A		Aphyric andesite and brecciated andesite					
	V 🛦	5	ļ			,					abundant in iron ore		. ,	·		<u> </u>
_	▲ V V ▲					•					lithic frag. : amygdal ad., pl-rich ad. and aphyric ad.			·		<b>-</b>
4	A V	125			3	*	Cp dis				matrix : Sp,Mt>Py,Cp					
150-	V <b>A</b>	5				$\cdot \cdot $	Py,Mt,0	Cp,Sp								<u> </u>
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1	• A · V	, 5.	<u>                                     </u>	-		X. N	Cp dis									ļ <u>-</u>
168.4	V A	5				*:										Ì
	* v * v *	<b>)</b>					Cp dis				Basaltic andesite, partly aphyric andesite dark gray color					
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(m)		ol.	1 .			1.59	<b>-</b>	Min.	T	A	lt.		Lithology		SCu			Fe
0	Т	Т	7		Γ	Γ				1			Tuff, banding str., gray color					
4.0	v:	V V	SP.						there			:	Aphyric andesite, dark - brownish color					ļ
11.0	TA	Δ T			ļ	ļ		je je	3				Tuff breccia, partly brecciated and iron ore	ļ				-
17.0 	<b>▲</b>  ∆   ∨	V & 					- K	Chry. Veinlet Will do			·		Brecciated andesite, partly iron ore-rich greenish gray color					
20.0	Δ. Δ.	<b>A A</b>		MACHEN MACHEN	****		1/	Chry. veinlet		8			Brecciated andesite abundant in Sp,Mt and Hm Ore greenish gray color					
_	<b>A</b>	_ 		Á. C		eren	'			Oxide zone			lithic frag.: holocryst, andesite, aphyric andesite and tuff					<del> </del>
50-	A		23			ļ.	\			ő			matrix : Sp>Hm,Py>Mt>Cp				ļ	ļ
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45.5	Ÿ.		ا تر پري				<u> </u>	Sp,Cp,Py,Mt veinlet	$oxed{\Box}$		chloritize.		Pl-rich porphyritic andesite dike,partly brecciated				ļ	
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Cerro	Neg	ro.	. (	Chi	le	٠.		Dri	11#	MJCC-	27 (Scale 1/1000) (2/2)	(Depti	h: 25	0.00 r	n -500	.00 m)
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493.3	₩						14	Py,Cp dis		-	Fault					
500	Δ ' Δ	۵ 🍇	3					Sp,Py>Cp	veinle	et .	Basaltic andesite, partly brecciated andesite					

Ceiro	Ne	gro	).	Ch	ile		÷	Drill#	MJCC- 2	28 (Scale 1/1000) (1/1)	(Dept	n :	0.00 n	198.	90 m)
Depth	Geo	i.	TC	u□	SC	u 🗀				Geologic Discription	Α	ssay (	5m a	verag	e)
(m)	Co	- 1		5 1				Min.	Alt.	Lithology		SCu		Ag	Fe
0	A	٨	ar <sup>*</sup>							Brecciated andesite abundant in Mt,Hm and Sp Ore		,			
	<b>A</b>	$\blacksquare$							Oxide zone	gray - dark gray color lithic frag. : pl-rich porphyritic andesite,				ļ	
1 7	<b>A</b>		1				1		jig	aphyric andesite and tuff					
19.0	<b>A</b>		<i>\$</i>							matrix: Sp,Hm and Mt Ore					
13.0	▲		ļ_	<del>.</del> .	<del>  -</del>					Brecciated andesite abundant in Mt,Hm and Sp Ore					
	A	4	÷	1222	ļ	-				gray - dark gray color				ļ	
1 -	<b>A</b>	<b>A</b>	7		-	┢	•			lithic frag. : holocryst. andesite, aphyric andesite and tuff			<u> </u>	ļ	<u> </u>
-	A A		<b>)</b>					:		matrix: Sp,Hm and Mt Ore					
-	. 🛦		<u>.</u>			-						L		<u> </u>	
-	<b>^</b>	^	ł		ļ <u>.</u>	ļ	N)	Mal. frac				ļ	ļ	l	ļ
50- 52.0	<b>A</b>	A		711	C723		7.7								
-	A	•	ļ.,							Brecciated andesite, partly iron ore-rich, dark gray				ļ	ļ <u> —                                 </u>
58.0	A	•				-				brownish gray color		ļ		ļ	
65.5 -			<b>2</b>						g	the amount out formats Political				<b> </b>	
69.2	A A	•	7)					Mal. dis & frac	2000 e	black color		<u> </u>		<del> </del>	
	<b>A</b> _	A	922-7 922-7		ļ	ļ	11,	1.1411 313 00 1140	Oxide	Brecciated andesite, partly iron ore-rich reddish brown- brownish gray color			ļ	ļ	Í
	A."	•				_		Mal. dis		lithic frag. : aphyric andesite,			ļ	ļ	<u> </u>
	A					<u> </u>	, ,	Mal. frac		matrix: Sp,Hm and Mt Ore		<u>.</u>			
89.0		- L						Py>Cp dis						ļ	ļ
	•	^	5					- J		Brecciated andesite, partly iron ore-rich				ļ	
100-	<b>A</b>	▲	3,							reddish brown- brownish gray color				ļ	
100	<b>.</b> ^	•				1				lithic frag. : holocryst. andesite, aphyric andesite and tuff	L			ļ	
	<b>.</b> A		à							matrix : Sp>Hm,Py>Mt>Cp					ļ
		٦	,		_		".	Py,Cp dis						ļ	
	<b>▲</b>	^ }			******		i '				-			<u> </u>	
	<b>A</b> .	<b>A</b>	5		-										
_	<b>A</b>	A	 21				:	Cp,Py dis							
132.5	A_	{	.ha			-	ÇŅ.								
		~ [	<u>}</u>				\	Cp,Qz dis & veinlet		greenish gray color					
	A .	<b>A</b>	$\vdash$	-		-	,			lithic frag. : aphyric andesite, amygdal. andesite and tuff					
	<b>A</b> .	▲ þ				ļ				matrix: lithic materials & Sp,Hm and Mt Ore		.,			
150-	Δ.	▲ }	,	{		_		Cp dis		manix. hunc materials & opposit and the ore			:		
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166.3	A	•				ļ	1,								
] -	<b>A</b>	A				<u> </u>		Cp,Qz in amyg.		gray - dark gray color					
]	A	A	1			<b> </b>				lithic frag. : aphyric andesite matrix : Sp,Hm and Mt Ore			·		
180,45	<b>_</b> _		_			_		· .		Fault	-			ļ <u>:</u>	<u> </u>
	· 🛦		္အမ			ļ	1	<b>_</b>		Brecciated andesite, partly iron ore-rich lithic frag.: aphyric and amyg. andesite					
	<b>^</b>	<b>A</b>	20				::\	Py,Mt,Cp,Hm dis		lithic frag.: aphyric and amyg. andesite		·			
195.4	<b>A</b>	A	<u>,                                     </u>				Ŀ	Mt>Sp>Py.Cp <sub>dis</sub>		matrix: Mt,Hm and Py-Cp  Basaltic andesite with strong magnetism, dark gray	<b> </b>				
195.4 198.9 200-	٧	۷	1		ļ İ		H	mesper yeep dis		Dasanic andesne with strong magnetism, train gray				ļ	
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Cerro	Negro	s. C	hile			Drill#	MJC	C- 2	9 (Scale 1/1000) (1/1)	(Deptl	ı: (	0.00 m	-230.	00 m)
Depth	Geol.	TCu[	⊐ sc	ն 🗀	-			(	Geologic Discription	Α	ssay (	5m a	verage	e)
(m)	Col.	0.5	1.0	1.5%	-	Min.	Al	t.	Lithology	TCu	SCu	Au	Ag	Fe
0	V Δ Δ V		1	T	`	Mal. frac	ļ		Brecciated andesite and aphyric andesite					
6.1	<b>A</b> ·				Ì			3	Receiated andesite abundant in Sp. Mt and Hm Ore			-,		
] -	<b>A A</b>		-		<b>\</b>	;		chloritized	Brecciated andesite abundant in Sp,Mt and Hm Ore reddish - brownish gray color					
-	A A			1		Hm,Mt		Ť						
20.5	Т Д		-	T	-	Sp. 1	o o		Tuff breccia(mainly coarse tuff & lapilli tuff)					
· –	ΔΤ	,		-	1		002		gray color					
	ТΔ		-	i			Oxide zone		Fault					
33.5	Δ۷	<u> </u>			200	Mal. dis			Brecciated andesite and aphyric andesite					ļ
-	νΔ	, , , <u>, ,</u>	Ø 7 ≃ □	-	וניטו				fracture development					
-	Δ۷	3			\.				brownish - dark gray color					
50- 52.3	V Δ			-	13)	Mal. frac & dis								ļ
- ""	ΔΤ		Ţ	ļ	41	Mal. frac Py,Cv,Qz vein			Tuff breccia and tuff gray - greenish gray color					ļ
62.5	ТΔ	errel par	(E.)	Ψ	11				gray v greenish gray color					
-	<b>A</b>			ļ		AMA: AFA: 90-10-1		-	Brecciated andesite abundant in Sp,Hm and Mt Ore					
-	<b>A A</b>	<u> </u>	-	-					lithic frag.: tuff, aphyric andesite	<b></b>				<u> </u>
_	<b>A</b> A	٣		ļ					matrix: Sp,Hm and Mt					
	<b>A</b> .			<u> </u>		Cv			dark - blackish gray color		<b> </b>			
	<b>A</b>			ļ	1%	Mal. frac				<u></u>				ļ
89.3	A A			<u> </u>		Py,Cp frac & dis								ļ 
	ΤΔ	<b></b>		<u> </u>	`.,	1 y,cp nac & als		ļ	Tuff breccia and laminated fine tuff gray - dark gray color					
100-	ΔΤ				7				gray - tank gray color					
100	ΤΔ	[]		<u> </u>	···.	Sp,Py>Cp dis								<u> </u>
	ΤΔ	ી			· · ·	Mal. dis		ļ	Thurste					ļ
112.8	VV				· •••	Cp,Py,Sp veinlet			Aphyric andesite, partly brecciated andesite				:	
119.2_	$y \Delta y$	)   			U)			-91						
	ТΔ	5			•	Sp>Py>Cp dis		chloritized	Tuff breccia and lapilli tuff lithic frag. : mainly porphyrite	<u> </u>				
129.2	ΔΤ			1				_윰니	nunc mag manny porphyrac					<u> </u>
	<b>A A</b>	Œ,			٠,٠.	Cp>Py Ore bands			Brecciated andesite abundant in iron ore					
	▲¯▲		1_		1	inle			matrix : Sp>Mt>Hm>Py>Cp					
i -	A A	• 	, E		ڼد	Mr.		.						
		q- <u>-</u>	<u> </u>	3	<u>`</u>	Cp dis d								
150-				<u> </u>	يب	Cp dis H'd								
157.6	X X		) fan	<b>3</b>					Fault	1				
	<b>*</b> *	'	†	H		Cp,Py dis			Basaltic andesite, partly brecciated andesite dark - blackish gray color					
		<b>23</b>	†			Cp,Qz in amyg.			uark - mackish gray color					
7	₩   ₩		1		<u>.</u>	Py,Cp dis					1			
177.6	` ∀ ` [	7-	1			Pro C			<u>and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t</u>					
	V V		$\top$	Н		Py>Cp dis			Aphyric andesite(massive) gray - dark gray color	Ī				
186.4	V _ V \$				• . • .				Pl-rich porphyritic andesite(massive)	İ				
193.4	v v	7	1-	-					gray - dark gray color		·			
		5	-			Mt>Sp>Py,Cp <sub>dis</sub>	_		Sheared Zone(breccia and clay)	<u> </u>				
200- 201.65		+	+			uis								
	V V	<i>[</i> -							Aphyric andesite, with amygdal tex. (massive)					
-	V 4 V	<del>}</del>	+-	$\vdash \vdash$		Py>Cp dis			Fault dark gray color					
-	v j v	;		ļ										
-	v v	_+-	+-	<del>  </del>						<del> </del>				····
<b>」</b> ⊢	v v	7												·
230.0-		<u> </u>	<del>- </del>	<u> </u>						<del> </del>				
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Depth Geol. Includes the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of	1 -250.00 r	£	م ذیب			- 1	COLUMN TESTS AND ADMINISTRATION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY					_	_	4-		
Breeciated andesite abundant in Sp.Mt and Hm Ore reddish - brownish gray color  Aphytic andesite abundant in Sp.Mt and Hm Ore little frag. tuff, aphytic andesite matrix: Sp.Hm and Mt dark - blackish gray color  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Covenies  Co	,			-7		.		·				SC	uC.	TC		
Aphyric andesite dundstite in Sp.Mt and Hm Ore lithic frag.: suff, aphyric andesite murix: Sp.Hm and Hm Ore lithic frag.: suff, aphyric andesite murix: Sp.Hm and Mt dark - blackish gray color  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Aphyric andesite and pl-rich andesite, with armygdal tex.  Grin anyp.  Cp. frac  Wy  Mal. frac  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Cy-visible  Aphyric andesite, with amygdal tex.  dark blackish gray color  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(massive)  Aphyric andesite(m	Ag F	Au	SCu	1	TCu		Lithology	Alt.	Min.		.5%	.0 i	5 1	0.	Col.	(m)
Aphyric andesite matrix: Sp, Hm and Hm Ore little frag.: tuff, aphyric andesite matrix: Sp, Hm and Mt dark - blackish gray color  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  A A A A A A A A A A A A A A A A A A A						re	Brecciated andesite abundant in Sp,Mt and Hm Ore reddish - brownish gray color		vial. frac			,	,	ξ	A A	. 4
Brecciated andesite abundant in Sp,Mt and Him Ore lithic frag. tuff, aphyric andesite matrix: Sp,Hm and Mt dark - blackish gray color  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violate  Cy violat				1		-	Aphyric andesite(massive)							1	v , v	
ilithic frag.: tuff, aphyric andesite matrix: Sp.Fim and Mt dark - blackish gray color  Mal. frac  Mal. frac  Mal. frac  Mal. frac  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat  Coveninat	<u> </u>			†		_				-/			•••••		A A	4.5
Mal. frac  Mal. frac  Cr. veinlet  W. V. V. Cp. dis  Cp. frault  A A V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp. Fy dis  V. V. V. Cp.						-	lithic frag. : tuff, aphyric andesite matrix : Sp,Hm and Mt		fal for	h- recommendation				, (,)		
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Lithology TCu SCu  V_V   Convenient Aphyric andesite, partly preciated Aphyric andesite, partly preciated Aphyric andesite, partly preciated Aphyric andesite, partly preciated Aphyric andesite, partly preciated Aphyric andesite and amygdal andesite dark gray color  V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V   V_V	Geol. TCul Scu   Geologic Discription   Assay (5m a Col. 0.5 1.0 1.5%   Min.   Alt.   Lithology   TCu   SCu   Au   V_V	Geol. TCul Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   Scu   S

Cerro	Negr	<b>)</b> .	Ch	ile			Drill#	M	JCC-	1 (Scale 1/	1000) (1/1)	(Dept	ı: (	0.00 m	-160.0	00 m
Depth	Geol.	TC	บ⊏	SCu		-		-		Geologic Discription		Α	ssay (	5m a	verage	e)
(m)	Col.	0.	.5 1	.0 1	.5%		Min.		Alt.		nology	TÇu	SCu	Au	Ag	Fe
0 <sub>.</sub> 3.85 – 6.0	VA	*				-		-		Non Core  Brecciated andesite and a	aphyric andesite					
-	ΔΔ									Brecciated andesite with	aphyritic andesite blocks					ļ
2 2 T	ΔΔ								İ	greenish - light gra	y color					<u> </u>
-	ΔΔ	7								·	•					
_	ΔΔ	Ž,							chloritized							
-		9					Atc. frac		0 10							
-	ΔΔ	). 2					AF AFE									ļ <del> </del> -
		e ja					Atc. f Mt.Sp.Hm vein		oge							ļ
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51.8	V V	70					Mal. frac		hydrotermal ait, zone	Aphyritic andesite, partl						<u> </u>
-	v					ı			nydro 	light - greenish gr	ay color					ļ
66.1	V A	or j				7		<u> </u>			e carrier	_				
. –	Δ۷	*-					Mal. frac Mt.Sp vein			Brecciated andeiste, wit gray - greenish gr	m Mt,Sp vem ray color					
90 O	VΔ						Mt				-			-,	-	
- 0.08	VV						ein	iple:		Aphyric andesite(massi	ve)					
	V <sub>v</sub> V						Mr.Sp vein Wal' ltac	Oz veinlet		partly pl-rich por greenish gray col						
-	V V	a. R					Mal. frac ∑			groomen gray con						
100-	v v	9/300 m. (6)			$\dashv$	l	Chry. veinlet									
	v i v	X of America			İ					÷						
.09.2_	8 8		74		$\dashv$	1	Py>Cp dis & frac	ig		Pl-rich porphyritic and	esite					ļ
- 18.0	9 8	100					ex trac Py>Cp dis	Oz veinlet	chloritized	dark gray color						
 	\$ \$ \$	3			}		& frac		chlor	Sheared Zone						ļ
	v v						Py>Cp dis & frac									
42.5	ů ů ů				Ì			T		Brecciated andesite(pl-	rich porphyritic andesite)					
47.5	ů Ÿ ÿ				$\dashv$			inlet		Pl-rich porphyritic ande		-				
	<b>Ϋ</b> Δ Δ Ϋ					-		Oz veinlet	ı	dark -light gray o	color					
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Cerro	Negr	), (	Chile			Dril	<b>l</b> #	M.	ICC-	32 (Scale 1/1000) (1/1)	(Dept	h:	0.00 n	1 -160.	00 m
Depth	Geol.	TCu	□ sc	Ni □				KONTRADINO	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	Geologic Discription	1	ssay (	5m a		
(m)	Col.	0.5	1.0			Min.			Alt.	Lithology		SCu		Ag	
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11.0	Τ Τ  Τ Δ			+			1	hydrotermal ait, zone	g				··-····		
-	▲ T						HENNII VON	termal	Oxide zone	Tuff and Tuff breccia with iron ore brownish - reddish gray color					
	Τ Δ. <b>A</b> Τ	710					Ž	hydro		H. Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Ca		ļ	·		ļ
30.0-	Τ <u>Δ</u> , ۷ 。			-		<del></del> -	<u> </u>			Aphyric andesite with amygdal tex.		<u> </u>			ļ
 40.0	v v									dark gray color		ļ			
-	V ∆ • <b>▲</b> •∨·	X				1	Velli	хопе		Aphyric andesite and brecciated andesite with iron ore and amygdal tex.					ļ
50-	ν Δ°	200 200 200					nm-mit ven	峀		dark gray - brownish gray color					
57.0	V A						-	hydrotermal		Aphyric andesite and brecciated andesite					
٠.	Δ V V Δ	1						by		dark gray color					
58.0_	v v	+		†			,			Aphyric andesite(massive)					
-	v v		_	-	-					partly pl-rich porphyritic andesite greenish gray color					
-	V V						-								ļ
1.0	Λ. <u>γ</u> ,					<del></del>				Aphyric andesite and brecciated andesite					ļ
00-	Δ ۷			$\vdash$	ange at comment	٠.	Į			dark gray color			<u>.</u>		
-	Δ V V Δ							ړه							<u> </u>
1.0	Δ Δ					<u>T</u>	ភ្ន	hydrotermal alt. zone		Brecciated andesite, partly amygdal texrich				1	
-	۵ ۵ ۵	$\dashv$		+		National Print	Hm.Mt.Sp veinlet	termal		lithic frag. : mainly aphyric andesite matrix : fine grained tuff or andesite fra	g.				
	$\Delta$ $\Delta$ $\Delta$ $\Delta$ $\Delta$ $\Delta$					can Can	m,Mt,	hydro		dark greenish gray - blackish gray color					
_	ΔΔ	X A				Py>Cp imp	#		٠						<u> </u> 
-	οΔ <sub>0</sub> ο Δ <sub>0</sub>	<u> </u>	+	+		μ.									
8.9 50-	Δ Δ Δ				- 1			-		Aphyric andesite(massive), with amygdal tex.					
-	'V。'V。' 'V 'V V	N N			made of the mater					dark gray color					<u> </u> 
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(m)	Col.	í .			1.5%			Min.		,	Alt.	••••	Lithology		SCu		Ag	
0	ΔΔ		<u> </u>	[	Ι		<u> </u>						Brecciated andesite, partly with strong altered				ļ	
-	Δ Δ		-			!							light gray - white color					
	Δ	$\vdash$		$\vdash$													ļ	ļ
14.0	Δ Δ	l			ŀ										l		<b></b>	<del> </del>
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57.0	ΔΔ							<u> </u>			څــــ			_		<u> </u>	ļ	
ഗമ-[	<u> </u>	<b>.</b>	-	-		_	<u> </u>	Aic.	Mal. amyg.		—র্ট্র	<u> </u>	Aphyric andesite(massive)	_			<b> </b> -	<del> </del> -
4.5	<b>9 9</b>	3				11		IE	amyg.	+			Amygdal andesite(massive)  Brecciated andesite(homogeneous)					
-	ΔΔ	<b></b>	<u> </u>	Ŀ	Ы	1							light gray color				<u> </u>	<del> </del>
4.5_	ΔΔ	i i				1								_		<u></u>		<u> </u>
	<b>Ϋ</b> . <b>Ϋ</b> .			Ŀ	Ш	i	20						Amygdal andesite and brecciated andesite,				ļ	ļ
	δ ^ \$ Δ	e e				¦ .	Py,Cp in frac & amyg.						with iron ore				ļ L	L
88.0	Ŷ Ÿ					i	25			ti.			dark - light gray color					
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04.0_	9 <sup>(1)</sup> 9									Oz veinlet				<b> </b>				<u> </u>
11.0	° ф								٠	, Š							1	<del> </del>
13.8	Ů ▲									⊢ზ'			Amygdal andesite with iron ore-rich				1	ļ
٠,_	V <b>∧</b> V	24								l			brecciated andesite				<u></u>	-
22.0	<b>A</b> • • • •					-				Qz veinlet			Brecciated andesite abundant in iron ore				ļ	ļ
27.0 30.0	9 9								-	_ ×			Amygdal andesite, partly brecciated			.,		
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epth	Geol.	TCul	⊒ ՏCս		Maketa			***	-	retent to	(	Geologic Discription	· A	ssay (	5m a	verag	e)
(m)	Col.	0.5	1.0 1	.5%		M	in.			Alt.		Lithology	TCu	SCu	Au	Ag	F
0	Δ Δ Δ Δ Δ Δ						Atc. frac		Oz veinlet	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Brecciated andesite with iron ore lithic frag.: aphyric andesite matrix : Mt,Hm and Sp Ore dark gray color					
17,0	<b>A A</b>			<u></u> ;	#	-		╁╌╂									
_	<b>A A</b>								Oz veinlet			Brecciated andesite abundant in Sp,Hm and Mt Ore lithic frag.: amygdal andesite matrix: Sp,Hm and Mt Ore	<u> </u>				-
	<b>A A</b>			/	A	-			é			dark - blackish gray color		:			
-	A A A	-			1	Chry. frac											ļ
	A A				7	Ð.			**					*********			
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Cerro	Negro	). Chile	Drill#	MJCC	- 3	38 (Scale 1/1000) (1/1)	(Deptl	1: :	0.00 m	-130.	00 m
Depth	Geol.	TCu□ sCu□			(	Geologic Discription		ssay (			4
(m)	Col.	0.5 1.0 1.5	Min.	Alt.		Lithology	TCu	SCu	Au	Ag	Fe
0						Brecciated andesite and pl-rich porphyrite, partly tuff reddish brown color					
30.4	Υ ° Τ° Δ Δ				-	amygdal tex.  Brecciated andesite and aphyric andesite,					
	∆ .		ic. frac	altered	Oxide zone	l		, ir			
50-	▲ ∨ ▲ A A A		Mai, Atc. frac	Hydroterm, altered Oz veialet	Oxio						
-	Δ <b>* A V A V A</b>		Ma Hm>Mt network vein								
73.0	▼ ▼ ▼ ▼ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	CPE .			-	Brecciated andesite abundant in Hm, Mt and Sp Ore partly pl-rich porphyritic andesite beddish brown color					
85.6 91.0	ν, °ν, ν °ν ν ν		-			Aphyric andesite with amygdal tex.  Aphyric andesite(massive) with pl-rich					
00-	v		U	<b>1</b> 6		porphyritic andesite gray -dark gray color					
. –	v v v v		Mt network vein	Hydroterm, altered							
24.9 30.0-	ν ° ν <u>Χ</u> ΔΑ	is c c	Mt.	H		Brecciated andesite and aphyric andesite		:	· 		
	:			And a second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of					·····		
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Cerro	Negro	o. Chile	:	Dri	11#	MJC	C- 3	39 (Scale 1/1000) (1/1)	(Depti	h: '	0.00 m	· -195.	15 m)
Depth	Geol.	TCu□ sCu□	)			****	. (	Geologic Discription	Α	ssay (	5m a	verage	e)
(m)	Col.	0.5 1.0 1.59	ь	Min.		A		Lithology	TCu	SCu	Au	Ag	Fe
0 1.25_	Δ Δ Δ Δ Τ Δ Δ		-					Non Core  Tuff breccia and brecciated andesite  poor magnetism  light gray color			:		
	Δ ΄ Δ Δ ΄ Δ Δ ΄ Δ		-	Mal, Atc. frac	Hm>Mt network vein	-							
-	Δ <sup>T</sup> Δ Δ Δ Δ Δ		-	Mal	Hm>M	Oz veinlet	·						
55.3 -	T		-	& dis ——	<u>.</u>		· · · · · ·	Brecciated andesite abundant in Sp,Hm and Mt Ore lithic frag. : amygdal andesite		:			
-			- - -   1	Chry., Mal. frac & dis Mal., Atc. frac			Oxide zone	matrix: Sp,Hm and Mt Ore reddish brown color					
				_	Sp, Hm veinlet	The second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the second residence of the se	1**						
	9 9 0 0 9		-	& dis	<u>.</u>			Amygdal andesite and brecciated andesite, partly pl-rich porphyritic andesite					
106.85	A A			Chry., Mal. frac 8				Brecciated andesite, with iron ore dark gray color					
123.65	-		_T	Chry	·			Aphyric andesite(massive) gray - dark gray color					
				•	- Sp,Hm network	Qz,Cal network		Brecciated andesite(homogeneous) light gray color					
• -	Δ \$ \$ \$ \$ Δ \$ \$ \$			Py>Cp in matrix, amys.		ıetwork		Amygdal andesite(massive), partly aphyric andesite and brecciated andesite gray - light gray color					
171.85	ν Δ Δ <sub>Τ</sub> Δ			<u>&amp;</u>	. 1	Qz,Cal network	1 2	Tuff breccia and tuff, light gray color					
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195.15 200-	<b>v</b>			-	l								
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Cerro	Negro	o. C	hile			Di	rill#	MJCC- 4	O (Scale 1/1000) (1/1)	(Deptl	1: (	0.00 m	-190.	00m)
Depth	Geol.	TCul	_) sc	່ນ 🗀		many gar	Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Consti	(	Geologic Discription		ssay (		verage	e)
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0 4,6_	, ° ° ° °		61467						Aphyric andesite, dark gray color	ļ				
	<b>∀ Δ ∀</b>	100				frac			Brecciated andesite and amygdal andesite,					
	W A	(A)				dis Mal., Atc. frac			partly aphyric andesite					
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	ν	0				Mt,Hm. network & dis	Hm>Mt network vein	Oxíde zone						
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	ΔV	1					mac		lithic frag. : amygdal andesite matrix : Sp,Hm and Mt Ore				i n diini	
	V	3				frac	S.		reddish brown color					
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	<b>A</b> V	4 164 18.	<b>人</b> 数编—			Mal.			partly aphyric andesite, tuff breccia and amygdal andesite	ļ				
<u> </u>		188		36	-	_			dark gray - blackish gray color					<b>.</b>
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139.6	v v													
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						Sp.Hm		Aphyric andesite, with amygdal tex.			· · · · · · · · · · · · · · · · · · ·		
150-	v.	SEC.					Ĭ		dark gray color					
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Depth	Geol.	TCu□	) SC	u 🗀		· · · · ·					Geologic Discription		ssay (		,	.,
(m)	Col.	. 0,5	0.1	1.5%		Mi	n.		Al	t.	Lithology	TCu	SCu	Au	Ag	Fe
0			19			dis	,				Brecciated andesite abundant in Sp,Hm and Mt Ore lithic frag. : amygdal andesite matrix : Sp,Hm and Mt Ore reddish brown color					
25.0-						48			:			• • • •	ļ		ļ	ļ
29.0	ΔΔ	2		Ш		network				<del> </del>	Brecciated andesite(aphyric andesite)		İ			<u> </u>
12.0	V V V V					Mt.Hm. ne			Hydroterm. altered		Aphyric andesite(massive) partly pl-rich porphyritic andesite dark gray color					
2.0	<b>% %</b>	Sept. Sept.						1	- <del>5</del> 1	<del></del>	Amygdal andesite, partly brecciated andesite	·	<u> </u>		ļ	ļ
50-	\$ \$ \$ \$							silicified	Hydr	1.	and silicified andesite light gray - dark gray color					
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