Apx. 6 Microscopic Observations of Polished Sections

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1.1		Geol.			Primar	y Mineral		ي سورون وي المراجع والمراجع وا			Secondary Min	eral		
Sample No.	Rock Name	unit	Cp.	Sp	Gn	Py	I îr	Λsp	Gd	Cv	Cc	Hem	Gt	Remarks
Chontali Ar C-1 52.60	ea villing core	зашите	0, 2×0, 5	0, 01	0.1×0.2	0, 2×0, 2	1		0.09			<u> </u>	-	T
(1)	Quartz vein	0y	(Gd)	(Py)	*	© S~A (Gd, Gn)	* (Py)		*					
	Qualitz Vetil	U)	0, 03×0, 2	0.05×0.2	0.1×0.2		0, 2×0, 4	:		.,				
C-1 52, 60 (2)			*	(Cp)	(Tr)	©	(Gn. Sp. Cp)							
/ . ./				0.03		0.07×0.14	Z430/241/242		· · · · · · · · · · · · · · · · · · ·					·
C-1 130.40	Quartz vein	0y		*		O S~A Ag								
	Quartz vein	0у	0.07×0.1 *	0.07×0.1	0.02×0.03 *	© E~S	0. 07×0. 14							X
C-1 146.40	Anates Actu	UŞ	· · · · · · · · · · · · · · · · · · ·	T	(Tr)	9 5 - 0	(Py, Gp, Gn)							Λ
	lp·tf w/Quartz v	0y				O A Ag								F/I
C-2 59.60				0.04520.09	0.01×0.03	0.2×0.3								
	Quartz vein	0y	1.3 *	0.04×0.07 △	*	0.2×0.3	0.1×0.2 ○ (Py,							1
C-2 194, 50	***************************************			(Cp. Tr)	(Tr) 0,01×0.02	© E~S (Tr)	Gn, Cp, Sp) 0.1×0.3			***************************************				
6 4 4 4	Quartz vein	0у	*		*	O A (Tr, Gn)	(C _p)							
C-3 203, 84	***************************************		(Ir) 0.2×0.6	0.4	0, 02×0. 04	0.4×0.6	(Cp)		·					
	Quartz vein	0 <i>y</i>	*	*		⊚ E~S					:			i
C-3 204.15			0.005	(Cp)	0.01×0.02	1. 2×1. 3	0.07×0.3							
C.4 202 12	Quartz vein	0y	*		*	O E~S (Tr, Gn, Cp)	(Py) (Gn, Cp)			.				F/I
C-4 202.13			0.04	0. 2×0. 3	0.1×0.2		CAN CON CAN							-
C-4 244, 64	Quartz vein	Оy	*	(Cp)	*	© S~A (Cp, Sp, Gn)						*	0	
0 4 644.04			0.002×0.03	v, l			0,003×0.04		·					
C-5 74.50	Quartz vein	0у	* (Sp) 0.06	(Cp, Tr)		O E~S	* (Sp)			:				F/I, T
	^tt-	٥	0.06 *		0		0.07×0.3			(
C-5 123, 00	Quartz vein	0y	· .		0	(Gn, Tr)	(Py. Cp. Gn)							
	Quartz vein	0y	0.003×0.004 *			(C) A Av	0.01							F/I
C-5 123.45	Andler Actu					© A. As (Tr)								1/1
	Quartz vein	0y	0.9×1.2 *	0.6×0.7 ©	0.1×0.2 *	0			٠.					F/I
C-6 97.20	*.		(Sp)	(Cp, Gn)	(Sp)	(Cp)	0.01×0.08		<u></u>			***************************************		
	Quartz vein	0y	0.1×0.2 *	0.1×0.2 *		O S								T.X
C-6 156.60			0,003	(Py) 0.03×0.04	0. 02×0. 03	0.3	(Py, Cp, Gn)		ļ		·····	ļ		
	Quartz vein	0y	*	*	*	O (Py. Sp. Gn. Cp)								F/I
C-6 159.00 Jebuagarca	Area Drilling Cor	e Samo	(Py, Sp)	(Py) [Cp]	(Py) [Sp]	[Sp. Gn. Cp)	<u> </u>				L	<u> </u>	<u> </u>	J
ocidada ea		11.	0.02	1, 4		O First I		0.03	1					Х
J-5 3. 10	Sil breccia	Ро	* (Sp)	(C_p)		O E;s, A; 1		O E~S				Ø A) x
	Sil lo-tf	Po:	0.06 *	0	0.4×0.5 *	Δ	0.2×0.3 △							x
J-7 87.40	off ib-ci	ro:	(Sp. Gn)	(Cp, Gn)	(Ç _P)		(Py. Gn)							
	Sil tf-bre	Po		0.07		1.7 C	0.1×0.2 *			0.01 \(\Delta\)	0, 005 *	Δ	Ì	x
J-8 31.05	511 61 010					O E (Sp, Tr)	(Py)			Co~Py		in Cav(?)		
	Quartz vein	Po		0. 2 Δ	0.11 *	0	v. l ⊚							X
J-8 68.45				(Py, Tr) 0. 1×0. 2	(Tr)	O (Sp, Tr)	(Sp, Gn, Py) 0.5×0.6			0.01				
	Sil tf-bre	Po	0.17 *	0.1×0.2	0.03 *	0	1 ():			*				X
J-13 18.35	Area Surface Samp		<u> </u>	(Tr)	(Tr)	<u> </u>	(Sp. Cp. Gn)		<u> </u>	<u>→ Tr</u>		L		
Jenuadarca				1.4	<u> </u>	0.03	0.07		<u> </u>		0. 02		<u> </u>	
R-83001	Sil breccia	Po		O A (Tr) v, i		Ø E~S (Tr) 0.05	* (Py. Sp)			*	△ Co-Py. Sp			
W 00001		n		v, 1	0.001	0.05	(Py, Sp) 0. 2×0. 4	·····		0.01			······	.,
	Massive sulfide ore	Po	*	(Py)	* (Sp)	© E~S (Sp, Tr)	∆ (Py)		1	*		1	l	l X

②:abundant ○:common △:few *:rare

0.2×0.5 : maximum size (mm)

Abbreviations Asp:arsenopyrite, Cc:calcocite, Cp:chalcopyrite, Cv:covelline, Gd:gold, Gn:galena, Gt:goethite, Hem:hematite, Py:pyrite, Sp:spalerite, Tr:tetrahedrite
A:anhedral, Ag:aggregate, Cav:cavity, Co:coating over, E:euhedral, 1:large, S:subhedral, s:small, v:very, ():occurs only in inclusions, ():bearing as inclusions, →:altered from, Sil:silicified, Ip:lapilli, tf:tuff, bre:breccia, Oy:oyotun, Po:poruculla F/I:fluid inclusion examined, T:thin section observed, X:x-ray diffraction examined

Apx. 7 Microscopic Photographs of Polished Sections

Asp: arsenopyrite

Au : native gold

Cc : chalcocite

Cp: chalcopyrite

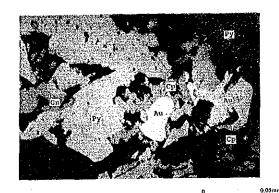
Cv : covelline

Gn : galena

Py : pyrite

Sp : sphalerite

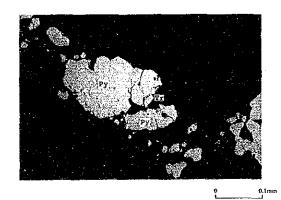
Tr : tetrahedrite



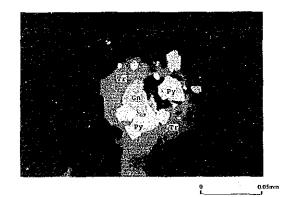
Sample No. C-1 52.60 (1) Chontali Area Quartz vein



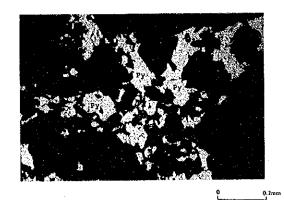
Sample No. C-1 52.60 (2) Chontali Area Quartz vein



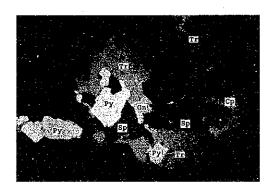
Sample No. C-1 130.40 Chontali Area Quartz vein



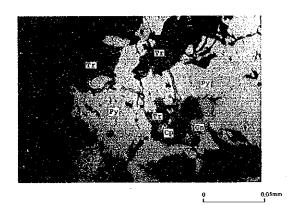
Sample No. C-1 146.40 Chontali Area Quartz vein



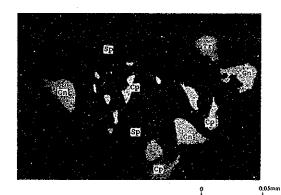
Sample No. C-2 59.60 Chontali Area lapilli tuff with Quartz vein



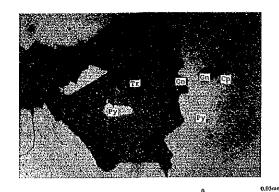
Sample No. C-2 194.50 Chontali Area Quartz vein



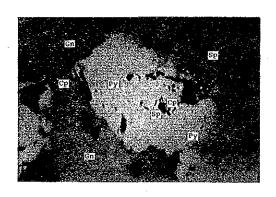
Sample No. C-3 203.84 Chontali Area Quartz vein



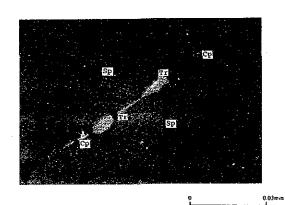
Sample No. C-3 204.15 Chontali Area Quartz vein



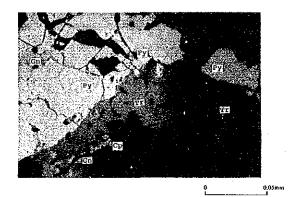
Sample No. C-4 202.13 Chontali Area Quartz net vein



Sample No. C-4 244.64 Chontali Area Quartz vein



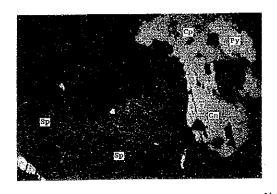
Sample No. C-5 74.50 Chontali Area Quartz vein



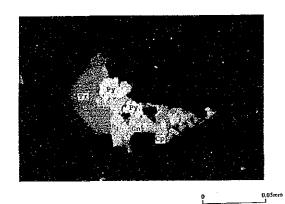
Sample No. C-5 123.00 Chontali Area Quartz vein



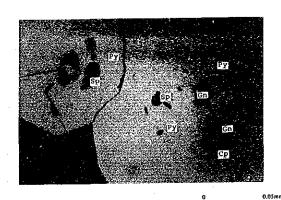
Sample No. C-5 123.45 Chontali Area Quartz vein



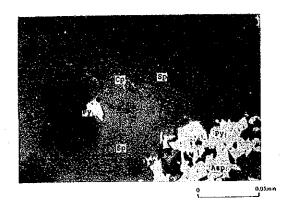
Sample No. C-6 97.20 Chontali Area Quartz vein



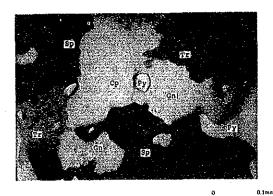
Sample No. C-6 156.60 Chontali Area Quartz vein



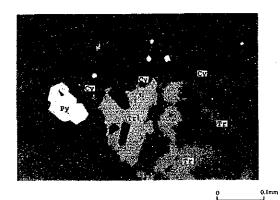
Sample No. C-6 159.00 Chontali Area Quartz vein



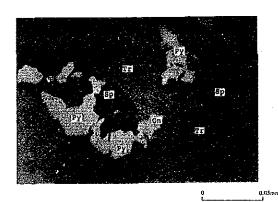
Sample No. J-5 3.10 Jehuamarca Area Silicified breccia



Sample No. J-7 87.40 Jehumarca Area Silicified lapilli tuff



Sample No. J-8 31.05 Jehuamarca Area Silicified tuff breccia



Sample No. J-8 68.45 Jehuamarca Area Quartz vein



Sample No. J-13 18.35 Jehuamarca Area Silicified tuff breccia



Sample No. R-83001 Jehuamarca Area Silificied breccia



Sample No. T102 Jehuamarca Area Massive sulfide ore

Apx. 8 Assay Results of Drilling Core in the Chontali Area

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Drill	Depth	Length	Rock Name	Au	Ag
Hole	(m)	(m)	Took Home	(g/t)	(g/t)_
	28.65 ~ 29.9		wk limo net sil lp tf	0.75	4. 5
MJPC-1	33.40 ~ 34.1		wk limo net sil arg lp tf	0.65	3, 5
	42.65 ~ 43.8		limo dr qtz v	0.25	4. 5
	43.85 ~ 45.4	0 1.55	sil arg lp tf w/qtz vlet	0. 20	5.0
	45.40 ~ 46.7		"	0.10	3.0
	aver	ge 2.85		0.15	4. 1
	averge	4.05		0.18	4, 2
	$52.45 \sim 52.7$		qtz v	3.65	11. 5
	$72.60 \sim 72.8$		***************************************	0.05	3.0
	77.20 ~ 77.9	0 0.70	sil lp tf w/qtz net	0.10	5. 5 4. 5
	94. 25 ~ 94. 5		gtz v	0.30 nd	4. 5
	$\begin{vmatrix} 99.95 \sim 100.3 \\ 100.30 \sim 100.7 \end{vmatrix}$		gray-black clay bre sheared qtz v	0.90	7.5
	100.30 - 100.7		sil arg lp tf	tr	1.5
	$100.10 \sim 101.8$		"	nd	1.5
	102. 85 ~ 104. 2		qtz v	2.05	13.5
1	104. 20 ~ 105. 7		sil arg lp tf w/qtz v, vlet	nd	7.5
	averge	5. 75		0.55	6.5
	$117.55 \sim 118.0$		qtz v	1.40	44.5
	118.00 ~ 118.6	5 0.65	sil arg lp tf w/qtz vlet net	1.50	6.5
	averge	1.10		1.46	22. 0
	$128.95 \sim 129.7$		sil arg lp tf	.0.70	14.5
	$129.70 \sim 130.8$		qtz v	0.55	22.0
	$130.80 \sim 131.9$	4	"	0.45	9.5
ļ	$ 131.90 \sim 133.3$		"	2.65	35.0
	avei	-	ail and in th	1. 34 0. 25	23. 2 4. 0
	$\begin{vmatrix} 133.30 \sim 133.9 \\ 133.90 \sim 134.4 \end{vmatrix}$	1	sil arg lp tf qtz v	1.60	5.0
	averge	4. 70	, QCD V	1. 23	18.8
	averge	5. 45		1.15	18. 2
Ì	145.95 ~ 146.4		sil arg lp tf w/qtz net	0.10	5. 0
ļ	$146.40 \sim 147.3$		qtz v	1.05	41.5
	147.35 ~ 148.2		<i>"</i>	0.15	12.0
	$148.20 \sim 149.0$	0 0.80	"	nd	22. 5
	$149.00 \sim 149.5$	5 0.55	sil arg lp tf w/qtz net	2.50	3.5
	aver	ge 3.15		0.79	22. 1
	averge	3. 15		0.79	22. 1
	FA 10 55			, ,	
	56.40 ~ 57.4		sil arg lp tf w/qtz v, vlet	0.40	2.0
MJPC-2	57.40 ~ 57.9		"	0.75	2.5
MJrc-2	aver $57.95 \sim 58.3$		qtz v	0. 52 5. 75	2. 2 4. 5
	58.30 ~ 59.1		sil arg lp tf w/qtz v, vlet	0.45	1.5
	59.10 ~ 60.0	1	" " " " " " " " " " " " " " " " " " "	1.70	13.5
	60.05 ~ 60.7	II	,,	1. 80	1.5
}	60.75 ~ 61.5		sil arg lp tf w/qtz v, py	1.70	6.0
	ave	1		1. 41	6. 1
	averge	3. 55		1.84	6.0
	averge	5. 10		1. 44	4.8
	100.00 ~ 100.8		qtz v net most abundant zone	3. 20	2.5
]	100.80 ~ 101.		sil arg lp tf	tr	1.5
	101.50 ~ 101.8		qtz v(15cm),qtz vlet-net	nd	9.0
	averge	1.80	nd:not detec	1.42	3. 2

nd:not detected, tr:trace

abbreviation

arg:argillized, bre:breccia, brecd:brecciated, dr:drusy,

hem:hematite, limo:limonitized, lp:lapilli,

net:network, py:pyrite, qtz:quartz, sil:silicified, st:strongly tf:fuff, v:vein, vlet:veinlet, wk:weak, w/:with

Drill	Depth	Length	Rock Name	Au	Ag
llole	(m)	(m)	The state of the s	(g/t)	(g/t)
W1700 0	$116.30 \sim 117.35$	1.05	gtz net bearing brecd zone	1.05	9.5
MJPC-2	$175.60 \sim 176.45$	0.85	qtz v-vlet most abundant zone qtz brecd v. sil arg lp tf	0. 25	4, 5
1	$178.15 \sim 178.95$ $178.95 \sim 179.80$	0.80	qtz breed v. sir arg ip ti qtz breed v. qtz v-vlet net	0. 45	4. 0 2. 5
	$179.80 \sim 180.70$	0.90	sil arg lp tf w/qtz-py v	0. 25	2. 0
1	180, 70 ~ 180, 90	0.20	qtz brecd v w/Fe qtz	1.15	7.0
l ' :	averge	2.75	462 b1004 1 #/10 468	0.45	3. 1
	183.65 ~ 184.00	0.35	gtz v	0.15	2. 5
	186.80 ~ 187.60		qtz v, qtz net v zone	0.55	3.0
·	$187.60 \sim 188.20$	0.60	sil arg lp tf	0.80	3.0
l	188.20 ~ 189.00	0.80	qt v	0.10	3.0
	averge	2.20		0.45	3.0
	189.00 ~ 190.35	1. 35	sil arg lp tf w/qtz v-vlet net	0.05	2.0
	190.35 ~ 191.65	1.30	"	0. 20	1.5
	$191.65 \sim 192.40$	0.75	<i>"</i>	nd	1.5
	$192.40 \sim 193.50$	1.10	<i>"</i>	0.55	16.5
	averge		;	0. 21	5. 3
	$193.50 \sim 194.15$	0.65	qtz v	1.40	41.5
]	$194.15 \sim 194.80$	0.65	"	1. 35	35.5
		1.30		1.38	38.5
j .	averge	8.00	ail and the bas whater would	0.47	10.1
]	$194.80 \sim 195.50$ $195.50 \sim 196.60$	0.70 1.10	sil arg tf bre w/qtz v,vlet	0.30	6.0 6.5
	193. 50 ~ 196. 60 averge		. · · · · · · · · · · · · · · · · · · ·	0.30	6.3
]	averge	9.80		0.43	9. 4
	208.65 ~ 209.00	0.35	gtz v	0.45	14.5
i	230.80 ~ 231.30	0.50	arg sil lp tf partly brecd,	0. 20	4.0
	231.30 ~ 232.40	1.10	qrz v-vlet net, qtz-clay	nd	2. 5
	$232.40 \sim 233.50$	1.10	net v	0.35	5.5
	averge	2.70		0.18	4.0
i -	242.50 ~ 243.15	0.65	qtz v(fine qtz vlet net)	0.65	18.0
	$243.15 \sim 244.00$	0.85	sil arg lp tf	tr	3.0
	244.00 ~ 244.90	0.90	qtz v(fine qtz vlet net)	0.50	18.5
	averge			0.36	12. 9
1	244. 90 ~ 246. 00	1. 10	sil arg lp tf w/qtz vlet net	0. 25	5.5
	averge	3.50		0.33	10.6
MJPC-3	41. 10 ~ 42. 40	1. 30	limo qtz v partly dr	0.70	14.0
MOTO 0	42. 40 ~ 43. 60	1. 20	sil arg lp tf	0.40	4. 5
	43.60 ~ 43.95	0.35	limo qtz net v	3.00	2. 5
	43.95 ~ 44.85	0.90	arg lp tf	0.65	9. 0
j	44.85 ~ 45.10	0. 25	wk limo dr qtz v	2.40	22. 0
	averge	4.00	-	0. 91	9. 5
1	59.55 ~ 60.30	0.75	fault bre (qtz, sil rock bre)	0.65	9.0
	63.30 ~ 64.10	0.80	wk limo dr qtz v	2. 40	22.0
	91. 20 ~ 91. 65	0.45	qtz v15cm/qtz vlet net zone30cm		10.5
	$133.00 \sim 133.50$	0.50	wk limo grz v partly dr	0.30	20. 5
	$148.75 \sim 150.00$	1. 25	qtz v partly dr	1. 20	37.0
	150.00 ~ 151.00	1.00	sil tf bre w/qtz vlet	1.15	9.0
	$151.00 \sim 152.00$	1.00		0.65	7.5
	152.00 ~ 153.00	1.00	"	0.80	9.0
}	averge averge	3.00 4.25		0.87 0.96	8. 5 16. 9
	167. 80 ~ 168. 86	1.06	qtz bre (fault bre)	0.55	2. 5
	168.86 ~ 169.85	0.99	diz ole (lault ble)	0.35	10.0
	169.85 ~ 171.00	1.15		0.45	4. 5
]	averge			0.48	5. 5
	$171.00 \sim 172.40$		sil arg tf bre	0.25	3. 0
] -]	$172.40 \sim 173.05$	0.65	qtz v	0.35	4.5
	ачегде	2.05		0.28	3.5
	averge	5. 25		0.40	4.7

Drill	Depth	Length	Rock Name	Au -	Ag
Hole	(m)	(m)		(g/t)	(g/t)
	$180.10 \sim 180.80$			0.95	4.0
MJPC-3	$184.25 \sim 184.50$	0, 25		0. 55	6.0
Ì	$199.70 \sim 200.65$	0.95	bre w/qtz matrix	0.50	2.0
	200.65 ~ 201.60	0.95	"	0.45	2.0
	201.60 ~ 202.55	0.95	"	1.00 0.70	6.0
	202. 55 ~ 203. 50	0.95	"	0.66	3.0
	averge 203, 50 ~ 204, 50	3.80 1.00	ata u nantiu dakhaa	2. 35	3.3 44.5
	$203.50 \sim 204.50$ $204.50 \sim 205.50$	1.00	qtz v partly dr&bre	1.65	20.0
	$204.50 \sim 206.50$	1.00	",	0. 25	79.0
	206.50 ~ 207.20	0.70	"	1. 70	59.0
1	average			1. 47	49.9
1	averge	7. 50		1.06	26.3
	207. 20 ~ 208. 20		sil lp tf partly gray qrz net	0.15	1. 5
	208. 20 ~ 209. 10		"	0.10	3. 5
	209.10 ~ 209.30		fault bre	0.10	3.0
	averge			0.12	2. 5
	averge	9.60		0.86	21. 1
	219.95 ~ 221.10	1.15	qtz v	1. 35	35. 5
!	58. 20 ~ 58. 90			0.10	14.5
MJPC-4	58.90 ~ 60.35	1. 45	sil arg lp tf	1.00	13. 5
	averge	2. 15	fault h w/ ata hno	0.71	13.8
	65. 23 ~ 67. 15	1. 92	Taure D W/ gez ore	ļ	5.0
	82. 70 ~ 83. 15	0.45	sil tf bre w/qtz net	0.30	10.5
	91.30 ~ 92.00	0.70	qtz v	0.75	14. 5 7. 0
	92.00 ~ 92.65	0.65 1.35	sil arg tf bre w/qtz vlet net	0 50	10.9
	averge 126.90 ~ 127.15		dr qtz-calcite v		29.0
	$128.30 \sim 127.13$			0.50	16.5
	$200.60 \sim 201.10$	0. 50	qtz net v	0.75	14.0
	201. 10 ~ 201. 95	0.85	sil arg lp tf	0.50	4.5
	201. 95 ~ 202. 90	0.95	qtz net v	0.75	13. 5
	averge	2. 30		0.66	10.3
	242.55 ~ 243.85		sil arg tf bre	0.10	3.0
	243.85 ~ 244.80	0.95	qtz v	0.35	10.5
	244.80 ~ 246.40	1.60	sil arg hem net tf bre	0.20	3.5
	averge	3, 85		0. 20	5, 1
	$252.20 \sim 253.15$	0.95	qtz vlet net zone (fault bre)	0. 25	10.0
]	261. 70 ~ 262. 70	1.00	fault bre	0.10	3.5
	262. 70 ~ 263. 70	1.00	<i>"</i>	0.10	2. 5
]	263.70 ~ 264.70	1.00	<i>"</i>	0. 25	2. 5
	264.70 ~ 265.70	1.00	<i>"</i>	0. 25	3.0
]	265.70 ~ 266.70	1.00	"	0.35	3.5
1	$266.70 \sim 267.70$ $267.70 \sim 268.70$	1.00	<i>"</i>	0.10	3.0
[$261.10 \sim 268.10$ $268.70 \sim 269.70$	1.00 1.00	"	0. 10 0. 10	3.5
	$269.70 \sim 270.85$	1.00	, , , , , , , , , , , , , , , , , , ,	0. 10	3. 0 2. 5
	averge	9. 15	· ·	0. 20	3.0
	274. 40 ~ 274. 80	0.40	qtz v	0. 20	10.0
	$278.70 \sim 278.93$	0. 23	gtz v	0. 10	8.0
	10.10 610.30	V. 40	372	V. 1V	υ. υ
MJPC-5	4.15 ~ 5.30	1. 15	limo dr qtz v	1. 15	9. 5
"	19.40 ~ 19.60	0. 20		1.05	22. 5
	31.75 ~ 32.40	0.65	gtz v	0. 90	35.5
1	46.80 ~ 47.05	0.25	gtz v	1. 35	8.0

	Drill	Depth	Length	Rock Name	Au	Ag
	Hole	(m)	(m)		$\left \left(g/t \right) \right $	(g/t)
		51.00 ~ 51.20	0.20	qtz v	0.25	9, 0
	MJPC-5	69.60 ~ 70.15	0.55	qtz v	0.18	6.0
		74.40 ~ 74.70	0.30	dr qtz v	2. 30	7.5
	}	76.90 ~ 77.10		qtz v	0.10	4.0
	l	77.10 ~ 78.15	1.05	sil lp tf w/ qtz vlet	0. 20	3.0
		78.15 ~ 78.35	0, 20	qtz v partly dr	0.60	9.0
		78.35 ~ 79.00	0.65	sil lp tf w/ qtz vlet	0. 25	2.0
		79.00 ~ 79.30	0.30	qtz v	0.15	5.5
	}	79.30 ~ 79.85	0, 55	sil lp tf w/qtz vlet	0.10	1.5
	1	79.85 ~ 80.45	0, 60	qtz v w/py stringer	2.00	25, 5
]	averge	3.55		0.51	7.0
		121.45 ~ 122.60		qtz v partly dr	2.05	66.0
		122.60 ~ 123.75	1, 15	"	1. 25	41.0
	ĺ	averge			1.65	53, 5
		123.75 ~ 125.30		qtz v-vlet net	0.85	4.5
	.	averge	3.85		1.33	33.8
]	23.80 ~ 24.36	0.56	gtz v partly dr	3.45	26.0
	MJPC-6	53. 25 ~ 53. 80	0.55	crushed qtz v		6.5
		61. 90 ~ 62. 45	0.55	blackish bre w/qtz net	0.35	16.0
		62.45 ~ 63.30	0.85	blackish bre w/qtz vlet net	0.80	4.5
		$63.30 \sim 64.20$	0.90	"	nd	5.0
		64. 20 ~ 65. 20	1.00	blackish bre w/qtz net	0.15	5.5
		65. 20 ~ 66. 20	1.00	"	0.75	8.5
		averge	4.30	***************************************	0.41	7. 2
		70.30 ~ 71.00	0.70			22. 5
		91. 20 ~ 91. 40	0. 20	gtz v	0.20	12. 5
		97.05 ~ 97.32	0. 27	qtz v	0.40	12. 5
		119.10 ~ 119.50	0.40	sil lp tf w/qtz net w/barite	0.10	2. 5
		$120.80 \sim 122.00$	1. 20	qtz v abundant sheared zone	0. 55	5. 0
		$127.10 \sim 127.82$	0.72	gtz v partly dr w/py	0.70	6. 5
		129.42 ~ 129.67	0.25	brecd qtz v	0. 25	2. 0
		$136.30 \sim 136.60$		gtz v	0.20	14.5
		$156.35 \sim 157.05$	1	gray qtz w/white qtz vlet net	1.10	28. 5
		157.05 ~ 158.20		qtz v partly dr	0.60	22. 5
		$158.20 \sim 159.33$	1.13	"	1.70	45.5
		159.33 ~ 160.14	0.81	"	0.50	26.0
		160.14 ~ 160.85		<i>"</i>	0.95	18.0
į		averge 210 co	4.50	a4a v	0.99	29.1
		$210.30 \sim 210.60$	0.30	qtz v	0.25	6.5
		210.60 ~ 211.50	0.90	fault bre w/qtz vnet	0.80	23.0
		averge 211.50 ~ 212.70	1. 20 1. 20	sil tf bre w/qtz vlet net	0.66 0.20	18. 9 2. 5
		$211.50 \sim 212.70$ $212.70 \sim 213.95$	1. 25	all if ole #/dix Alet Het	1 1	2. 5
		$213.95 \sim 214.90$	0.95	bre w/qtz v net	0.30	4.0
i				DIG #/ QLZ Y HGL	0.30	
		averge	4.60		0. 29	2. 9 7. 1
Į.		averge	4,00		U. 63	

Apx. 9 Assay Results of Drilling Core in the Jehuamaca Area

Assay Results of Drilling Core in Jehuamarca Area Apx. 9

		-	72	1 4			ח ה	7
Drill	Depth	Length	Rock Name	Au	A g	C u (%)	P b (%)	Zn _(%)
Hole	(m)	(m)	accused at a V	(g/t) 0.35	(g/t) 14.0		0. 21	0.55
Luini .	77.70 ~ 78.00	0.30	compact qtz v	0.55	7.5	tr tr	0.29	0. 21
MJPJ-4	$78.00 \sim 79.20$	1. 20	sil arg tf	0. 33	5.5	tr	0.18	0. 21
	79. 20 ~ 80. 40	1. 20	" "	0. 23	5.0	tr	0.17	0. 65
	80.40 ~ 81.60	1. 20	"	0. 47	6.0	tr	0.21	0. 32
	average			0.46	6.6	tr	0.21	0.34
	average	3.90		0.40	<u> </u>		V. 41	V, 94
	0.00 ~ 1.00	1.00	wk limo bre dr sil	0. 20	8.0	tr	0.40	0.57
MIDIE	1.00 ~ 2.00	1.00	W IIIIO DIE di SII	0.60	10.5	0.02	0.47	0. 22
MJPJ-5	2.00 ~ 3.00	1.00	 !/	0.55	6.0	tr	0.34	0.01
	3.00 ~ 4.05	1.05	bre dr sil	0.50	29. 5	0.01	0.25	2. 23
	ł	4.05	ble di six	0.46	13.7	0.01	0.36	0.78
	average 7.95 ~ 9.00	1.05	dr qtz vlet net sil tf	0.50	17.5	0.01	0.23	0.35
	9.00 ~ 10.05	1.05	"	0.15	16.0	0.05	0.15	0.37
1	10.05 ~ 11.50	1. 45	arg chl lp tf	0.85	22. 5	0.01	0.41	0.61
	average	3. 55		0.54	19. 1	0.02	0. 28	0.46
	87.90 ~ 88.70	0.80	sil arg lp tf	nd	25.0	tr	0.07	0.44
j	88.70 ~ 90.30	1.60	sil tf	nd	47.5	tr	0.08	0. 25
	90.30 ~ 91.30	1.00	sil arg tf	0.90	95.0	tr	0.69	2. 27
	91.30 ~ 92.30	1.00	chl tf	0. 25	9.0	tr	0.03	0.12
1	92.30 ~ 93.55	1.25	chl tf	0.10	5.0	tr	0.01	0.10
i i	93.55 ~ 94.80	1.25	chl tf	0.20	16.5	tr	0.01	0.08
	94.80 ~ 96.25	1.45	arg tf	nd	3.5	tr	0.00	0.06
	ачетаде	8.35		0.18	27.8	tr	0.11	0.41
]				
Ì	0.00 ~ 1.00	1.00	wk limo dr sil	0.05	3.0	tr	0.02	0.01
MJPJ-6	1.00 ~ 2.10	1. 10	"	0.15	3.5	0.01	0.04	0.01
1	2. 10 ~ 3. 20	1. 10	wk lomo dr bre sil	0.35	10.0	0.01	0.02	0.01
	3. 20 ~ 3. 90	0.70	limo dr bre sil	0.40	5.5	0.02	0.12	0.01
	3. 90 ~ 5. 15	1. 25	med limo dr bre sil	0. 25	3.0	0.01	0.01	0.00
	5. 15 ~ 6. 10	0.95	"	0.60	17.5	0.01	0.01	0.00
1	average		-	0.29	6.9	0.01	0.03	0.01
1	$6.10 \sim 6.60$	0.50	limo tf	1.50	8.5	0.04	0.04	0.01
	6.60 ~ 7.65	1.05	st limo dr bre sil	3. 45	269.0	0.06	0.07	0.02
	$7.65 \sim 10.20$	2. 55	limo gos dr sil	2. 40	59.5	0.07	0.07	0.02
	10. 20 ~ 11. 80	1.60	limo arg dr bre sil	1.00	33.0	0.04	0.08	0.02
	$ 11.80 \sim 12.85$	1.05	"	0.15	6.0	0.03	0.06	0.02
	average			1.81	73. 7	0.05	0.07	0.02
	average	12.85	and ahl ail in the	1.09	42.0	0,03	0.05	0.01
	12.85 ~ 13.95	1.10	arg chl sil lp tf	0.35	44.5	0.21	0.51	0.62
	13.95 ~ 15.55	1.60	chl lp tf	0.70	34.0	0.02	2.03	3.67
	15.55 ~ 16.90	1. 35	arg chl sil lp tf	0.05	11.5	tr	0.51	0.73
	16. 90 ~ 18. 30	1.40	<i>"</i>	nd	3.5	tr	0.13	0.09
	18.30 ~ 19.40	1.10	<i>"</i>	0.05	3.5	tr	0.10	0.08
	19. 40 ~ 20. 45	1.05	<i>"</i>	0.05	2.0	tr	0.07	0.02
	average	7.60 20.45		0. 22	17. 1 32. 7	0.03 0.03	0.64 0.27	1.02
L	average	1 40. 40		10.11		detect		0, 39

abbreviation

nd:not detected, tr:trace arg:argillized, brc:breccia, bre:brecciated, chl:chloritized, dr:drusy, gn:galena, gos:gossan, limo:limonitezed, lp:lapilli, med:medium, net:network, py:pyrite, qtz:quartz, sh:shale, sil:silicified, sp:sphalerite, st:strong, tf:tuff, v:vein, vlet:veinlet, weath:weathered, wk:week, w/:with.

Drill	Depth	Length	Rock Name	Au	Ag	Сu	Рb	Zn
<u> Hole</u>	(n)	(m)	en e	(g/t)	(g/t)	(%)	(%)	(%)
WIDT B	0.00 ~ 1.25	1. 25	dr bre sil	0.05	4.5	tr tr	0.25 0.14	0.01 0.58
MJPJ-7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.95 1.00	arg sil csg tf	nd	18. 5 32. 5	tr	0.14	0.49
	average			0. 17	25.7	tr	0.12	0. 53
	81.75 ~ 83.05	1. 30	arg tf	0, 55	223.5	0.03	0.18	0.18
	83.05 ~ 84.40	1. 35	qtz v(0.60m) & fault bre	0.60	236.0	0.06	0.13	0.31
	84.40 ~ 85.60	1. 20	sil arg lp tf w/sp,py vlet	0.80	205. 5	0.06	0.10	0.41
	average			0.65	222. 3	0.05	0.13	0.30
	85.60 ~ 86.80	1. 20	"	0. 15	19.0	0.02	0.10	0.80
	86.80 ~ 88.00	1. 20	" "	0.05	66.5	0.07	0.78 0.42	2. 04 1. 12
1	$88.00 \sim 89.20$ $89.20 \sim 90.40$	1. 20 1. 20	"	0.05 0.05	12. 0 10. 5	0.01 0.01	0.42	0.60
	90. 40 ~ 91. 60	1. 20	"	0. 10	18.0	tr	0.44	1. 20
	91.60 ~ 92.80	1. 20	"	0.80	14. 5	tr	0.34	0.54
	92.80 ~ 94.00	1. 20	<i>"</i>	nd	13. 5	tr	0.11	0.30
	94.00 ~ 95.20	1.20	, , , , , , , , , , , , , , , , , , , ,	nd	7.0	tr	0.13	0.40
]	95. 20 ~ 96. 40	1. 20	"	0.45	7.0	tr	0.25	0.61
	96. 40 ~ 97. 60	1. 20	"	0.15	80.5	0.01	0.34	0.99
	97.60 ~ 98.80	1.20	"	0.30	17.0	tr	0.20	0.32
	98.80 ~ 100.00	1.20	"	nd	14.0	0.01	0.28	0.53
	average	20. 20		0.18 0.14	23.3 19.1	0.01 0.01	0.30 0.23	0.79 0.61
	average	20. 20		0.14	19.1	0.01	0.23	0.01
	28.90 ~ 29.65	0.75	bre sil	0.75	23.5	1.23	0.11	0.44
MJPJ-8	29.65 ~ 30.75	1.10	arg sil lp tf-tf alternation		74.5	0.04	0.06	0.03
	30. 75 ~ 31. 75	1.00	sil arg tf breccia	0. 70	11.5	0.26	0. 20	0.32
	$31.75 \sim 33.30$	1.55	"	0.45	7. 5	0.07	0.39	0.55
	$33.30 \sim 34.90$	1.60		0.75	19.0	0.27	0.71	1.71
	34.90 ~ 36.20	1. 30	"	0.65	5.5	0.11	0.37	0.43
	36. 20 ~ 36. 80	0.60 7.15	"	5. 25 0. 96	49.5 24.1	0.42 0.17	0.70 0.41	1.60 0.76
	average average	7. 90		0. 94	24. 0	0.27	0.38	0.73
	$65.65 \sim 66.40$	0.75	sil chl lp tf	0. 20	20.0	0.02	0.09	1.96
j	66.40 ~ 67.40	1.00	"	0.35	36.5	0.05	0.12	1.05
	67.40 ~ 68.10	0.70	sil chl & sil lp tf	0.15	13.0	0.02	0.07	0.11
	average			0. 25	24.7	0.03	0.10	1.06
	68. 10 ~ 68. 40	0.30	qtz v		1065.0	5. 11	0.99	9. 22
!	68.40 ~ 69.25	0.85 1.15	sil arg lp tf		264. 0 473. 0	1.67	0.17 0.38	1.10
[average average	3.60		1.40 0.61	167. 9	tr 0.02	0.19	3. 22 1. 75
	96.60 ~ 97.00	1. 20	sil arg lp tf	0. 25	8.0	0.02	0.07	0.15
	97.00 ~ 99.00	1. 20	"	0.05	6.0	0.01	0.04	0.12
]	99.00 ~ 100.00	1.00	"	0.05	6.0	0.01	0.04	0.13
	average	3.40		0.12	6. 7	0.01	0.05	0.13
	04.40	0.00			46.0		0.40	
NIDI O	21. 10 ~ 22. 00	0.90	sil arg lp tf	0.25	13.0	tr	0.48	1.12
MJPJ-9	$22.00 \sim 23.00$ $23.00 \sim 24.00$	1.00 1.00	<i>!!</i>	0. 65 0. 55	20.0 14.5	0.01 tr	1.12 0.53	2. 75 1. 40
	$24.00 \sim 24.00$ $24.00 \sim 25.00$	1.00	"	0.05	9.5	tr	0.19	0.45
	25.00 ~ 26.05	1.05	"	0.45	8.0	tr	0.08	0. 43
] .]	26.05 ~ 27.10	1.05	"	0. 15	8.0	tr	0.18	0. 51
	27.10 ~ 28.30	1. 20	<i>"</i>	0.40	9. 0	tr	0.36	0.87
[average	7.20		0.36	11.6	tr	0.41	1.03
1	$92.90 \sim 94.00$	1.10	sil arg tf-tf sh alternation		6.5	tr	0.29	1.06
	94.00 ~ 95.10	1.10	"	0.05	8.0	tr	0.41	1. 30
l	95. 10 ~ 96. 05	0.95	" ahl in tf	0.05	6.0	tr	0.02	1.02
	96.05 ~ 97.10	1.05 4.20	chl lp tf	0.05 0.04	7.0 6.9	tr tr	0.31 0.27	1.06
<u></u>	average	4. 40		U. U4	0.9	LI I	V. 41	1.11

Drill	Depth	Length	Rock Name	Au	Ag	Сu	Рb	Z n
Hole	(m)	(m)		(g/t)	(g/t)	(%)	(%)	(%)
	25. 40 ~ 26. 45	1.05	qtz v	0.05	39.5	0.03	0.05	0.03
MJPJ-10	26. 45 ~ 27. 20	0.75	"	0.15	93.5	0.03	0.08	0.02
	average			0.09	62.0	0.03	0.06	0.02
	27. 20 ~ 27. 95	0.75	arg sil tf brc (fault brc)	0.40	48.0	0.90	0.03	0.76
	27.95 ~ 29.05	1.10	"	0.55	11.0	0.20	0.03	0.15
	29.05 ~ 29.95	0.90	<i>"</i>	0.10	8. 5 20. 3	0.20	0.02 0.03	0. 29 0. 36
	average	***********	arg sil lp tf	0. 36 nd	9.5	0.39 0.15	0.02	0. 21
	$\begin{vmatrix} 29.95 \sim 30.75 \\ 30.75 \sim 31.55 \end{vmatrix}$	0.80	arg sir ip ti	0.10	6.0	0.13	0.02	0.63
	$31.55 \sim 32.55$	1.00	sil arg lp tf py-sp stringer		4.5	0.19	0.06	1.69
	$32.55 \sim 33.55$	1.00	"	0. 10	4.5	0.02	0.14	2. 68
	33.55 ~ 34.55	1.00	"	0. 15	4.0	0.19	0.14	1.60
	34.55 ~ 35.55	1.00	"	0.10	3.0	0.10	0.21	1.72
	35.55 ~ 36.55	1.00	"	0.20	1.5	0.02	0.13	3.49
	36.55 ~ 37.55	1.00	"	0.05	2.0	0.01	0.10	2.73
	37.55 ~ 38.55	1.00	<i>"</i>	0.05	3.0	0.02	0.26	3.87
	38.55 ~ 39.60	1.05	"	0.10	4.0	0.02	0.42	3. 78
	39.60 ~ 40.75	1.15	` <i>II</i>	0.05	6.5	0.02	0.40	1.96
•	40.75 ~ 41.40	0.65	sil lp tf	0.10	6.5	0.01	0.09	0.69
	41. 40 ~ 42. 40	1.00	sil arg lp tf py-sp stringer		6.0	0.02	0.12	4.89
	42. 40 ~ 43. 40	1.00	"	0.05	6.5	0.01	0.10	4. 98
	43. 40 ~ 44. 40	1.00	"	nd	10.5	0.01	1.14	2.79
	44.40 ~ 45.40	1.00	<i>"</i>	0.15	7.0	0.01	0.77	2.06
	45. 40 ~ 46. 40	1.00))))	0.05	6.0	0.00	0.56	1. 21
	46. 40 ~ 47. 20	0.80	"	0. 10 0. 12	6.5	tr 0.05	0 45 0 30	1. 44 2. 45
	average	20.00		0. 15	7.4	0.10	0. 26	2. 16
	average average	21.80		0.15	11. 9	0.09	0.24	1. 98
	avorago	41.00		<u> </u>	111.0	0.00	0.131	
	29. 15 ~ 30. 40	1. 25	sil tf	0.45	15.0	0.01	0.25	0.70
MJPJ-11	65.70 ~ 66.70	1.00	sil lp tf	nd	8.5	0.01	0.04	1.23
	66.70 ~ 67.70	1.00	"	0.65	47.0	0.13	0.18	2. 17
	67.70 ~ 68.35	0.65	"	0.60	24.0	0.06	0.43	1. 52
	average	2.65	·	0.39	26.8	0.07	0.19	1.65
	71.60 ~ 72.65	1.05	qtz concentrated zone	0.95	45.4	0.19	0.08	0.06
	72.65 ~ 73.50	0.85	"	0.60	46.5	0.27	0.07	0.09
!	73.50 ~ 75.10	1.60	"	0.05	89.5	0.17	0.03	0.16 0.10
	75. 10 ~ 76. 15	1.05	"	0.30	29.5	0.14	0.04	i i
	average	4. 55		0.42	57.4	0.19	0.0 <u>5</u>	0.11
MJPJ-12	1.00 ~ 2.50	1.50	weathered lp tf	0.95	8.0	0.01	0.04	0.01
1	2. 50 ~ 4. 25	1. 75	limo bre sil partly dr	0.45	60.0	0.01	0.22	0.01
	4. 25 ~ 5. 55	1. 30	"	0.65	26.5	0.01	1.01	0.01
	5. 55 ~ 7. 25	1.70	<i>"</i>	0.45	29. 5	0.01	0.41	0.01
{	7. 25 ~ 8. 05	0.80	"	0.45	36.0	0.00	0.16	0.01
	8.05 ~ 9.50	1.45	"	0.10	14.0	0.01	0.07	0.00
	9.50 ~ 10.65	1.15	"	0.60	28.5	tr	0.09	0.00
	10.65 ~ 11.65	1.00	"	0.45	65.0	0.01	0.19	0.01
	$11.65 \sim 12.55$	0.90	"	0.55	27.5	tr	0.11	0.00
	12.55 ~ 13.55	1.00	"	0.45	12.0	0.01	0.08	0.01
	13.55 ~ 14.55	1.00	"	0.30	117.0	tr	0.18	0.00
	14.55 ~ 15.40	0.85	"	0.60	81.0	0.01	0.61	0.01
	15. 40 ~ 17. 20	1.80	"	0.55	64.0	0.01	0.89	0.02
	average			0.46	45.9	0.01	0.37	0.01
	average 19.80 ~ 21.10	16.20	limo bre sil	0.51	42.4	0.01	0.34	0.01
	$\begin{vmatrix} 19.80 & 21.10 \\ 21.10 & 22.40 \end{vmatrix}$	1. 30 1. 30	11mo bre sii	0.45 0.55	17.5 6.0	0.01	0.41 0.10	0.01 0.00
	22. 40 ~ 23. 40	1.00	"	1.65	32.5	tr tr	0.10	0.00
	23. 40 ~ 24. 45	1.05	"	1. 10	60.5	0.03	1.27	0.00
	average	4.65		0.88	27. 2	0.01	0.73	0.01
		4. 77		V. VV.				

Drill	Dept	h	Length	Rock Name	Αu	Ag	Сu	Рb	Zn
Hole		(m)	(m)		(g/t)	(g/t)	(%)	(%)	(%)
	1.80 ~	3.00	1. 20	sil arg bre	0.80	21.0	0.06	0.20	0.06
MJPJ-13	3.00 ~	3.80	0.80	"	nd	12.5	0.06	0.07	0.04
	3.80 ~	4.70	0.90	<i>II</i> ·	0.30	15.5	0.08	0.11	0.06
	4.70 ~	5.75	1.05	limo weathered bre	0.30	10.0	0.04	0.09	0.02
	5.75 ~	6.55	0.80	"	0.50	515.0	0.04	0.10	0.02
	6.55 ~	7.60	1.05	limo sil bre	0.55	61.0	0.01	0.22	0.00
l i	7.60 ~	8.40	0.80	"	0. 20	39.0	0.01	0.05	0.01
	8.40 ~	9.40	1.00	"	0. 20	71.5	0.02	0.04	0.01
	average		7.60	*****	0.38	84.0	0.04	0.12	0.03
	9.95 ~	11. 15	1. 20	limo net sil bre	0.40	124.0	0.03	0.11	0.02
]	11. 15 ~	12.30	1.15	sil bre	0.10	72.0	0.06	0.07	0.03
	average		2. 35		0. 25	98.6	0.05	0.09	0.02
	17. 20 ~	18. 20] 1.00]	arg sil tf breccia	0.40	124.0	0.14	0.15	0.07
	18.20 ~	19. 10	0.90	"	0.10	72.0	0.12	0.03	0.05
ì	19.10 ~	20.00	0.90	"	0.30	130.0	0.33	0.06	0.04
	average		2.80	****	0.27	109.2	0.19	0.08	0.05
	37.30 ~	38.40	1.10	sil tf	0.05	18.0	0.01	0.24	0.44
	38.40 ~	38.40	1.00	"	0.50	14.5	0.01	0.34	1.09
	38.40 ~	40.70	1.30	sil arg lp tf	0.15	21.0	0.01	0.33	1. 42
	40.70 ~	42.10	1.40	sil lp tf	1. 20	26.0	0.01	0.40	2. 24
	42. 10 ~	42.70	0.60	sil arg lp tf	0.15	15.0	tr	0.29	1. 24
1	42.70 ~	43.70	1.00	sil lp tf	0.15	19.0	0.01	0.81	1.94
	43.70 ~	44.80	1.10	"	0. 25	13.0	0.01	0.48	0.75
	average		7.50	•••••••••••••••	0.39	18.7	0.01	0.41	1.34
1	49.90 ~	50.90	1.00	sil lp tf	0. 15	20.5	0.01	0.62	1. 29
	50.90 ~	51.90	1.00	"	0. 25	21.5	0.01	0.47	1.83
	51.90 ~	52.90	1.00	"	0. 20	8.0	tr	0.08	0.51
]	52. 90 ~	53.90	1.00	"	0.10	19.0	0.01	0.09	0.34
j	53.90 ~	54. 90	1.00	"	0.65	10.0	tr	0.18	0.62
	54. 90 ~	55.90	1.00	<i>"</i>	0.75	6.0	0.01	0.13	0.56
	average		6.00		0.35	14. 2	tr	0.26	0.86

Apx. 10 Assay Results of Ore at Trench-1 in the Jehuamaca Area

Apx. 10 Assay Results of Ore at Trench-1 in The Jehuamarca Area

Sample	Length	Rock Name	Au	Ag	Cu	Рb	Zn
No.	(m)		(g/t)	(g/t)	(%)	(%)	(%)
T-101	1.00	fng arg diss(py>sp>gn) lp tf (foot wall)	4.00	29.0	0.13	0.05	0.35
T-102	1.00	weath arg dr py-sp ore	1.30	1875.0	1.65	0.19	14.94
T-103	1:00	massive py-sp ore	1.60	177.0	0.19	0.11	7.08
T-104	1.00	n	1.70	138.5	0.14	0.08	0.35
T-105	0.80	"	0.75	222.0	0.24	0.20	0.42
T-106	1. 20	<i>"</i>	0.65	772.5	0.98	1.52	7.68
T-107	1.00	"	0.75	267.0	0.22	1.89	15. 26
T-108	1.00	limo leached py-sp ore	nd	242.0	0.18	1.26	16. 24
T-109	1.00	"	0.35	278.5	0.13	0.65	16.06
T-110	0.90	"	0.70	303.5	0.20	1.59	16.00
T-111	1. 20		0.55	443.0	0.05	0.16	4.64
ave.	10.1		0.83	483.9	0.41	0.77	9.85
T-112	0.80	csg arg diss(sp-py) lp tf (hanging wall)	0.45	56.0	0.02	0.50	3. 32
average	11. 90		1.07	416.9	0.4	0.7	8.6

Apx. 11 Assay Results of Geochemical Samples in the Jehuamaca Area

Apx. 11 Assay Results of Geochemical Samples in Jehuamarca Area

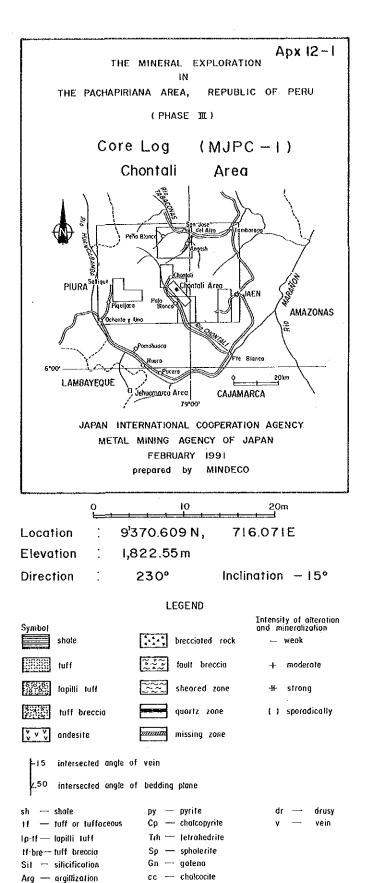
	Sample	Rock Name	Au	Ag	Сu	Рb	Zn
	No.		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)
1	R 72101	wht dr bre sil	162	3.0	39	428	6
2	R 72104	gry dr bre sil	26	99.0	44	508	38
3	R 72105	wht dr bre sil med arg	84	16.5	49	1140	90
4	R 72106	wht dr bre sil wk arg	130	4.0	66	2660	90
5	R 72107	wht dr bre sil med arg	52	1.5	2	1500	42
6	R 72108	wht arg bre sil	208	13.0	77	498	22
7.	R 72109	dr bre sil wk arg	31	0.5	31	48	2
8	R 72110	gry dr bre sil w/py	117	196.5	10	300	2
9	R 72301	wk arg wk sil wk chl lp tf	4	3.5	3	8	8
10	R 72303	wk arg wk sil wk chl lp tf	9	1.5	24	70	56
11	R 72401	wht dr arg sil	89	< 0.5	160	68	32
12	R 72403	gry-wht arg sil	89	1.5	69	760	16
13	R 72404	wht arg bre sil	4	5.0	13	56	< 2
14	R 72405	wht arg bre sil	28	12.5	135	12	8
15	R 72502	arg bre wk sil wk chl lp tf	22	2.0	5	64	< 2
16	R 72503	arg wk sil wk chl tf w/py.sp	12	4.0	9	1935	2710
17	R 72504	arg chl diss lp tf	38	1.5	322	1120	9480
18	R 72505	arg wk sil wk chl lp tf w/py,sp	24	2.5	1065	54	210
19	R 72506	gry med sil wk arg lp tf	5	1.0	22	122	52
20	R 72601	qtz v	544	100.0	748	5130	74
21	R 72602	arg chl lp tf	7	1.0	12	52	156
22	R 72604	arg med sil wk chl lp tf	5	0.5	3	22	10
23	R 72605	rhyo	2	0.5	4	12	6
24	R 72607	banded rhyo w/py	1	0.5	3	18	32
25	R 72702	wht arg wk sil lp tf	7	0.5	58	98	38
26	R 72704	dr bre sil	28	3.0	36	266	16
27	R 80101	dr bre sil	71	< 0.5	28	24	4
28	R 80102	limo dr qtz v	2130	>200.0	350	2170	44
29	R 80103	dr por bre sil	15	1.0	14	48	74
30	R 80104	por bre sil	77	3.5	46	626	28
31	R 80105	limo diss qtz v	231	194.5	37	124	6
32	R 80106	gry bre sil	55	23.0	11	64	2
33	R 80201	gry bre sil	82	162.5	79	472	8
34	R 80202	arg sil lp tf	290	11.5	47	34	8
35	R 80203	pale reddish gry qtz v	14	2. 5	58	422	16
36	R 80204	chl lp tf	14	2.0	5	196	6
37	R 80301	limo net wk arg bre sil	3	18.0	82	1830	310
38	R 80303	wk arg bre sil	15	2.0	36	34	8
39	R 80304	gry cherty bre sil	31	2.5	13	98	4
40	R 80305	med bre sil	37	2.0	8	32	4
41	R 80306	med bre sil	289	24.5	65	122	12
42	R 80307	wht arg med bre sil	3	0.5	8	26	< 2
43	R 80309	qtz v	83	>200.0	6	58	< 2
44	R 80310	limo dr qtz v	373	30.5	251	2740	38
45	R 80312	arg bre sil wk chl lp tf	111	96.0	480	1425	36
46	R 80313	bre sil	4	< 0.5	108	46	10
47	R 80314	arg wk sil tf	5	0.5	30	24	6
48	R 80401	arg chl lp tf	2	0.5	5	142	170
49	R 80402	dark gry dr qtz v	463	60.0	118	3130	380
50	R 80403	sil w/py	26	1.0	19	114	52

Abbreviations arg:argillized, bre:brecciated, chl:chloritized, csg:coarse grained, diss:disseminated, dr:drusy, fng:fine grained, gn:garena, ho:hornblende, limo:limonitezed, lp:lapilli, med:medium, net:network, por:porous, py:pyrite, qtz:quartz, rhyo:rhyolite, sh:shale, sil:silicified, sp:sphalerite, tf:tuff, v:vein, wk:weak, wht:white, w/:with

	Sample	Rock Name	Αu	Ag	Cu	Рb	Zn
	No.		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)
51	R 80404	arg sil chi lp tf w/py	36	6.5	131	476	1545
52	R 80602	black dr qtz v	41	5.5	7	262	12
53	R 80604	limo net bre sil	654	7.0	512	230	30
54	R 80605	limo diss med bre sil	596	>200.0	248	2830	282
55	R 80606	chl lp tf	17	4.5	54	404	224
56	R 80607	chl lp tf	28	1.5	58	28	28
57	R 80608	chl wk sil tf	6	7.5	93	234	96 14
58	R 80609	dr bre sil	11	1.0	10	444 326	14 22
59 60	R 80610 R 80611	chi wk sil lp tf gry sil	68	19.0	81	144	10
61	R 80701	sil tf	4	0.5	7	48	34
62	R 80703	csg chl wk sil lp tf	1	< 0.5	7	40	242
63	R 80801	weath chl wk sil hb andesite	< 1	< 0.5	48	16	8770
64	R 80802	med sil wk dr lp tf w/py, sp	2	7.0	110	30	222
65	R 80804	med sil wk dr lp tf	17	40.0	32	214	320
66	R 81402	wk sil sh	i	< 0.5	9	40	14
67	R 81403	banded rhyo	44	< 0.5	229	72	32
68	R 81406	black stratified wk sil sh	16	1.0	12	98	4
69	R 81502	qtz v	124	138.0	59	314	54
70	R 81602	dr bre sil	69	>200.0	513	1655	28
71	R 81702	dr qtz v	1570	19.0	56	356	22
72	R 81703	banded rhyo	58	117.5	15	110	< 2
73	R 81704	bre sil	47	1.0	129	72	6
74	R 81705	bre sil	71	10.5	429	122	12
75	R 82101	black wk sil sh w/py, gn	4	0.5	144	294	70
76	R 82301	gry wk dr bre sil	14	5.0	6	24	38
77	R 82302	banded rhyo dike	58	34.0	10	220	44
78	R 82401	stratifiel med sil wk chl tf w/py,gn		5.5	81	4380	6990
79	R 82402	fng med sil wk chl lp tf	6	1.0	11	260	86
80	R 82403	arg tf v w/py,gn	91	2.5	48	2460	1890
81	R 82501	gry qtz v	48	6.0	100	472	98
82	R 82503	dr bre sil	141	8.5	186	114	22
83	R 82601	stratified compact bre sil	119	< 0.5	8	152	6 50
84 85	R 82602 R 82701	dr diss sil por sil	32 39	33.5 0.5	243 199	586 22	56 8
86	R 82101	med sil wk chl andesite	39 2	< 0.5	39	88	1320
87	R 82803	chl lp tf	3	< 0.5	2	4	1320
88	R 83001	dr bre sil w/py, sp, gn	92	37.5	168	1	>10000
89	R 83002	med sil wk chl lp tf	5	2.0	11	862	272
90	R 83002	bre sil	137	8.5	55	320	64
91		dr bre arg sil	3	< 0.5	18	122	6
92		black sh	3	< 0.5	17	168	8
93		black sh-lp tf alternation	1	< 0.5	25	68	8
94		wk sil tf	< 1	< 0.5	92	2	14
95		arg wk chl lp tf	2	< 0.5	13	40	332
96		csg bre sil arg tf w/py	27	>200.0	92	644	24
97		wk sil wk chl tf w/py, sp	55	14.0	79	3270	3900
98		banded rhyo	< 1	2.5	3	30	38
99		banded rhyo	< 1	1.0	2	6	10
100		laminated med sil arg wk chl lp tf	1	1.0	4	30	56
		Rock Type (Numbers of Sammples)	Averag	e Grades			
1		Brecciated Silicified Rock (38)	96	36.1	102	580	299
		Quartz Vein (12)	435	79.9	145	1470	220
1		Rhyolite (7)	24	22.4	38	7	23
		Andesite (2)	2	0.5	44	52	5045
		Shale (5)	5	0.6	41	134	21
		Chloritezed Rock (4)	16	2. 1	30	158	70
		Argilezed Silicified Rock (32)	37	5.4	95	487	850
L		Grand Average (100)	88	21.0	71	413	933

Apx. 12 Geological Drilling Log in the Chontali Area

	Symbol	Depth	Observation	Altero	otion k	lineraliza OptenSp.a		Assoy Au As		Symbol	Observation	Altero		lineralizati p TeNSp Gn		ay Ag	Symbol	Sept.	Observation		Alter			eralizal Teh Sp G:		Assoy Au Ao 9/1 9/
	iu.	10	Wealhered timo lp-tf dr-Q12 v tragment abundant	13) #			VIII.	9/1	M			- + (-)		4-1-1-1	100 7 Tr	13- 1.5	8	-		1"						
		2124 2932 17	455tima Sit Arg Ip-11 Isoo Oft & Haganest abundant Isma weathered If (clay) Isma Sit Arg Ip-11 Isma Otz v-letnetwork abundant	+ (3) -			#=			0101 19 25 25	grey clóy with Qtz v fragment Qtz v		+-	-1 () () ()	10253 Nil 205											
		125	imo SI Ayg Ip-tf limo Otz v-letnehvork ebundant -35 Otz v 2cm + limo Arg Ip-11 Otz v fragment bearing	1 1 1							Sit Arg Ip-II Qtz v~ v-let net abundont	+ 1 -	+		1042 105.7											
		65 70 77	W 01 0-1							100 mg	Arg Ip It	- + -														
10		185 17	SS Q12 v 2cm f Nimo Arg Ip-12 Q1z v 1(agmen) bearing	(+) + +					110	200 mg	SO Oliv with carbonate & Som	- + (+) -					210-		and the second s	-				- - -		
	יו כי	95									55 Grav Icm	- ++1								İ						
		3.8	•							1553 M	En 312 Pa 124 OF Oterrates abundant		-3				-									
1 1		595	wk timo Sit Arg tp-If timo Arg tf · lp-+tf	- + -		+++	-										-									
		B I 19585	-35Sif la-tf wk limo Arg la-tf QIZ v 1.5cm	[++1] [-] *	444					35	Sil Arg Ip-If Ciz v-tet net abundant Sil Arg Ip-If	+ # - 1	計		11755 1180 1180 1185	445 65	1									
20		nc 12		(#)		111			120	839 e3	Sil Arg Ip-If	- +	11=1	+++	++		20	1	· · · · · · · · · · · · · · · · · · ·	+				+		
		225	ATS 1 Hadinetti geometri							245	\$960 Sil Arg ip-1f Qiz y 4cm Qiz y 3cm Qiz y 5cm Qiz y 2cm Qiz y 1cm		╂┼╂	+		-	1									
			limo net Sil Arg Ip-1f	<u> </u>						6000 to	50 -Q12 v L5cm 50 60 -Q12 v Lcm .Q12 v 3.cm					-	1			-						
		7.2								500 m	50 - Olt v 15cm 50 - Olt v 15cm 60 - Olt v 15cm 01cv with pytelio 4cm 43co - Olt v 2cm - Olt v 2cm - Olt v 15cm						1									
30		844. 1018.	-40wk timonet Sil lptf (imo Qtz v 2cm Qtz v let net abundant Sil Arg lptf wk limonet Sil Arg lptf	+ + +	(+)		29.9	.0.75 4.5	170	0 0 0 115 0 0 115 0 0 195					128.95 0.7		30									
30		1 20	wk limo net Sil Arg Ip-tf wk limo Arg Ip-tf	+ 1					130	04 08 14 19 24	Olz v FW (Ocm brecciated		5 (+)	(-)(-)	0.55 0.45	9.5										
	44	25 133 10	wk limo net Sil Arg lp II wk limo set Sil Arg lp II Otz vlet net 65 Otz v Zom obundant	- + (-)	1 (-)		33.4	0.65 3.5		21 2000 100 2001 100	Sir Aro Ip - H) † (-)		3 1 i	2.65 0.25	30.0 9.0										
		49 50 67 69 75 730 9.1 18 9.45	65" Q12 v 2cm rry pri obundani							\$ 150 mm		1-1-1-1-1	1				-									
		69 73 730	wk limo Arg. Ip If Ofz v fragment bearing wk limo Sit Arg. Ip 1f	====	1-	+++	+-				-012 v Icm with parallel carbonatev06c 20 -012 v 2cm with carbonatells v 2cm 55 . de 012 v with greenish clay 1cm 30 -012 v 15cm - 012 v 1cm															
40		9.45 25	55 Si Ip II white cloy 0.7 cm 65 Olz v with Pytetra 2.7 cm 35 foult breezin 3.5 cm + 35 grey clay with breezin 1.5 cm	(±){ (±)		+++	#=		140	0000 915 0000 075	30 -Otz v 1.5cm - Otz v 1cm pystringer~ne1 25 Otz v 1.5cm		++1				40						+	+		-
		23 265	5558 Ibil white clay 0.7cm 65 Otz v with Pyletia 27cm -35 fouth breecia 35cm + -35 grey clay with breecia 15cm Limo dr Otzy HW Sil Argzone 4cm	#		[-1]	42.63	005 45	_	\$558 235 \$558 235							-									
1 18	}	122,82	Sit Arg Ip+11 Olz viet net obundant	+ + -	1		43.95	0.25 4.5		\$ 100 mm	211 Mid ib 11	((+)	1 -	†††† †	_											
		59 57	Sil Arg Ip-If	413(+)			45.4 46.7 ~	0.1 3.0		862 H	Sil Arg Ip tf Qtz v-net abundant Qtz v	+ + +	+++	(-1)	24.5.95 U.1 146.4 1.05	5.0 11.5										
		145	Arg (p-1f wk timo Sil Arg (p-1f							- 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	40 Sit Arg to if Otz net obundant Arg to if (fault?)				1464 U.1 14735 I.05 1482 Nii 149.0 2.5	2.0 2.5 3.5										
1 13		25 25	dr-Qtz v frogment	, ,					1	1000	ang ip it closures				150.0	1	50							11		
1 8	***	3527	.95 Otz v 25cm .55il la-11 portly limo .55	- #	+++	=ね = ぬ=	52.15	3.65	i∃]									
	354 258	175	55 limo Ota v Icm																	-				+	İ	
		85	.45 white city from grey clay						ŀ																	
60		195 175	40 white clay 15cm 75 Olz v 2-3cm with pinkish carbonate		444	$\perp \parallel \parallel$	-		160							Z	60		**************************************	_				#		
		15 105 175	60 Otz v 1.5cm limo cłay -20. white clay 0.5cm																							
1 60		14	Sil Arg tp-1f	- + - 1			+																			
T E	9: 9:X	51 595	Simo clay AO Arg Ip-If white clay fam with Arg zone 4cm Of z v 4cm Qiz v fragment 70 Arg Ip-II Otz v 3cm	+-	-) T		\vdash		Ì	1 1							1			Ì						
#		125								.						A COLUMN	1									
70		155 12 18				$\dagger \dagger \dagger$	+		- 170	1		$\dagger \dagger \dagger \dagger$	+++	 			70			\top	\vdash			11		-
	(X)	21 3285	-30 ^{Arg lp-1f} Olz v grey cloy 5∼10cm	╞╣╬	+ =	+++	72.6 72.85	005-3.0	,	1					- Constitution of the Cons											
		.6 .6	Arg 11 Sil Arg 19-11 Timo clay		-, -		Ħ		-								1									
		12 19	Sil ip 1f Qtz v let net goundont	# # (-)		(-)	722	0.1 5.5			1															
80		9.85 9.5	SIS Arg Ip-II	+ 1-18					180								80					\perp	Ш	1		
		235	90 Sit IP II Arg zone 5cm 40 Otz v 1cm							.																
		265	50 Arg 10-11 -45 sheared zone 5cm -80 grey cloy 1.5cm														-									
		4.95 5.75	All A locus with disk-white clok 5cm					•																		
		72 ₇₅ .	Sil Arg Ip-1f		+++		+																			Ì
90-		355 866	foult breccia	11					190	{			+++	+++		2	90-			+	H		+	++		
	? ~	.65 .0	Otz v fragment Otz v fragment							1							1									
		4.25 54.8	Gtz v Si fauli breccia Sil Arg. Ip 1f	┢╬┢	- E	╁┾╂	3130	0.3 45		1							1									
		6. [2.뭖	75 Olz V2-3-cm with sinkish corbonate Olice V Scim Sil Arg Ip-11 Olice V Scim Olic	<u> </u>		111											1									
100		14	white clay 2cm +						200							3	00		. '							



Bn — bornite

Hm — hemotite

Hb — hornblende Otz — quartz

limo- limonite or limonitized

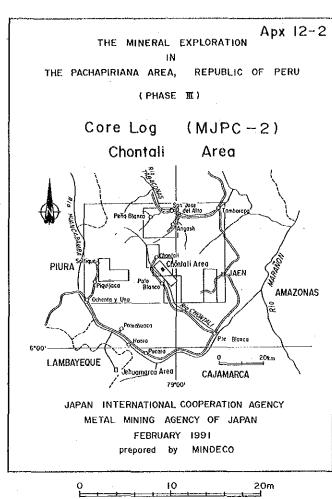
cht - chloritization

ep — epidotization

oth — others

wk --- weok

Sympo	Depth	Observation	Facture Si Salure	eration	Mi Py Cp	neraliza Yen Sp	tion in oth	Assoy Au Ao		Symbol Depth		į	Alt	SIĘ.	∉ Pv C	inerali: o Teb So	Gal of	Au	Ag Ag		Symbol		Observation	Fracture	llerolic F 5	n . € Py	Minerali Cp Ten Sp	ation Gn oth	Assoy Au Ag
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10 👸	1948 294 208	weathered limo Arg lp-1t		-	\coprod				110	3.5 3.5 0.5	Sil Arg chi(blockish) ip-11 II0.55~II0.8 wk breccioted				4)			+		210	200 125 200 125 200 125	} -}38-	Otz v Sit Arg 19:1f Qtzvnet obundant Sit Arg 16:tve Qtz v 15:-2cm ha abundant	+++	= =			209.G	0 45 145
1 88	31 31 425	de Qiz v 10cm+					-			233 a	5 20 Qtrv tem Sil Arg Ip tt -30 dr - Qirv lem 5 - 20 wikilmo Qtrv 2 cm	=	-		-					A STATE OF THE STA	20 21 20 21	35	Sil Argehtti bre perliy Hm abundant shedred zone with Qrz Hm net 5cm	Lif) - <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> ;	-			
1 183	9 515 525 72 72	timo Sil Arg Ip-tl	; (+)							12223	30. dr-Qizy lem 9-20. willing Qiz v 2cm 9-10. Sil Arg lp-1f 32-40. Qiznet bearing brecciated zone 1-20. fault breccia	+	· + ·	(-) - -	4.		116.	1 100	9.5	8	60 ss 60 ss 60 ss								
20	025	-25 timo de Qiz v tem -40 timo de Qiz v 24cm		11	-		-		120	7 4 7 275 0 4 0 0 0 0 6 0	20 Sit Arg cht H-bre	-		= =	(+) -	H		-	-	220 - 15 220 - 15 25	20 m	70	sheared zone with Otz Hos Icm.	-				-	
1000	3115 3345 3446	limo net Sit Arg 10-11	- - - - - - - - - -	-	-					Co. 29	1	-		- -	- - -	1-1-			}	XX 40.09	() () () () ()	555	grey clay 10cm with brecoid Arg Sit (f-bre (fault?) Hm net bearing	t -	+ (-)	-		-	
	5 5 5 7 7 7 7	50 limo Qtz v 3cm 50 limo Qtz v 3cm 15 limo Qtz v 1cm 70 limo Arg fort Qtz v trogmeni obundant limo ctay 4cm	(+) (+)	+	t×		1.			2003 en 2003 en 2003 en		louit?								20000X	31 54 31 66		·						
30-	0.70 X 272	z 40 – 91z v frogment-bearing timo clay 2cm lima net Sit Arg 19-tt	- +	<u></u>	-				130		20 Oiz chinat v I cm 15 Sil Arg Ip-II, parily wk brecciotion 25 Oiz v 2.5cm with Hinns 60 Sil Arg chi Ip-II	=								230	65 65 65 65 65 65 65 65 65 65 65 65 65 6	30	Sit Arg 1ptt Sit Arg 1ptt pority bracefoted (fault?) Giz v- ylet bet obundant Giz white clay net v dam+ gray clay Sam+ Giz v Sam+	+ +	+ + +	[-] 		230.3- 231.3	0.2 4.0
1 200	155 276 276 275 275	6 20 time Olz v tem wk time not Sit Angle If Olz v fromment bearing	- +	; ;	₹ (+)															450505	000 ts 000 ts 000 ts	30 250	grey clay Scot + Giz v Scot + white clay with breceig 4cm Sil chi ip-ti apparently brecciotion by Hm net		- 5	-	-	232.4 233.5	Nil 2.5
	100 100 100 100 100								1		7 25 Sii Amhafi grey Qiz with Fe Qiz L5 on	with									88 88		reddish clay with brecein Zem+		(11)				
40	925	grey cloy with Qtz v fragment		1					140-		20-55 Sil Arg bott Otz v I Gcm grey cloy I cm grey cloy i cm grey cray with breccto	6tm	in t	(~)	<u> </u>	-	-	-		240	() () () () () () () () () () () () () (30	Sit Arg tp-tf Opparently brecciption by Him net white clay 2cm ² sheared zone with grey clay	 	(+1)	Ĩ,	+		
	Č 1235	-35 white clay with breccio 2cm			~						35 Sit Arg chi lptl 30 Qiz v lem with gray day 2cm 30 Qiz v tem	-				\parallel				25:	255 2	20	Sil Ang lott while day breezio5cm Otz v Sil Ang lo-tt Otz v	Ìπ	- (-)	- - +		242.5 243.5 244.0	055 180 Tr 3.0 0.5 18.5
<u> </u>	230 425 2565 2565 2565 25695 2775	20 dr-Otz v fom 40 Qtz v fom -35 Qtz v 2cm -35 Qtz v 2cm								Ç(X) 49 (2) 45 (2) 20 20 20 20 20 20 20 20 20 20 20 20 20	s. grey ∼ black clay									2000000	₩ ₩ ω ⁶ ₩ π	552	Sit Arg Ip-14 Qtz v let not most abundant sheared zone l0cm with grey clay Hm Sitch Ip tf Qtz v 2cm Hm net bearing	+ 1/	- ⊢1 - (+)	+	(-) (-)	216.9	025 55
50	9.1	10 white clay with Otz v fragment 2cm 25 white clay 2.5cm 25 Arg (pitt fault zone?) 51 Arg (p. 17		#	=				150-	823 923 94	Sil chi to II Otz v let net bearing 35 Otz v 8 cm 35 Otz v 1 cm grey clay 2 cm	7	4.	-				-		250	550 200 300 300 300 300 300 300 300 300 30	1	Arg lp-tf		2)+1(-)	- -	+		
1 (1/20)	29	Diz v l.6 cm	1:31		5 I+)							-	-	+	╁					-									Parket and the second
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60 👺	8: 4491 005	3 Starg lp if 25 Giz v- viet net most obundant 25 Giz v 5 cm 445 Sul are that Giz v 1cm	+ + 4		+		1 *** [0.45 1.5 1.7 13.5 1.8 1.5	160-	10001	25 Greyerdy Otz v 1	·		+	$\frac{1}{1}$					260-		-		H			-	-	.
	15 27 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	Giz v obundent and with obundent py 50 Sit Arg Iprif white clay with breech 4cm 15 Otz v-v tels obundent 15 Otz v net 6cm 30 dr Qiz Icm with parallel v (~0.5cm 125 Qiz v 10cm	+ +	+	i HH		61.5	1		30	15 Qtz v L5 cm with grey cloy 30 Qtz v t cm 20 Qtz v t cm	5cm																	
	575	25 Grz v 10cm Sil Arg Ip 17 25 Gr- Otz net v 7.5cm	+ + f tets							 	-75 Qizpy v Icm	cm																	
70-1	6 8 7 76 8 65 9 75	15 Qrz v Icm 15 grey clay O.Scm 30 Qrz v 3cm with black day fcm		\perp					170	65 201 201 201	3-10 Qtz v 2cm 3- block cloy 15 Sil Arg 19-11 sheared zone iOcm wk	1	+		-			-		270		-							
	3.1	Glzy fragment bearing 10 Glzy fragment 25 dr Glzy 374 cm					.		-	20 20 20 20 20 20 20 40	15 colcedonic grey fits v 1.2 cm 20 Giz v 1.5 Zem Giz v 1.5 cm	unden																	
	535 674 1430	15 Otz carbonate v 1.5 White clay 2cm 35 Otz v 1.4 cm dr Otz v 2.6 cm	 	*					-	1008 5759	() divise a	Ţ	1	1 1	i !	1 1 1		15 0.25	1 1										
80	655 925 985	Oiz carbonale v 1.5 White clay 2cm Carbonale v 1.5 White clay 2cm Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay Carbonale v 1.5 White clay 2cm	- +	∓			-	_	180-	2 a a	Sil Arg 19-ti areccioled Or v areccioled Or v sil Arg 19-ti Or net abundont becomed Or v are to the control of the control are to the contro	¥					178 178 180	5. 0.5 95 0.45 2 025 3 718	40 25 20	280		_		 -				_	
	32	15 dr Q1z v 1.5cm 20 Sit Arg 1p 1f Q1z v L5cm 25 dr Q1z with grey cloy 4cm py tejra	+		#				-		35 Oil pet Que vote net obundent	+	1 1	11	11	1 1		S =0.15:											
	3.55 (B.75	Qiz v fragment									Orz viel with Fe Orz pet obundant Orz viel with Fe Orz pet obundant Orz v Zoch Orz v Jethor Orz v State Orz v HW 20ch Orz net v zone Orz v HW 20ch Orz net v zone	٠٠ -	П	11	1 1	\perp	1	. 1											
	275 85 9.4 015			\parallel	-			_ -	190	3503035 35035	Sil A/g lp-1f	<u> </u>	##+				183			290						-	$+\!\!\!\!+$	 	
	315 315	Q12 v withgreenish clay 10 G12 v Icm fem 10 Sit Arg ip* if Q12 v 3cm with black	- +		-		-			600 III	.30 Q1z y 1.5cm -3Q Q1z y 1.5cm			\prod	\prod		193 193	0.2 55 Nil 24 0.55 5 14 15 1.35 5 0.3	15										
300	475 461 68	-40 white clay isom clay iom -50 dr-colv isom Sit Argip-If		- (-)	\parallel		+				Sit Arg If-bre (foult?) Orzy~vlet net obundont —196.8 m Hm-bearing		## ## #####			¥-¥-1	194 195 198	1.35 0.3 6.6 0.3	35.5 6.0 6.5										
100	9.05		Ш						200	,,	white clay white clay		Ц	Ш		\coprod				300			:				Щ	<u>L</u>	



Location : 9'370.610N, 716.073E

Elevation : 1,822.11m

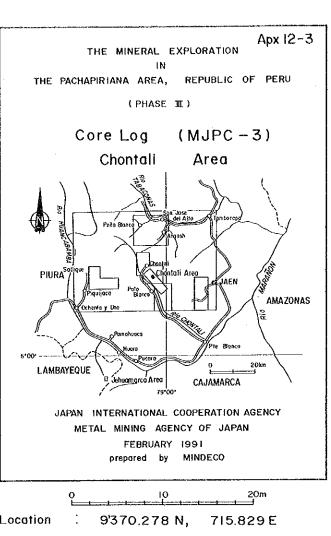
Direction : 230° Inclination -40°

LEGEND

	LUGENO	
Symbol shale	brecciated roo	Intensity of alteratio ond mineralization ck — weak
toff	fault breccio	+ moderate
lapilli tuff	sheared zone	+H- strong
tuff breccia	quartz zone	() sporadically
v v v ondesite	<i>parama</i> missing zone	
-15 intersected angle	of yein	
250 intersected angle	of bedding plane	•
sh — shole	py - pyrite	dr drusy
If tuff or tuffaceous	Co chatconvrit	v vein

tf-bre- tuff breccio Sp — spholerite
Si1 — silicification Gn — galene
Arg — argillization cc — chalcocite
ch1 — chloritization Bn — bornite

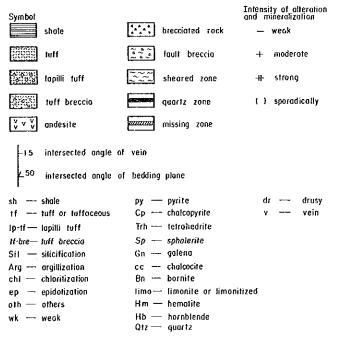
Symbol	Observation	SAlteration Mineralization	Assoy Au Ag	Symbol	Observation	Alteration	Mineralization Py Collect Sp Gn oth	Assay Au Ag 9/t Ag	Symbol Depth	Observation	Sil Sil	S S S	7	eralizot Ten So G	Alo n	Assoy Au Ag
1	timo weathered (p~1f (soil?)	t		03 to 5	30 white-grey clay 5 cm Arg. chi lp-tf wh time gray clay	# 64			203	fayl1 breceia	- #	(+)	-		\$00.65	0.5 2
333				1000 423	49 Qiz v. 2.5cm Oly u tom	- +			354 354 323	Q lz y partly dr and brecciated and with brownish carbonate	+		7 (=) (H)	{) 		0.70 3 2.35 44.5 1.63 20.0
				114 114 114	55 Otty 2.5cm	- (-) + - (-) - +]	633 "Ig		7#	+	-	+	2065 -2012	0.25 790 1.7 590 015 15
10	1			 				210		(50) fout breccie FW: Otz v 5cm Sille II S5 white clay with breccie 5cm	等		+		209:5 209:5	01 35
E2X29164		- + +		23,23	60 Qtz v lcm 45 Qtz v 2cm 65 Qtz v 3cm				999-zn	50 Qlz v 2∞lcm parallel v in 3 50 Qtz v 2 cm	en ein					
263 263 264 265 265 265 265 265 265 265 265 265 265	timo weathered ip-11 (soit?) timo weathered Sit Arg Ip-11 Ott v fragment 2x3x3cm			(000-19) (000-149 (000-149	55 04- 11 5				000 m	20 sheared zone with py 30 grey clay with breccio 6cm						
531 69	Q12 v fragment 223x3cm			1500 vii 1500 vii 1500 vii	55 Qtz v 5cm				795	50 black clay O.Sem 						
20 000		-+		20	70 limo cky 3cm			550	125 (A	50 Arg in it 50 Sheeted rone with grey clay	#				21395	1.35 35.5
	ı			5555 38 5555 38	70 limo clay 3cm 60 Otz v 1cm 80 Otz v 3cm 80 Otz v 08cm											
20 Se 200		+ - +		7865 5065 5267 5287 5287 5287]							
183 A 5 6 8 1	70 dr Gtz v 0.5cm 20 sheared zone with limo clay 3cm 40	-+		(60) (60) (60)	70 Qiz v 1.5cm grey cloy 3cm Qiz v frogmeni 2x5x3cm											
30 500 11	70 wx timo Sil Argehl Ip If imo clay 10 cm FW 30 cm Emonitized ts wx timo Sil Arg to 1f			30 (8)				230				+			-	
323	dr-Qtz v (ragment 112x2cm 30 Sit chl Ip-11 grey clay 10cm 3185 wx imo Si Ard Ip-11			248 359 359 35	grey cloy icm 270 wk limo Otz v portly dr 35 Sit chi lott grey cloy 2-3 cm with 370 Otz v 4 cm 371 Otz v 4 cm	++ -	1333	0.3 20.5]							
200 est	time Sil Arg (p+t) Arg (p+t) (foult?)	++7, (-)			35 Sit chi lott grey clay 23 Sir tenside 70 Qtz v 4cm grey clay Sit chi 14 bre											
Decel				\$ 25 miles	60 - Qtz v 0.8cm 70 - Qtz v 1.2cm	T			1							
40 000	se 75 wh timo Arg Sil Ip-11 of Otz v 1.5cm white clay 5cm of the Vital Court Execution of Otz v 2cm v 175 imo Otz v 175 imo		0.7 14	40 2000 027 2000 157	70 Qizv Icm			240				1				
196	Sil Arg Ip-If KG kmo Qfz net v KG 75 Arg In-If	# # # # # # # # # # # # # # # # # # #	0.4 4.5 3.0 25 065 9	25 125 10 10 10 10 10 10 10 10 10 10 10 10 10 1	-70 Q12 v lem Sil Arg lg-tl	-+			-							
200 un	imo Sil Arg Ip-ti	45.1 H	-24-22	12 464 12 464 13 464 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Otz v 10cm white clay Sit Ip-If	1 + + 1-3	z l		1							
12/23	35 Otz v O.5cm 05v 55 grey clay with treccia IOcm Sis Ata In-14	#		50 case 00	Glz v., portly dr FW 30cm Mecciated Otz 55 Sil 11 bre Otz vlet phydant 170 Qtz v. 10cm Qtz v. 4cm	11-	(T) 16075	12 37 250								
242	ind net \$11 Arg Ip-1f drOts v (vertical?) with lime stain	++		6000 0000 244	150 Otz v 2cm Qlz v 5cm	+ 5 [-]	1510	1.15 9 0.65 7.5 0.8 9.0								
1,000	40 atz v 0.6cm			200 mi 200 mi	Sil Arg II bre	+ 7 (-)										
10000	65 brownish corbonate v LGcm			7112	70 Off v Jom 45 Off v let net 5cm 55 Off v let net 2											
60 888 3	70 Gtz v 18cm barite 0.2cm 555-85 Gtz v 8cm 31 fourth preciciolore v,Strack breccio post Siris 70 Sil Arg Ipit Gtz carbonate with pyGn 8ar 30 brecciosed Gtz v 10cm with py Cp	5955	0.65 9	60 600				260				+		\perp		
000 23 000 23	30 breceived (12x v) Committe by Gn Bar 50 dr Qtz v with py Gn 2cm 30 wk lino dr Qtz v		1 1	6000 1.33 1000 1.33 1000 1.33	70 Olz v 2cm 60 grey day 4cm with Qlz v 6 cm				1							
	Sil Arg spar, Almeet	++	24 22	ans.	55 QIZ V ESCM				1							
500 654 654 650 658	275 Sil chi fp-tf			70	50 Otz v Icm Otz breccia (fault breccia)	+ + 1-1	367.8 168.61	0.55 2.5	-							
70 🚧 👊	35	+		70	so. Sil Arg If bre		1628	0.45 10.0 270				+				
284	crushed and fimonifized Chi Iprif Grey clay 5cm purplish clay Chi If the			046 206 265 265 366 366 526 687	50 Orz v 50 Sil If Spe 50 Grzy Grzy 3cm 50 Grzy Grzy 3cm	+ 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	172,5	025 3 -035 -45=								
55 St.	Chi If-bre 75 lîmo clay Icm			1000 1000 1000 1000 1000 1000 1000 100	The Off y Company of the Company of											
125 126 126 127 128 128	75 Otzw. fcm			66.8	and as Oty while are interesting			.								
80	39 60 grey-purplish clay with breccia.		118	80 (250	L70 brecciated 0tz 2000 with area clay	+#=	180.1	0.95 4 280				$\dagger \dagger$				\top
136 136 137 126	QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm QIZ V Icm			328 328 338 338 338 338	Sil Arg If the grey clay 3cm 30 foult breccio 5cm 55 white clay 2cm 10 Otz v 1.5cm VIz v 1cm 270 Otz nel v 5cm VIz v 1cm	[H-]	184.2	-0.55 - 6 -								
				1551 1551 1551 1551 1551 1551 1551 155	32 dr Qtz v Sil Arg If bre	-(+ - -)	-						$ \ \ $			
86	2 65 dr-Qtz v L2cm 60 Cht Sil Ip II purplish clay 10cm 16 75 Qtz v 1cm				ss Qiz v Icm so Qiz v 2cm			200]]							
200 "	65 Sitch Ip # Orz v 2 cm 2 70 Orz v 15 cm with Orz v tet ret zone 3 cm 51 51 10 11			500 074 500 074	40 Q1z v 2cm 20 Q1z v 2cm 25 Q1z v 2cm			290								
	inne Argup III timo clay 5 cm Si lo t! 6 wk imo Arg chi tp-1! 55 Sil chi lo t!	31.65 - + + + + + + + + + + + + + + + + + + +		\$\$\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	25 412 v 2cm 45 912 v 10cm 35 912 v 2~4 cm											
6 5 0 mg	50 dr-Otz v 10cm 2 - 65 dr-Otz v 12cm 60 Ch! Sil fo Il parplish clay 10 cm 67 Sil of 1p v 10cm 65 Sil of 1p v 10cm 65 Sil of 1p v 10cm 70 Otz v 15cm with 0tz v 1et ret zone 3cm Sil of 1 mm Arg (p-1f inno clay 5cm 8 k k mo Arg (h-1f inno clay 5cm 8 k k mo Arg (h-1f) 51 ch 1 p-1f 52 Ch Sil of 1p 53 To 10cm 54 To 10cm 55 To 10cm 55 To 10cm 56 To 10cm 57 To 10cm 58 To 10cm 58 To 10cm 58 To 10cm 58 To 10cm 58 To 10cm 58 To 10cm 59 To 10cm 50 To 10cm			\$250 m												
100 555 2	Sil chi ip-if		2	00 22	∠7O Qızv3cm		196.7	300	1							

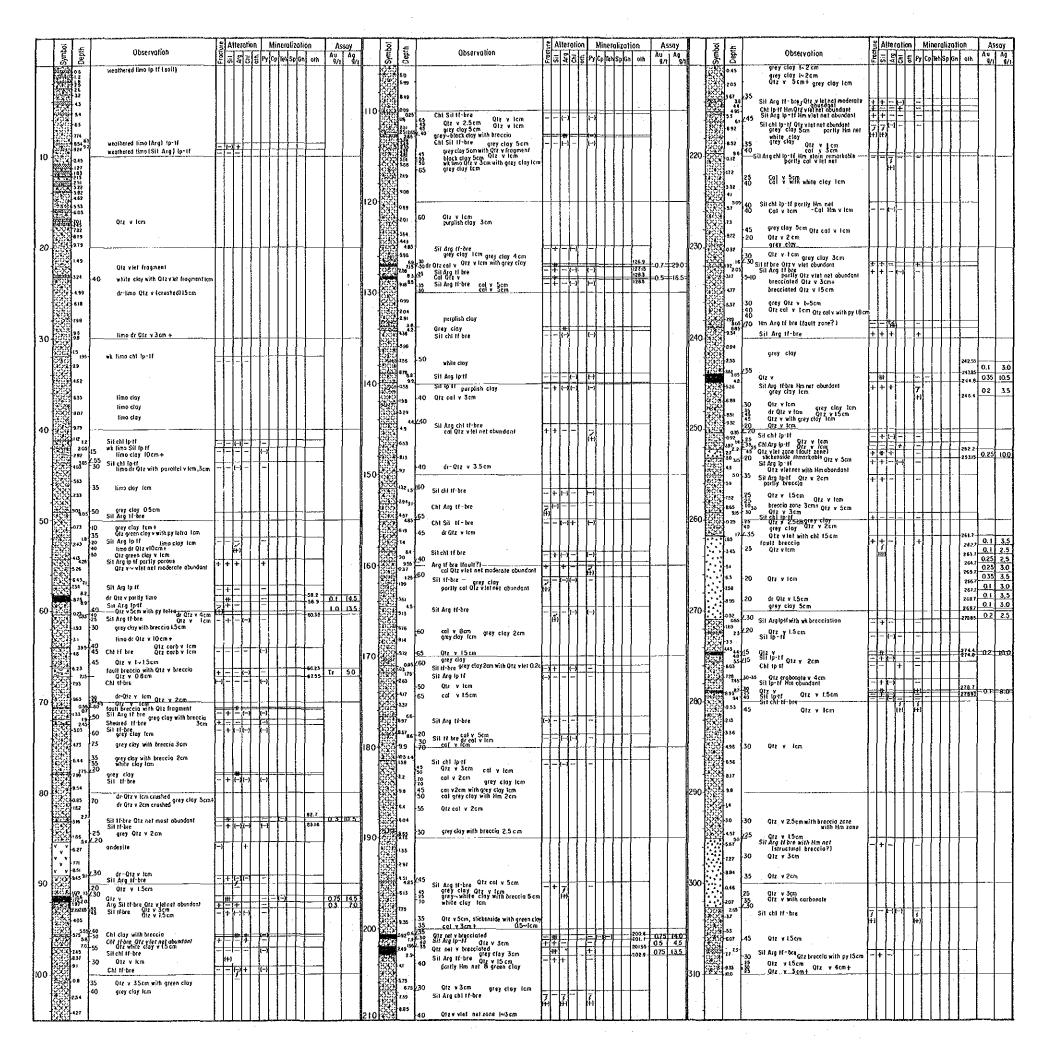


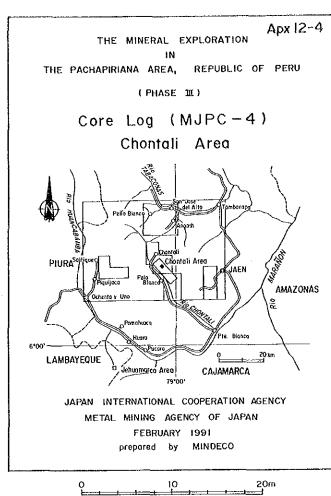
Location :

1,947.36 m Elevation :

Direction 1 Inclination -50° 50°







9'370.277 N ; 715.828E Location 1,947.26 m Elevation 50° Inclination - 70° Direction LEGEND Intensity of alteration and mineralization shale breccioted rock → weok SSSS tuff foult breccio + moderate lapilli tuff హెహ్లో sheared zone # strong tuff breccia quartz zone { } sporadically v v v andesite missing zone 15 intersected angle of vein L⁵⁰ intersected angle of bedding plane dr — deusy py -- pyrite Co -- chalcopyrite to-tf -- lanilli tuff Trb -- tetrohedrite tf-bre- tuff breccia Sil - silicification Gn - galena cc - chalcocite Ara — graitlization chi - chloritization Bn — bornite ep -- epidotization time - limonite or limonitized oth — others Hm - hemotite

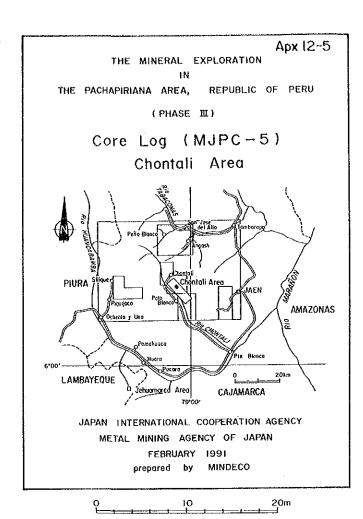
Hh - kornhlende

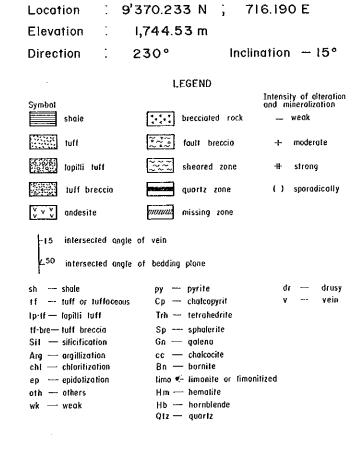
Qtz - quartz

cai — caicife

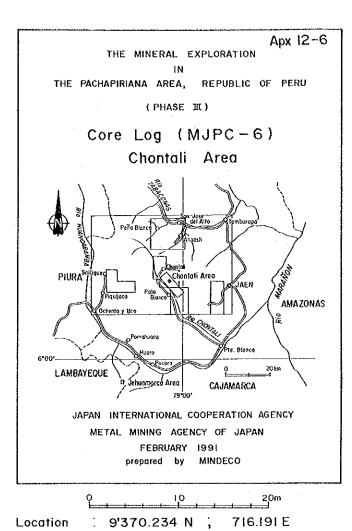
wk - weak

Symbol Depth	Observation	Alteration Mineralization Assay	Symbol B Depth	Observation 70 Q1z v 4cm	Alteration Mineralization Assay	Symbol	Observation	Atteration Mineralization Assay
275 343 245 345 345 345 345 345 345 345 345 345 3		+ +	S 108 335 115 24 24 24 25 25 24 44 44 44 44 44 44 44 44 44 44 44 44	Andesite View Com Sil Arg Ip-ti Qiz v tom Arg Sil 19-ti Qiz v tom BO Sil Arg Ip-ti Qiz v tom Sil Arg Ip-ti Qiz v tom Sil Arg Ip-ti Qiz v tom	ctia t (-1)			
53 62 63 69 80 80 77 93	Sil Arg Ip if 35 cloy with breccio Scm (fault) Sil Arg Ip if Qtz v-viet net abundant	-+	110-03-2-3-1	65 while clay with brecois 85 while clay with Otz v 2cm Sit Arg (p+tf		210-		
206	-60 Ole v 3cm -30 Ole v 1cm Sil Arg 1p-1f		20- 20- 25-265 418	Sit 1p-tf	- + (-)			
81 81 815	parily strong Arg 60 Olz v 4cm py impregnation 60 Olz v parily dr 35 Sit ip N Glz v let net bearing Glz v fragment moderate abundant	15.4	6500 zu 6500 zu	85 Qzz v 2cm with parallet v 5cm, icm 80 White class 5cm 80 Arg It Louis zone? original texture non- visible? 70 Sil Arg Ip-It gray clay with breecla	+	The state of the s		
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15 24 15 24 15 25 15 br>15 15 15 15 15 15 15 15 15 15 15 15	25 white clay with breccio (cm. 70 G1z v 2cm. 70 tout breccio 15cm. 70 to vit vit com 70 to vit vit com 70 to vit vit vit vit vit vit vit vit vit vit	## 3175 0.9 35.5 + +	215 2.85 2.85 2.25 3.27	Sil chl losf 35 toult breccio		-		
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50 ID ID ID ID ID ID ID ID ID ID ID ID ID	Ag phillous rome. Sil Arg Ip if Oliz vi Sir. 40511 Pit vi vi el mel moderate abundant LT5 Qiz v ± 30cm Qiz viet obundant 655 Qiz v ± 30cm Qiz viet obundant 551 Ip if clay 5cm	3億 025 9	150 03 03 03 03 05 05 05 05 05 05 05 05 05 05 05 05 05			250		
60 2 3 00	Sii Ag Ip-11 260 Sii Ag Ip-11 260 Sii Pari Otz v obundant fault breccio, Qiz v fragmant bearing		160 - 550 - 108			260-		
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37 10 10 10 10 10 10 10 10 10 10 10 10 10	70 Sil Arg Ip-If Olz v Scm grey clay 5-15 cm grey clay 10 cm clay with breecia 2 cm 65 Sil Arg chi tp-If Olz v 2 cm 75 Olz v Scm Olz v Scm Olz v Scm Sil Arg Ip-If Olz v 15 cm Sil Arg Ip-If Olz v 2 cm+ 85 white clay in the breecia 1 cm grey clay with breecia 1 cm grey clay with breecia 1 cm 575 grey clay with breecia 1 cm 575 grey clay with Olz fragment threecia 1 cm 876 white clay I Cm in Arg 2 cn 877 white clay I Cm in Arg 2 cn 878 on white clay I Cm in Arg 2 cn 879 white clay I Cm in Arg 2 cn 870 white Cm in Arg 2 cn 870 white Cm in Arg 2 cn 8							
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223 316 325 325 327	275 Sil Arg 19-11 Qtz v 15 cm Sil Arg 19-11 50 Sil Arg 19-11 Qtz v 2 cm +							
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	Symbol	Observation	Fracture	ilterati			eraliza en Spa			ssay	I	ioden jo			Observation	Fracture	Allero			neroli Teh S			As Au g/i	say Ag		Symbol	Depth		Observation		Alter			inerali: o Tet Sp			Asso Au	
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Apx. 13 Geological Drilling Log in the Jehuamaca Area

MJPJ-4

Location : Elevation : Direction : 9'326.776 N, 694.594 E

3,195.28 m

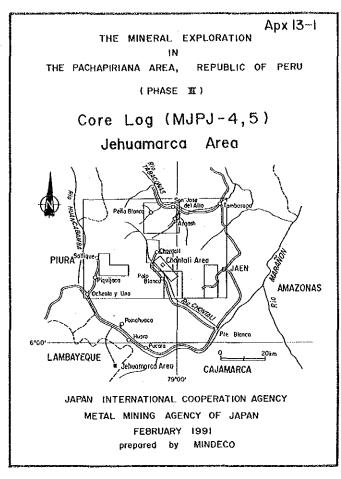
Inclination -90°

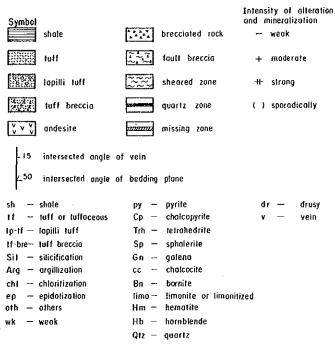
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MJPJ-5

Location : Elevation : Direction 9'326.663 N, 694.804 E 3,274.87 m — Inclination — 90°

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Symbol	Ę		Observation	Fracture		lite	ratio	חכ		Mi	ner	oliza	itio	1			Assa	<u> </u>	***************************************
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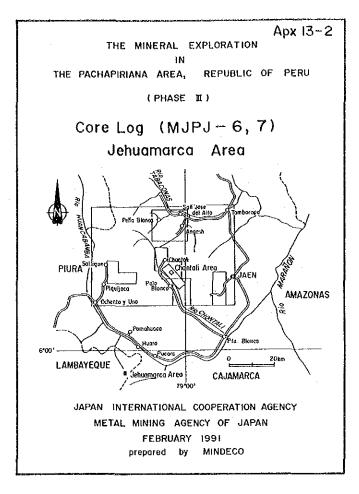
Location : 9'326.540 N, 695.080 E Elevation : 3,351.21 m

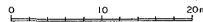
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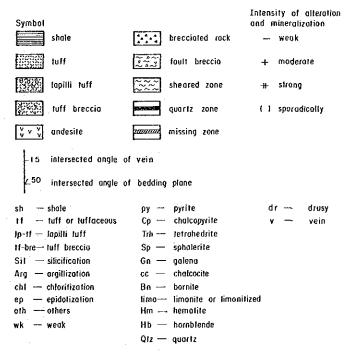
MJPJ-7

Location : 9'326.364 N, 694.987 E Elevation : 3,259.87 m Inclination -90° 3,259.87 m Inclination -90°

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9'326,159 N, 695.124 E 3,211.70 m Location : Elevation: Inclination -90° Direction : Alteration Mineralization Sil Acq Chi oth Py Cp Teh Sp Gn oth Au Ag Cu P6 Zn Observation at 75 whimo Si Arg Ip-11 ima nel Sil Arg If, elongaled lominas remarkable The intervention of the control of t wk limb weathered lp-tf, portly Efintercalation Sil II Sil Arg Ip+11

107363 0.75 235 1.2251 0.111 0.442
2015 0.25 74.5 0.0435 0.063 0.003
2015 0.70 11.5 0.2639 0.197 0.316

333 0.45 7.5 0.0743 0.388 0.546 333 1.75 19.0 02741 0.71 1.71 349 0.65 5.5 0.066 0.368 0.432 367 5.25 49.5 0.438 0.70 1.60 サ(プ) # (#)

978 025 80 0016 0.073 0143 978 005 6.0 0006 0.042 0116 99.0 005 6.0 0006 0.042 0116

Otz py trb 0.3 cm Otz py Sp 0.2 cm Otz py Sp Irh 0.5 cm gray clay form white clay by Icm

SitAro lp4f

white clay py 0,5cm wk Sil Arg chi if Sil ip If , partly dr-cavity bearing

| Sil Apr | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 |

Sil Arg Ip-If Sit Ip If, py stringer net abundant Olz py Sp. 0.2cm Sis Arg sp-tf, partly dr-covily bearing

Sil ip-If, parily dr Q12 py Sp 0.3cm

Sil Arg cht fp-tf

Sif fo-II

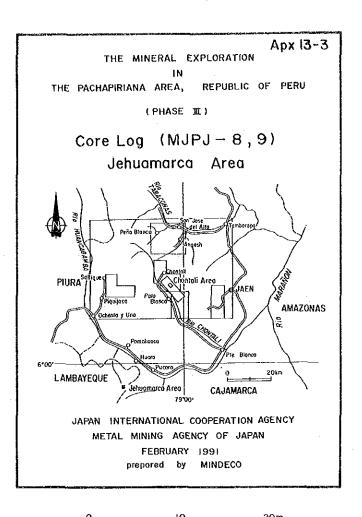
Sit Arg lp-If, portly dr-cavity bearing Sil lp-ti Qtz py Sp Q2cm dr-Qtz py Sp Q5-08cm

dr-Qlz py Sp L5 cm+

MJPJ-9Direction :

Location : 9'326.146 N, 695.406 E Elevation : 3,280.40 m - Inclination -90°

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LEGEND

Intensity of olteration

Symbol shale	brecciated rock	and mineralization
Sildle	preccioled tock	weak
1011	foull breccio	+ moderate
tapitli tuff	sheared zone	++ strong
tuff breccia	enos stroup	() sporadically
y v y andesite	missing zone	
-15 intersected angle		
sh — shole	py — pyrite	dr — drusy
tf — tuff or tuffaceous	Cp — chalcopyrite	v — vein
lp-tf — lopilli tuff	Trh tetrahedrite	
If-bre- luff breccio	Sp — sphalerite	
Sit — silicitication	Gn galena	
Arg — argillization	cc cholcocite	
chl — chloritization	Bn — bornile	
ep — epidatization	timo- limonite or timonitiz	ed
oth - others	Hm — hematite	
wk weak	Hb hornblende	
•	Qtz — quartz	

MJPJ - 10

Location : Elevation : Direction : 9'325.858 N, 695.132 E

3,178.62 m

Inclination -90°

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Symbol	Depth	OnzerAquou	Frocture	Sil	Arg	Cal	oth	Py	Ср	Teh	Sp	Gn	oth	Au 9/1	Ag 9/i	Cu %	Pb %	20
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MJPJ - II

Location : Elevation : 9'325.820 N, 695.420 E 3,239.81 m

Inclination - 90° Direction : Mineralization Observation Sil Arg Chi oth Py Cp Teh Sp Gn oth Au Ag Cu Pb Zn % % limo weathered lp-tf timo weathered tf-bre timo weathered lp-If Arg Sit tf-bre, partly limo 18 50 Sil Arg lott Arg Sil II-bre Arg Sil 11-bre Sit breccia beating 20 Sil Arg if-bre, portly dr Qiz bearing

20 Sil Arg if-bre, portly dr Qiz bearing

240 Sil Arg if-bre

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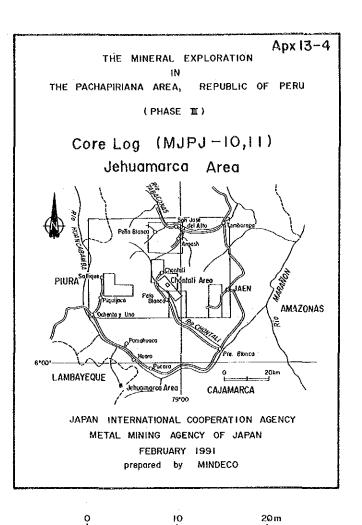
250 Sil Arg if-bre

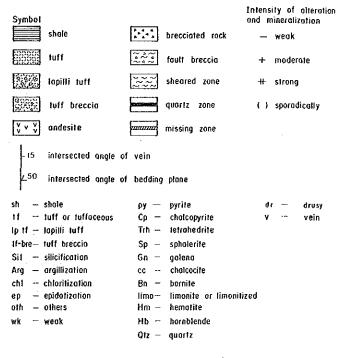
250 Sil Arg if-bre

250 Sil Arg if-bre

25 time Sit If, either boundary having clay with brecci Sil lp-11, partly limo limo dr Qtz py Sp 4cm dr Qtz py Sp 4.5cm limo dr Qtz 155cm limo dr Qtz 155cm limo dr Qtz 1cm timo Q1z 0.5cm fino Qtz Icm lime dr Qtz 1cm limo white clay Q12 05 cm Arg 17 Sil Arg 11 Sil II, parily dr Qiz cavity bearing white cloy with by Icm Sil tf, very fine by Sp stringer moderate abundar BO alternation of tf-sh and tf alternation of Sit If sh and IL partly &r Qtz bearin Sit lo-tf di Qtz py Sp [R] 3cm di Qtz py Sp [R] 15cm breccio with fenticular py zone Qtz v, partly dr 71.35~714 photo 0.05 295 0.169 0.032 0.150 0.30 33.0 0.1436 0.044 0.10 180 allernation of tp-1f and th Qtr py Sp G.3cm Sil Arg lp-11, partly tf-bre intercalated dr Q1z py Sp Icm Sil Ip-II grey clay 3cm

Qiz py Sp 0.2cm





MJPJ - 12

Location : 9'326.608 N, 695.172 E Elevation : 3,402.11m Direction : Inclination - 90°

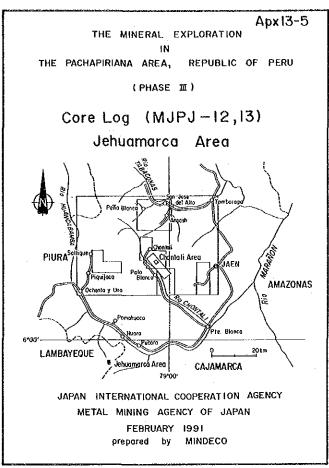
Inclination -90°

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MJPJ -- 13

Location : 9'326.196 N, Elevation : 3,167.56 m 694.687 E

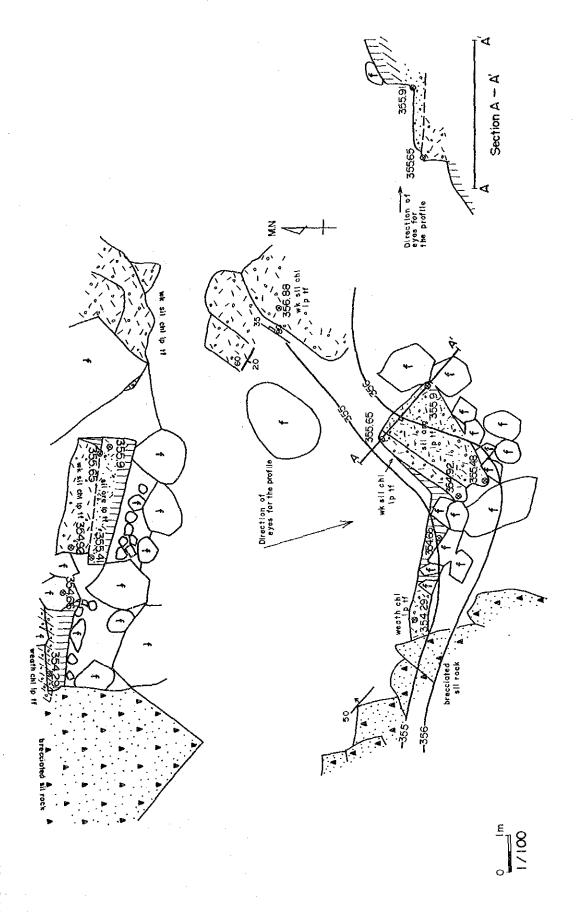
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20-	300 201		/30 Ar	rg ff, partly limb	e (forlt?)			蓝	Н					1		c£0.0	0.3	130.0	0.328	0.063	0.0393	
-		12 10 255 2033 263 125 125	755 Si 735 Si 755 Si	il if il if tre edded if, 22.85~	a (fault?) 22.95m Sil breccia Qtz bearing	1	1	=			<u>=</u>				-	££1-						
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	8	3.0	30	dr dr	Otroy Sp tem							١			-	52.9	0.2 0.1		0.0043 0.0054			
_	※	43 58	36 30	d:	Otz Sp.py nel 5cm z chi Sp.py 1cm									1	1	54.9	0.65 0.75		0.0044 0.0052			
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50-		-9.55	25		Qiz Sp py I~i.3cm		L				_				_							
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-		ts	25 15		odochrosite 0.2cm odochrosite 0.1cm	. (4				-	4			1								
-		-3.05 -4,65	-20		odochrosite O.lem																	
-		€#5	35 70		Qfz 0.2~0.8cm sy clay 3cm ite clay py 0.5cm																	
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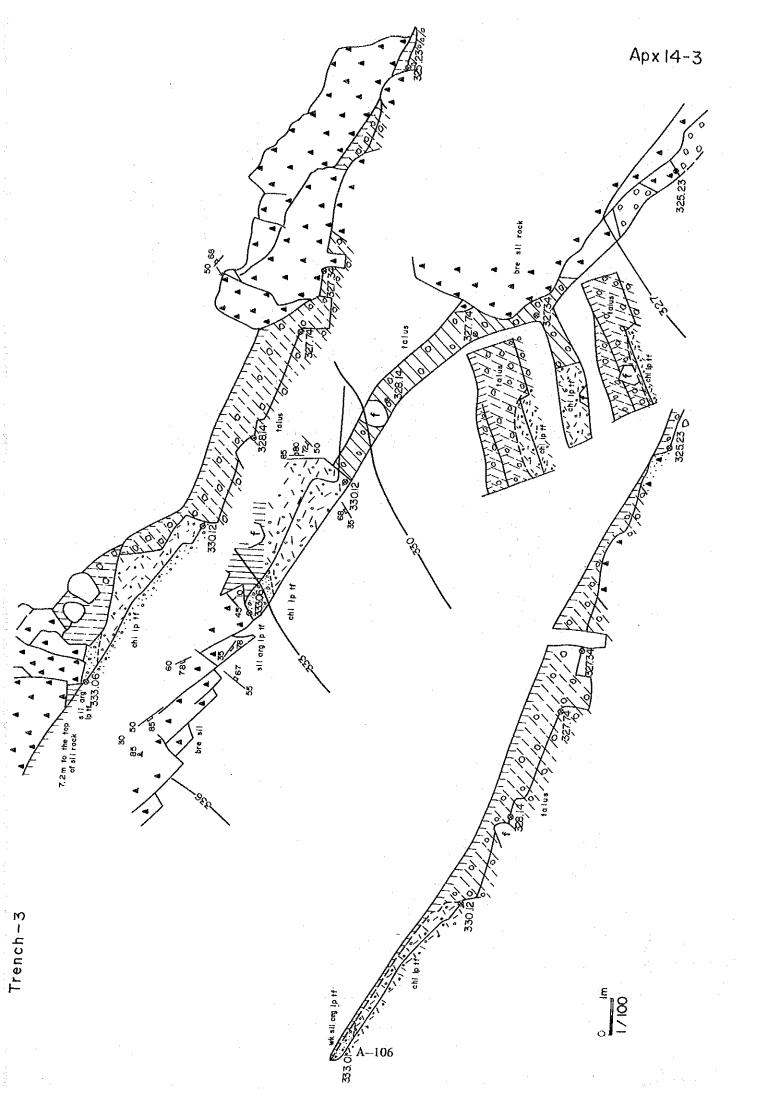
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	shale	;·;·;	brecciated rock	-	weak	
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Arg —	argillization	cc —	chalcocite			
:hl	chloritization	8n —	bornite			
	epidotization	limo —	limonite or limoniti	zed		
olh —	others	Hm	hemolite			
yk	weak	НЬ	hornblende			
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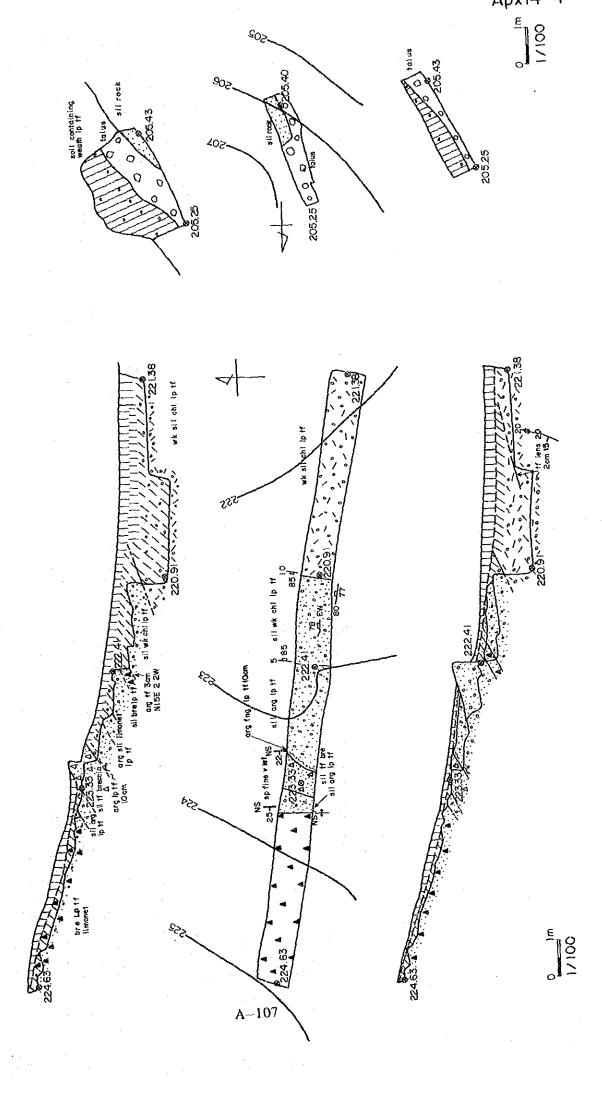
Apx. 14 Geological Sketches of Trenches in the Jehuamaca Area

Trench-1



Trench - 2





Trench-4

Apx. 15 Miscellaneous Data for the Drilling Survey

PROGRESS RECORD OF DIAMOND DRILLING MJPC-1, 2 Apx . 15-1(1) Drilling HOUR Drilling Process Lithology Depth Drill (Hr./m) (m) Log altered lp-tf Insertion HW casing pipes by reaming н₩ Quartz v. altered lp-tf Reparation pump . Hx 1 NW 1 Reparation Insertion NW casing pipes drilling machine └ Preparation fault bre Quartz v - Levelling Transportation Compensation of holiday (1/Nov.) Quartz v altered lp-tf -Removal casing pipes and dismount drilly rig (MJPC-I) -Preparation altered lp-tf -Insertion HW casing pipes by reaming į HW -Insertion NW casing pipes HX Quartz v altered lp-tf fault bre altered lp-tf -150 Quartz v abundant zone altered tf-bre Transportation for base campaltered lp-tf Quartz v NX (MJPC-2) Removal casing pipes A--111

PROGRESS RECORD OF DIAMOND DRILLING MJPC-3, 4Apx.15-1(2)Drilling HOUR Drilling **Process** Depth Drill Lithology (Hr./m) 11/ 30.60.90120 method 10/ 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | (m) Log altered lp-tf Insertion HW casing pipes by reaming HW Transpotation Preparation Quartz v - 50 Quartz v 15 andesite Insertion NW casing pipes oltered lp-tf HX] -100 Quartz v altered tf-bre Reparation drilling machine Removal casing pipes and dismount drilling rig fault bre Quartz v
altered lptf
Quartz vQuartz v(MJPC-3) NX 219.95. Preparation __ Compensation of holiday (I / Nov.). Insertion HW casing pipes by reaming altered lp-tf HW altered tf-bre Quartz v altered tf-bre Reparation pump 354 andesite Quartz v -Insertion NW casing pipes , <u>l</u>ex <u>1</u> , altered tf-bre -150 altered lp-tf altered tf-bre Quartz v altered Ip-tf altered tf-bre Quartz v fault bre 270.85 altered tf-bre fault bre NX (MJPC-4)A-113

PROGRESS RECORD OF DIAMOND DRILLING MJPC-5, 6Apx.15-1(3)Drilling Process HOUR Drilling Lithology Depth Drill. (Hr/m)(m) Log Quartz v Insertion HW casing pipes by reaming altered lp-tf нW Quartz v altered lp-tf -Preparation - 50 └─Transportation and Insertion NW casing pipes levelling drilling site Quartz v, abundant Base camp preparation ŇŴ 80.45 altered lp-tf Waiting for negotiation of servitude 100.35 102.25 andesite -100 altered lp-tf Construction and reparation of road Quartz v Mobilization altered lp-tf -150 Removal casing pipes dismount drilling rig NX (MJPC-5) - Preparation Insertion HW casing pipes by reaming altered lp-tf HW Quartz v altered lp-tf -50 fault bre Quartz v altered lp-tf -100 Quartz v altered lp-tf andesite -150 149.2 HX _ Quartz v. altered lp-tf Insertion NW casing pipesaltered tf-bre -200 fault bre with Quartz v altered if bre NX -230.85 (MJPC-6)Removal casing pipes and dismount drillig rig-A-115

MJPJ-7, 4 PROGRESS RECORD OF DIAMOND DRILLING Apx.15-1(4)Drilling
HOUR
(Hr./m)
method Process Lithology Depth Drill. (m) Log HW altered lp-tf Mobilization Insertion HW casing pipes by reaming HX NW Transportation by hand and preparation ∠Transportation by helicopter Insertion NW casing pipes ∠Waiting of helicopter for transportation - 50 Quartz v. Removal casing pipes and dismount drilling rig (MJPJ-7) Transportation and preparation altered lp-tf Insertion NW casing pipes NW -50 Quartz v -Removal casing pipes and dismount drilling rig (MJPJ-4)

A-117

PROGRESS RECORD OF DIAMOND DRILLING MJPJ-9, II Apx.15-1(6)Drilling Process HOUR Drilling Lithology Depth Drill. (m) Log altered lp-tf - Transportation and preparation tf-sh and ip-tf alt altered lp-tf Insertion NW casing pipes НΧ NW tf-sh altered tf tf-sh altered tf and Ip-tf Removal casing pipes and dismount drilling rig tf-sh, tf and ip-tf alt 96.05altered lp-tf NX (MJPJ-9)-Transportation and preparation altered tf-bre -Insertion NW casing pipes HX] altered lp-tf Reparation -50 tf-sh and tf alt Insertion NW casing pipes altered lp-tf tf-sh NX Quartz v altered ip-tf Removal casing pipes and dismount drilling rig BX -100 (MJPJ-11) A--121

PROGRESS RECORD OF DIAMOND DRILLING MJPJ-12, 13 Apx.15-1(8)Depth Drill. Lithology Log (m) Silicifical bre Insertion HW casing pipes by reaming HX altered lp-tf Insertion NW casing pipes rhyolite altered lp-tf Removal casing pipes and dismount of drilling rig NX 100.15 (MJPJ-12) - Transportation and preparation Silicified bre altered if and if-bre - Insertion NW casing pipes HX NW Silicified bre altered lp-tf altered lp-tf -Removal casing pipes and dismount drilling rig NX "(MJPJ-13) A--125

Apx. 15 Miscellaneous Data for the Drilling survey

15-2-(1) List of the Used Equipment for Drilling (MJPC-1, 2)

Item	Model	Quantity	Capacity, Type and Specification
Drilling Machine	L-38	1	Capacity NQ: 575m BQ: 725m Inner Diameter of Spindle: 78mm Wieght (except engine)
Engine for Drill	GMG	1	Diesel Engine 2,200rpm / 102ps
Pump	BEAM	2	Piston φ68mm Capacity 18~137 liter/min. Pressure 46kg/min.
Engine for Pump	воѕсн	2	Diesel Engine 2,200rpm / 25ps
Generator	BRIGG-	1	5kvA 220v
	STRATON	1	7kvA 220v
Engine for Generator		2	Diesel Engine 1,800rpm / 8.5ps
Mud Mixer	SRENKA	1	Volume 100 liter 800~1,000rpm/min.
Derrick	LONGYEAR	1	
Rod Holder	LONGYEAR	1	
	NC-WL	60	3.00 m/pc
Drill Rods	NX-WL	120	3.00 m/pc
	BX-WL	120	3.00 m/pc
	HW	26	1.50 m/pc
Casing Pipes	NW .	50	3.00 m/pc
	B₩	70	3.00 m/pc
	NC-WL	2	1.50 m
Core Tube Assembly	NX-WL	2	1.50 m
	BX-WL	2	1.50 m
, , ,	NC-WL	2	1.50 m
Inner Tube Assembly	NX-WL	2	1.50 m
	BX-WL	2	1.50 m

Apx. 15-2-(2) List of the Used Equipment for Drilling

(MJPC-3~6)

Item	Model	Quantity	Capacity, Type and Specification
Drilling Machine	L-44	1	Capacity NQ: 790m BQ: 1,060m Inner Diameter of Spindle: 98mm
Engine for Drill	GMG	1	Diesel Engine 2,200rpm / 60~102ps
Pump	BEAM	2	Piston ϕ 68mm Capacity 18~137 liter/min. Pressure 46kg/min.
Engine for Pump	возсн	2	Diesel Engine 2,200rpm / 35ps
Generator	BRIGG- STRATON	2	5kvA 220v
Mud Mixer	SRENKA	1	Volume 100 liter 800~1,000rpm/min.
Derrick	LONGYEAR	1	
Rod Holder	LONGYEAR	11	
· Datil Dada	NC-WL	60	3.00 m/pc
Drill Rods	NX-WL	130	3.00 m/pc
	BX-WL	130	3.00 m/pc
Out the Bine	HW	20	1.50 m/pc
Casing Pipes	NW	60	3.00 m/pc
	BW	70	3.00 m/pc
0 7 1 1 11	NC-WL	2	1.50 m
Core Tube Assembly	NX-WI,	2	1.50 m
	BX-WL	2	1.50 m
Tuna Tuba Assaultas	NC-WL	3	1. 50 m
Inner Tube Assembly	NX-WL	3	1.50 m
	BX-WL	3	1. 50 т

Apx. 15-2-(3) List of the Used Equipment for Drilling

(MJPJ-4~13)

Item	Model	Quantity	Capacity, Type and Specification
Drilling Machine	L-38	1	Capacity NQ: 575m BQ: 725m Inner Diameter of Spindle: 78mm Wieght (except engine)
Engine for Drill	GMG	1	Diesel Engine 2,200rpm / 102ps
Pump	BEAM	2	Piston φ68mm Capacity 18~137 liter/min. Pressure 46kg/min.
Engine for Pump	восн	2	Diesel Engine 2,200rpm / 33ps
Generator	BRIGG-	2	5kvA 220v
	STRATON	1	7kvA 220v
Engine for Generator		2	Diesel Engine 1,800rpm / 8.5ps
Mud Mixer	SRENKA	1	Volume 100 liter 800~1,000rpm/min.
Derrick	LONGYEAR	1	
Rod Holder	LONGYEAR	1	
	NC-WL	20	3.00 m/pc
Drill Rods	NX-WL	50	3.00 m/pc
	BX-WL	50	3.00 m/pc
	H₩	15	1.50 m/pc
Casing Pipes	NW	20	3.00 m/pc
	B₩	20	3.00 m/pc
·	NC-WL	2	1.50 m
Core Tube Assembly	NX-WL	2	1.50 m
	BX-WL	2	1.50 m
	NC-WL	2	1.50 m
Inner Tube Assembly	NX-WL	2	1.50 m
	BX-WL	2	1.50 m

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Item	Specification	Vait				ant							,		anti		r	· · · · · · · · · · · · · · · · · · ·		
			MJPC-1	MJPC-2	M1 b C - 3	MJPC-4	M15C-2	W16C-8	THE PERSON NAMED IN COLUMN 2 I						والمند فكالإستان بالمنازية توبي ويباوي		MJP1-11	THE CONTRACTOR OF SHEET	THE RESIDENCE AND ADDRESS OF THE PERSON.	
Light Oil		liter	2, 590	2, 280	2, 555	3, 230	1.660	1, 960	14, 275	560	780	640	600	520	470	650	550	640	530	5, 940
Gasorin Oil		"	1,665	1.870	1, 980	2, 160	1, 200	1, 270	10, 145	510	730	420	680	400	290	595	380	540	405	4, 950
Hydraulic Oil		"	80		40	_	100		220			50	60					-	20	130
Drilling Oil		" .	150	80	220	105	110	140	805	90	60	80	40	60	40	120	70	100	70	830
Grease		kg	30	46	32	100	25	30	263	13	11	10		10	15	25	10	20	15	129
Mobil Oil		liter.	40	30	30	35	30	2.5	190	12	15	13	10		15	20	15	15	15	130
Bentonite	40kg/bag	bag	46	80	71	109	5 4	66	426	35	33	30	8	38	28	35	33	29	29	298
СИС		kg	90	131	146	157	99	137	760	26	25	56	10	70	80	69	50	67	5.5	508
Cemeat	47kg/bag	bag	7	_	8	_	8		23	5	8	7	6	7	5	1	8	7	6	66
Single Core Tube	116mm × 0.5m	Set	1	_	1.		1		3	-			<u> </u>		-				-	
Wireline Core Barrel	NC × 1. 7m	"	1	1	1		1		4				1		1			1		3
"	$NX \times 1$, $7m$	"	1	1	i		1		4			_	1		1	1	-	1		4
"	BX × 1. 7 m	"			_]		_				_		_				1	-	-	1
Inner Tube Assembly	NC × 1.7m	"	1	1	1	1	1		5			1	1				_			2
"	NX × 1.7m	"	1	1	1		1		4			1	1				1			3
"	BX × 1.7 m	"			-	_	_										1			$\frac{1}{1}$
Outer Tube	NC × 1.5m	11	1	1	1	1	1		5		-	1	1					1		3
"	NX × 1.5m	//	1	1	1	1	1	_	5				1		1			1		3
"	8 X × 1.5 m	"																		
Inner Tube	NC × 1.5m	"	1	1	2	1	_	1	. 6		1		1			1	1	1		5
"	NX × 1.5m	"	1	1	1	1	 .	1	5		1		1	1	1			2		6
"	8 X × 1. 5 m	"			_															-
Casing Diamond Shoe	HW	PC			-				-	1	1	1	1	2	1	1	<u> </u>			9
"	NY	"	1	1	1	1	1	1	6						_		1	<u> </u>	1	3
Wire Rope	6 m m $ imes$ 5 0 0 m	lleı	1				1	_	2				1		_			-		1
"	12mm× 90m	"	-				1		1				1							
"	18mm×100m	"				_	1	_	1			· -	1							1
Manila Rope		PC	-		-	_	1		1		<u> </u>		1		_			_		1
Pump Packing		"	6		6	· · · · · · · · · · · · · · · · · · ·	-	6	18		8			6			·	66		18
Piston Rod		"		3	2				5			2	-	<u> </u>			-		-	3
Guide Pipe	NC	"	1			1		1	3		1	_					1			2
"	NX	"		1		<u> </u>	·	1	3	· —	1			1			<u> </u>			3
Valve Steel Ball	38. l ø	"		6	6			<u> </u>	12		_				6		_	_		<u> </u>
Guide Coupling	N C	11		1	1.	1	<u> </u>	1	4		1	-		_		<u> </u>	1			1
"	N X	"		1		1		<u> </u>	2					1	1	1				3
Suction Hose		"	- 1				1	<u> </u>	2			-	<u> </u>				-	-		1
Water Swivel Packing		"		4	4	4		4	16	4	-	4			4			3		15
Water Swivel Spadle		"	_	1	1				2	-		· -			<u> </u>					1
V Belt		"	-	2	3			<u></u>	5	2					1	3		1	<u> </u>	12
Core Lifter	NC	"	: 4	3	3	3	4	5	22	<u>l</u>	2	<u>l</u>	2	. 1	<u>l</u>	1	1	1	1 2	23
″	NX	"	2	4	4	6	4	3	23	. 2	2	3	3	2	2	3	Z	1	- 4	4.5
Core Lifter Case	NC	"	2	. 3	2	3	1	2	13		<u> </u>		2	<u> </u>	<u> </u>	1		<u>l</u>		11
"	NX	"	2	3	2	3	1	1	12	1	2.	2	2	1	-	1	1	1 7		63
Core Box	N C	"	18	26	30	31	23	31	159	6	5	5	9	5	7	6	6	1 €	10	167
"	NX	"	17	34	27	4 6	20	30	174	17	18	17	15	19	17	19	12	15	18	
"	8 X	"	- 1	- 1		-		-		_						-	5			5

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