

Tab. II-1-9 TABLA DEL RESULTADO DE LA PERFORACION(MJMI-1)

M J M I - 1

CLASS	PERIODO DE TRABAJO		TOTAL DE DIAS TRABAJADOS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
PREPARACION	1998.8.20 ~	1998.8.21	2	1	1	14
PERFORACION	1998.8.21 ~	1998.9.7	18	17	1	96
TRASLADO	1998.9.8 ~	1998.9.11	3	3	0	15
TOTAL	1998.8.20 ~	1998.9.11	23	21	2	125
RECUPERACION DEL TESTIGO POR CADA 100m						
PROFUNDIDAD PROYECTADA	300m	GRAVAS	9.3m	RECUPERACION DEL INTERVALO	TOTAL	
LANGITUD PROLONGADA		LONG DE TESTIGO	295.8m	100.3m	98.9%	98.9%
PROFUNDIDAD SUPERVISADA	300.0m	RECOBRAR	98.60%	90.0m	97.0%	98.0%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS	105.5m	99.6%	98.6%
PERFORACION	203 h	61.5%	53.4%			
OTRO EXCEPTO PERFORACION	79 h	23.9%	20.8%			
PARA ACCIDENTES	43 h	13.0%	11.3%			
DEPENDIENTES	5 h	1.5%	1.3%			
SUB-TOTAL	330h	100%	86.8%			
PREPARACION	25 h		6.6%			
DESARME Y RETIRO	25 h		6.6%			
TOTAL	380h		100%			
PROFUNDIDAD DE ADEME POR CADA DIAMETRO			RECUPERACION DE TUBOS (REVESTIMIENTO)			
		B/A x 100 (%)	A : LARGO PERFORADO (%)			
			B : LARGO REVESTIDO (%)			
DIAMETRO(mm)	P(m)					
76.2	32.0	10.6	100			
ARTICULO						
En el tiempo de la obra de la base se efectuó la construcción secundaria del soporte de la base, barrera y hoyo del agua etc.						

Tab.II-1-10 TABLA DEL RESULTADO DE LA PERFORACION(MIMI-2)

M J M I -2

CLASS	PERIODO DE TRABAJO		TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
PREPARACION	1998.8.20 ~	1998.8.21	1	1	0	20
PERFORACION	1998.8.21 ~	1998.9.10	50	42	8	253
TRASLADO	1998.10.10 ~	1998.10.17	8	3.5	4.5	27
TOTAL	1998.8.20 ~	1998.10.17	59	46.5	12.5	310
RECUPERACION DEL TESTIGO POR CADA 100m						
PROFUNDIDAD PROYECTADA	300m	GRAVAS	3.5m	PROFUNDIDAD(m)	RECUPERACION DEL INTERVALO	TOTAL
LANGITUD PROLONGADA	0	LONG DE TESTIGO	297.8m	0.0~99.4	98.0m	98.6%
PROFUNDIDAD SUPERVISADA	300.0m	RECOBRAR	99.3%	99.4~200.4	100.9m	99.3%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS	200.4~300.0	98.9m	99.3%
PERFORACION	350 h	47.2%	45.7%	EFICIENCIA		
OTRO EXCEPTO PERFORACION	176 h	23.8%	23.0%	TTL AVANCE/TOTAL PERIOD		
PARA ACCIDENTES	125 h	16.9%	16.3%	TTL AVANCE/DIAS TRABAJADOS		
DEPENDIENTES	90h	12.2%	11.8%	TTL AVANCE/PERIOD PERFORADO		
SUB-TOTAL	741h	100%	96.7%	TTL ADANCE/ SOLO POR PERFORACION REAL		
PREPARACION	5 h		0.7%	TTL ADANCE/TOTAL MITA		
DESARME Y RETIRO	20 h		2.6%	MITAS TTL DE PERFORACION/TTL ADANCE		
TOTAL	766h		100%			
PROFUNDIDAD DE ADEME POR CADA DIAMETRO	B/Ax100 (%)	A : LARGO PERFORADO (REVESTIMIENTO)	RECUPERACION DE TUBOS (%)	ARTICULO		
		B : LARGO REVESTIDO (%)				
DIAMETRO(mm)	P(m)					
76.2	92.0	30.70%	100%	En el tiempo de la obra de la base se efectuó la construcción secundaria del soporte de la base, barrera y hoyo del agua etc.		

Tab.II-2-1 TABLA DEL RESULTADO DE LA PERFORACION(MJMI-3)

M J M I - 3

CLASS	PERIODO DE TRABAJO		TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
	1998.9.18 ~	1998.9.19				
PREPARACION	1998.9.18 ~	1998.9.19	2	1.5	0	10
PERFORACION	1998.9.19 ~	1998.10.20	37	33.5	5	215
TRASLADO	1998.10.20 ~	1998.10.22	3	1.5	0.5	15
TOTAL	1998.9.18 ~	1998.10.17	42	36.5	5.5	240
RECUPERACION DEL TESTIGO POR CADA 100m						
PROFUNDIDAD PROYECTADA	300m	GRAVAS	3.0m	RECUPERACION DEL INTERVALO	TOTAL	
LANGITUD PROLONGADA	0	LONG DE TESTIGO	295.9m	92.7m	96.1%	96.1%
PROFUNDIDAD SUPERVISADA	300.0m	RECOBRAR	98.60%	100.0m	99.8%	98.0%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS	103.2m	99.9%	98.6%
PERFORACION	258h	49.0%	44.3%			
OTRO EXCEPTO PERFORACION	77h	14.6%	13.2%			
PARA ACCIDENTES	130h	24.7%	22.3%			
DEPENDIENTES	62h	11.8%	10.7%			
SUB-TOTAL	527h	100%	90.6%			
PREPARACION	30h		5.2%			
DESARME Y RETIRO	25h		4.3%			
TOTAL	582h		100%			
RECUPERACION DE TUBOS						
PROFUNDIDAD DE ADEME POR CADA DIAMETRO	B/A x 100 (%)	A : LARGO PERFORADO (REVESTIMIENTO)	RECUPERACION DE TUBOS (%)			
DIAMETRO(mm)	P(m)	B : LARGO REVESTIDO (%)				
101.6	24.0		100%			
76.2	55.1		100%			
ARTICULO						
En el tiempo de la obra de la base se efectuó la construcción secundaria del soporte de la base, barrera y hoyo del agua etc.						

Tab.II-2-2 TABLA DEL RESULTADO DE LA PERFORACION(MIMI-4)

M J M I -4

CLASS	PERIODO DE TRABAJO		TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
PREPARACION	1998. 9. 28 ~	1998. 10. 2	5	2	3	24
PERFORACION	1998. 10. 3 ~	1998. 12. 3	63	41	22	260
TRASLADO	1998. 12. 3 ~	1998. 12. 5	1	1	8	12
TOTAL	1998. 9. 28 ~	1998. 12. 5	69	44	25	296
RECUPERACION DEL TESTIGO POR CADA 100m						
PROFUNDIDAD DE PERFORACION						
PROFUNDIDAD PROYECTADA	300m	GRAVAS	2. 6m	RECUPERACION DEL INTERVALO		TOTAL
LANGITUD PROLONGADA	0	LONG. DE TESTIGO	296. 7m	96. 8m	98. 5%	98. 5%
PROFUNDIDAD SUPERVISADA	300. 0m	RECOBRAR	98. 90%	96. 1m	98. 1%	98. 3%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS	103. 8m	100. 0%	98. 9%
PERFORACION	282 h	37. 4%	34. 8%			
OTRO EXCEPTO PERFORACION	220 h	29. 2%	27. 2%	EFICIENCIA		
PARA ACCIDENTES	212 h	28. 1%	26. 2%	TTL AVANCE / TOTAL PERIOD		
DEPENDIENTES	40h	5. 3%	4. 9%	TTL AVANCE / DIAS TRABAJADOS		
SUB-TOTAL	754h	100%	93. 1%	TTL AVANCE / PERIOD PERFORADO		
PREPARACION	40 h		4. 9%	TTL ADANCE / SOLO POR PERFORACION REAL		
DESARME Y RETIRO	16 h		2. 0%	TTL ADANCE / TOTAL MITA		
TOTAL	810h		100%	MITAS TTL DE PERFORACION / TTL ADANCE		
記事						
PROFUNDIDAD DE ADEME POR CADA DIAMETRO	B/A×100 (%)		RECUPERACION DE TUBOS (REVESTIMIENTO) (%)			
DIAMETRO(mm)	P(m)	A : LARGO PERFORADO (%)	B : LARGO REVESTIDO (%)			
101. 6	12. 6	4	100			
76. 2	97. 0	32	100			
60. 3	196. 3	65	100			

Tab.II-2-3 TABLA DEL RESULTADO DE LA PERFORACION(MJMI-5)

M J M I - 5

CLASS	PERIODO DE TRABAJO		TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
	1998.10.13 ~	1998.10.13 ~				
PREPARACION	1998.10.13	1998.10.13	1	1	0	15
PERFORACION	1998.10.13	1998.10.27	14	13	2	81
TRASLADO	1998.10.28	1998.10.29	2	1	0	15
TOTAL	1998.10.13	1998.10.29	17	15	2	111
RECUPERACION DEL TESTIGO POR CADA 100m						
PROFUNDIDAD PROYECTADA	300m	GRAVAS	2.0m	PROFUNDIDAD(m)	RECUPERACION DEL INTERVALO	TOTAL
LANGITUD PROLONGADA	0	LONG.DE TESTIGO	292.9m	0.0~99.8	92.6m	92.8%
PROFUNDIDAD SUPERVISADA	300.0m	RECOBRAR	97.60%	99.8~207.8	108.0m	96.5%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS	207.8~300.0	92.3m	99.9%
PERFORACION	235 h	95.9%	81.0%	EFICIENCIA		
OTRO EXCEPTO PERFORACION	10 h	4.1%	3.4%	ITL AVANCE/TOTAL PERIOD		
PARA ACCIDENTES	0 h	0.0%	0.0%	ITL AVANCE/DIAS TRABAJADOS		
DEPENDIENTES	0h	0.0%	0.0%	ITL AVANCE/PERIOD PERFORADO		
SUB-TOTAL	245h	100%	84.5%	ITL ADANCE/SOLO POR PERFORACION REAL		
PREPARACION	30 h		10.3%	ITL ADANCE/TOTAL MITA		
DESARME Y RETIRO	15 h		5.2%	MITAS ITL DE PERFORACION/ITL ADANCE		
TOTAL	290h		100%	mitas/mts		
PROFUNDIDAD DE ADEME POR CADA DIAMETRO	B/A×100 (%)	A : LARGO PERFORADO (REVESTIMIENTO)	RECUPERACION DE TUBOS (%)	ARTICULO		
		B : LARGO REVESTIDO (%)				
DIAMETRO(mm)	P(m)					
101.6	16.0	5.3	100			

En el tiempo de la obra de la base se efectuó la construcción secundaria del soporte de la base, barrera y hoyo del agua etc.

Tab.II-2-4 TABLA DEL RESULTADO DE LA PERFORACION(MJMI-6)

M J M I - 6

CLASS	PERIODO DE TRABAJO		TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
	1998.10.24 ~	1998.10.25 ~				
PREPARACION	1998.10.24 ~	1998.10.25	2	1	0	12
PERFORACION	1998.10.25 ~	1998.11.19	25	23	2	129
TRASLADO	1998.11.19 ~	1998.11.19	1	1	0	12
TOTAL	1998.10.24 ~	1998.11.19	28	25	2	153
RECUPERACION DEL TESTIGO POR CADA 100m						
PROFUNDIDAD DE PERFORACION						
PROFUNDIDAD PROYECTADA	300m	GRAVAS	2.3m	RECUPERACION DELINTERVALO		TOTAL
LANGITUD PROLONGADA	0	LONG DE TESTIGO	299.7m	100.4m	99.7%	99.7%
PROFUNDIDAD SUPERVISADA	300.0m	RECOBRAR	99.90%	106.6m	100.0%	99.9%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS	92.7m	100.0%	99.9%
PERFORACION	390h	95.9%	81.0%			
OTRO EXCEPTO PERFORACION	55h	4.1%	3.4%	EFICIENCIA		
PARA ACCIDENTES	30h	0.0%	0.0%	TTL AVANCE/TOTAL PERIOD	10.71	mts/dia
DEPENDIENTES	0h	0.0%	0.0%	TTL AVANCE/DIAS TRABAJADOS	12	mts/dia
SUB-TOTAL	475h	100%	84.5%	TTL AVANCE/PERIOD PERFORADO	12	mts/dia
PREPARACION	10h		10.3%	TTL ADANCE/ SOLO POR PERFORACION REAL	13.04	mts/dia
DESARME Y RETIRO	5h		5.2%	TTL ADANCE/TOTAL MITA	1.96	mts/mita
TOTAL	290h		100%	MITAS TTL DE PERFORACION/TTL ADANCE	0.43	mitas/mts
PROFUNDIDAD DE ADEME POR CADA DIAMETRO	ARTICULO					
DIAMETRO(mm)	P(m)	RECUPERACION DE TUBOS (REVESTIMIENTO) (%)				
101.6	7.2	B/A×100 (%)	A : LARGO PERFORADO (REVESTIMIENTO) (%)	En el tiempo de la obra de la base se efectuó la construcción secundaria del soporte de la base, barrera y hoyo del agua etc.		
75.9	214.9	2.4	B : LARGO REVESTIDO (%)	Hasta la terminación del barren final de esta área se dejó como reserva la máquina sin hacer el desmontaje de la máquina de la perforación y el retiro		
		71.6				

Tab. II-2-5 TABLA DEL RESULTADO DE LA PERFORACION(MJMI-7)

M J M I - 7

CLASS	PERIODO DE TRABAJO				TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
	1998.10.24	~	1998.10.26	1998.11.20				
PREPARACION	1998.10.24	~	1998.10.26	1998.11.20	2	2	0	44
PERFORACION	1998.10.26	~	1998.10.26	1998.11.20	25.5	23	1.5	79
TRASLADO	1998.11.20	~	1998.11.20	1998.11.21	1.5	1	0	18
TOTAL	1998.10.24	~	1998.10.24	1998.11.21	29	25	1.5	141
RECUPERACION DEL TESTIGO POR CADA 100m								
PROFUNDIDAD PROYECTADA	300m	GRAVAS	51.8m		PROFUNDIDAD(m)	RECUPERACION DEL INTERVALO		TOTAL
LANGITUD PROLONGADA	0	LONG.DE TESTIGO	287.0m		0.0~105.0	92.3m	87.9%	87.9%
PROFUNDIDAD SUPERVISADA	300.0m	RECOBRAR	95.60%		105.3~221.2	115.9m	99.7%	94.1%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS		221.2~300.0	78.8m	100.0%	95.6%
PERFORACION	315 h	79.7%	72.4%		EFICIENCIA			
OTRO EXCEPTO PERFORACION	80 h	20.3%	18.4%		TTL AVANCE/TOTAL PERIOD		10.34	mts/dia
PARA ACCIDENTES	0 h	0.0%	0.0%		TTL AVANCE/DIAS TRABAJADOS		12	mts/dia
DEPENDIENTES	0h	0.0%	0.0%		TTL AVANCE/PERIOD PERFORADO		1.76	mts/dia
SUB-TOTAL	395h	100%	90.8%		TTL ADANCE/SOLO POR PERFORACION REAL		13.04	mts/dia
PREPARACION	20h		4.6%		TTL ADANCE/TOTAL MITA		2.13	mts/mita
DESARME Y RETIRO	20 h		4.6%		MITAS TTL DE PERFORACION/TTL ADANCE		0.26	mitas/mts
TOTAL	435h		100%		ARTICULO			
PROFUNDIDAD DE	RECUPERACION DE							
ADEME POR CADA	TUBOS							
DIAMETRO	B/A*100 (%)	A : LARGO PERFORADO (REVESTIMIENTO)	(%)		Hasta la terminación del barreno final de esta área se dejó como reserva la máquina sin hacer el desmontaje de la máquina de la perforación y el retiro			
DIAMETRO(mm)	P(m)	B : LARGO REVESTIDO (%)	(%)					
101.6	51.8		100					
	17.3							

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MJMI-1-(1)

0m-100m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
9.3		Sol	Supergene kaolinite											
15.65-19.7		Andesite lava (massive)	Gray massive Andesite partly strongly alt'r along fracture *15.65-15.85m strong silicified vein *17.0m - strongly alt'r hem net *19.7m - massive Andesite lava	W=20cm	argillic									
27.2-27.3		tuff-breccia	Gray alt'r andesitic tuff-breccia *27.2-27.3m quartz vein frags	10cm										
32.6		lapilli-tuff	*32.6m - clay along fracture											
35.1-35.4		tuff-breccia	*35.1-35.4m quartz vein *35.4-35.9m silicified vein	30cm 50cm		Dr-1	35.10	35.90	0.80	0.1	2	0.01	0.01	0.01
46.85		Andesite lava (massive)	*46.85m quartz vein frags	5cm										
46.9		tuff-breccia	Weak silicified and hematite net in frac		propilic									
67.55-70.45		Volcanic breccia	Purplish gray *67.55m w=1.5cm Qtz Vein *70.0m w=1cm Qtz Vein $\angle 30$ *70.45m w=1cm Qtz Vein $\angle 30$	1.5cm 1cm 1cm										
94.1-94.2		tuff-breccia	Mainly consists of glassy andsite frags and rare accidental frags *94.1-94.6m strong argillic alt'r *94.2m w=1cm Qtz vein	1cm										

~ - argillic alteration      \*\* - propilic alteration      \* - silicification

Fig.II-1-9 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-1



## MJMI-1-(2)

100m-200m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	SS	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
103.3	.....	Andesitic tuff-breccia	Strong eluded zone by fault	W=										
103.8	.....		Sandy andesitic tuff	1-2cm										
105.5	.....		Strongly argillic alt'r											
106.5	.....		W=1.3cm, silicified vein	3cm										
107.6	.....	----- Andesitic tuff-breccia	Gray andesitic tuff-breccia with argillic alt'r											
113.0	.....		Medium argillic alt'r											
120.85	.....		Purplish gray lapilli-tuff, elongated lapilli											
123.7	.....		Sandy tuff											
125.0	.....		Fault breccia											
125.4	.....		D gray andesitic tuff-breccia with propilitic alt'r											
147.0	.....		Sheared zone(10cm)											
157.0	.....		W=5mm quartz veinlets *4	5mm										
158.2	.....			∠60										
161.8	.....	----- Andesite lava	Sandy andesitic tuff											
162.0	.....		Volcanic conglomerate-											
163.4	.....	(auto-brecciated)	D. gray Andesite brecciated with silicified and Py. Diss		xxx									
170.5	.....	----- Andesite lava (massive)	Gray massive andesite											
	.....		*172.2m Cal veinlet ∠80											
	.....		173.5-altered and w silicified with drusy qtz net(l=30cm)	net			Df-2	173.50	173.80	0.30	0.0	0	0.02	0.01
	.....		*178.8m drusy qtz. Net(l=50cm)	net										
	.....		with pyrite diss.											
	.....		*180.1m w-5cm qtz-hem. Vein				Df-3	179.00	179.30	0.30	0.0	0	0.00	0.00
	.....		*185.4m w-1-3mm qtz net	1-3mm										
	.....		*186.8m w-5mm qtz veinlets	5mm			Df-4	183.45	183.85	0.40	0.0	0	0.00	0.00
	.....			∠60-70										
190.3	.....	----- Andesite lava (auto-brecciated)	P greenish gray andesite auto-brecciated											
	.....		*190.3m- py disseminated											
195.5	.....	----- Andesite lava (massive)	Dark gray massive andesite											

~ argillic alteration

\*\* propilitic alteration

\*\* silicification

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MJMI-1-(3)

200m-300m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
200.9	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △	Andesite lava	p greenish Andesite lava auto-brecciated		~									
210	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △	Andesite tuff-breccia	209.5m-weak silicified Andesitic Tuff breccia		**									
220.4	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △	Andesite lava	219.9m-220.4m Fractuated Purplish gray Andesitic lava, brecciated											
230	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △		1											
240	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △		Calcite net											
250	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △		1											
253.3	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △	Andesite vol-breccia	Andesitic Volcanic breccia *254-255m calcite net many											
260	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △	Andesite tuff-breccia	Gradually change to Andesitic tuff-breccia *265.2m-50cm silicified with Py. dissemination *268.1m-weak altr		~	DL-5	265.20	265.70	0.50	0.0	0	0.00	0.00	0.01
270	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △		276.1-277.1m strongly fracuated		~									
278.0	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △	Andesite vol-breccia	Dark gray Andesitic volcanic breccia calcite net											
290	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △													
300	△ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △ △													

~ argillic alteration

\*\* propylitic alteration

\*\* silicification

MJMI-2-(1)

0m-100m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER.	ALTER.	No.	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
0-11.9	Soil				supergene kaolinite									
11.9-41.4	Andesite lava	Andesite lava	Dark gray strongly weathered andesite, massive											
18.3-18.5m			weak argillized zone with w=1-5mm Qtz net		w=1-5mm									
19.8m			weak argillic alt'r											
24.7-24.8m			w=0.5-1cm Qtz. Veinlets		1cm									
30.8m			calcite net											
41.4-70.5	Andesite lava (auto-brecciated)	Andesite lava (auto-brecciated)	Strongly elushed zone by faulting											
45.8m			w=1-5mm cal veinlets											
48.0m			fault breccia											
60-70.5					supergene overprint									
70.5-80	Andesite (massive)	Andesite (massive)	Dark gray massive andesite with calcite veinlets											
77.85m			w=2cm Qtz. Veinlet / 70		w=2cm									
78.0m			w=3cm Qtz. Veinlet / 70		w=3cm	DI-6	78.00	78.05	0.05	0.0	0	0.00	0.00	0.01
79.0m			w=1-5mm Qtz net		Q net									
83.3-84.9m			argillized with Py. diss.		Py.									
85.0m			dark gray massive with Py.			DI-7	86.50	86.90	0.40	0.0	0	0.01	0.00	0.01
86.5-86.9m			Py. Diss. rich		Py.									
91.5m			elushed, w. argillized											

-- argillic alteration      \*\* propylitic alteration      \*\* silicification

Fig.II-1-10 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-2

MJMI-2-(2)

100m-200m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	Sp	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
103.6	XXXX	Andesite (massive)	Strongly fractured massive Andesite	Py diss	---									
106.3	XXXX		D gray massive Andesite	Py diss	---									
109.7	XXXX		109.7m-strongly fractured zeolite(chabazite) veinlets	Py diss	---									
111.0	XXXX		111.0m-d gray massive zeolite pyrite veinlet	Py diss	---	DI-8	110.30	110.40	0.10	0.0	1	0.13	0.00	0.01
117.6	XXXX		117.6m- 10cm diss. Py rich	Py conc	---									
119.3	XXXX		Strongly argillic alt'r		---									
120.5	XXXX		120.5m- weak argillic alt'r		---									
122.7	XXXX		clay veinlet $\angle 30$		---									
128.5	XXXX		D gray massive Andesite		---									
129.8	XXXX		zeolite net		---									
130.2	XXXX		130.2m-weak alt'r massive And		---									
131.9-132.2	XXXX		*131.9-132.2m Py. Diss. rich	Py conc	---									
133.5-155.8	XXXX		zeolite(chabazite) net		---									
133.5-155.8	XXXX		D gray massive Andesite		---									
147.5	XXXX		strong fractured		---									
151.0	XXXX		Py. diss along fracture	Py diss	---									
151.0	XXXX		D gray massive compact		---									
151.0	XXXX		151.0m- strong fractured		---									
152.2	XXXX		*152.2m W-3cm Qtz veinlet	w=3cm	---	DI-9	152.20	152.25	0.05	0.1	2	0.02	0.00	0.00
155.8	XXXX		*155.8m Py rich		---									
155.8	XXXX		D gray Andesite lava		---									
161.6	XXXX	Andesite (brecciated)			---									
161.6	XXXX		*161.6m w=1cm Qtz. Veinlet	*1cm*	---									
167.4	XXXX		*167.4m w=5mm Qtz. Veinlet	*5mm*	---									
169.4-169.7	XXXX		169.4-169.7m strong fractured d gray Andesitic		---									
169.4-169.7	XXXX	Andesite (Vol Bre)	Volcanic breccia		---									
177.8	XXXX		*177.8- strong fractured(fault)		---									
179.4	XXXX		*179.4m w=1cm Qtz. Veinlet	1cm	---									
184.4-185.0	XXXX	Andesite (tuff bre)	D gray Andesitic		---									
184.4-185.0	XXXX		Volcanic breccia, weak to medium argillized		---									
184.4-185.0	XXXX		*184.4-185.0m Qtz. vein frags		---									
184.4-185.0	XXXX		frags with Cp, in fault clay	frags	---	DI-10	184.40	185.00	0.60	0.1	0	0.05	0.00	0.01
184.4-185.0	XXXX		D gray-reddish gray		---									
184.4-185.0	XXXX		Andesitic tuff breccia		---									

-- argillic alteration    \*\* propylitic alteration    \*\*\* silicification

## MJMI-2-(3)

200m-300m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	NO	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
202.7	.....	-----	*200.4-fractured oxidized Reddish brown Andesitic lapilli tuff											
210	.....		210.1-211.3m fractured											
217.5	.....		*216.0m-w=1-2mm zeolite v. Gradually change to Sandy tuff											
219.5	.....	-----	Andesitic tuff breccia											
220	.....	Andesite (tuff bre.)												
230	.....		*228.0-228.8m w=3-5cm Quartz-dolomite-zeolite veinlets	zone		DI-11	227.90	228.50	0.60	0.2	1	0.09	0.00	0.02
	.....		*231.5m w=1cm Qtz-dot. Veinlet	w=1cm										
	.....		*233.3m w=5mm Qtz-dot. Veinlet	w=5mm										
240	.....		Box unit boundary ↓											
243.5	.....	-----	Reddish brown Coarse tuff											
	.....	Andesite (Coarse tuff)												
250	.....	-----	D gray Tuff breccia											
249.0	.....	Andesite (tuff bre.)	*249.0-249.5m Qtz-cal net, Cp. *250.2-250.7m Qtz-cal vein, Cp. *252.2-252.7m w=1-3cm Qtz-cal net with Cp. <math>\angle 60</math>	net 50cm zone 10cm net 50cm		DI-12	250.50	250.70	0.20	0.0	0	0.17	0.00	0.01
	.....		255.7-256.7m strong argillized D gray massive Andesite			DI-13	252.20	252.70	0.50	0.0	2	0.36	0.00	0.01
256.7	.....	-----	Andesite (massive)											
260	.....		260.0m w=1cm cal veinlet P greenish gray massive 266.5-268.0m Cal net D. gray massive											
270	.....		Calcite net 278m- fractured											
280	.....	-----	D gray Andesitic tuff breccia											
280.4	.....	Andesite (tuff bre.)	Calcite net-veinlets											
290	.....		289.2-293.6m w=5mm-1cm Cal net-veinlets <math>\angle 50</math>											
293.6	.....	-----	Gray Andesitic lapilli tuff porous											
	.....	Andesite (Lapilli tuff)	Calcite net											
300.1	.....		END											

~ argillic alteration

\*\* propylitic alteration

\*\* silicification

(1/3)

MJMI-3-(1)

0m-100m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/g)	Ag (g/g)	Cu (%)	Pb (%)	Zn (%)
1.00		Soil	Ss/Ms Alternation											
4.00		EMEZCALERA	Ms>Silt>Ss fine alt'n											
9.10		Porphyry	Weathered Porphyry 9.1-Oxidized and weak altered											
18.0			18.0- massive Plagioclase Porphyry											
23.80		EMEZCALERA	Ms>Ss graded bedding (turbidite)											
29.95		Porphyry	Gray Plagioclase Porphyry											
32.10		EMEZCALERA	Black Mudstone											
34.3			34.3- Ss>Ms											
36.10		Porphyry	Monzonitic Porphyry											
38.30		EMEZCALERA	Gray Silt>Ss alt'n											
41.20		Porphyry	Altered Monz. Porph.											
46.20		EMEZCALERA	Greenish gray Siltstone											
49.5			49.5- mainly Black Ms											
50.7			50.7- Ss>Ms Graded bedding											
53.3			53.3- Ms>Ss alt'n											
57.00		Porphyry	Gray fresh Porphyry											
58.10		EMEZCALERA	d gray Ms/fine Ss alt'n											
63.00		Porphyry	Gray monzonitic Porphyry											
68.00		EMEZCALERA	Fine Ss>Ms Alternation											
73.60		Quartz Vein	73.6-74.25(0.65m) Qtz Vein			DO	73.60	73.95	0.35	0.0	1	0.00	0.01	0.02
74.85		Quartz Network	Qtz-cal net in alt'r Porph			002	73.95	74.55	0.60	0.0	1	0.00	0.01	0.02
77.95		Quartz Vein	Ditto, altered			003	74.55	74.85	0.30	0.0	2	0.00	0.01	0.04
79.15		Quartz Vein	77.95-79.15(1.2m) Qtz. Vein			004	74.85	75.45	0.60	0.0	0	0.00	0.00	0.00
79.15		Quartz Vein	79.15-81.20 Qtz V frags in clay			005	75.45	76.45	1.00	0.0	0	0.00	0.01	0.01
80.55		Quartz Vein	80.55-81.20(0.65m) Qtz. Vein			006	76.45	77.95	1.50	0.0	0	0.00	0.00	0.02
81.20		Quartz Network	Strong silicified Porphyry, Qtz net			007	77.95	78.45	0.50	0.0	0	0.00	0.00	0.00
82.20		Quartz Network	Strong silicified Porphyry, Qtz net			008	78.45	79.15	0.70	0.0	0	0.00	0.00	0.00
84.5		Quartz Vein	84.5-85.1(0.6m) Qtz. Vein			009	79.15	79.65	0.50	0.0	0	0.00	0.00	0.00
85.10		Quartz Vein	Strong argillized Silt>Ms alt'n			010	79.65	80.55	0.90	0.0	0	0.00	0.00	0.00
88.5		Quartz Vein	88.5-89.7 strong altered			011	80.55	80.95	0.40	0.0	0	0.00	0.00	0.01
88.5		Quartz Vein	88.5-89.7 strong altered			012	80.95	81.75	0.80	0.0	0	0.00	0.00	0.00
88.5		Quartz Vein	88.5-89.7 strong altered			013	81.75	82.30	0.55	0.0	1	0.00	0.00	0.01
88.5		Quartz Vein	88.5-89.7 strong altered			014	84.50	85.50	1.00	0.0	1	0.00	0.00	0.02
88.5		Quartz Vein	88.5-89.7 strong altered			015	86.60	87.00	0.40	0.0	1	0.01	0.00	0.01
92.7			92.7-97.3 strong altered											
97.3			97.3- Ms>silt fine alternation											

~ argillic alteration

" propylitic alteration

- silicification

Fig. II-2-10 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-3

## MJMI-3-(2)

100m-200m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER	ALTR	No	FRONT (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
101.0	XXXXXX	Porphyry	P gray oxidized arg. Porphyry											
102.2		FMEZCALERA	Gray compact hard Ss with small amount of Ms											
			*106.4-109.8m Breccia (Fault) with clay and vein fragment											
110	100.8	Dacite	White rhyolite dyke			DD								
	111.8	FMEZCALERA	siliceous, Py. diss	w=10cm		-16	111.70	112.60	0.90	0.2	2	0.00	0.01	0.03
			D gray Conglomerate											
			d gray Compact hard											
			*111.7m w=10cm Quartz Vein											
			*111.9-112.6m Qtz-Cal veinlets zone											
			*115.8m, w=3cm Dolomite V. $\angle 60^\circ$											
			*118.0m, w=10cm Cal-Dol V.											
120	118.1		Gray massive Ms/Ss. alt'n											
			Calcite veinlets											
			Ss > Ms											
130														
140														
150	150.7	Porphyry	Dacite Porphyry, Py.											
	151.0		Ss > Ms.											
	153.0	Porphyry	Gray Dacite Porphyry											
	153.6	FMEZCALERA	Ms > Ss. alt'n			DD								
			*156.5-157.2m (0.7m) Sph-Cn-Qtz V. $\angle 45^\circ$	w=0.7 (Zn, Pb)		-17	155.50	157.10	0.70	0.2	6	0.03	0.14	25.50
	157.2		Gray compact hard Ss. with Conglomerate, hornfels											
160	162.0	Monzonite	Gray Monzonite, equigranular											
	164.0	FMEZCALERA	P greenish Silt/Ss. with reddish brown Ms by Hornfels											
	168.6	Monzonite	Pyrite > Pyrrhotite											
	169.6	FMEZCALERA	Monzonitic dyke-sheet											
170	169.6		P greenish Silt/Ms. alt'n											
			Hornfels											
	176.9	Porphyry	Porphyritic rock with frags.											
	177.4	FMEZCALERA	P green Silt > reddish Ms											
			*gradually stronger Hornfels											
180			Pyrrhotite = Pyrite											
			*185.5-190.7m											
			w=1-3cm Calcite veinlets $\angle 50^\circ$											
190	194.5		reddish brown Ms >> Ss											
			*195.7-196.0m Py. Rich			DD								
						-18	195.70	196.00	0.30	0.0	0	0.00	0.00	0.12
200														

-- argillic alteration

\*\* propylitic alteration

\*\* sulfidation

///// hornfels

(3/3)

MJMI-3-(3)

200m-300m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	SICNER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
		EMEZCALERA	*Hornfels weaken		//									
207.3		Porphyry	Pinkish gray Porphyry											
209.9			Gray Ms>Ss fine Alternation Py rich			DD								
		EMEZCALERA	*211.6-211.8m Qtz net, Cp	w=0.2m		-19	211.60	211.80	0.20	0.2	31	0.14	0.18	0.37
215.6			D gray Conglomerate, Py conc 215.9-216.8m w=2cm Cal V. *215.8-216.8m fenticular Py conc (segregation origin)											
230.2			*230.2-230.3m w=3-5cm Q net Wh-milky gray Rhyolitic Tf.	Qtz net										
233.0		EMEZCALERA (Acidic tuff)	*238.0 w=5cm Cal vein $\angle 60^\circ$ 238.6m w=3-5cm Cal v.											
235.7		EMEZCALERA	D gray Conglomerate											
240.4			D gray Ms, Cal. net											
			*246.9-247.0m Qtz net, Cp, Gn	w=0.1m		DD	246.90	247.00	0.10	0.1	56	0.52	0.04	1.10
			*248.5-250.1m Qtz net, Py, Gn	w=1.6m		-21	248.50	250.10	1.60	0.4	11	0.01	0.17	0.09
251.4		Porphyry	Plag Porphyry, (w)alt'r, Py rich											
252.8		EMEZCALERA	Ms>Ss fine alt'n (turbidite)											
260.6			mainly d gray Conglomerate											
268.5			Ms>Ss Ss>Ms 273- Ms>Ss gradually increase Ss											
			284.6- Ms>Ss											
			*293.65-293.8m Qtz-cal, Sph	w=0.15m		DD	293.65	298.00	0.15	0.2	10	0.02	0.07	3.06
300			300m END											

~ argillic alteration

\*\* propylitic alteration

\*\* silicification



## MJMI-4-(1)

0m-100m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
3.0	Soil		Weathered Ss>Ms. alternation											
7.5	Ms~Ss (MEZCALERA)		Silt>Ss>Ms. fine alt'n											
13.3	Porphyry		P gray weak arg. Porphyry											
14.2			(w) arg. Silt>Ss>Ms. fine alt'n											
15.0			P gray weak arg. Porphyry											
17.7		(MEZCALERA)	Strong Silicified Silt>Ms.											
23.9			Ms>Ss. fine alternation											
37.2-39.2m			argillied											
41.5			Ss>Ms.											
43.2-46.2m			Strong fractured											
46.2-47.6m			Strong silicified with quartz veinlets	Qtz net	xxxx	DE-	46.50	47.60	1.10	0.0	1	0.00	0.00	0.10
51.6-53.4m			strong fractured	Qtz net			49.50	51.60	2.10	0.0	2	0.00	0.01	0.19
53.4			(v) silicified Ms>Ss. alt'n	Qtz net			51.60	53.40	1.80	0.0	4	0.00	0.13	0.13
55.7-57.1m			Qtz net, Py. rich D gray Ms. > Ss. fine alt'n.	Qtz net	xxxxx		55.70	57.10	1.40	0.0	2	0.00	0.01	0.03
62.1-62.9m			Mixed layered clay											
63.2	Porphyry		P gray plagioclase Porphyry											
68.6			Black Ms. strong deformed											
69.5	Porphyry		Plagioclase Porphyry with chilled margin											
72.3			Clay oxidized (Fault clay)											
73.2-73.9m			Cal-qtz vein	Qtz - Cal			73.20	73.90	0.70	0.0	0	0.00	0.00	0.03
73.9			Ss>Ms. alt'n. silicified and fractured				74.60	76.50	1.90	0.0	0	0.00	0.00	0.02
78.0			D gray Fault breccia with smectite clay											
81.0		(MEZCALERA)	Gray Ss. with cal net.											
83.0			Black Ms. with Ss. fragments											
84.0m			w=0.3m cal vein											
86.5m			w=3cm Qtz veinlet $\angle 70^\circ$											
87.1m			w=1cm Qtz veinlet $\angle 80^\circ$											
87.8m			w=1cm Qtz veinlet $\angle 70^\circ$											
90.8m			w=5cm Qtz veinlet $\angle 80^\circ$											
97.5m			w=1cm Qtz veinlet $\angle 40^\circ$ with Sph. Cp.											
98.2m			w=1cm Qtz veinlet $\angle 80^\circ$											
			drusy cal vein parallel to core											

~ argillie alteration

\*\* propilitic alteration

\*\* silicification

Fig. II-2-11 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-4

(2/3)

MJMI-4-(2)

100m-200m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER.	ALTER.	No.	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
100		(MEZCALERA)	Mainly gray Ss with black Ms matrix											
101.0			*104.4-107.0m drusy calcite											
			*107.65m w=2cm Sph, Gn											
			*107.90m w=2cm Sph, Gn-Cal, Qtz											
108.7			*108.7m w=1cm Sph, Gn, Qtz $\angle 50^\circ$											
116			P greenish gray siliceous Ss with 1-2mm Py veinlets											
						DE-								
						7	114.00	115.00	1.00	0.0	0	0.00	0.00	0.00
						8	115.00	116.00	1.00	0.1	15	0.02	0.03	0.04
						9	116.00	117.00	1.00	0.0	5	0.02	0.03	0.12
118.5		Conglomerate (MEZCALERA)	Gray Conglomerate *119.05m - Py $\gg$ Gn net				10	117.00	118.00	1.00	0.0	2	0.01	0.01
						11	118.00	119.05	1.05	0.0	3	0.02	0.02	0.04
120						12	119.05	119.85	0.80	0.4	34	0.08	0.07	0.02
120.2		Perphyry	All'r Porphyry with Py $\gg$ Gn *121.4-122.35m Py rich $\gg$ Gn	w=2.25m Py $\gg$ Gn			13	119.85	120.20	0.35	0.7	84	0.02	0.28
						14	120.20	121.40	1.20	0.1	43	0.02	0.04	0.03
124.0		Conglomerate (MEZCALERA)	Gray Ss $\gg$ Ms fine alternation				15	121.40	122.35	0.95	0.9	45	0.05	1.52
						16	122.35	123.35	1.00	0.5	26	0.01	0.03	0.01
						17	123.35	124.35	1.00	0.0	2	0.01	0.01	0.09
130														
134.0			(Gradually) Mainly Ss											
140														
146.0			Ss $\gg$ Ms											
150			*Calcite net-veinlets											
157.5			*156.4m w=1mm barite $\angle 70^\circ$ Ss rich											
160														
162.1			Black Ms $\gg$ Ss fine alt'n											
166.5			Ss $\gg$ Ms											
170			*169.4m w=1.5cm Cal vein $\angle 70^\circ$											
177.1		Acidic Tuff (MEZCALERA)	Milky gray Acidic tuff											
180														
181.0			Gray Ss $\gg$ Ms fine alt'n											
			*187.1m w=3cm Cal vein $\angle 40^\circ$ *187.2m w=2cm Cal vein $\angle 60^\circ$											
190														
193.3			d gray-black Ms $\gg$ Ss with milky white acidic TF											
199.8			wh-milky wh. Rhyolitic Tuff											
200														

~ argillic alteration

\*\* propylitic alteration

\* sulfidation

MJMI-4-(3)

200m-300m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
204.2		Tuff	D gray fine conglomerate											
205.4			Milky white rhyolite Tuff											
210		Tuff	> w=1mm Calcite veinlets many < 60'											
213.4			Black Ms > Ss block Milky rhyolite lava(?)											
215.9		Tuff	Gray Conglomerate											
217.5			D gray Ms > Ss.											
218.3		(MEZCALERA)	Ss > Ms gradually with fine Conglomerate, grading											
224.4			Ms > Ss											
230														
233.5			Ss > Ms											
240														
245.2			Ms > Ss. fine alt'n											
250			Calcite veinlets parallel to core											
260														
261.6			Ms/Ss. fine alt'n grading											
270														
275.7			Ms > Ss											
280														
282.6			*280.8-281.5 Calcite net Cal-Qtz vein, Py rich											
283.8			Ms/Ss alt'n											
288.5			Ms > Ss. fine alt'n. grading *289.2-289.3m Qtz-cal Vein	Qtz = Cal		DE 19	289.20	289.30	0.10	0.0	0	0.00	0.00	0.00
290														
500														

~ argillite alteration      \*\* propylite alteration      \*\* sulfidation

(1/3)

MJMI-5-(1)

0m-100m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
2.0	Soil		Altered and oxidized Ss/Ms											
	FMEZCALERA													
			6.1m- weathered zone											
9.0			Ms>Ss. Alternation, altered											
15.0			12.1m-reddish oxidized D gray to black Ms											
19.5			Ms>Ss. Alternation Calcite net											
26.5			Ss>Ms. fine Alternation											
28.8			*27.2m Calcite net rich Ss>Ms.											
30.0			Black Ms. with fragments											
			34.3m-Strongly altered Bk Ms fractured along Fault (gradually change to) D gray Ms/Ss. fine alternation											
43.9			Conglomerate>Ss.											
47.5			Gray compact hard Ss > Ms											
51.8			*51.7-51.8m fault clay Clushed black Ms(fault bre.)											
		(fault breccia)												
58.0	FMEZCALERA		Black Ms > Ss											
61.5			P greenish gray acidic tuff Ms>Ss.											
62.1														
63.6			P green altered Porphyry *63.8-64.2m Py, Gn-barite net			DF								
65.5	Intrusive		Black Ms, segregation Qtz	w=0.1m Q-Ba net		-01	63.80	64.20	0.40	0.4	7	0.02	0.01	0.00
	FMEZCALERA													
70.5			*69.8-70.5m Brt-Qtz net, Sph, Gn Black Ms>Ss	w=0.7m Q-Ba net		02	69.80	70.50	0.70	0.6	15	0.00	0.26	0.60
78.4			*77.6-78.4m Barite-Qtz V. Gn> sph ∠ 70°	w=0.8m V zone		-03 -15	77.60 78.40	78.40 79.50	0.80 0.90	0.7 0.1	190 12	0.03 0.01	2.92 0.10	0.04 0.01
		(fault breccia)	Strong arg. & clushed Ms											
82.4			Black phyllite (pelitic schist) *83.9-84.2m Barite v. Gn	w=0.7m Ba vein		-04	83.90	84.20	0.50	1.6	37	0.01	0.04	0.02
		Schist (Jurassic)												
90.0			Milky gray altered Porphy *94.65-96.65m Barite v. (Gn) Black phyllite with lenticular quartz											
95.0			*97.30m w=3cm Qtz veinlet ∠ 70°											
		Schist (Jurassic)												
100.0														

-- argillic alteration      \*\* propylitic alteration      \*\* silicification

Fig. II-2-12 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-5

## MJMI-5-(2)

100m-200m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	NO	FROM (m)	TO (m)	L (m)	As (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
101.35	00000		*101.3m w=5cm Qtz V, Py Z 30°											
102.3	00000		Gray fine Conglomerate Phyllite/milky tuff alt'n											
104.3	00000	Schist (Jurassic)	Gray Ss(psammitic schist)											
109.6	00000		(gradually) fine Conglomerate											
110.6	00000		Black Ms(phyllite), boudine											
112.6	00000		Cong-d greenish Ss											
115.4	00000	Basalt (Intrusive)	Dp green Basalt(?) amugdole structure											
118.5	00000		Fine conglomerate											
120.2	00000	Schist	Dp green Basalt(?)											
	00000	Basalt (Lava)	with porphyritic texture											
	00000	FMEZCALERA	124-change to Lava facis											
	00000	Fault	*128.6m Fault clay											
130.7	00000	FMEZCALERA	Weak silicified greenish Ss (gradually) change to Congl											
136.5	00000		(gradually) Black Ms.											
137.3	00000		Milky colored fine tuff											
137.5	00000	Phyllite (Block)	Black phyllite *139.4-segregation qtz lens											
142.8	00000	FMEZCALERA	Dp green Basalt or Andesite											
143.2	00000		Black Ms											
145.3	00000		Fine conglomerate											
146.3	00000		Black Ms → Ss.											
149.5-149.8m			milky tuff											
			*segregation quartz lens, Py			DF								
			*153.0m-153.5m Barite-Py net			-13	153.00	153.50	0.50	0.0	3	0.00	0.04	0.19
			*154.2m w=7cm Barite-Py V. Z 90°			-14	154.10	154.90	0.80	0.4	4	0.00	0.02	0.04
			159.1-159.4m Max w=4cm Barite-Py (Gn) vein			DF								
			P green rhyolitic tuff, massive			-05	159.10	159.40	0.30	4.8	274	0.22	3.24	0.08
160.5	00000	Rhyolitic (tuff)												
165.4	00000	FMEZCALERA	Black Ms, segregation qtz *165.8m w=2cm Cal vein Z 70°											
167.7	00000	Rhyolitic (tuff)	P green rhyolitic tuff, massive *168.9m w=1cm Mn-cal V. Z 40° *173.4m w=1cm Cal V. Z 40°											
187.2	00000	Lava	Dp green Basalt, amygdole *187.7 w=2cm Cal veinlet											
188.0	00000	Rhyolitic (tuff)	P green rhyolitic tuff, soapy ditto tuff breccia											
192.0	00000	Intrusive	Gray monzonitic Porphyry			DF								
			*195.9-196.7m Cp-Py veinlets with undetermined stringer mineral			-06	195.90	196.70	0.80	0.1	3	0.00	0.02	0.02
197.5	00000	Rhyolitic (tuff)	P green rhyolitic tuff, soapy											

~ argillic alteration

\*\* propylitic alteration

\*\* silicification

(3/3)

MJMI-5-(3)

200m-300m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTER	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
210		Rhyolitic (tuff)	P. greenish massive rhyolitic tuff *203.6m W=5mm Gn-Sph veinlet ∠ 50° *207.7m W=20cm ∠ 40° Barite veinlets zone with Gn, Sph	-Gn-		DF-7	207.60	207.80	0.20	2.0	61	0.19	1.17	0.20
211.4		(F MEZCALERA)	Black conglomerate Φ 1-2cm rarely Φ 5-5cm											
220			Calcite nets *223.4m W=2cm Barite veinlet ∠ 70° *224.2m w=2cm Barite veinlet											
230			(Gradually) Reddish brown fine Conglomerate											
235.0		(F MEZCALERA)	Reddish brown Ms. *236.3m w=3cm Calc vein ∠ 50°											
240														
249.6		(F MEZCALERA)	Greenish gray Ss. *251.3-251.8m Barite net											
250			*255.6-256.8m w=1-5mm Qtz veinlet with Sph, Gn *257.0-257.2m Barite veinlet ∠ 50° with Sph, Gn	-Gn- -Gn-		DF-08 09	256.60 257.00	256.80 257.20	0.20 0.20	0.2 0.0	28 1	0.09 0.00	0.28 0.02	5.34 0.07
260		(F MEZCALERA)	Reddish brown Andesitic lapilli tuff											
270														
275.0		(F MEZCALERA)	P gray glass-patch tuff (Acidic pumice tuff) *275.7-276.5m Veinlets zone ∠ 80° with Py>Gn, Cp			DF-10	275.70	276.50	0.80	0.2	2	0.00	0.01	0.01
278.7		(F MEZCALERA)	Reddish brown And. Lap tuff											
280			*284.8m w=5cm Qtz-brt Vein ∠ 70°			DF-11	284.80	284.85	0.05	0.1	4	0.00	0.06	0.03
287.6		Intrusive	Gray hornblende porphyry fresh hard			DF-12	292.80	293.00	0.20	0.1	4	0.01	0.26	0.37
290			*292.8-293.0m w=3-5mm Qtz veinlet zone with Sph, Gn											
293.5		(F MEZCALERA)	Black Mudstone											
299.1			P. green Rhyolitic tuff											
300.0			Black Ms. END											

- argillic alteration

\*\* propylitic alteration

\*\* silicification

## MJMI-6-(1)

0m-100m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g)	Ag (g)	Cu (%)	Pb (%)	Zn (%)
23	.....	Soil												
24	.....	Rhyolite	Milky gray rhyolite, massive (type Dome) with many hematite net			DG 01	280	390	110	0.0	1	0.00	0.01	0.01
60	.....	Ss > Cong alternation (FMEZCALERA)	Gray compact hard Ss with conglomerate * w=1-2mm Qtz. vein many (graduary) increase conglomerate	Qtz Vein										
112	.....													
173	.....		*oxidized and silicified with hematite net			02	17.30	18.30	1.00	0.0	44	0.00	0.06	0.05
173	.....					03	18.30	19.30	1.00	0.0	13	0.00	0.02	0.05
173	.....		Gray Ss > bk-d gr. Conglomerate	Qtz Vein		04	19.30	20.30	1.00	0.0	7	0.00	0.03	0.04
173	.....					05	20.30	21.30	1.20	0.0	28	0.00	0.10	0.08
240	.....		Reddish oxidized zone along fracture almost Conglomerate											
256	.....													
295	.....	Basalt?	Deep green amyg. And-Bs? porphyritic texture											
325	.....		Gray comp. hard Ss											
342	.....	Basalt?	Dp. green Amyg. Bs-And.											
362	.....		Grn-gray fine Ss-Ss > Cong graded bedding											
40	.....	FMEZCALERA	graduary increase a rate of Conglomerate											
438	.....		Conglomerate											
444	.....	Basalt?	Dp green amygdal Basalt											
489	.....		*48.6m w=1mm Gr (Au) vein $\angle 30^\circ$	-Gr**										
489	.....		Gray-milky gray Silt	-Gr**										
521	.....	FMEZCALERA	*49.5m w=2-3mm Gr. Cal vein $\angle 30^\circ$											
540	.....		*49.6m w=1cm Barite vein $\angle 40^\circ$ oxidized zone gray fine Ss-fine Cong											
585	.....		oxidized zone *59.0m w=5cm Cal-Qtz vein $\angle 30^\circ$	-Qtz**		DG 06	58.50	59.10	0.60	0.0	1	0.00	0.00	0.02
648	.....		Milky gray Silt *65.0m w=5mm-1cm hnt.V. $\angle 70^\circ$											
675	.....		(gradually) increase Ss *67.8m w=5mm hnt vein $\angle 70^\circ$											
690	.....		*67.9m w=1-5cm irregular Qtz.V. $\angle 70^\circ$ (gradually) change to Conglomerate	-Qtz**		DG 07	68.50	69.30	0.80	0.0	3	0.00	0.01	0.04
723	.....		*72.0m w=1cm Cal-Qtz.V. $\angle 70^\circ$ Gr. Cong > Ss. graded bedding	-Qtz**										
745	.....		Ss > Conglomerate											
773	.....		Gray Cong > Ss.											
823	.....		Ss > Conglomerate											
865	.....		(graduary) silicified Cong	Silicified Oxidized		DG 08	86.65	88.05	1.40	0.0	0	0.00	0.00	0.00
865	.....					DG 09	88.05	89.60	1.55	0.0	0	0.00	0.00	0.00
890	.....		strong silicified *91.5m w=5mm Cal. $\angle 80^\circ$ *91.9m w=1cm Qtz vein $\angle 70^\circ$	Qtz**		10	92.80	94.50	1.80	0.0	0	0.00	0.00	0.00
950	.....		w=3-5mm Cal vein											
950	.....		Ss > Conglomerate											
976	.....		Conglomerate > Ss.											
1000	.....													

~ argillic alteration      \*\* porphyritic alteration      \*\* silicification

Fig. II-2-13 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-6

(2/3)

MJMI-6-(2)

100m-200m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MNER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
101.3		FMEZCALERA	Ss, fractured and oxidized											
102.0			Ss > fine Cong											
			, weak silicified											
107.8			Deep greenish Ss → Cong											
110.0			Gray Cong, strong silicified											
111.6		Porphyry	Deep greenish gray Hornblende Porphyry											
114.4			Gray silicious Cong Py. diss											
120.0			gradualy change to Conglomerate > Ss strong silicified											
126.0														
142.0		FMEZCALERA (Calcareous Sed)	Calcareous Ss → Cong.											
148.5			silicified			DO								
151.2		Skarn zone	Garnet-Py. Skarn (w) oxidized < 70	.....		011	150.20	151.20	1.00	0.0	0	0.03	0.00	0.00
152.0			Garnet-Py. diss with Cp in Sil-Ss	.....		012	151.20	152.00	0.80	0.1	8	0.38	0.00	0.02
152.6			brownish Garn et Skarn Py > Spec > Cp	.....		013	152.00	152.60	0.60	0.3	26	2.00	0.03	0.09
156.6			*156.8m w=2cm Qtz vein < 50°	.....		014	152.60	153.60	1.00	0.3	40	1.70	0.04	0.11
			Garnet-Py. diss in argillized Ss	.....		015	153.60	154.60	1.00	0.6	20	0.78	0.05	0.07
157.2			Silicious Silt-Ss, Gn in Qtz. vein	.....		016	154.60	155.70	1.10	1.8	21	1.92	0.00	0.01
157.9			Garnet-Skarn	.....		017	155.70	156.80	1.10	0.4	20	0.97	0.00	0.01
159.5			gray Garnet Skarn	.....		018	156.80	157.50	0.70	0.1	8	0.25	0.00	0.02
162.3			silicious Silt with Gn-Skarn	.....		019	157.50	158.30	0.80	0.3	16	0.60	0.01	0.02
			*162.4m w=5cm, 162.7m w=30cm	.....		020	158.30	159.50	1.20	0.0	4	0.09	0.01	0.01
			163.65m w=25 cm Skarn layer	.....		021	159.50	160.40	0.90	0.1	1	0.10	0.01	0.03
164.6			(w)Silt-P gray Cong	.....		022	160.40	161.40	1.00	0.1	6	0.34	0.00	0.01
			*166.7m 10cm oxidized zone	.....		023	161.40	162.00	0.60	0.2	8	0.34	0.00	0.00
167.0			gray Calcareous Ss	.....		024	162.00	162.30	0.30	0.3	13	0.66	0.00	0.01
168.0			Calcareous Conglomerate	.....		025	162.30	163.30	1.00	0.1	3	0.19	0.00	0.01
170.0			Calcareous Ss	.....		026	163.30	164.60	1.30	0.0	1	0.06	0.01	0.01
			with garnet Skarn	.....		027	169.20	170.00	0.80	0.0	9	0.02	0.05	0.05
			*172.2-172.8m Ont-Skarn	.....		028	170.00	171.20	1.20	0.0	17	0.01	0.05	0.08
			strong oxidized (w)Skarn in	.....		029	171.20	172.10	0.90	0.0	17	0.01	0.02	0.04
			calcareous Ss. Hmt. Azurite	.....		030	172.10	173.10	1.00	0.0	17	0.01	0.01	0.06
			*177.0-177.4(0.4m) Garnet Skarn	.....		031	173.10	174.00	0.90	0.0	29	0.04	0.05	0.07
			in Calcareous Ss	.....		032	174.00	174.80	0.80	0.1	33	0.13	0.08	0.07
			P. gray altered Porphyry	.....		033	174.80	175.65	0.85	0.1	3	0.27	0.00	0.02
			with vein in marginal	.....		034	175.65	176.75	1.10	0.1	30	0.38	0.04	0.12
			*185.8-186.0m Porph oxidized	.....		035	176.75	177.95	1.20	0.0	14	0.09	0.03	0.08
			Cal-Ss with Skarn	.....		036	177.95	178.40	0.45	0.1	6	0.29	0.00	0.03
			*186.0-187.4m(w) Skarn	.....		037	178.40	179.10	0.70	0.1	3	0.10	0.08	0.07
			*187.4-188.3m(0.9m) Skarn oxidized	.....		038	179.10	180.15	1.05	0.0	4	0.01	0.01	0.05
			*188.3-189.1m(w) Skarn oxidized in C	.....		039	186.00	186.80	0.80	0.0	0	0.00	0.01	0.03
			gray Cong > Calcareous Ss.	.....		040	186.80	187.65	0.85	0.0	44	0.05	0.09	0.11
				.....		041	187.65	188.45	0.80	0.1	78	0.18	0.13	0.15
				.....		042	188.45	189.25	0.80	0.2	12	0.83	0.00	0.03
				.....		043	189.25	190.05	0.80	0.1	2	0.11	0.00	0.01
			*194.2-195.2m w=1-5mm calcite < 30° ↓ strong silicified											

~ argillic alteration    \*\* propylitic alteration    .. silicification    ..... skarnization



## MJMI-6-(3)

200m-300m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER.	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
		FMEZCALERA	Gray strong silicified fine Conglomerate											
208.3			*Cp. along fracture											
208.4			strongly fractured zone (fault)											
210			Mainly p. gray Conglomerate. with subangular fragment rich											
220			(gradually) Gray Ss. Rich *220.8m w=2-3cm Cal vein $\angle 20^\circ$ *223.2m w=1cm Cal vein $\angle 30^\circ$ with Gn., Cp.											
224.5			Ss > Cong. Gray											
229.2			Milky colored Tuff (rhyolitic)											
229.6		FMEZCALERA	Gray Cong > Ss (gradually) Ss > Cong											
230														
232.0														
233.5			Gray Cong > Ss, silicified											
240														
244.3			*223.2m w=5mm-1cm Py. (Cp) V. parallel to core Taffacious Cng, Py. vein $\angle 20^\circ$											
249.4			Fine taffacious Cong ~ Ss. with *249.6m w=1cm Cal. with Py. $\triangleright$ (Zn) $\angle 70^\circ$			DG	249.50	250.40	0.90	0.1	5	0.01	0.02	0.09
251.3			Tf/Ss. alt'n			045	251.30	252.20	0.90	0.0	1	0.01	0.00	0.01
252.2		Skarn zone	Garnet Skarn in parallel to bedding $\angle 45-50^\circ$	...		046	252.20	253.20	1.00	0.0	0	0.01	0.00	0.00
253.9		(Calcareous Sed)	(weak) Skarn in Ss/Silt with Py. $\triangleright$ (Cp) $\angle 60^\circ$	...		047	253.20	253.90	0.70	0.0	0	0.02	0.00	0.00
258.4			P. gray sil- Ss. Py. $\triangleright$ (Cp)	...		048	253.90	254.80	0.90	0.0	0	0.03	0.00	0.00
258.9			Garnet Skarn	...		049	254.80	255.80	1.00	0.0	0	0.04	0.00	0.00
260.2		Porphyry	Pink Pl-Hb porph. with garnet Pot	...		050	255.80	256.40	0.60	0.1	0	0.07	0.00	0.00
261.5			Pink fresh Porphyry	...		051	256.40	257.40	1.00	0.0	0	0.04	0.00	0.00
263.15		Skarn zone	Garnet Skarn $\triangleright$ Ss.	...		052	257.40	258.40	1.00	0.1	0	0.07	0.00	0.00
265.2			Silt-Ss. with (w) Skarn	...		053	258.40	258.90	0.50	0.0	0	0.01	0.00	0.00
266.1			P. green Ss. with Skarn lens	...		054	258.90	260.20	1.30	0.0	0	0.00	0.00	0.00
267.2		FMEZCALERA	Fine Cong ~ Ss. alt'n	...		055	260.20	261.50	1.30	0.0	0	0.00	0.00	0.00
268.5			strong silicified by Hornfels Pot.			056	263.15	264.00	0.85	0.0	0	0.00	0.00	0.00
270						057	264.00	265.20	1.20	0.0	0	0.02	0.00	0.00
272.0			Ss > Cong. (graduary)			058	265.20	266.10	0.90	0.1	1	0.14	0.00	0.00
279.0			Mainly Conglomerate			059	266.10	266.40	0.30	0.0	0	0.01	0.00	0.00
281.0			Ss. $\triangleright$ Cong. strong hornfels			060	266.40	267.20	0.80	0.0	0	0.01	0.00	0.00
285.0			(graduary) increase Ss.			DG								
286.5			Strong silicified (H) Ss ~ tuff-Ss with garnet skarn along bedding Pot, Py.			062	286.50	287.50	1.00	0.0	1	0.03	0.00	0.00
290.8		Skarn zone	(graduary) increase Skarn			063	287.50	288.50	1.00	0.0	0	0.02	0.00	0.00
292.1			Garnet-Cal Skarn with Py. $\triangleright$ Pot			064	288.50	289.50	1.00	0.0	2	0.07	0.00	0.01
294.5		(Calcareous Sed)	Mainly Ss. with Skarn lens			065	289.50	290.30	0.80	0.0	3	0.07	0.00	0.00
297.7		Rhyolite	Dacite-Rhyolite intrusive milky gray-white Qtz phenocrysts			066	290.30	291.00	0.70	0.0	2	0.08	0.00	0.00
300						067	291.00	292.00	1.00	0.1	2	0.12	0.00	0.02
						068	292.00	293.10	1.10	0.0	2	0.11	0.00	0.01
						069	293.10	294.50	1.40	0.0	1	0.11	0.00	0.00
						070	294.50	295.10	0.60	0.1	2	0.12	0.00	0.01
						071	295.10	296.10	1.00	0.0	2	0.07	0.00	0.01
						072	296.10	297.10	1.00	0.0	1	0.04	0.01	0.02
						073	297.10	298.10	1.00	0.0	0	0.00	0.00	0.00

~ argillite alteration

\*\* propilite alteration

\*\* silicification

... skarnization

(1/3)

MJMI-7-(1)

0m-100m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/l)	Ag (g/l)	Cu (%)	Pb (%)	Zn (%)
0		Debris												
10			Debris from rhyolite dome											
20		Soil	Reddish gray soil											
51.8		Ss/Ms alternation (F MEZCALERA)	D gray-black Ms > Ss alt'n with segregation Qtz. lens graduary Ms. rich											
84.0			Black Ms. with Ss.											
100.0														

-- argillic alteration    \*\* propylitic alteration    .. silicification

Fig.II-2-14 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-7

MJMI-3-(2)

100m-200m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTER	No	FROM (m)	TG (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
100.6			strong fractured (fault)											
102.3		EMEZCALERA (Conglomerate)	Gray Conglomerate											
119.0		mainly Ss	Ms > Ss											
129.1			Gray siliceous Ss.		***									
134.9		mainly Ms (F MEZCALERA)	Black Ms. with milky acidic Tuff		***									
144.1														
146.8		Acidic Tf (F MEZCALERA)	(w)altered Acidic Tf > Ms.											
			(gradual) increase Tf part with Porph. fragments											
					altered									
164.3		Monzonitic Porphyry	P gray altered Monzonitic Porphyry											
171.1		Porphyry? (fractuated)	P gray Taffacious rock fractured after altered Porphyry with Cal-nets											
186.5		Mpzonite Porphyry	strong altered Porphyry											
190.8			p gray, strongly altered Porphyry fractured (taffacious)											
193.9			altered Porphyry, specularite diss.											

~ argillic alteration    \*\* propylitic alteration    \*\* sulfidation

(3/3)

MJMI-7-(3)

200m-300m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER	ALTR	Ns	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
210		Monzonite Porphyry												
216.8			P. gr-grn-gr. altered Porphyry											
220														
225.9			*225.9m w=2cm Calcite with frags vein $\angle 70^\circ$											
226.2			*226.2m w=2cm Py conc vein $\angle 80^\circ$											
229.5			*229.5m w=3cm fragments vein $\angle 50^\circ$											
229.6			P-dp green massive Porph.											
230														
239.5			fractured and oxidized zone with many calcite V.											
241.5			P gray-greenish gray altered Porph.											
250														
254.0			gradually fractured with strong alt'n *255.5-258.3m Clay			DH 001	254.60	255.70	1.10	0.0	1	0.00	0.01	0.13
258.3			oxidized			002	258.00	259.30	1.30	0.0	1	0.00	0.01	0.10
260.0			Strong fractured like lithic Tf. (close to the boundary of intrusion)			003	259.30	260.40	1.10	0.0	<0.2	0.00	0.00	0.10
260.0						004	260.40	261.50	1.10	0.1	1	0.00	0.01	0.05
						005	261.50	262.50	1.00	0.0	1	0.00	0.01	0.06
						006	262.50	263.50	1.00	0.1	1	0.00	0.01	0.04
						007	263.50	264.50	1.00	0.0	1	0.00	0.01	0.03
			oxidized			008	264.50	265.50	1.00	0.0	1	0.00	0.01	0.06
						009	265.50	266.30	0.80	0.0	<0.2	0.00	0.00	0.07
						010	266.30	267.30	1.00	0.1	8	0.00	0.16	0.29
						011	267.30	268.30	1.00	0.0	2	0.00	0.06	0.14
						012	268.30	269.30	1.00	0.1	2	0.00	0.13	0.10
						013	269.30	270.30	1.00	0.0	2	0.00	0.01	0.05
						014	270.30	271.30	1.00	0.0	1	0.00	0.01	0.03
						015	271.30	272.30	1.00	0.0	1	0.00	0.02	0.05
						016	272.30	273.30	1.00	0.0	1	0.00	0.01	0.02
						017	273.30	274.30	1.00	0.0	0	0.00	0.01	0.05
						018	274.30	275.30	1.00	0.0	1	0.00	0.06	0.20
						019	275.30	276.30	1.00	0.0	2	0.00	0.01	0.05
						020	276.30	277.30	1.00	0.0	3	0.00	0.01	0.05
			Strongly oxidized Porph (fractured) with Qtz. Veinlets			021	277.30	278.30	1.00	0.1	5	0.00	0.02	0.08
						022	278.30	279.30	1.00	0.1	4	0.00	0.02	0.15
						023	279.30	280.30	1.00	0.1	14	0.00	0.03	0.17
			stock work zone			024	280.30	281.30	1.00	0.3	9	0.00	0.01	0.15
			P. green weak altered Porph.			025	281.30	282.30	1.00	0.4	25	0.00	0.03	0.15
						026	282.30	283.30	1.00	0.0	4	0.00	0.01	0.14
						027	283.30	284.80	1.50	0.0	2	0.00	0.02	0.13
						028	284.80	286.30	1.50	0.2	10	0.00	0.04	0.10
			Fractured and oxidized Porph.											
			Strong oxidized Porph with Qtz.-veinlet Hmt Py.			029	294.20	295.20	1.00	0.2	41	0.00	0.08	0.12
						030	295.20	296.20	1.00	0.1	10	0.00	0.07	0.11
			Strong sil-v. with Gn Sph.			031	296.20	297.65	1.45	0.2	38	0.00	0.08	0.25
			$\angle 80^\circ$			032	297.65	298.60	0.95	0.4	422	0.00	0.53	0.38
298.60		Rhyolite	White rhyolite (dyke)											

~ argillite alteration

\*\* propylitic alteration

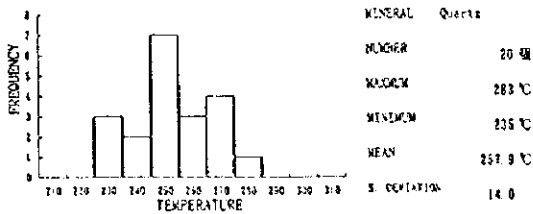
\*\* sification

Homogenization Temperature and the Histogram

Sample No. F-1

No.	Mineral	Size (μm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp (°C)	NaCl Wt (%)
1	Quartz	35.0	17	irr	272	-0.8	0.35
2	Quartz	12.5	11	irr	268	-0.4	0.21
3	Quartz	22.5	15	po	278	-1.1	1.91
4	Quartz	17.5	15	po	273	-0.4	0.21
5	Quartz	12.5	10	po	235	-0.1	0.18
6	Quartz	7.5	11	po	238	-	-
7	Quartz	5.0	12	eg	251	-	-
8	Quartz	12.5	12	po	241	-0.4	0.21
9	Quartz	10.0	12	po	283	-0.2	0.35
10	Quartz	10.0	10	po	259	-0.4	0.21
11	Quartz	7.5	10	po	253	-	-
12	Quartz	12.5	12	irr	246	-0.4	0.21
13	Quartz	27.5	13	irr	255	-0.9	1.52
14	Quartz	22.5	12	irr	251	-0.9	1.52
15	Quartz	12.5	12	sq	279	-1.1	1.91
16	Quartz	10.0	12	po	255	-0.5	0.88
17	Quartz	5.0	10	po	255	-	-
18	Quartz	5.0	10	po	251	-	-
19	Quartz	17.5	12	irr	256	-0.2	0.35
20	Quartz	5.0	10	eg	238	-	-
							0.90

eg: egg irr: irregular po: polymorph sq: square tr: triangular tu: tubu wg: wedge

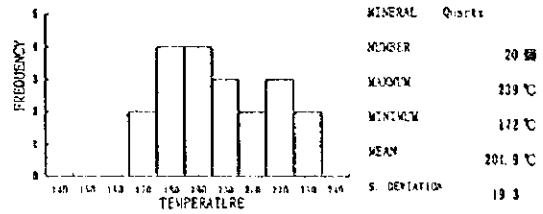


Homogenization Temperature and the Histogram

Sample No. F-2

No.	Mineral	Size (μm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp (°C)	NaCl Wt (%)
1	Calcite	12.5	10	irr	218	-0.8	1.40
2	Calcite	7.5	12	po	239	-0.9	1.52
3	Calcite	7.5	10	po	203	-0.9	1.52
4	Calcite	10.0	7	tu	176	-1.1	1.91
5	Calcite	7.5	7	eg	182	-0.9	1.52
6	Calcite	7.5	7	po	223	-0.9	1.52
7	Calcite	12.5	10	irr	191	-0.9	1.52
8	Calcite	7.5	7	irr	192	-0.8	1.40
9	Calcite	10.0	12	sq	222	-1.0	1.74
10	Calcite	12.5	7	irr	172	-1.1	1.91
11	Calcite	7.5	10	po	292	-0.8	1.40
12	Calcite	7.5	10	po	193	-0.8	1.40
13	Calcite	5.0	7	eg	183	-	-
14	Calcite	5.0	5	eg	181	-	-
15	Calcite	10.0	12	po	231	-1.1	1.91
16	Calcite	10.0	10	sq	223	-1.2	2.07
17	Calcite	7.5	10	po	217	-0.9	1.52
18	Calcite	7.5	7	po	205	-0.8	1.40
19	Calcite	5.0	7	eg	183	-	-
20	Calcite	5.0	7	eg	189	-	-
							0.62

eg: egg irr: irregular po: polymorph sq: square tr: triangular tu: tubu wg: wedge

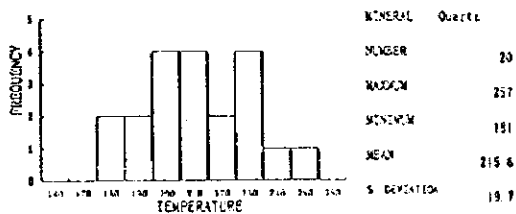


Homogenization Temperature and the Histogram

Sample No. F-4

No.	Mineral	Size (μm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp (°C)	NaCl Wt (%)
1	Quartz	12.5	13	irr	204	0.0	0.00
2	Quartz	7.5	10	po	181	0.0	0.00
3	Quartz	15.0	12	irr	224	-0.1	0.18
4	Quartz	22.5	12	irr	257	0.0	0.00
5	Quartz	7.5	10	po	232	0.0	0.00
6	Quartz	10.0	10	irr	206	0.0	0.00
7	Quartz	10.0	12	irr	247	0.0	0.00
8	Quartz	12.5	12	irr	232	0.0	0.00
9	Quartz	7.5	10	po	184	0.0	0.00
10	Quartz	5.0	10	po	204	-	-
11	Quartz	5.0	7	irr	190	-	-
12	Quartz	5.0	10	irr	199	-	-
13	Quartz	7.5	12	irr	211	0.0	0.00
14	Quartz	12.5	13	irr	231	0.0	0.00
15	Quartz	10.0	12	po	227	0.0	0.00
16	Quartz	10.0	12	irr	223	-0.1	0.18
17	Quartz	5.0	13	po	275	-	-
18	Quartz	5.0	12	po	213	-	-
19	Quartz	17.5	10	irr	217	0.0	0.00
20	Quartz	5.0	10	po	213	-	-
							0.03

eg: egg irr: irregular po: polymorph sq: square tr: triangular tu: tubu wg: wedge



Homogenization Temperature and the Histogram

Sample No. F-5

No.	Mineral	Size (μm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp (°C)	NaCl Wt (%)
1	Quartz	20.0	20	irr	312	0.0	0.00
2	Quartz	25.0	17	irr	283	-	-
3	Quartz	5.0	17	eg	321	-	-
4	Quartz	32.5	12	po	327	0.0	0.00
5	Quartz	30.0	25	irr	347	0.0	0.00
6	Quartz	5.0	17	po	319	-	-
7	Quartz	7.5	15	po	324	-	-
8	Quartz	5.0	15	po	324	0.0	0.00
9	Quartz	10.0	12	eg	313	-0.1	0.18
10	Quartz	5.0	15	po	324	-	-
11	Quartz	7.5	20	po	292	0.0	0.00
12	Quartz	7.5	15	po	317	0.0	0.00
13	Quartz	5.0	10	po	302	-	-
14	Quartz	35.0	20	irr	329	0.0	0.00
15	Quartz	7.5	15	po	309	0.0	0.00
16	Quartz	7.5	13	po	283	0.0	0.00
17	Quartz	5.0	10	po	291	-	-
18	Quartz	5.0	10	sq	330	-	-
19	Quartz	5.0	12	po	302	-	-
20	Quartz	< 2.5	7	eg	331	-	-
							0.02

eg: egg irr: irregular po: polymorph sq: square tr: triangular tu: tubu wg: wedge

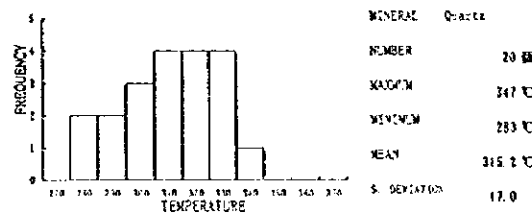


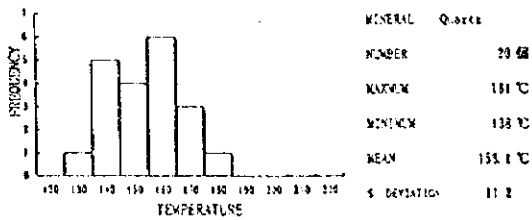
Fig. II-2-15 HISTOGRAMA DE LA TEMPERATURA DE INCLUSION FLUIDA

Homogenization Temperature and the Histogram

Sample No. P-6

No.	Mineral	Size (mm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp. (°C)	KaCl wt. (%)
1	Calcite	25.0	10	po	155	-1.9	3.23
2	Calcite	17.5	10	po	162	-2.1	3.55
3	Calcite	30.0	10	irr	154	-1.9	3.23
4	Calcite	17.5	7	irr	138	-1.9	3.23
5	Calcite	10.0	10	po	143	-1.3	2.74
6	Calcite	5.0	7	po	144	-	-
7	Calcite	5.0	5	po	147	-	-
8	Calcite	17.5	12	irr	173	-2.4	4.03
9	Calcite	15.0	10	irr	171	-2.2	3.71
10	Calcite	5.0	10	po	155	-	-
11	Calcite	5.0	10	po	160	-	-
12	Calcite	5.0	12	sq	181	-	-
13	Calcite	31.5	7	ir	167	-2.1	3.55
14	Calcite	30.0	10	ir	170	-1.9	3.23
15	Calcite	5.0	10	po	182	-	-
16	Calcite	5.0	7	po	181	-	-
17	Calcite	7.5	10	po	163	-2.3	3.81
18	Calcite	5.0	7	po	144	-	-
19	Calcite	17.5	12	irr	168	-2.6	4.18
20	Calcite	12.5	10	irr	147	-2.3	3.87
							3.49

eg: egg irr: irregular po: polymorph sq: square tr: triangle tu: tube wg: wedge

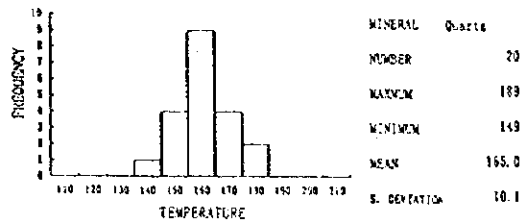


Homogenization Temperature and the Histogram

Sample No. P-7

No.	Mineral	Size (mm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp. (°C)	KaCl wt. (%)
1	Calcite	15.0	10	po	189	-12.6	17.43
2	Calcite	7.5	7	sq	171	-14.0	17.79
3	Calcite	27.5	10	irr	153	-12.2	16.15
4	Calcite	22.5	10	po	161	-12.1	16.93
5	Calcite	5.0	10	po	165	-	-
6	Calcite	5.0	10	po	163	-	-
7	Calcite	27.5	7	irr	152	-15.9	19.37
8	Calcite	17.5	7	irr	167	-15.7	19.21
9	Calcite	12.5	10	po	161	-12.6	16.53
10	Calcite	10.0	12	po	172	-13.4	17.26
11	Calcite	7.5	10	po	174	-	-
12	Calcite	30.0	10	irr	158	-10.9	14.87
13	Calcite	25.0	7	irr	149	-10.0	13.94
14	Calcite	32.5	10	irr	155	-11.8	15.57
15	Calcite	12.5	12	po	182	-10.8	14.72
16	Calcite	10.0	10	po	177	-10.9	19.68
17	Calcite	5.0	10	po	165	-	-
18	Calcite	17.5	12	irr	160	-13.8	12.61
19	Calcite	22.5	7	irr	161	-11.4	15.37
20	Calcite	5.0	10	sq	162	-	-
							16.84

eg: egg irr: irregular po: polymorph sq: square tr: triangle tu: tube wg: wedge

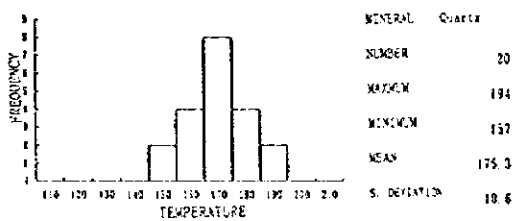


Homogenization Temperature and the Histogram

Sample No. P-8

No.	Mineral	Size (mm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp. (°C)	KaCl wt. (%)
1	Quartz	25.0	10	po	173	-0.1	0.18
2	Quartz	27.5	10	po	172	0.0	0.00
3	Quartz	15.0	10	tr	187	-0.4	0.71
4	Quartz	12.5	7	irr	168	-0.4	0.71
5	Quartz	15.0	10	irr	158	-0.5	0.88
6	Quartz	17.5	12	po	194	-0.5	0.88
7	Quartz	12.5	7	tr	169	-0.2	0.18
8	Quartz	22.5	10	irr	172	-0.4	0.71
9	Quartz	27.5	7	irr	174	-0.5	0.85
10	Quartz	12.5	7	irr	172	-0.4	0.71
11	Quartz	10.0	10	po	182	-0.1	0.18
12	Quartz	7.5	10	po	187	-0.1	0.18
13	Quartz	5.0	7	po	174	-	-
14	Quartz	5.0	10	po	183	-	-
15	Quartz	27.5	10	irr	162	-0.5	0.82
16	Quartz	22.5	12	irr	174	-0.4	0.71
17	Quartz	20.0	10	irr	159	-0.5	0.88
18	Quartz	7.5	12	po	193	-0.2	0.35
19	Quartz	5.0	10	po	179	-	-
20	Quartz	12.5	7	po	157	-0.3	0.53
							0.56

eg: egg irr: irregular po: polymorph sq: square tr: triangle tu: tube wg: wedge

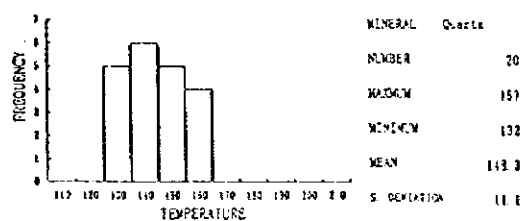


Homogenization Temperature and the Histogram

Sample No. P-9

No.	Mineral	Size (mm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp. (°C)	KaCl wt. (%)
1	Quartz	45.0	15	irr	154	0.0	0.00
2	Quartz	5.0	7	po	143	-	-
3	Quartz	12.5	10	irr	133	0.0	0.00
4	Quartz	10.0	7	po	151	0.0	0.00
5	Quartz	5.0	7	po	147	-	-
6	Quartz	5.0	5	po	137	-	-
7	Quartz	17.5	5	irr	132	0.0	0.00
8	Quartz	5.0	7	po	152	-	-
9	Quartz	10.0	7	irr	141	0.0	0.00
10	Quartz	5.0	10	sq	167	-	-
11	Quartz	5.0	7	po	139	-	-
12	Quartz	< 2.5	3	eg	142	-	-
13	Quartz	7.5	7	po	163	-0.1	0.18
14	Quartz	7.5	7	po	152	0.0	0.00
15	Quartz	5.0	7	po	166	-	-
16	Quartz	5.0	5	po	135	-	-
17	Quartz	12.5	12	irr	153	0.0	0.00
18	Quartz	5.0	10	po	167	-	-
19	Quartz	7.5	7	irr	153	0.0	0.00
20	Quartz	5.0	5	po	144	-	-
							0.02

eg: egg irr: irregular po: polymorph sq: square tr: triangle tu: tube wg: wedge

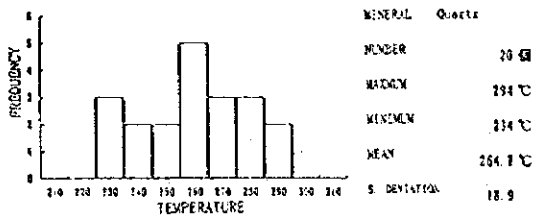


Homogenization Temperature and the Histogram

Sample No. F-10

No.	Mineral	Size (mm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp (°C)	NaCl Wt. (%)
1	Quartz	17.5	10	irr	278	-2.2	5.14
2	Quartz	5.0	12	po	263	-1.9	3.23
3	Quartz	12.5	15	po	264	—	—
4	Quartz	25.0	15	irr	253	-8.8	12.62
5	Quartz	10.0	20	irr	234	-7.9	11.58
6	Quartz	7.5	17	po	287	-2.1	3.55
7	Quartz	5.0	12	po	242	-1.9	2.23
8	Quartz	5.0	10	po	255	—	—
9	Quartz	5.0	10	eg	234	—	—
10	Quartz	5.0	12	eg	258	—	—
11	Quartz	5.0	12	eg	268	—	—
12	Quartz	17.5	17	irr	285	-1.8	3.06
13	Quartz	10.0	15	irr	288	-4.5	2.57
14	Quartz	5.0	12	eg	272	—	—
15	Quartz	5.0	10	eg	264	—	—
16	Quartz	12.5	17	irr	266	-2.5	4.30
17	Quartz	10.0	15	po	277	-8.2	11.93
18	Quartz	5.0	12	po	243	—	—
19	Quartz	5.0	15	po	272	—	—
20	Quartz	5.0	13	po	255	—	—
							6.18

eg: egg irr: irregular po: polymorph sq: square tr: triangle tu: tube vg: wedge

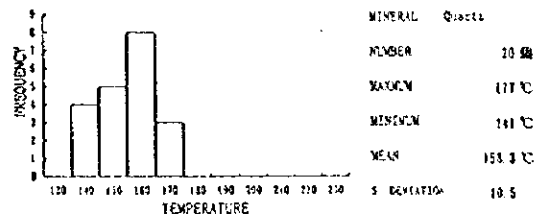


Homogenization Temperature and the Histogram

Sample No. F-11

No.	Mineral	Size (mm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp (°C)	NaCl Wt. (%)
1	Quartz	15.0	10	po	166	-0.9	1.57
2	Quartz	15.0	7	po	162	-1.0	1.74
3	Quartz	15.0	7	po	155	-0.6	1.05
4	Quartz	2.5	10	po	173	-1.1	1.91
5	Quartz	5.0	7	eg	166	—	—
6	Quartz	5.0	5	eg	151	—	—
7	Quartz	12.5	10	irr	182	-1.6	2.74
8	Quartz	10.0	10	irr	182	-1.4	2.41
9	Quartz	10.0	2	irr	141	-2.5	2.57
10	Quartz	5.0	5	po	163	—	—
11	Quartz	5.0	3	eg	152	—	—
12	Quartz	17.5	5	tu	144	-0.9	1.52
13	Quartz	15.0	7	irr	160	-1.0	1.74
14	Quartz	5.0	7	po	168	—	—
15	Quartz	5.0	5	po	165	—	—
16	Quartz	12.5	10	po	182	-0.9	1.57
17	Quartz	10.0	10	po	172	-1.2	2.07
18	Quartz	5.0	7	po	163	—	—
19	Quartz	5.0	5	po	152	—	—
20	Quartz	5.0	3	po	144	—	—
							1.90

eg: egg irr: irregular po: polymorph sq: square tr: triangle tu: tube vg: wedge

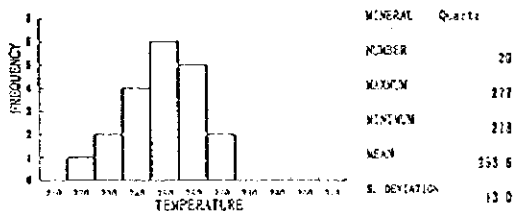


Homogenization Temperature and the Histogram

Sample No. F-12

No.	Mineral	Size (mm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp (°C)	NaCl Wt. (%)
1	Quartz	37.5	17	irr	287	0.0	0.00
2	Quartz	12.5	10	irr	254	-0.1	0.10
3	Quartz	5.0	7	po	269	—	—
4	Quartz	5.0	7	po	252	—	—
5	Quartz	2.5	5	po	240	—	—
6	Quartz	22.5	12	irr	251	0.0	0.00
7	Quartz	12.5	10	irr	255	0.0	0.00
8	Quartz	30.0	15	irr	259	0.0	0.00
9	Quartz	12.5	10	irr	232	-0.1	0.13
10	Quartz	5.0	5	po	249	—	—
11	Quartz	5.0	5	po	260	—	—
12	Quartz	5.0	3	po	227	—	—
13	Quartz	12.5	12	eg	273	0.0	0.00
14	Quartz	5.0	7	po	249	—	—
15	Quartz	5.0	5	po	228	—	—
16	Quartz	22.5	15	irr	277	0.0	0.00
17	Quartz	20.0	12	irr	241	-0.1	0.12
18	Quartz	12.5	10	irr	255	-0.2	0.35
19	Quartz	5.0	10	po	261	—	—
20	Quartz	5.0	5	po	252	—	—
							0.09

eg: egg irr: irregular po: polymorph sq: square tr: triangle tu: tube vg: wedge

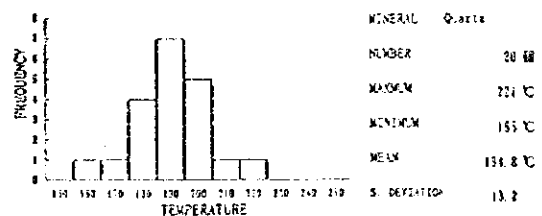


Homogenization Temperature and the Histogram

Sample No. F-13

No.	Mineral	Size (mm)	Volume ratio (%)	Form	Temperature (°C)	Melting Temp (°C)	NaCl Wt. (%)
1	Quartz	15.0	10	irr	195	-10.3	14.25
2	Quartz	12.5	10	po	192	-10.8	14.77
3	Quartz	10.0	10	po	195	-9.3	13.18
4	Quartz	5.0	7	po	165	—	—
5	Quartz	5.0	5	po	173	—	—
6	Quartz	5.0	7	po	162	—	—
7	Quartz	7.5	10	po	208	-10.1	16.64
8	Quartz	12.5	12	po	221	-8.8	12.62
9	Quartz	12.5	10	sq	212	-10.1	16.64
10	Quartz	10.0	10	po	202	-8.8	12.62
11	Quartz	5.0	7	po	182	—	—
12	Quartz	5.0	10	po	183	—	—
13	Quartz	12.5	12	po	208	-8.8	12.62
14	Quartz	10.0	10	po	192	-8.4	12.15
15	Quartz	10.0	10	po	192	-8.5	12.24
16	Quartz	22.5	13	po	204	-10.0	14.77
17	Quartz	20.0	10	irr	182	-10.2	14.15
18	Quartz	20.0	10	po	194	-10.4	14.36
19	Quartz	12.5	12	po	207	-9.3	13.18
20	Quartz	5.0	10	po	158	—	—
							12.50

eg: egg irr: irregular po: polymorph sq: square tr: triangle tu: tube vg: wedge



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Tab.II-2-6 LISTA DEL RESULTADO DEL ANALISIS DEL MUESTRA

## Area REGIONAL (Tepalcatepec, Ahuijullo, Edo. Michoacan)

SAMPLE	Au ppb	Ag ppm	As ppm	Cu %	Fe %	Hg ppb	Pb %	Sb ppm	Zn %	BaSO1 %calc.
CI-001	<5	82.2	91	<0.01	2.52	1670	0.02	5.2	<0.01	71.37
CI-002	<5	45.2	230	0.14	2.87	5570	0.08	22	33.2	49.16
CI-003	<5	82.2	1755	0.02	13.60	12740	2.37	28	11.50	46.82
CI-004	<5	97	889	0.01	28.9	2660	1.27	20	2.38	not/ss
CI-005	<5	581	245	0.39	2.77	62900	0.04	560	0.20	25.49
CI-006	<70	>3500	2040	3.31	1.01	>100000	0.01	>1000	0.32	not/ss
CI-007	<5	336	101	0.02	0.77	34900	37.1	91	0.03	1.46
CI-008	<5	20.8	372	0.01	42.9	24200	0.68	44	0.02	0.20
CI-009	<5	1.0	14	<0.01	2.01	650	0.03	3.2	<0.01	63.61
CI-010	<5	1.4	17	<0.01	0.84	310	0.09	4.2	<0.01	75.62
CI-011	10	63.4	124	<0.01	0.46	3180	0.01	22	0.02	77.88

## Area INMACULADA (outcrops)

SAMPLE	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppb	Pb %	Sb ppm	Zn ppm
CB-001	<5	0.2	2	4	0.40	<10	6	0.6	7
CB-002	<5	<0.2	<1	3	0.20	50	6	0.8	1
CB-003	<5	0.2	1	9	0.45	10	6	4.2	3
CB-004	<5	<0.2	<1	3	0.20	20	6	0.4	11
CB-005	<5	<0.2	<1	3	0.35	<10	10	0.6	13
CB-006	<5	<0.2	<1	1	0.30	30	8	0.2	20

## Area INDE UNO (outcrop)

SAMPLE	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppb	Pb ppm	Sb ppm	Zn ppm	%
DJ-001	<5	21.2	159	62	1.7	17500	1205	31	9010	5
DJ-002	30	24.4	2660	32	1.8	760	1630	200	865	2
DJ-003	400	1.4	216	2540	10	510	15	2.8	77	55
DJ-004	27290	5	253	1955	>20.0	440	20	2.8	31	<2
DJ-005	2730	2.6	574	5540	>20.0	520	26	44	101	<2
DJ-006	2040	0.6	281	1495	16.5	300	15	6	41	70



## MJMI-1, MJMI-2

SAMPLE	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppb	Pb ppm	Sb ppm	Zn ppm
DI-001	65	5	5	65	1.60	10	85	1	121
DI-002	<5	3	3	198	2.80	<10	82	<0.2	437
DI-003	<5	1	1	6	3.50	<10	16	<0.2	98
DI-004	<5	4	4	32	3.40	10	8	<0.2	73
DI-005	5	1	<1	28	6.20	10	14	<0.2	127
DI-006	<5	<0.2	<1	25	3.40	<10	13	0.4	102
DI-007	<5	0.2	<1	86	5.70	<10	20	<0.2	147
DI-008	<5	1.2	<1	1275	8.30	<10	13	0.2	135
DI-009	75	2.4	<1	228	2.55	<10	40	0.2	46
DI-010	135	0.4	<1	501	5.05	40	11	0.2	84
DI-011	145	1.0	11	896	10.00	30	12	<0.2	157
DI-012	<5	0.8	<1	1730	5.15	<10	8	<0.2	124
DI-013	<5	2.2	1	3600	4.25	<10	12	8.6	97

## MJMI-3

SAMPLE	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppb	Pb ppm	Sb ppm	Zn ppm
DD-001	15	0.6	123	16	1.35	380	85	22	211
DD-002	10	0.8	109	15	1.05	120	130	8.2	202
DD-003	15	1.6	328	28	3.50	190	134	20	396
DD-004	<5	<0.2	39	9	0.60	10	11	1.8	12
DD-005	<5	0.2	39	10	0.55	230	68	7.0	95
DD-006	<5	0.4	88	12	1.20	380	31	9.2	166
DD-007	<5	0.2	15	9	0.45	30	11	2.2	40
DD-008	<5	<0.2	7	7	0.30	<10	6	1.0	7
DD-009	<5	0.2	21	8	0.30	160	25	2.4	33
DD-010	5	0.6	26	9	0.60	400	28	3.8	95
DD-011	<5	0.6	19	6	0.45	180	38	4.2	42
DD-012	5	0.8	25	5	0.80	210	21	3.6	86
DD-013	<5	0.6	9	1	3.10	50	20	4.6	86
DD-014	10	0.8	34	11	1	450	13	5.8	214
DD-015	5	0.8	45	134	3.2	600	5	38	79
DD-016	150	2.2	167	14	2.2	110	59	14	300
DD-017	170	5.6	1485	320	5.55	9480	1385	46	255000
DD-018	25	0.2	59	20	5	250	24	8.6	1155
DD-019	165	30.6	3860	1400	14.2	260	1825	830	3730
DD-020	365	55.6	7780	5200	8.5	280	418	450	11000
DD-021	350	11.2	6120	70	6.2	60	1650	910	881
DD-022	185	9.8	1325	160	13.8	490	734	64	30600

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## MJMI-4

SAMPLE	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppb	Pb ppm	Sb ppm	Zn ppm
DE-001	<5	1	111	16	1.55	740	29	12	1040
DE-002	15	1.6	166	32	1.8	1330	146	22	1940
DE-003	40	4	502	34	3.1	1390	1320	35	1320
DE-004	20	2	51	20	1.3	210	68	13.5	329
DE-005	<5	<.2	130	21	1	140	18	9.2	322
DE-006	<5	<.2	93	14	0.9	430	10	7.2	206
DE-007	<5	0.4	336	30	1.9	80	24	5.8	113
DE-008	80	15.4	>10000	170	4.7	60	255	38	404
DE-009	25	4.6	3440	174	3.6	70	294	14	1175
DE-010	<5	1.8	526	100	3.9	30	90	12	133
DE-011	20	3.2	1645	166	5.65	30	183	19	339
DE-012	435	33.6	>10000	760	18.2	60	694	120	192
DE-013	680	83.8	>10000	164	16.2	270	2750	310	1775
DE-014	145	43.2	>10000	200	6.25	40	390	130	251
DE-015	870	45.4	>10000	460	10.5	330	15200	136	15000
DE-016	480	26.2	>10000	68	7.95	10	266	106	88
DE-017	20	2.4	1120	118	3.5	30	95	22	872
DE-018	<5	0.8	41	38	2.90	10	53	11.5	231

## MJMI-5

SAMPLE	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppb	Pb ppm	Sb ppm	Zn ppm
DF-001	355	7	2330	180	7.6	80	52	38	23
DF-002	575	14.8	1440	42	4.6	400	2630	30	5990
DF-003	700	190	2170	270	10.1	690	29200	270	380
DF-004	1615	37.2	>10000	120	9.6	40	381	100	177
DF-005	4760	274	1780	2200	14.8	330	32400	210	818
DF-006	125	19.2	4960	80	2.1	160	176	134	88
DF-007	1955	61.2	>10000	1935	17.4	710	11700	>1000	1975
DF-008	185	28	1410	862	6.7	3700	2840	44	53400
DF-009	30	1	165	26	5.1	110	190	15	653
DF-010	150	1.8	5230	13	6.9	690	127	154	108
DF-011	95	4.2	501	20	12.4	30	597	18	298
DF-012	55	3.8	225	104	5.9	1130	2620	9.8	3720
DF-013	40	3.4	209	39	5.1	390	409	9.6	1930
DF-014	365	4	804	26	9.1	70	211	11.5	419
DF-015	80	32.4	331	81	5	130	1045	40	142
DF-016	90	3.2	263	29	4.4	40	182	9	198

## MJMI-6

SAMPLE	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppb	Pb ppm	Sb ppm	Zn ppm	W ppm
DG-001	5	0.6	41	5	0.30	10	69	2.6	63	
DG-002	15	44.4	967	31	5.00	710	584	115	543	
DG-003	10	13.4	339	16	4.10	380	211	26	536	
DG-004	15	6.8	217	14	2.20	40	168	14.0	361	
DG-005	25	28.2	562	25	1.60	240	950	19.0	836	
DG-006	40	0.6	87	3	1.00	30	22	10.5	157	
DG-007	40	3.0	274	9	3.60	220	77	9.8	399	
DG-008	15	<0.2	17	11	1.70	<10	9	1.0	37	
DG-009	20	0.4	22	19	1.90	<10	23	1.6	24	
DG-010	<5	<0.2	27	17	1.60	10	4	1.4	23	
DG-011	15	0.2	3	271	2.40	40	9	3.6	29	4
DG-012	130	8.0	228	3760	13.80	60	13	5.6	150	<2
DG-013	330	25.6	1535	20000	12.00	530	269	88	948	<2
DG-014	310	40.2	568	17000	11.80	890	363	46	1140	<2
DG-015	615	20.0	847	7840	11.20	270	526	53	711	2
DG-016	1745	21.4	204	19200	10.00	130	19	4.8	146	<2
DG-017	385	19.8	429	9680	11.60	100	7	9.8	134	4
DG-018	100	8.2	426	2520	8.30	180	12	14.5	198	9
DG-019	315	16.0	389	6010	9.00	350	84	16.5	204	16
DG-020	30	3.6	75	911	1.90	80	67	3.6	145	2
DG-021	50	1.4	685	976	13.40	40	65	29	329	22
DG-022	90	5.8	133	3390	11.40	40	6	7.2	72	<2
DG-023	160	8.4	34	5380	11.00	40	2	1.6	33	<2
DG-024	275	12.8	116	6630	12.60	60	20	6.8	57	<2
DG-025	80	3.2	24	1925	9.20	10	7	1.2	70	<2
DG-026	30	0.8	154	566	7.70	120	83	9.2	106	17
DG-027	25	9.4	131	156	1.90	140	487	32	476	7
DG-028	25	17.2	521	50	2.15	820	529	35	771	8
DG-029	10	17.4	72	52	1.00	410	244	17.0	419	15
DG-030	20	16.8	131	83	1.30	780	122	14.0	556	7
DG-031	25	29.4	332	395	2.80	850	475	21	713	9
DG-032	105	32.6	945	1290	9.10	2000	787	52	676	14
DG-033	75	3.0	31	2670	8.00	10	11	0.2	175	6
DG-034	50	29.6	1210	3810	7.50	1920	387	69	1220	<2
DG-035	45	14.4	891	896	6.50	640	310	35	774	26
DG-036	65	6.4	70	2920	9.10	30	19	2.6	255	17
DG-037	75	3.4	377	961	4.60	640	759	29	672	16
DG-038	<5	4.0	157	100	1.30	310	141	7.6	492	41
DG-039	<5	0.2	88	35	2.50	140	80	2.6	251	4
DG-040	15	43.6	3140	476	14.50	2760	893	140	1085	4
DG-041	90	78.0	1695	1755	20.0	2890	1260	140	1545	<2
DG-042	235	11.6	231	8290	20.0	200	42	16.5	337	<2
DG-043	50	1.8	217	1130	4.40	90	27	6.0	131	3
DG-044	100	5.0	2480	90	1.80	600	207	100	871	2
DG-045	15	1.2	26	144	2.80	40	39	3.4	73	8
DG-046	20	0.2	10	50	9.60	10	11	0.2	26	42
DG-047	20	<0.2	20	229	9.70	50	10	0.8	28	47
DG-048	25	0.2	9	341	5.25	540	14	1.4	33	25
DG-049	40	<0.2	5	423	7.15	180	12	0.2	23	22
DG-050	75	0.2	5	664	7.75	690	10	<0.2	23	15
DG-051	35	0.2	4	449	4.80	190	11	1.0	26	7
DG-052	70	0.4	1	736	6.70	100	10	<0.2	26	17
DG-053	15	<0.2	11	122	3.30	300	27	0.8	43	4
DG-054	15	<0.2	1	31	7.60	130	10	0.2	27	21

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DG-055	<5	<0.2	5	9	1.10	700	10	0.4	14	<2
DG-056	10	<0.2	12	41	7.20	140	7	0.8	31	26
DG-057	25	<0.2	2	166	6.40	310	6	0.4	36	17
DG-058	115	0.8	8	1370	5.80	240	6	0.6	39	9
DG-059	30	<0.2	<1	142	9.80	90	6	0.4	31	10
DG-060	10	<0.2	2	130	1.45	40	3	0.2	23	4
DG-061	20	<0.2	7	66	4.30	<10	9	4.8	25	4
DG-062	35	1.4	341	293	7.45	100	32	26	35	5
DG-063	20	0.2	87	154	2.50	20	13	12.0	40	4
DG-064	25	1.8	172	738	9.95	60	38	54	66	3
DG-065	20	2.8	218	715	5.80	40	21	145	38	8
DG-066	40	2.4	295	805	10.00	60	17	55	36	4
DG-067	65	2.2	248	1215	7.40	110	25	42	168	7
DG-068	15	2.4	221	1075	7.60	50	41	36	52	6
DG-069	45	1.4	35	1110	>20.0	<10	19	2.8	49	48
DG-070	55	1.6	403	1180	9.70	80	18	77	63	25
DG-071	25	1.6	174	693	5.85	30	48	62	73	3
DG-072	35	0.8	38	402	3.40	130	95	39	211	6
DG-073	<5	<0.2	6	27	0.25	<10	5	0.8	8	3

MJMI-7

SAMPLE	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppb	Pb ppm	Sb ppm	Zn ppm
DH-001	25	0.6	74	4	3.20	220	90	8.0	1300
DH-002	30	0.6	431	6	3.00	3240	84	66	1000
DH-003	20	<0.2	268	2	2.40	1030	45	24	1000
DH-004	75	0.6	185	4	3.40	4560	72	38	530
DH-005	20	1.0	58	4	3.00	330	56	6.2	580
DH-006	55	1.2	456	10	2.60	1560	136	46	430
DH-007	45	1.0	280	7	1.90	1030	77	20	260
DH-008	40	0.6	331	5	2.95	1060	114	28	595
DH-009	10	<0.2	13	4	3.20	300	43	3.0	670
DH-010	90	7.8	388	90	3.85	4530	1635	40	2850
DH-011	10	1.8	646	26	4.60	3320	559	115	1400
DH-012	70	2.2	183	148	3.60	4360	1320	17.5	980
DH-013	5	1.8	253	54	3.20	1650	114	30	450
DH-014	10	1.4	257	58	2.70	1230	137	50	295
DH-015	5	1.2	362	32	4.50	1030	185	57	510
DH-016	10	0.8	129	20	4.00	570	65	6.4	220
DH-017	25	0.4	118	15	3.60	640	107	11.0	535
DH-018	15	1.2	29	38	1.80	1290	629	4.8	2000
DH-019	15	2.2	152	38	3.20	2100	73	34	530
DH-020	25	3.4	245	34	2.45	1850	76	46	500
DH-021	65	5.4	261	36	2.20	640	156	100	750
DH-022	70	3.8	213	24	2.90	1300	157	78	1500
DH-023	100	13.6	407	29	3.50	960	283	150	1700
DH-024	280	8.6	137	14	2.10	500	87	54	1500
DH-025	415	26.0	469	35	3.65	1270	334	230	1500
DH-026	35	4.0	218	14	2.30	1330	129	56	1400
DH-027	45	2.4	291	22	3.95	1310	150	32	1300
DH-028	175	9.6	416	16	7.00	4240	373	64	1000
DH-029	190	40.6	547	146	2.50	9310	816	64	1200
DH-030	120	10.4	331	43	2.40	2160	684	84	1100
DH-031	150	38.0	504	54	2.35	5140	843	85	2500
DH-032	415	422	1050	100	4.70	9870	5300	290	3800

## 顯 微 鏡 寫 真

(Photomicrograph)

### 付一 4 3 代表的岩石薄片(Thin section)

(Sample locality)

MJMI-1 188.1m Pyroxene-hornblende Andesite

MJMI-6 156.6m Garnet Skarn

MJMI-7 299.5m Biotite-hornblende Porphyry

(abbreviation)

Q : Quartz , Pl : Plagioclase , Bi : Biotite , Ho : Hornblende

Ga : Garnet , Ss : Andradite-Grossularite solid solution

Left : Open nicol , Right : Cross nicol

### 付一 4 4 鉍石研磨片(Polished section)

(Sample locality)

MJMI-3 246.9m , MJMI-4 121.5m

MJMI-5 159.1m , MJMI-6 156.6m

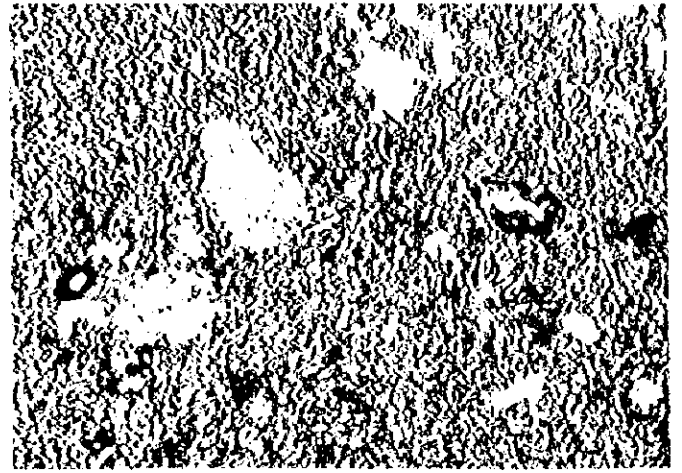
MJMI-7 298.2m , Outcrop of Skarn

(abbreviation)

Sph : Sphalerite , Gn : Galena , Py : Pyrite , As-Py : Arsenopyrite

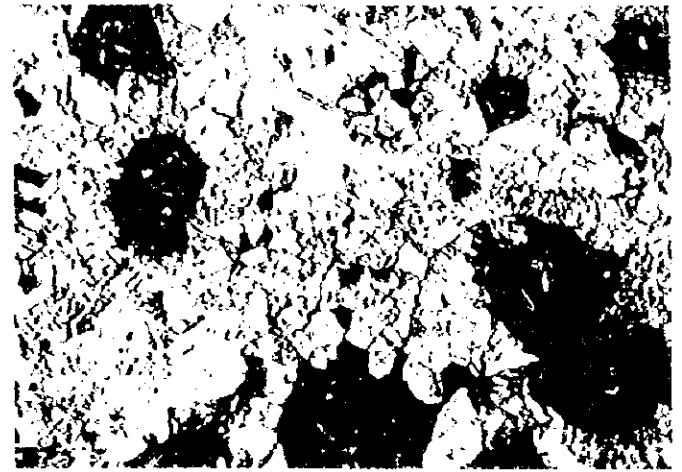
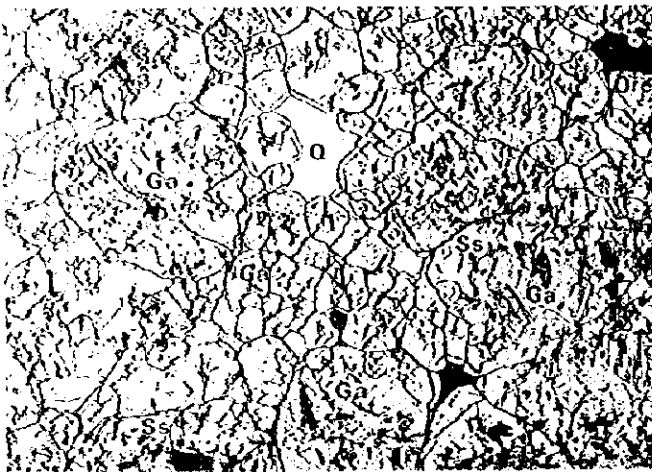
Cp : Chalcopyrite , Tet : Tetrahedrite , Ag : Ag-mineral , El : Electrum





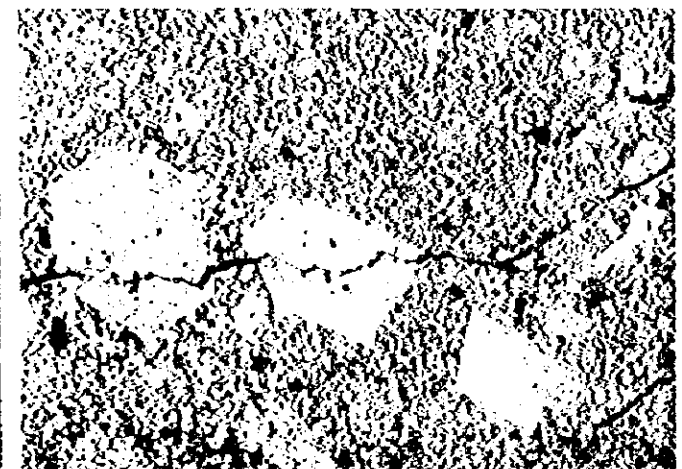
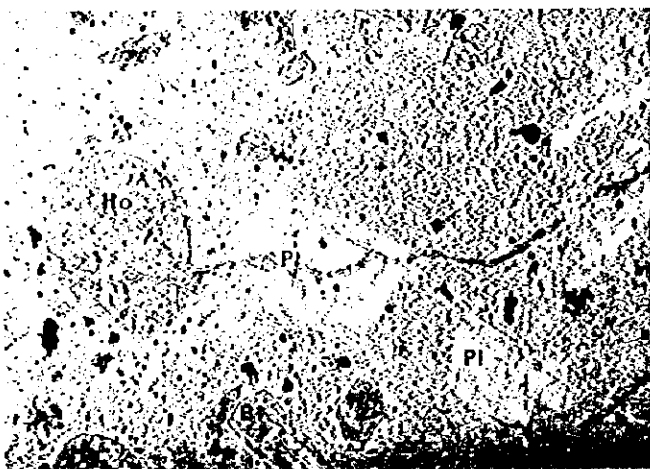
MJMI-1 188.1m (T-1)

0 100µm



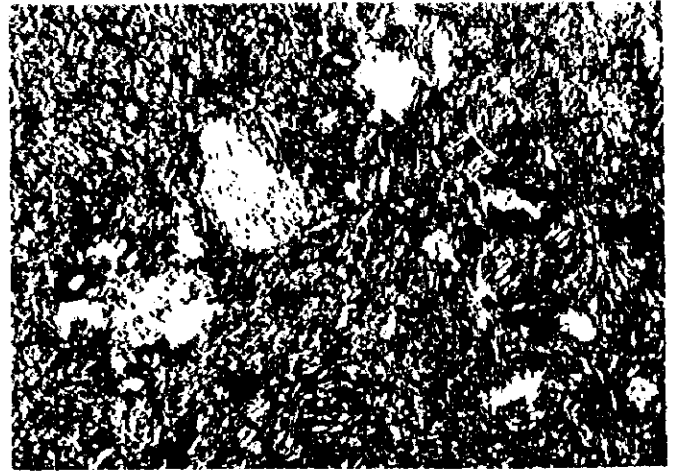
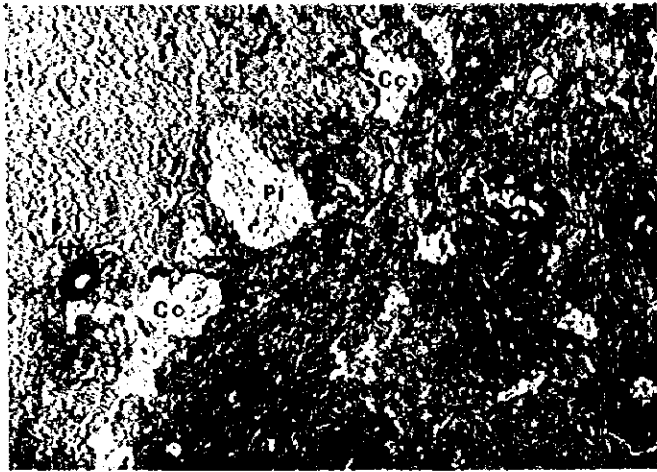
MJMI-6 156.6m (T-12)

0 100µm



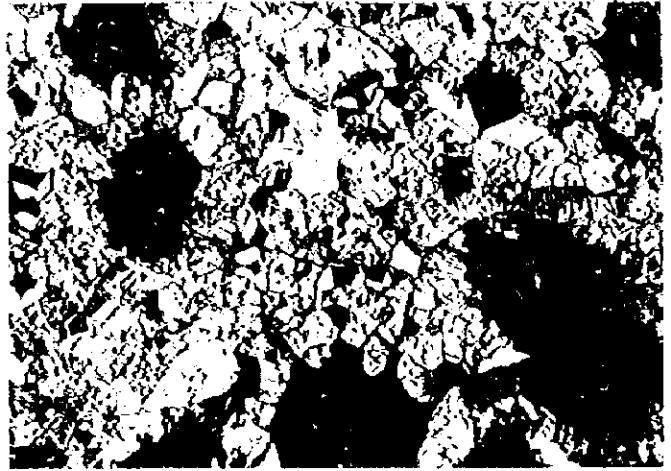
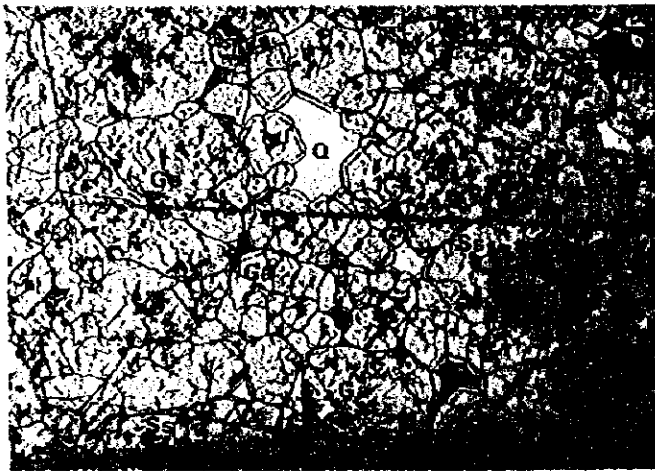
MJMI-7 299.5m (T-15)

0 100µm



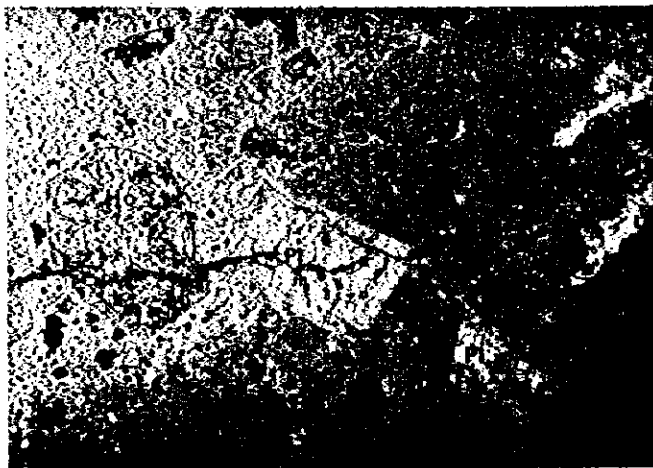
MJMI-1 188.1m (T-1)

0 0.2mm



MJMI-6 156.6m (T-12)

0 0.2mm



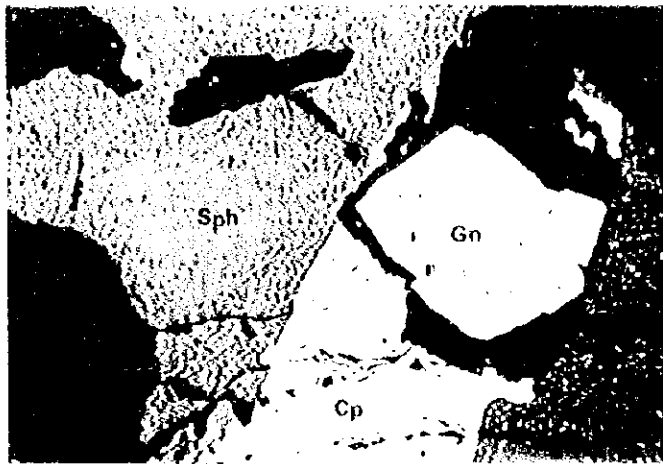
MJMI-7 299.5m (T-15)

0 0.2mm



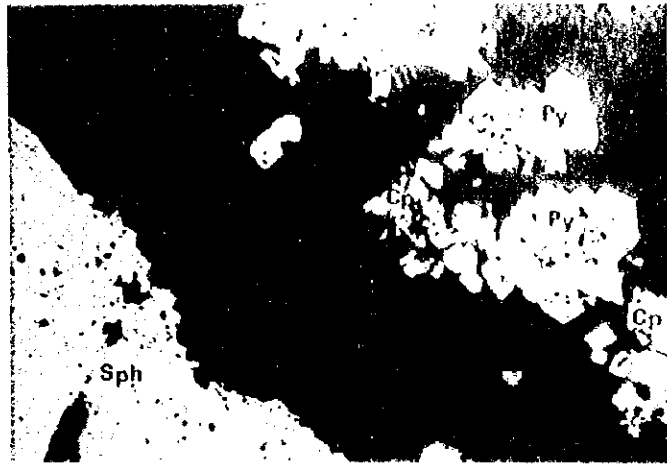






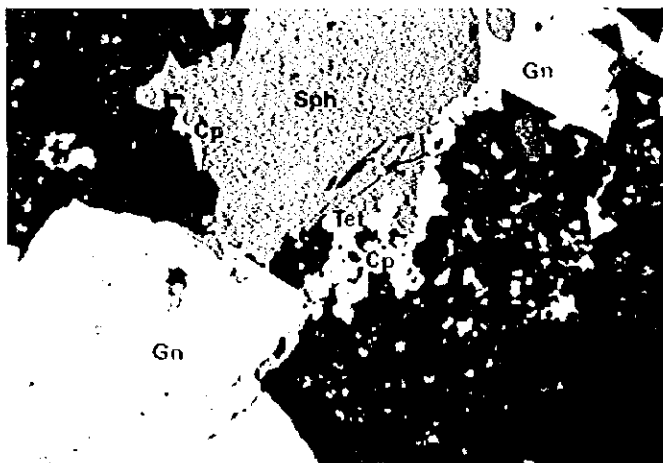
MJMI-3 246.9m (P-6)

0 0.2mm



MJMI-4 121.5m (P-7)

0 0.2mm



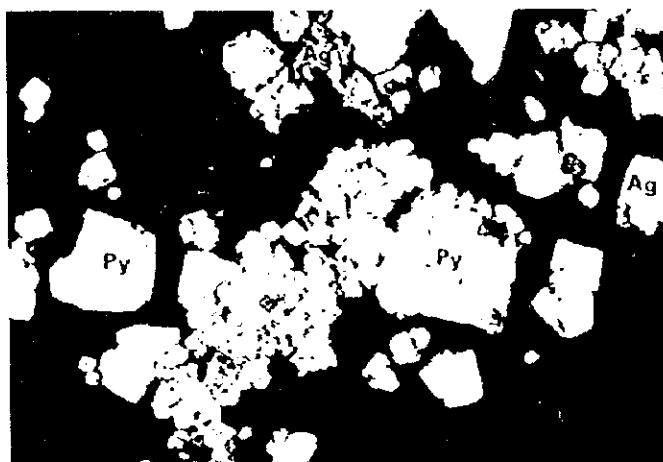
MJMI-5 159.1m (P-9)

0 0.1mm



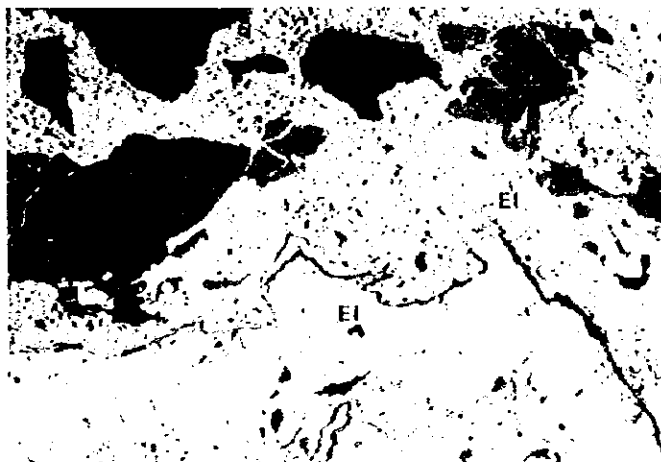
MJMI-6 156.6m (P-10)

0 0.2mm



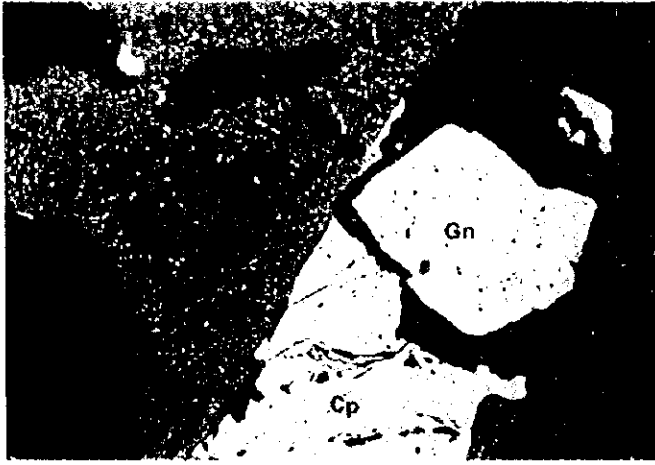
MJMI-7 298.2m (P-11)

0 0.1mm



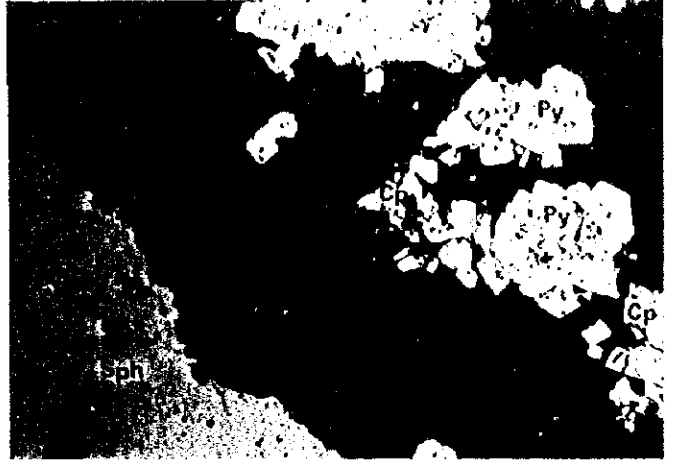
Outcrop of Skarn (P-12)

0 0.1mm



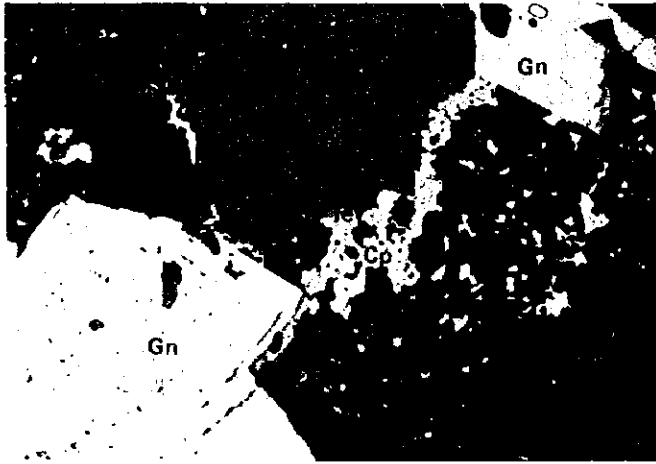
MJMI-3 246.9m (P-6)

0 0.2mm



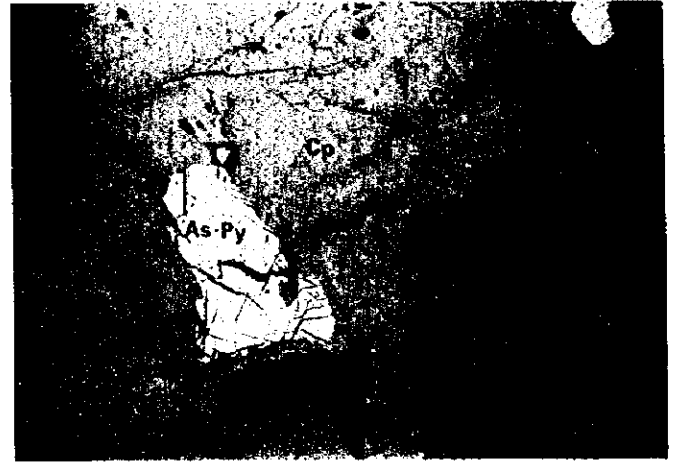
MJMI-4 121.5m (P-7)

0 0.2mm



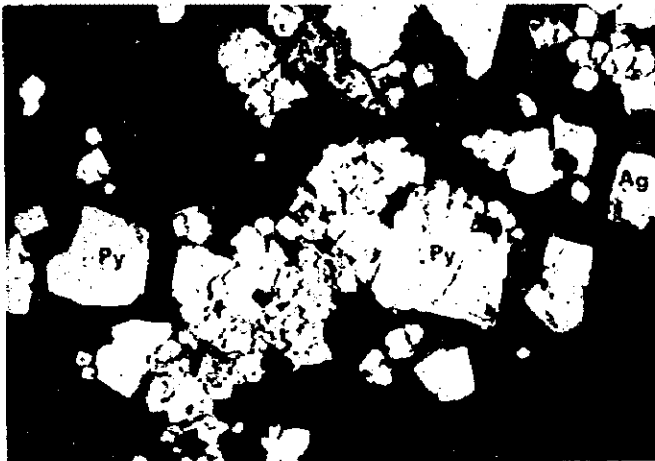
MJMI-5 159.1m (P-9)

0 0.1mm



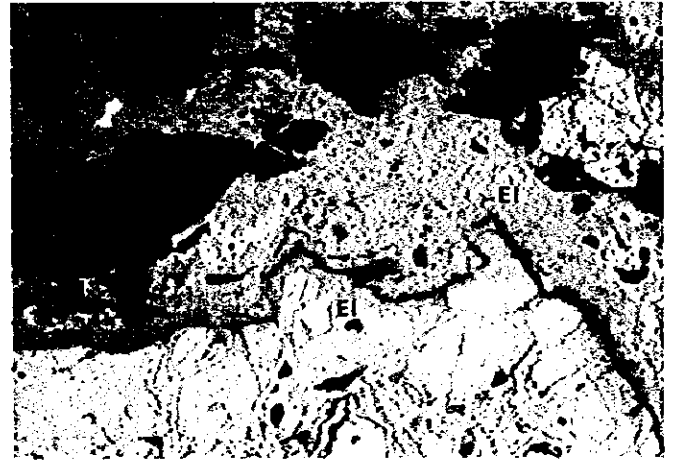
MJMI-6 156.6m (P-10)

0 0.2mm



MJMI-7 298.2m (P-11)

0 0.1mm



Outcrop of Skarn (P-12)

0 0.1mm







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