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

M J M I — 1

CLASS	PERIODO DE TRABAJO		TOTAL DE DIAS	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

PROFUNDIDAD DE PERFORACION			
PROFUNDIDAD PROYECTADA	300m	GRAVAS	9. 3m
LANGITUD PROLONGADA		LONG.DE TESTIGO	295. 8m
PROFUNDIDAD SUPERVISADA	300. 0m	RECOBRAR	98. 60%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS
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%

RECUPERACION DEL TESTIGO POR CADA 100m			
PROFUNDIDAD(m)	RECUPERACION DELINTERVALO		TOTAL
0. 0～101. 4	100. 3m	98. 9%	98. 9%
101. 0～194. 2	90. 0m	97. 0%	98. 0%
194. 2～300. 1	105. 5m	99. 6%	98. 6%

EFICIENCIA		
TTL AVANCE／TOTAL PERIOD	13. 04	mts/dia
TTL AVANCE／DIAS TRABAJADOS	14. 29	mts/dia
TTL AVANCE／PERIOD PERFORADO	16. 67	mts/dia
TTL ADANCE／SOLO POR PERFORACION REAL	17. 64	mts/dia
TTL ADANCE／TOTAL MITA	2. 4	mts/mita
MITAS TTL DE PERFORACION／TTL ADANCE	0. 32	mitas/mts

PROFUNDIDAD DE ADEME POR CADA DIAMETRO		B/A×100 (%)	A : LARGO PERFORADO B : LARGO REVESTIDO	RECUPERACION DE TUBOS (REVESTIMIENTO) (%)
DIAMETRO(mm)	P(m)			
76. 2	32. 0	10. 6		100

ARTICULO

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

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

MJMI－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

PROFUNDIDAD DE PERFORACION			
PROFUNDIDAD PROYECTADA	300m	GRAVAS	3. 5m
LANGITUD PROLONGADA	0	LONG.DE TESTIGO	297. 8m
PROFUNDIDAD SUPERVISADA	300. 0m	RECOBRAR	99. 3%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS
PERFORACION	350 h	47. 2%	45. 7%
OTRO EXCEPTO PERFORACION	176 h	23. 8%	23. 0%
PARA ACCIDENTES	125 h	16. 9%	16. 3%
DEPENDIENTES	90h	12. 2%	11. 8%
SUB-TOTAL	741h	100%	96. 7%
PREPARACION	5 h		0. 7%
DESARME Y RETIRO	20 h		2. 6%
TOTAL	766h		100%

RECUPERACION DEL TESTIGO POR CADA 100m			
PROFUNDIDAD(m)	RECUPERACION DELINTERVALO		TOTAL
0. 0～99. 4	98. 0m	98. 6%	98. 6%
99. 4～200. 4	100. 9m	99. 9%	99. 3%
200. 4～300. 0	98. 9m	99. 3%	99. 3%

EFICIENCIA		
TTL AVANCE／TOTAL PERIOD	5. 08	mts/dia
TTL AVANCE／DIAS TRABAJADOS	6. 45	mts/dia
TTL AVANCE／PERIOD PERFORADO	6. 00	mts/dia
TTL ADANCE／SOLO POR PERFORACION REAL	7. 14	mts/dia
TTL ADANCE／TOTAL MITA	0. 98	mts/mita
MITAS TTL DE PERFORACION／TTL ADANCE	0. 84	mitas/mts

PROFUNDIDAD DE ADEME POR CADA DIAMETRO		B/A×100 (%) A : LARGO PERFORADO B : LARGO REVESTIDO	RECUPERACION DE TUBOS (REVESTIMIENTO) (%)
DIAMETRO(mm)	P(m)		
76. 2	92. 0	30. 70%	100%

ARTICULO

En el tiempo de la obra de la base se ofectuó 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
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

PROFUNDIDAD DE PERFORACION			
PROFUNDIDAD PROYECTADA	300m	GRAVAS	3. 0m
LANGITUD PROLONGADA	0	LONG.DE TESTIGO	295. 9m
PROFUNDIDAD SUPERVISADA	300. 0m	RECOBRAR	98. 60%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS
PERFORACION	258 h	49. 0%	44. 3%
OTRO EXCEPTO PERFORACION	77 h	14. 6%	13. 2%
PARA ACCIDENTES	130 h	24. 7%	22. 3%
DEPENDIENTES	62h	11. 8%	10. 7%
SUB-TOTAL	527h	100%	90. 6%
PREPARACION	30 h		5. 2%
DESARME Y RETIRO	25 h		4. 3%
TOTAL	582h		100%

PROFUNDIDAD DE ADEME POR CADA DIAMETRO		B/A×100 (%)	A : LARGO PERFORADO B : LARGO REVESTIDO	RECUPERACION DE TUBOS (REVESTIMIENTO) (%)
DIAMETRO(mm)	P(m)			
101. 6	24. 0	8		100%
76. 2	55. 1	18. 3		100%

RECUPERACION DEL TESTIGO POR CADA 100m			
PROFUNDIDAD(m)	RECUPERACION DELINTERVALO		TOTAL
0. 0～96. 5	92. 7m	96. 1%	96. 1%
96. 5～196. 7	100. 0m	99. 8%	98. 0%
196. 7～300. 0	103. 2m	99. 9%	98. 6%

EFICIENCIA		
TTL AVANCE／TOTAL PERIOD	7. 14	mts/dia
TTL AVANCE／DIAS TRABAJADOS	8. 22	mts/dia
TTL AVANCE／PERIOD PERFORADO	8. 11	mts/dia
TTL ADANCE／SOLO POR PERFORACION REAL	8. 96	mts/dia
TTL ADANCE／TOTAL MITA	1. 25	mts/mita
MITAS TTL DE PERFORACION／TTL ADANCE	0. 72	mitas/mts

ARTICULO

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

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

MJMI－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

PROFUNDIDAD DE PERFORACION			
PROFUNDIDAD PROYECTADA	300m	GRAVAS	2. 6m
LANGITUD PROLONGADA	0	LONG.DE TESTIGO	296. 7m
PROFUNDIDAD SUPERVISADA	300. 0m	RECOBRAR	98. 90%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS
PERFORACION	282 h	37. 4%	34. 8%
OTRO EXCEPTO PERFORACION	220 h	29. 2%	27. 2%
PARA ACCIDENTES	212 h	28. 1%	26. 2%
DEPENDIENTES	40h	5. 3%	4. 9%
SUB-TOTAL	754h	100%	93. 1%
PREPARACION	40 h		4. 9%
DESARME Y RETIRO	16 h		2. 0%
TOTAL	810h		100%

RECUPERACION DEL TESTIGO POR CADA 100m			
PROFUNDIDAD(m)	RECUPERACION DELINTERVALO		TOTAL
0. 0～98. 3	96. 8m	98. 5%	98. 5%
98. 3～196. 3	96. 1m	98. 1%	98. 3%
196. 3～300. 0	103. 8m	100. 0%	98. 9%

EFICIENCIA		
TTL AVANCE／TOTAL PERIOD	4. 35	mts/dia
TTL AVANCE／DIAS TRABAJADOS	6. 82	mts/dia
TTL AVANCE／PERIOD PERFORADO	4. 76	mts/dia
TTL ADANCE／SOLO POR PERFORACION REAL	7. 32	mts/dia
TTL ADANCE／TOTAL MITA	1. 01	mts/mita
MITAS TTL DE PERFORACION／TTL ADANCE	0. 87	mitas/mts

PROFUNDIDAD DE ADEME POR CADA DIAMETRO		B/A×100 (%) A : LARGO PERFORADO B : LARGO REVESTIDO	RECUPERACION DE TUBOS (REVESTIMIENTO) (%)
DIAMETRO(mm)	P(m)		
101. 6	12. 6	4	100
76. 2	97. 0	32	100
60. 3	196. 3	65	100

記事

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

M J M I —5

CLASS	PERIODO DE TRABAJO		
PREPARACION	1998. 10. 13	～	1998. 10. 13
PERFORACION	1998. 10. 13	～	1998. 10. 27
TRASLADO	1998. 10. 28	～	1998. 10. 29
TOTAL	1998. 10. 13	～	1998. 10. 29

TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
1	1	0	15
14	13	2	81
2	1	0	15
17	15	2	111

PROFUNDIDAD DE PERFORACION			
PROFUNDIDAD PROYECTADA	300m	GRAVAS	2. 0m
LANGITUD PROLONGADA	0	LONG.DE TESTIGO	292. 9m
PROFUNDIDAD SUPERVISADA	300. 0m	RECOBRAR	97. 60%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS
PERFORACION	235 h	95. 9%	81. 0%
OTRO EXCEPTO PERFORACION	10 h	4. 1%	3. 4%
PARA ACCIDENTES	0 h	0. 0%	0. 0%
DEPENDIENTES	0h	0. 0%	0. 0%
SUB-TOTAL	245h	100%	84. 5%
PREPARACION	30 h		10. 3%
DESARME Y RETIRO	15 h		5. 2%
TOTAL	290h		100%

RECUPERACION DEL TESTIGO POR CADA 100m			
PROFUNDIDAD(m)	RECUPERACION DELINTERVALO		TOTAL
0. 0～99. 8	92. 6m	92. 8%	92. 8%
99. 8～207. 8	108. 0m	100. 0%	96. 5%
207. 8～300. 0	92. 3m	99. 9%	97. 6%

EFICIENCIA		
TTL AVANCE／TOTAL PERIOD	17. 65	mts/dia
TTL AVANCE／DIAS TRABAJADOS	20. 00	mts/dia
TTL AVANCE／PERIOD PERFORADO	21. 43	mts/dia
TTL ADANCE／SOLO POR PERFORACION REAL	23. 08	mts/dia
TTL ADANCE／TOTAL MITA	2. 7	mts/mita
MITAS TTL DE PERFORACION／TTL ADANCE	0. 27	mitas/mts

PROFUNDIDAD DE ADEME POR CADA DIAMETRO		B/A×100 (%)	A : LARGO PERFORADO B : LARGO REVESTIDO	RECUPERACION DE TUBOS (REVESTIMIENTO) (%)
DIAMETRO(mm)	P(m)			
101. 6	16. 0	5. 3		100

ARTICULO

En el tiempo de la obra de la base se ofectuó 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)

MJMI－6

CLASS	PERIODO DE TRABAJO		
PREPARACION	1998. 10. 24	～	1998. 10. 25
PERFORACION	1998. 10. 25	～	1998. 11. 19
TRASLADO	1998. 11. 19	～	1998. 11. 19
TOTAL	1998. 10. 24	～	1998. 11. 19

TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
2	1	0	12
25	23	2	129
1	1	0	12
28	25	2	153

PROFUNDIDAD DE PERFORACION			
PROFUNDIDAD PROYECTADA	300m	GRAVAS	2. 3m
LANGITUD PROLONGADA	0	LONG.DE TESTIGO	299. 7m
PROFUNDIDAD SUPERVISADA	300. 0m	RECOBRAR	99. 90%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS
PERFORACION	390 h	95. 9%	81. 0%
OTRO EXCEPTO PERFORACION	55 h	4. 1%	3. 4%
PARA ACCIDENTES	30 h	0. 0%	0. 0%
DEPENDIENTES	0h	0. 0%	0. 0%
SUB-TOTAL	475h	100%	84. 5%
PREPARACION	10 h		10. 3%
DESARME Y RETIRO	5 h		5. 2%
TOTAL	290h		100%

RECUPERACION DEL TESTIGO POR CADA 100m			
PROFUNDIDAD(m)	RECUPERACION DELINTERVALO		TOTAL
0. 0～100. 7	100. 4m	99. 7%	99. 7%
100. 7～207. 3	106. 6m	100. 0%	99. 9%
207. 3～300. 0	92. 7m	100. 0%	99. 9%

EFICIENCIA		
TTL AVANCE／TOTAL PERIOD	10. 71	mts/dia
TTL AVANCE／DIAS TRABAJADOS	12	mts/dia
TTL AVANCE／PERIOD PERFORADO	12	mts/dia
TTL ADANCE／SOLO POR PERFORACION REAL	13. 04	mts/dia
TTL ADANCE／TOTAL MITA	1. 96	mts/mita
MITAS TTL DE PERFORACION／TTL ADANCE	0. 43	mitas/mts

PROFUNDIDAD DE ADEME POR CADA DIAMETRO		B/A×100 (%)	A : LARGO PERFORADO B : LARGO REVESTIDO	RECUPERACION DE TUBOS (REVESTIMIENTO) (%)
DIAMETRO(mm)	P(m)			
101. 6	7. 2	2. 4	100	
75. 9	214. 9	71. 6	100	

ARTICULO

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

Hasta la terminación del barreno final de esta área se dejó como reserva la máquina sin hacer eldesmontaje de la máquina de la perforación y el retiro

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

MJMI－7

CLASS	PERIODO DE TRABAJO			TOTAL DE DIAS	DIAS TRABAJADOS	DIAS NO TRABAJADOS	TOTAL MITAS
PREPARACION	1998.10.24	～	1998.10.26	2	2	0	44
PERFORACION	1998.10.26	～	1998.11.20	25.5	23	1.5	79
TRASLADO	1998.11.20	～	1998.11.21	1.5	1	0	18
TOTAL	1998.10.24	～	1998.11.21	29	25	1.5	141

PROFUNDIDAD DE PERFORACION			
PROFUNDIDAD PROYECTADA	300m	GRAVAS	51.8m
LANGITUD PROLONGADA	0	LONG.DE TESTIGO	287.0m
PROFUNDIDAD SUPERVISADA	300.0m	RECOBRAR	95.60%
TRABAJADAS	HORA	POR PERFORACION	POR TODOS
PERFORACION	315 h	79.7%	72.4%
OTRO EXCEPTO PERFORACION	80 h	20.3%	18.4%
PARA ACCIDENTES	0 h	0.0%	0.0%
DEPENDIENTES	0h	0.0%	0.0%
SUB-TOTAL	395h	100%	90.8%
PREPARACION	20h		4.6%
DESARME Y RETIRO	20 h		4.6%
TOTAL	435h		100%

RECUPERACION DEL TESTIGO POR CADA 100m			
PROFUNDIDAD(m)	RECUPERACION DELINTERVALO		TOTAL
0.0～105.0	92.3m	87.9%	87.9%
105.3～221.2	115.9m	99.7%	94.1%
221.2～300.0	78.8m	100.0%	95.6%

EFICIENCIA		
TTL AVANCE／TOTAL PERIOD	10.34	mts/dia
TTL AVANCE／DIAS TRABAJADOS	12	mts/dia
TTL AVANCE／PERIOD PERFORADO	1.76	mts/dia
TTL ADANCE／SOLO POR PERFORACION REAL	13.04	mts/dia
TTL ADANCE／TOTAL MITA	2.13	mts/mita
MITAS TTL DE PERFORACION／TTL ADANCE	0.26	mitas/mts

PROFUNDIDAD DE ADEME POR CADA DIAMETRO		B/A×100 (%)	A : LARGO PERFORADO B : LARGO REVESTIDO	RECUPERACION DE TUBOS (REVESTIMIENTO) (%)
DIAMETRO(mm)	P(m)			
101.6	51.8	17.3		100

ARTICULO

Hasta la terminación del barreno final de esta área se dejó como reserva la máquina sin hacer eldesmontaje de la máquina de la perforación y el retiro

(1/3)

MJMI-1-(1) 0m-100m

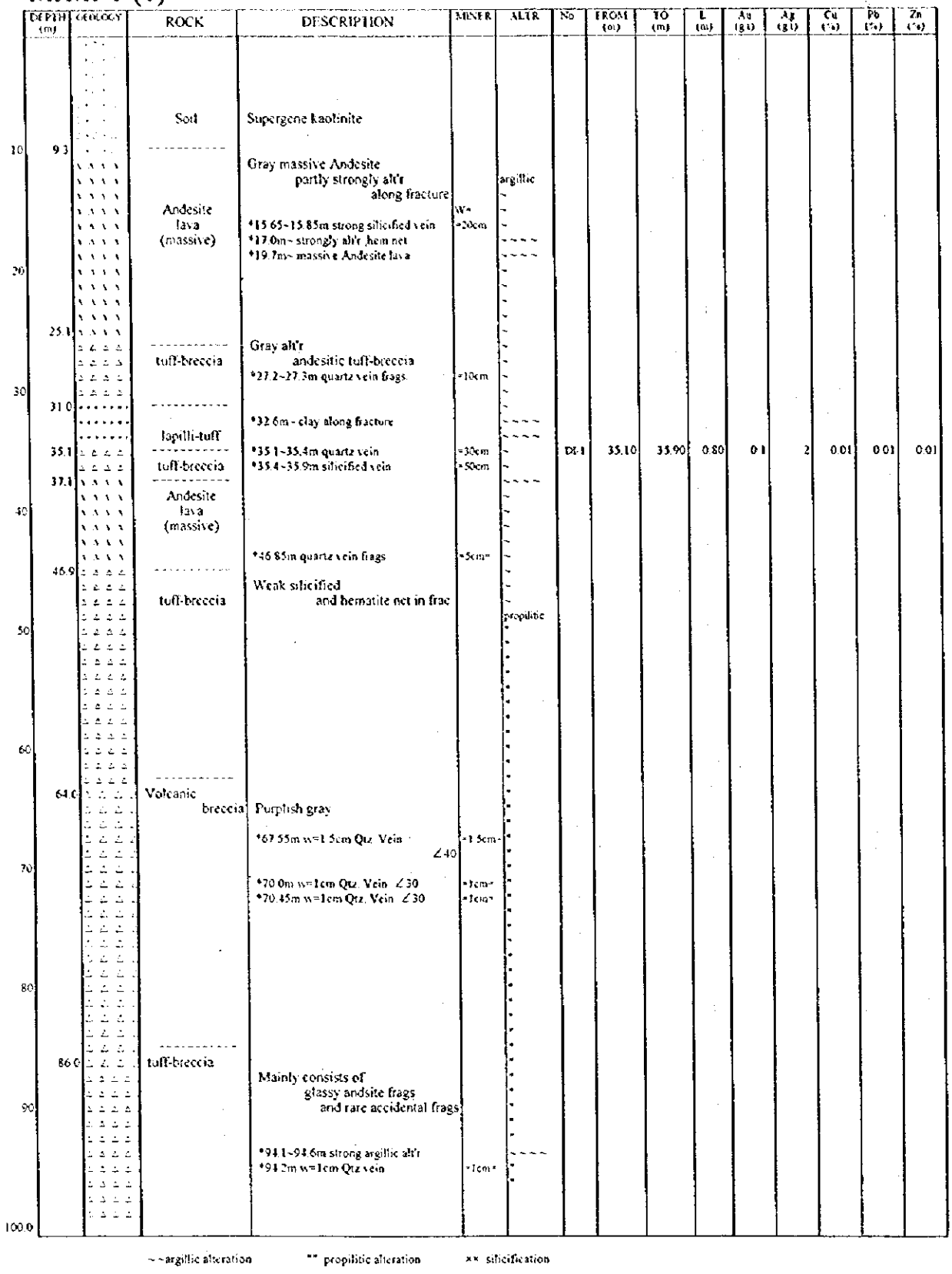
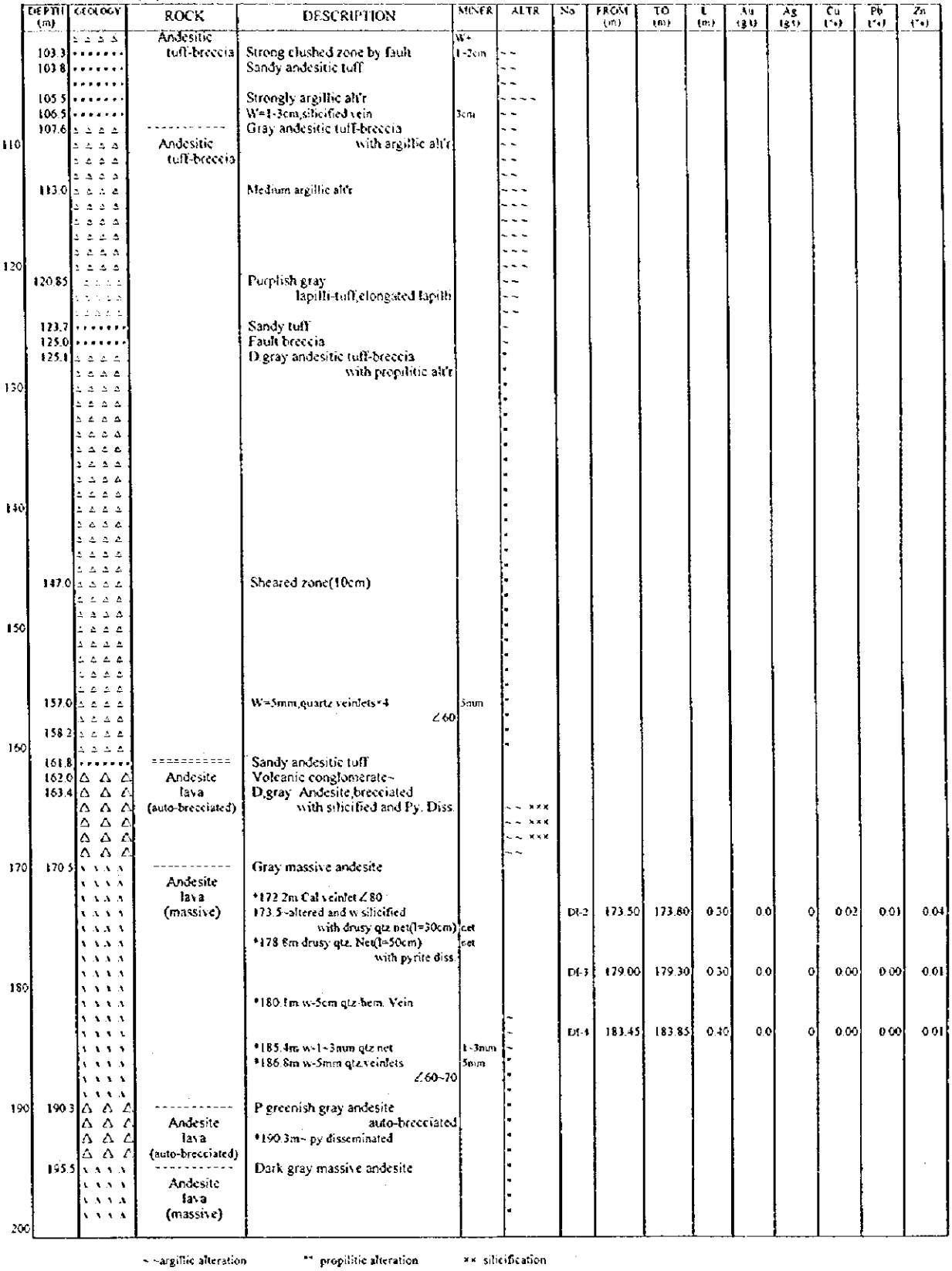


Fig.II-1-9 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-1

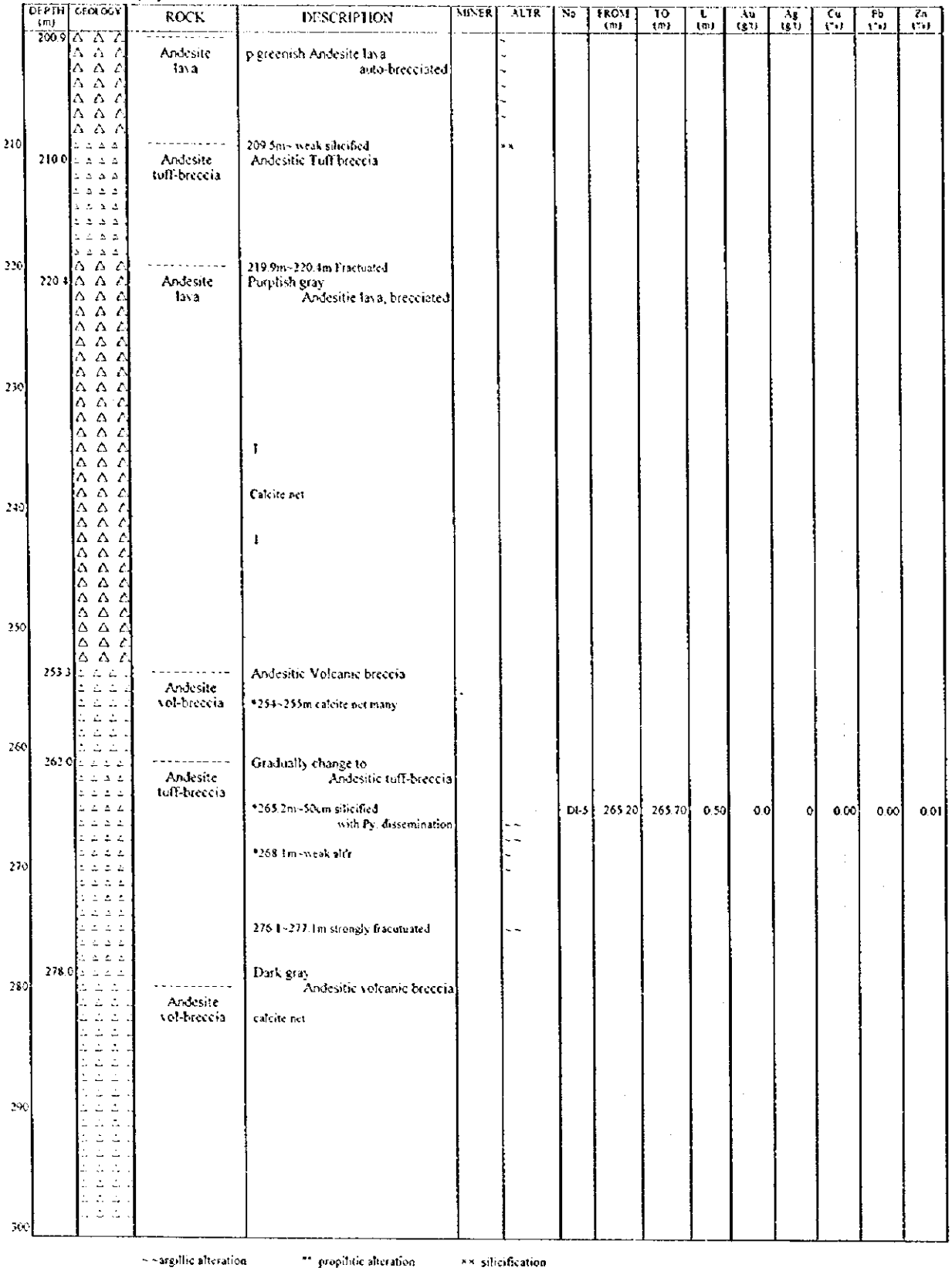
MJMI-1-(2)

100m-200m



MJMI-1-(3)

200m-300m



~ argillic alteration ** propilitic alteration ×× silicification

MJMI-2-(1) 0m-100m

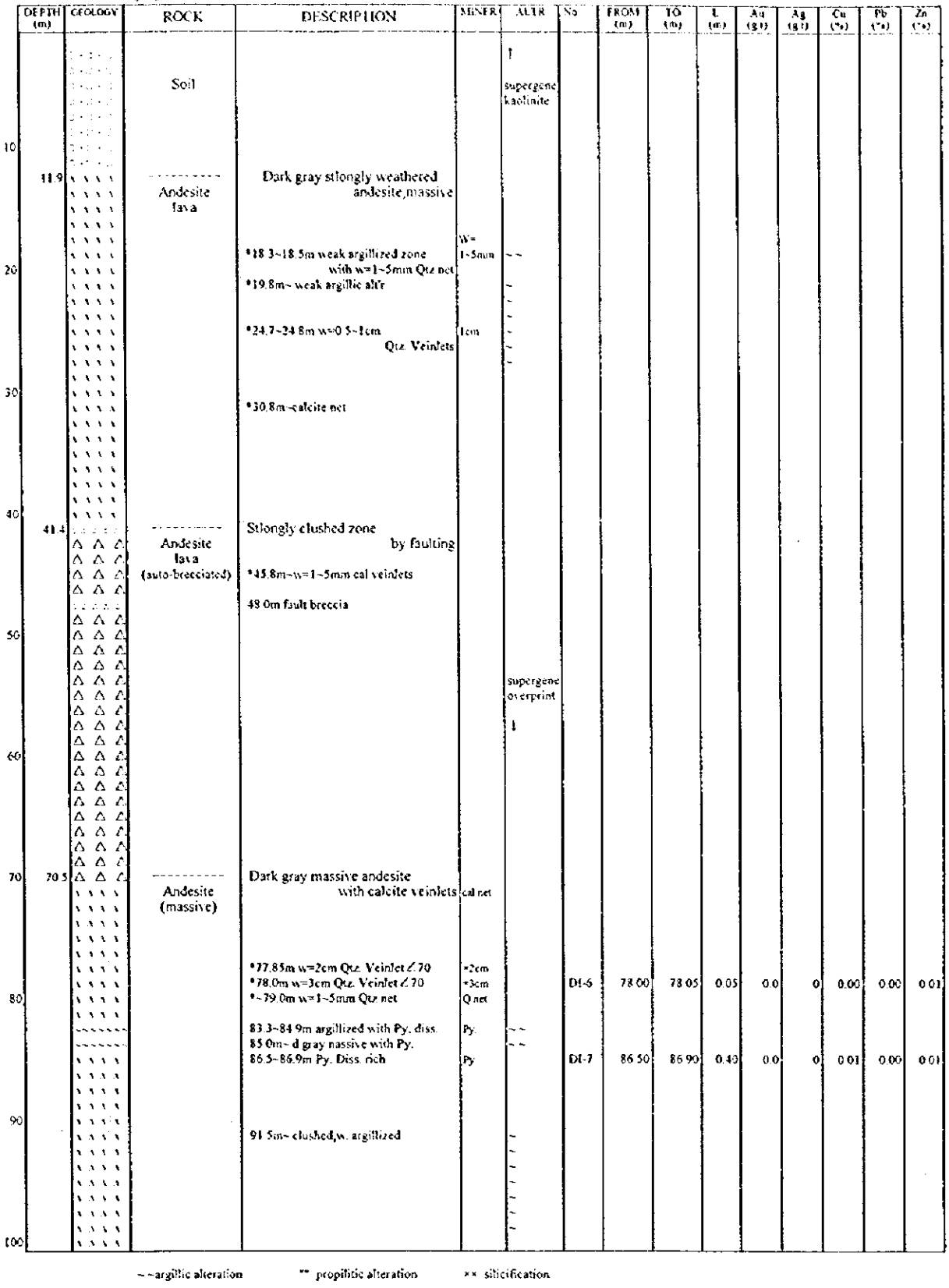


Fig.II-1-10 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-2

(2/3)

MJMI-2-(2)

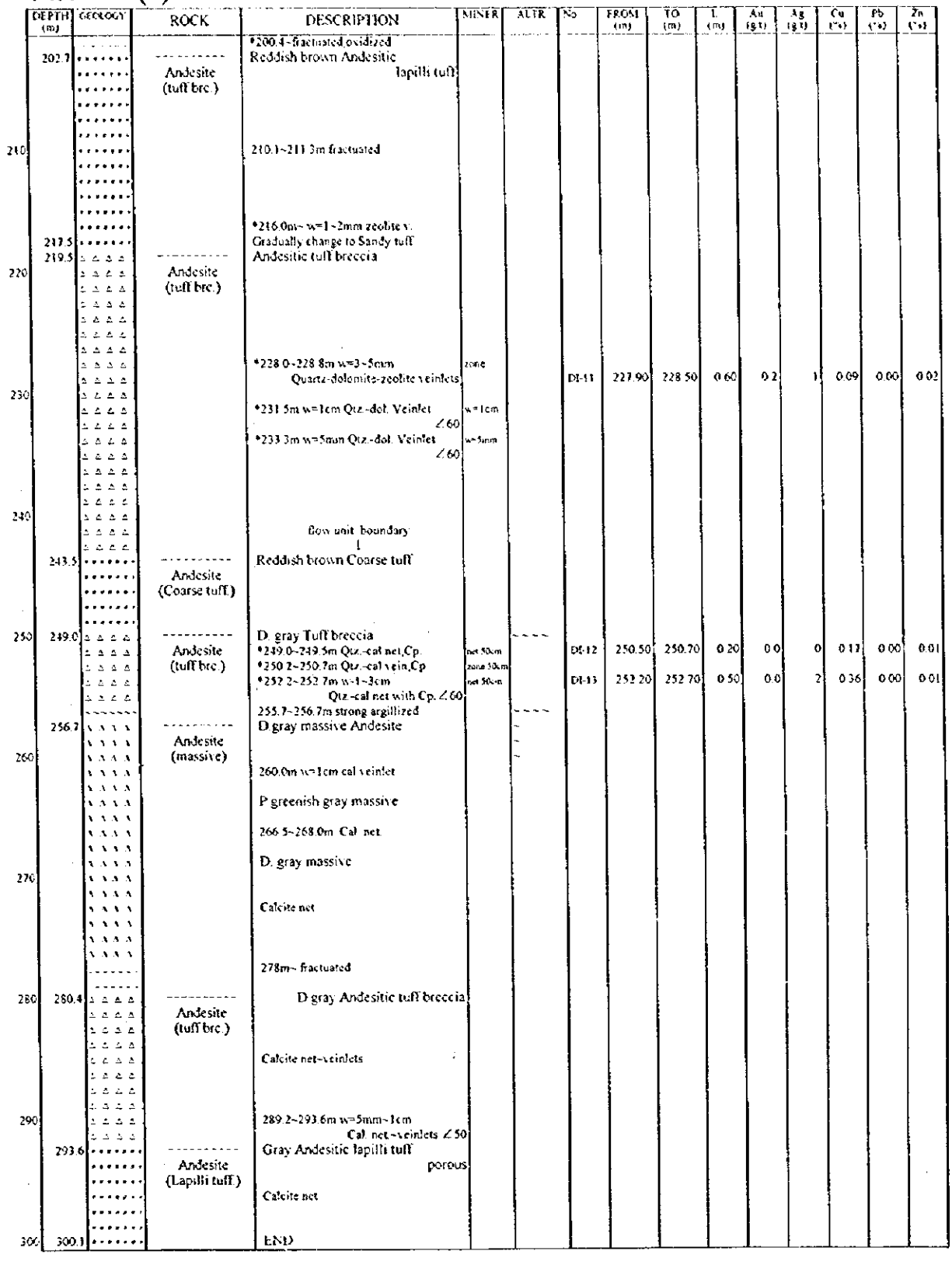
100m-200m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
		Andesite (massive)												
103.6			Strongly fractuated massive Andesite	Py diss	~~									
106.3			D gray massive Andesite zeolite(chabazite) veinlets	Py diss										
110			109.7m~strongly fractuated zeolite-pyrite veinlet	Py diss	~~~	DI-8	110.30	110.40	0.10	0.0	1	0.13	0.00	0.01
			111.0m~d gray massive											
			117.6m~10cm diss. Py rich	Py coac										
120	119.3		Strongly argillic alt'r		~~~~									
	122.7		120.5m~weak argillic alt'r clay veinlet ∠30		~~									
			D gray massive Andesite zeolite net		~~									
			128.3m~weak argillic alt'r		~~									
130			129.8m~strong alt'r		~~~~									
			130.2m~weak alt'r massive And.		~									
			*131.9~132.2m Py. Diss. rich zeolite(chabazite) net	Py coac	~									
			D gray massive Andesite		~									
140														
	147.5		strong fractuated Py. diss along fracture	Py diss										
150			D gray massive compact											
			151.0m~strong fractuated											
			*152.2m W=5cm Qtz.veinlet	W=5cm		DI-9	152.20	152.25	0.05	0.1	2	0.02	0.00	0.00
			*155.5~155.8m Py rich											
	156.7	Andesite (brecciated)	D gray Andesite lava brecciated											
160			*161.6m w=1cm Qtz. Veinlet ∠40	=1cm=										
			*167.3m w=5mm Qtz. Veinlet ∠70	=5mm=										
	169.7		169.4~169.7m strong factuated											
170		Andesite (Vol. Brc)	d gray Andesitic Volcanic breccia											
			*177.8~strong fractuated(fault)											
			*179.4m w=1cm Qtz. Veinlet ∠80	1cm										
180			D. gray Andesitic Volcanic breccia, weak to medium argillized		~									
			*184.4~185.0m Qtz. vein frags frags with Cp ,in fault clay	frags	~~~~	DI-10	184.40	185.00	0.60	0.1	0	0.05	0.00	0.01
	186.5	Andesite (tuff brc)	D gray~reddish gray Andesitic tuff breccia											
190														
200														

~ ~argillic alteration ** propilitic alteration ** silicification

MJMI-2-(3)

200m-300m



DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR
			*200.4~fractuated,oxidized		
202.7		Andesite (tuff brc.)	Reddish brown Andesitic lapilli tuff		
210			210.1~211.3m fractuated		
			*216.0m~ w=1~2mm zeolite v.		
217.5			Gradually change to Sandy tuff		
219.5		Andesite (tuff brc.)	Andesitic tuff breccia		
220					
			*228.0~228.8m w=3~5mm Quartz-dolomite-zeolite veinlets	zone	
230			*231.5m w=1cm Qtz.-dol. Veinlet ∠60	w=1cm	
			*233.3m w=5mm Qtz.-dol. Veinlet ∠60	w=5mm	
240			flow unit boundary		
243.5		Andesite (Coarse tuff.)	Reddish brown Coarse tuff		
250	249.0	Andesite (tuff brc.)	D. gray Tuff breccia		~~~~
			*249.0~249.5m Qtz.-cal net,Cp	net 50cm	
			*250.2~250.7m Qtz.-cal vein,Cp	zone 50cm	
			*252.2~252.7m w=1~3cm Qtz.-cal net with Cp. ∠60	net 50cm	
			255.7~256.7m strong argillized		~~~~
	256.7	Andesite (massive)	D.gray massive Andesite		
260			260.0m w=1cm cal veinlet		
			P.greenish gray massive		
			266.5~268.0m Cal. net		
			D. gray massive		
270			Calcite net		
			278m~ fractuated		
280	280.4	Andesite (tuff brc.)	D.gray Andesitic tuff breccia		
			Calcite net~veinlets		
290			289.2~293.6m w=5mm~1cm Cal. net~veinlets ∠50		
	293.6	Andesite (Lapilli tuff.)	Gray Andesitic lapilli tuff porous		
			Calcite net		
300	300.1		END		

No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
DI-11	227.90	228.50	0.60	0.2	1	0.09	0.00	0.02
DI-12	250.50	250.70	0.20	0.0	0	0.17	0.00	0.01
DI-13	252.20	252.70	0.50	0.0	2	0.36	0.00	0.01

~~argillic alteration ** propilitic 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/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
		Soil												
1.00		----------	Ss/Ms Alternation											
4.00		F.MEZCALERA	Ms>Slt>Ss fine alt'n											
9.10		----------	Weathered Porphyry											
10		Porpyry	9.1~Oxidized and weak altered											
			18.0~ massive Plagioclase Porphyry											
20														
23.80		----------	Ms>Ss graded bedding (turbidite)											
		F.MEZCALERA												
29.95		----------	Gray Plagioclase Porphyry											
30		Porpyry												
32.10		----------	Black Mudstone											
		F.MEZCALERA	34.3~ Ss>Ms											

36.10		Porpyry	Monzonitic Porphyry											
38.30		----------	Gray Silt>Ss alt'n											
40		F.MEZCALERA												
41.20		----------	Altered Monz. Porph.											
		Porpyry												
46.20		----------	Greenish gray Siltstone											
		F.MEZCALERA												
50			49.5~ mainly black Ms											
			50.7~ Ss>Ms Graded bedding											
			53.3~ Ms>Ss alt'n											

57.00		Porpyry	Gray fresh Porphyry											
58.10		----------	d gray Ms/fine Ss alt'n											
60		F.MEZCALERA												
63.00		----------	Gray monzonitic Porphyry											
		Porpyry												
68.00		----------	Fine Ss>Ms Alternation											
70		F.MEZCALERA												
		----------				DO								
73.60		Quartz Vein	73.6~74.25(0.65m) Qtz Vein			001	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
			Ditto,altered		~~~~	003	74.55	74.85	0.30	0.0	2	0.00	0.01	0.04
77.95		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
			79.15~83.20 Qtz V.frags in clay			005	75.45	76.45	1.00	0.0	0	0.00	0.01	0.01
80						006	76.45	77.95	1.50	0.0	0	0.00	0.00	0.02
81.20			80.55~81.20(0.65m) Qtz. Vein			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
					/	009	79.15	79.65	0.50	0.0	0	0.00	0.00	0.00
84.5		Quartz Vein	84.5~85.1(0.6m) Qtz. Vein			010	79.65	80.55	0.90	0.0	0	0.00	0.00	0.00
85.10		----------	Strong argillized Silt>Ms alt'n			011	80.55	80.95	0.40	0.0	0	0.00	0.00	0.01
			88.5~89.7 strong altered		~~~~	012	80.95	81.75	0.80	0.0	0	0.00	0.00	0.00
					~~	013	81.75	82.30	0.55	0.0	1	0.00	0.00	0.01
90						014	84.50	85.50	1.00	0.0	1	0.00	0.00	0.02
						015	86.60	87.00	0.40	0.0	1	0.01	0.00	0.01
			92.7~97.3 strong altered		~~~~									
					~~									
					~~									
			97.3~ Ms>silt fine alternation											
100.0														

~~argillic alteration ** propilitic 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	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
101.0		Porphyry	P.gray oxidized,arg. Porphyry											
102.2		F.MEZCALERA	Gray compact hard Ss with samll amount of Ms											
			*106.4~109.8m Breccia(Fault) with clay and vein fragment		~~~~ ~~~~ ~~~~									
109.8		Dacite	White rhyolite dyke		~~~~	DD								
111.8			siliceous,Py diss	w=10cm		-16	111.70	112.60	0.90	0.2	2	0.00	0.01	0.03
		F.MEZCALERA	D gray Conglomerate d gray Compact hard											
			*111.7m w=10cm Quartz Vein *111.9~112.6m,Qtz-Cal vlets zone *115.8m,w=3cm Dolomite V. ∠60° *118.0m,w=10cm Cal-Dol V.											
118.1			Gray massive Ms /Ss. alt'n											
			Calcite veinlets											
			Ss>Ms											
150.7		Porphyry	Dacite Porphyry,Py.											
151.0			Ss.>Ms.											
153.0		Porphyry	Gray Dacite Porphyry											
153.6			Ms.>Ss. alt'n			DD								
		F.MEZCALERA	*156.5~157.2m(0.7m) Sph-Gn-Qtz V ∠45°	w=0.7 (Zn,Pb)	/	-17	156.50	157.10	0.70	0.2	6	0.03	0.84	25.50
157.2			Gray compact hard Ss. with Conglomerate,hornfels		//									
162.0		Monzonite	Gray Monzonite,equigranular		//									
164.0		F.MEZCALERA	P.greenish Silt/Ss. with reddish brown Ms by Hornfels		///									
			Pyrite>Pyrrhotite		///									
168.6		Monzonite	Monzonitic dyke~sheet		///									
169.6		F.MEZCALERA	P.greenish Silt/Ms. alt'n Hornfels		///									
			Pyrite>Pyrrhotite		///									
176.9		Porpyry	Porpyritic rock with frags.		///									
177.3		F.MEZCALERA	P.green Silt> reddish Ms		///									
			*gradually stronger Hornfels Pyrrhotite=Pyrite		////									
			*185.5~190.7m w=1~3cm Calcite veinlets ∠50°		////									
198.5			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

~~argillic alteration ** propilitic alteration ++ silicification //// hornfels

(3/3)

MJMI-3-(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	*Hornfels weaken		// /									
207.3		Porphyry	Pinkish gray Porphyry Py rich											
209.9		FMEZCALERA	Gray Ms >Ss fine Alternation *211.6~211.8m Qtz net,Cp	w=0.2m		DD -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 lenticular Py conc (segregation origin)											
230.3		FMEZCALERA (Acidic tuff)	*230.2~230.3m w=3~5cm Q net Wh~milky gray Rhyolitic Tf *238.0 w=5cm Cal vein ∠60° 238.6m w=3~5cm Cal v.	Qtz net										
235.7		FMEZCALERA	D gray Conglomerate											
240.4			D gray Ms, Cal. net											
			*246.9~247.0m Qtz net,Cp,Gn	w=0.1m		DD -20	246.90	247.00	0.10	0.4	56	0.52	0.04	1.80
			*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)slr,Py rich											
252.8		FMEZCALERA	Ms>Ss fine alt'n(turbidite)											
260.6			mainly d gray Conglomerate											
268.5			Ms>Ss											
			Ss>Ms											
			275~ Ms>Ss											
			gradually increase Ss											
			283.6~Ms>Ss											
			*293.65~293.8m Qtz-cal,Sph	w=0.15m		DD -22	293.65	298.00	0.15	0.2	10	0.02	0.07	3.06
			300m END											

~ ~argillic alteration ** propilitic alteration ** silicification

MJMI-4-(1) 0m-100m

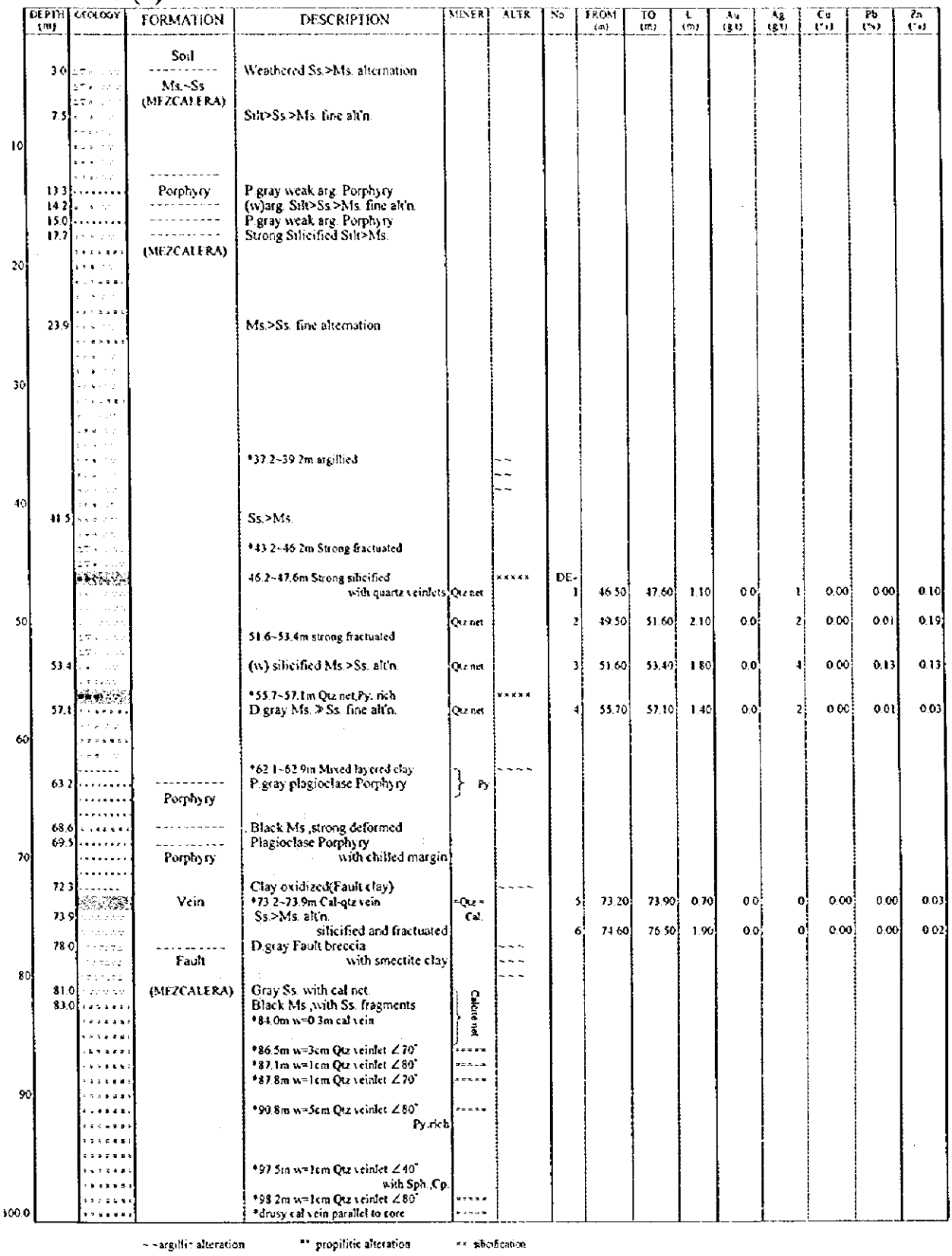


Fig.II-2-11 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-4

(2/3)

MJMI-4-(2)

100m-200m

DEPTH (m)	GEOLOGY	FORMATION	DESCRIPTION	MINER.	ALTR.
100		(MEZCALERA)			
101.0			Mainly gray Ss. with black Ms. matrix		
			*104.4~107.0m drusy calcite		
			*107.65m w=2cm Sph,Gn		
			*107.90m w=2cm Sph,Gn-Cal,Qz		
108.7			*108.7m w=1cm Sph,Gn-Qz V ∠50°		
110			P.greenish gray siliceous Ss. with 1~2mm Py veinlets		
118.5		Conglomerate (MEZCALERA)	Gray Conglomerate		
			*119.05m~ Py ≫ Gn net		
120				w=0.25m	
120.2		Porphyry	Alt'r Porphyry with Py ≫ Gn	Py ≫ Gn	
			*121.4~122.35m Py rich ≫ Gn		
124.0		Conglomerate (MEZCALERA)	Gray Ss.>Ms. fine alternation		
130					
134.0			(Gradually)Mainly Ss.		
140					
146.0			Ss>Ms.		
150			*Calcite net~veinlets		
			*156.4m w=1mm barite ∠70°		
157.5			Ss. rich		
160					
162.1			Black Ms.>Ss. fine alt'n.		
166.5			Ss>Ms.		
			*169.4m w=1.5cm Cal vein ∠70°		
170					
177.1		Acidic Tuff (MEZCALERA)	Milky gray Acidic tuff		
180					
181.0			Gray Ss.>Ms. fine alt'n.		
			*187.1m w=3cm Cal vein ∠40°		
			*187.2m w=2cm Cal vein ∠60°		
190					
193.3			d gray~black Ms. ≫ Ss. with milky white acidic Tf		
199.8			wh.~milky wh. Rhyolitic Tuff		
200					

No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
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
10	117.00	118.00	1.00	0.0	2	0.01	0.01	0.01
11	118.00	119.05	1.05	0.0	3	0.02	0.02	0.04
12	119.05	119.85	0.80	0.4	34	0.08	0.07	0.02
13	119.85	120.20	0.35	0.7	84	0.03	0.28	0.18
14	120.20	121.40	1.20	0.1	43	0.02	0.04	0.03
15	121.40	122.35	0.95	0.9	45	0.05	1.52	1.50
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

~ ~argillic alteration ** propilitic alteration ×× silicification

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 (%)
		Tuff												
204.2			D.gray fine conglomerate											
205.4			Milky white rhyolite Tuff or lava											
210		Tuff	> w=1mm Calcite veinlets many ∠60°											
213.4			Black Ms. ≫ Ss. block											
			Milky rhyolite lava(?) flow-banding											
		Tuff												
215.9			Gray Conglomerate											
217.5			D.gray Ms. ≫ Ss.											
220 218.3			Ss. ≫ Ms gradually with fine Conglomerate, grading											
		(MEZCALERA)												
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			※280.8~284.5 Calcite net											
282.0			Cal>Qtz vein, Py rich											
283.8			Ms./Ss. alt'n.											
288.5			Ms. ≫ Ss. fine alt'n. ,grading			DE								
290			*289.2~289.3m Qtz-cal Vein	*Qtz* Cal		19	289.20	289.30	0.10	0.0	0	0.00	0.00	0.00
300														

~ ~argillic alteration "" propilitic alteration ×× silicification

(1/3)

MJMI-5-(1) 0m-100m

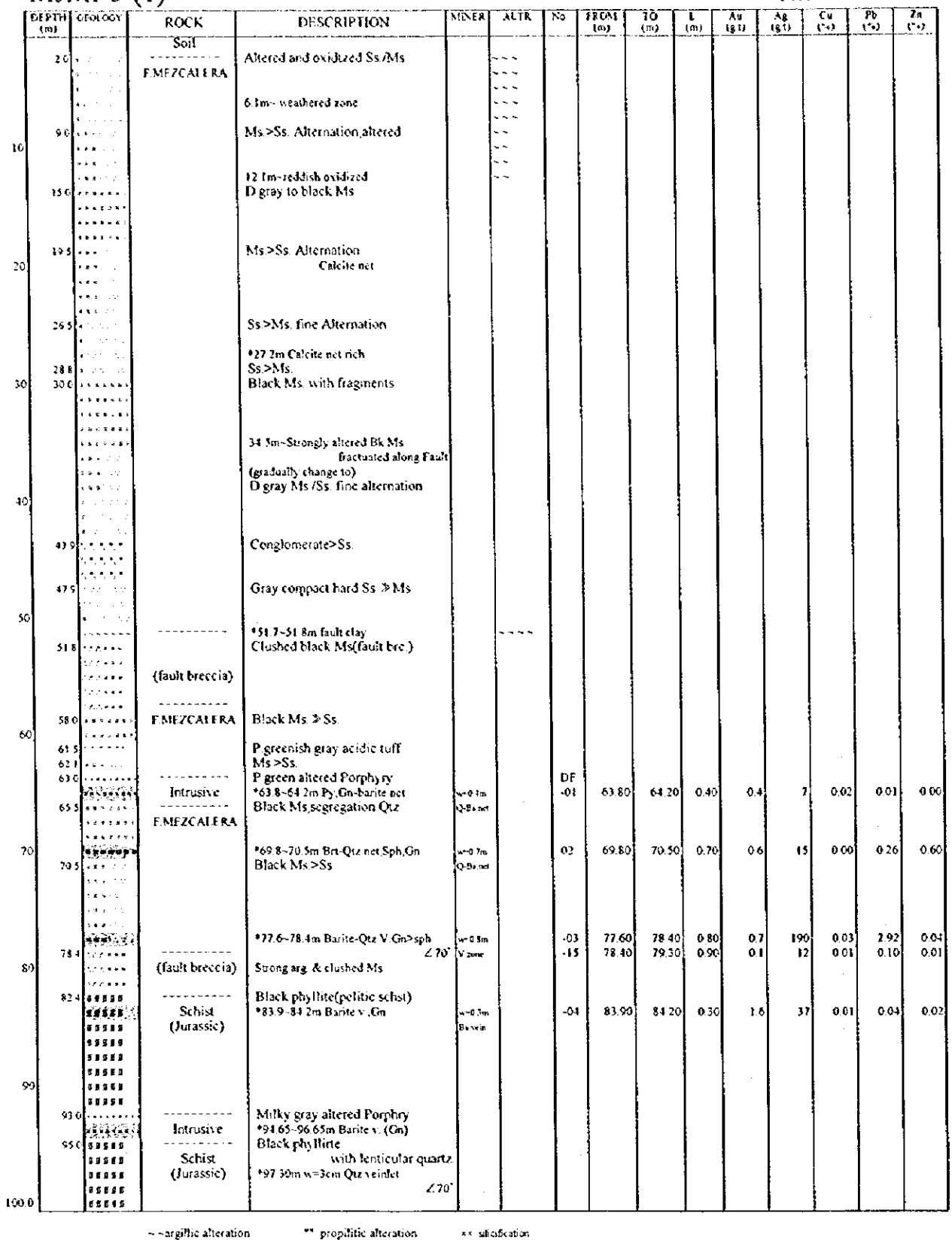


Fig.II-2-12 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-5

MJMI-5-(2)

100m-200m

DEPTH (m)	GEOLOGY	ROCK	DESCRIPTION	MINER	ALTR	No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
			*101.3m w=5cm Qtz V,Py ∠30°											
101.35			Gray fine Conglomerate											
102.3			Phyllite/milky tuff alt'n											
		Schist												
104.3		(Jurassic)	Gray Ss(psammitic schist)											
109.6			(gradually) fine Conglomerate											
110														
110.5			Black Ms(phyllite),boudine											
112.6			Cong-d greenish Ss											
115.4		----------	Dp green Basalt(?)											
		Basalt	,amugdule structure											
		(Intrusive)												
118.5		----------	Fine conglomerate											
120		Schist												
120.7		----------	Dp green Basalt(?)											
		Basalt	with porphyritic texture											
		(Lava)												
		F.MEZCALERA	124~change to Lava facis											
		----------	*128.6m Fault clay											
		Fault												
130	130.7	----------	Weak silicified greenish Ss											
		F.MEZCALERA												
			(gradually)change to Congl											
136.5			(gradually)Black Ms.											
137.3			Milky colored fine tuff											
137.5		----------	Black phyllite											
140		Phyllite	*139.4~ segregation qtz lens											
		(Block)												
142.8		----------	Dp green Basalt or Andesite											
143.2		F.MEZCALERA	Black Ms											
145.3			Fine conglomerate											
146.3			Black Ms. ≫ Ss.											
150			149.5~149.8m milky tuff											
			*segregation quartz lens,Py			DF								
			*153.0m~153.5mBarite-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. ∠90°			-14	154.10	154.90	0.80	0.4	4	0.00	0.02	0.04
						DF								
			159.1~159.4m Max w=4cm	w=0.3m		-05	159.10	159.40	0.30	4.8	274	0.22	3.24	0.08
160			Barite-Py (Gn) vein	Net zone										
160.5		----------	P green rhyolitic tuff,massive											
		Rhyolitic												
		(tuff)												
165.4		----------	Black Ms,segregation qtz.											
		F.MEZCALERA	*165.8m w=2cm Cal vein ∠70°											
167.7		----------	P green rhyolitic tuff,massive											
		Rhyolitic	*168.9m w=1cm Mn-cal V. ∠40°											
170		(tuff)	*173.4m w=1cm Cal V. ∠40°											
180														
187.2		----------	Dp green Basalt,amygdule											
		Lava	*187.7 w=2cm Cal veinlet											
188.0		----------	P green rhyolitic tuff,soapy											
190		Rhyolitic	ditto tuff breccia											
		(tuff)												
192.0		----------	Gray monzonitic Porphyry											
		Intrusive				DF								
			*195.9~196.7m Cp-Py veinlets	w=0.5m		-06	195.90	196.70	0.80	0.1	3	0.00	0.02	0.02
			with undetermined stringer mineral	Net zone										
197.5		----------	P green rhyolitic tuff,soapy											
		Rhyolitic												
200		(tuff)												

~ ~argillic alteration ** propilitic alteration ×× silicification

(3/3)

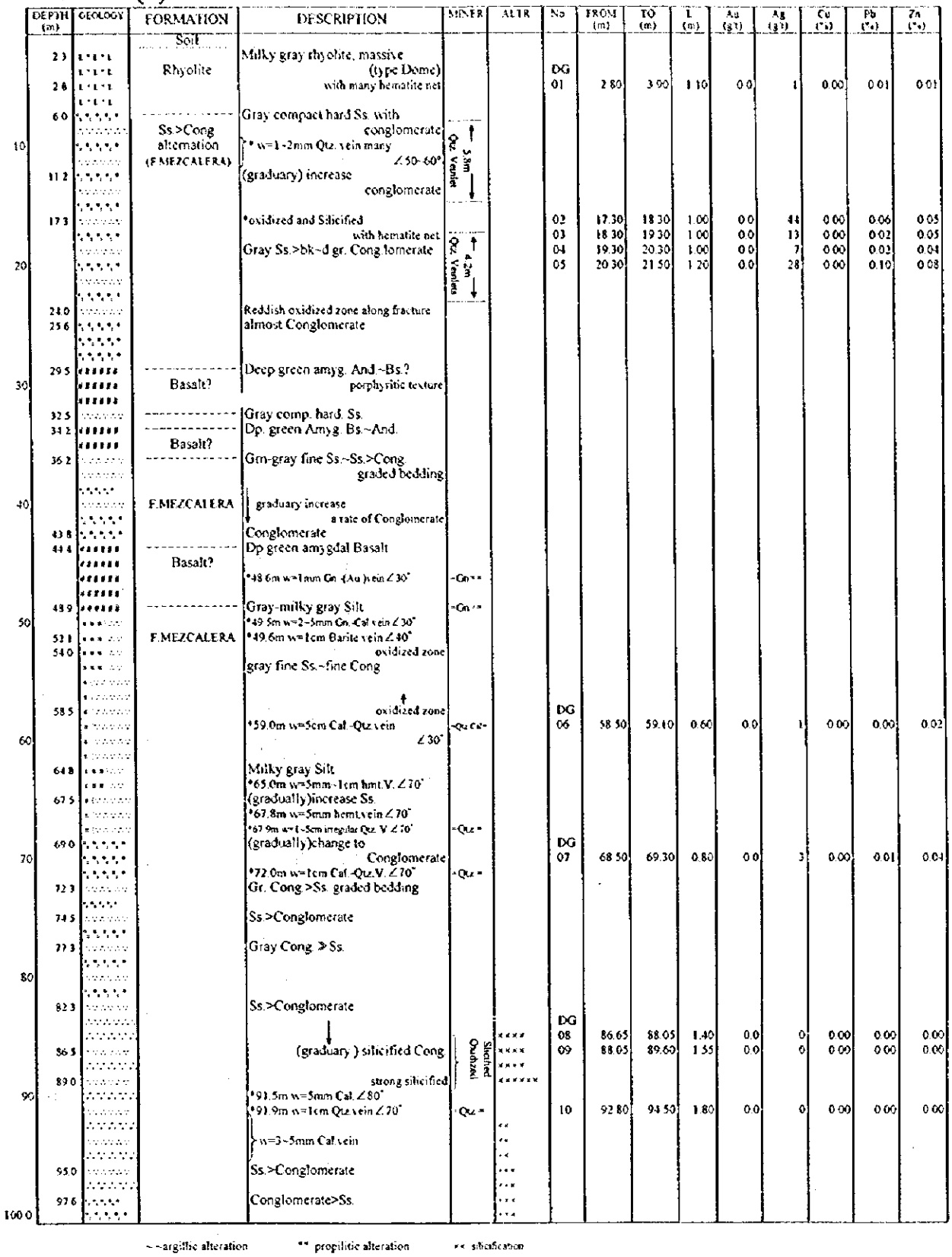
MJMI-5-(3)

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 (%)
		Rhyolitic (tuff)	P.greenish massive rhyolitic tuff											
			*203.6m W=5mm Gn-Sph veinlet ∠50°											
			*207.7m W=20cm ∠40°			DF								
216			Barite veinlets zone with Gn,Sph	=Gn=		-7	207.60	207.80	0.20	2.0	61	0.19	1.17	0.20
218.4		----------	Black conglomerate Φ1~2cm rarely Φ5~5cm											
		(F.MEZCALERA)												
220														
			Calcite nets											
			*223.4m W=2cm Barite veinlet ∠70°											
			*224.2m w=2cm Barite veinlet											
230			(Gradually) Reddish brown fine Conglomerate											
235.0		----------	Reddish brown Ms.											
		(F.MEZCALERA)	*236.3m w=3cm Cal.vein ∠50°											
240														
248.6		----------	Greenish gray Ss.											
250		(F.MEZCALERA)	*251.3~251.8m Barite net											
			*255.6~256.8m w=1~5mm Qtz veinlet with Sph ,Gn	<Gn=		DF-08	256.60	256.80	0.20	0.2	28	0.09	0.28	5.34
			*257.0~257.2m Barite veinlet ∠50° with Sph ,Gn	>Gn=		09	257.00	257.20	0.20	0.0	1	0.00	0.02	0.07
260														
261.0		----------	Reddish brown Andesitic lapilli tuff											
		(F.MEZCALERA)												
270														
275.0		----------	P.gray glass-patch tuff (Acidic pumice tuff)	////		DF 10	275.70	276.50	0.80	0.2	2	0.00	0.01	0.01
		(F.MEZCALERA)	*275.7~276.5m Veinlets zone ∠80° with Py>Gn,Cp											
278.7		----------	Reddish brown And. Lap tuff											
280		(F.MEZCALERA)				DF 11	284.80	284.85	0.05	0.1	4	0.00	0.06	0.03
			*284.8m w=5cm Qtz-brt Vein ∠70°	Qtz. Brt. Gn										
287.6		----------	Gray hornblende porphyry											
		Intrusive	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	Qtz. Brt. Gn										
293.5		----------	Black Mudstone											
		(F.MEZCALERA)												
299.1		----------	P.green Rhyolitic tuff											
300	300.0		Black Ms ,END											

~ ~ argillic alteration ** propilitic alteration ×× silicification

MJMI-6-(1) 0m-100m



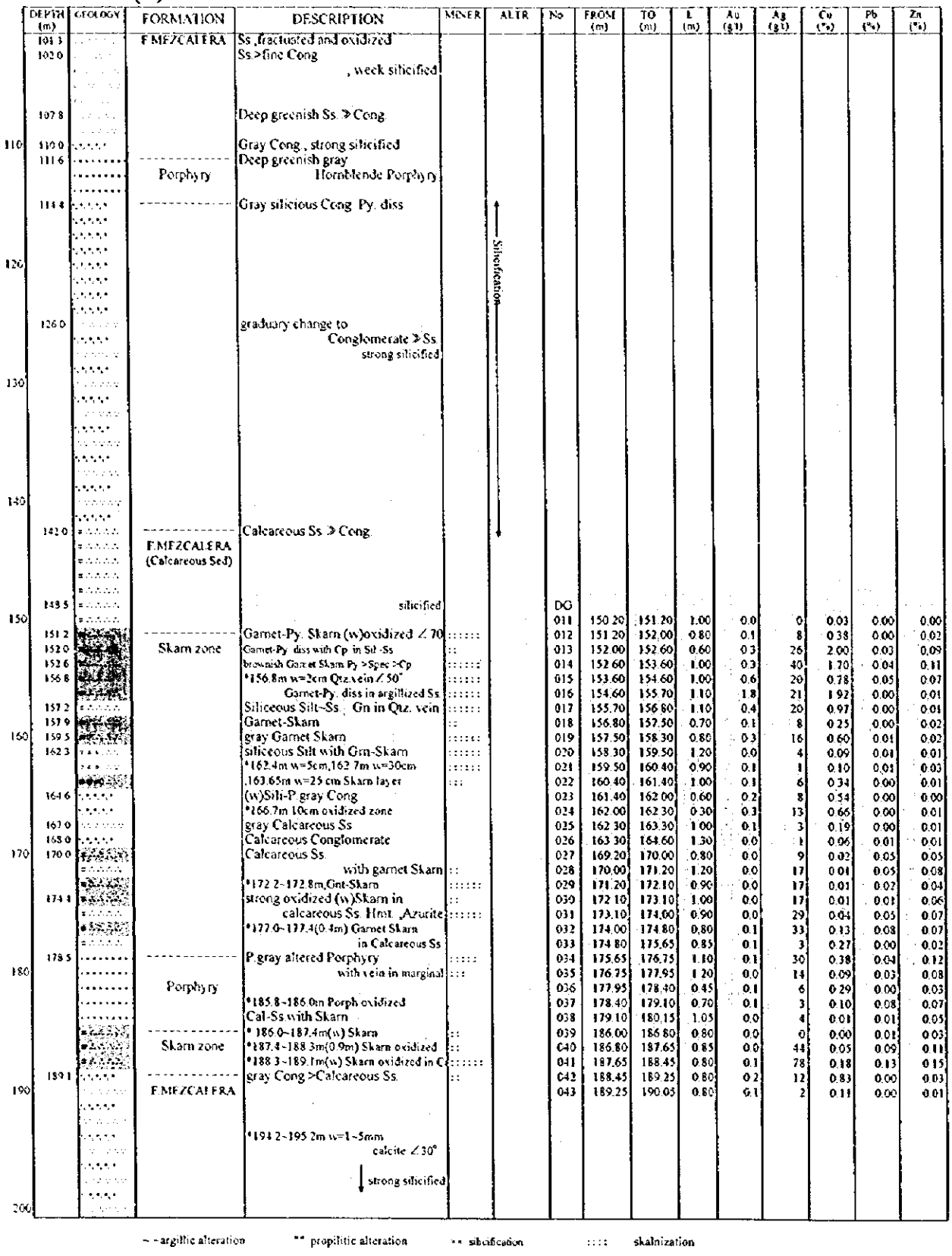
~ ~argillic alteration ** propilitic alteration ×× silicification

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

(2/3)

MJMI-6-(2)

100m-200m



No	FROM (m)	TO (m)	L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
DG								
011	150.20	151.20	1.00	0.0	0	0.03	0.00	0.00
012	151.20	152.00	0.80	0.1	8	0.38	0.00	0.02
013	152.00	152.60	0.60	0.3	26	2.00	0.03	0.09
014	152.60	153.60	1.00	0.3	40	1.70	0.04	0.11
015	153.60	154.60	1.00	0.6	20	0.78	0.05	0.07
016	154.60	155.70	1.10	1.8	21	1.92	0.00	0.01
017	155.70	156.80	1.10	0.4	20	0.97	0.00	0.01
018	156.80	157.50	0.70	0.1	8	0.25	0.00	0.02
019	157.50	158.30	0.80	0.3	16	0.60	0.01	0.02
020	158.30	159.50	1.20	0.0	4	0.09	0.01	0.01
021	159.50	160.40	0.90	0.1	1	0.10	0.01	0.03
022	160.40	161.40	1.00	0.1	6	0.34	0.00	0.01
023	161.40	162.00	0.60	0.2	8	0.54	0.00	0.00
024	162.00	162.30	0.30	0.3	13	0.66	0.00	0.01
025	162.30	163.30	1.00	0.1	3	0.19	0.00	0.01
026	163.30	164.60	1.30	0.0	1	0.06	0.01	0.01
027	169.20	170.00	0.80	0.0	9	0.02	0.05	0.05
028	170.00	171.20	1.20	0.0	17	0.01	0.05	0.08
029	171.20	172.10	0.90	0.0	17	0.01	0.02	0.04
030	172.10	173.10	1.00	0.0	17	0.01	0.01	0.06
031	173.10	174.00	0.90	0.0	29	0.04	0.05	0.07
032	174.00	174.80	0.80	0.1	33	0.13	0.08	0.07
033	174.80	175.65	0.85	0.1	3	0.27	0.00	0.02
034	175.65	176.75	1.10	0.1	30	0.38	0.04	0.12
035	176.75	177.95	1.20	0.0	14	0.09	0.03	0.08
036	177.95	178.40	0.45	0.1	6	0.29	0.00	0.03
037	178.40	179.10	0.70	0.1	3	0.10	0.08	0.07
038	179.10	180.15	1.05	0.0	4	0.01	0.01	0.05
039	186.00	186.80	0.80	0.0	0	0.00	0.01	0.03
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

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 (%)
		F.MEZCALERA	Gray strong silicified fine Conglomerate											
208.3			*Cp. along fracture											
208.4			strongly fractured zone (fault)											
210														
212.0			Mainly p. gray Conglomerate. with subangular fragment rich											
			(gradually)											
220			Gray Ss. Rich											
			*220.8m w=2~3cm Cal.vein ∠20°											
			*223.2m w=1cm Cal.vein ∠30 with Gn.,Cp.											
224.5			Ss.>Cong. Gray											
229.2			Milky colored Tuff(rhyolitic)											
229.6		F.MEZCALERA	Gray Cong.>Ss.											
230			(gradually)											
232.0			Ss.>Cong											
235.5			Gray Cong.>Ss.,silicified											
240														
			*223.2m w=5mm~1cm Py.(Cp)V. parallel to core											
244.3			Taffacious Cng.,Py.vein ∠20°											
						DG								
249.4			Fine taffacious Cong.~Ss. with	= = =		044	249.50	250.40	0.90	0.1	5	0.01	0.02	0.09
250			*249.6m w=1cm Cal.with Py.≫(Zn)∠70			045	251.30	252.20	0.90	0.0	1	0.01	0.00	0.01
251.3			TF/Ss. alt'n.	:::		046	252.20	253.20	1.00	0.0	0	0.01	0.00	0.00
252.2		Skarn zone	Garnet Skarn in parallel to bedding ∠45~50°	:::		047	253.20	253.90	0.70	0.0	0	0.02	0.00	0.00
253.9		(Calcareous Sed)	(weak) Skarn in Ss./Silt with Py.≫(Cp)∠60°	:::		048	253.90	254.80	0.90	0.0	0	0.03	0.00	0.00
				::		049	254.80	255.80	1.00	0.0	0	0.04	0.00	0.00
				::		050	255.80	256.40	0.60	0.1	0	0.07	0.00	0.00
258.4			P.gray sil- Ss. Py.≫(Cp)	:		051	256.40	257.40	1.00	0.0	0	0.04	0.00	0.00
258.9			Garnet Skarn	::::::		052	257.40	258.40	1.00	0.1	0	0.07	0.00	0.00
260 260.2			Pink Pl-Hb porph. with garnet Pot	::::::		053	258.40	258.90	0.50	0.0	0	0.01	0.00	0.00
261.5		Porphyry	Pink fresh Porphyry	::		054	258.90	260.20	1.30	0.0	0	0.00	0.00	0.00
263.15			Garnet Skarn≫Ss.	::		055	260.20	261.50	1.30	0.0	0	0.00	0.00	0.00
		Skarn zone		::::		056	263.15	264.00	0.85	0.0	0	0.00	0.00	0.00
265.2			Silt~Ss. with (w) Skarn	:::		057	264.00	265.20	1.20	0.0	0	0.02	0.00	0.00
266.1			P.green Ss. with Skarn lens	::::::		058	265.20	266.10	0.90	0.1	1	0.14	0.00	0.00
267.2		F.MEZCALERA	Fine Cong.~Ss. alt'n.			059	266.10	266.40	0.30	0.0	0	0.01	0.00	0.00
268.5			strong silicified by Hornfels Pot.			060	266.40	267.20	0.80	0.0	0	0.01	0.00	0.00
270														
272.0			Ss.>Cong. (graduary)		hornfels									
279.0			Mainly Conglomerate											
280						DG								
281.0			Ss.≫Cong.,strong hornfels			061	281.05	281.60	0.55	0.0	0	0.01	0.00	0.00
285.0			(graduary) increase Ss.			DG								
						062	286.50	287.50	1.00	0.0	1	0.03	0.00	0.00
286.5			Strong silicified(Hf) Ss.~	:::		063	287.50	288.50	1.00	0.0	0	0.02	0.00	0.00
			taff-Ss.with garnet skarn	:::		064	288.50	289.50	1.00	0.0	2	0.07	0.00	0.01
290			along bedding Pot.,Py.	:::		065	289.50	290.30	0.80	0.0	3	0.07	0.00	0.00
290.8			(graduary) increase Skarn	::::		066	290.30	291.00	0.70	0.0	2	0.08	0.00	0.00
		Skarn zone		::::		067	291.00	292.00	1.00	0.1	2	0.12	0.00	0.02
293.1			Garnet-Cal Skarn with Py.≫Pot.	::::		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
294.5			Mainly Ss. with Skarn lens	:::::::		070	294.50	295.10	0.60	0.1	2	0.12	0.00	0.01
		(Calcareous Sed)		::		071	295.10	296.10	1.00	0.0	2	0.07	0.00	0.01
297.1			Dacite~Rhyolite intrusive	::		072	296.10	297.10	1.00	0.0	1	0.04	0.01	0.02
300		Rhyolite	milky gray-white,Qtz. phenocrysts			073	297.10	298.10	1.00	0.0	0	0.00	0.00	0.00

~ ~argillic alteration ** propilitic alteration ×× silicification :::: skalnization

(1／3)

MJMI-7-(1) 0m-100m

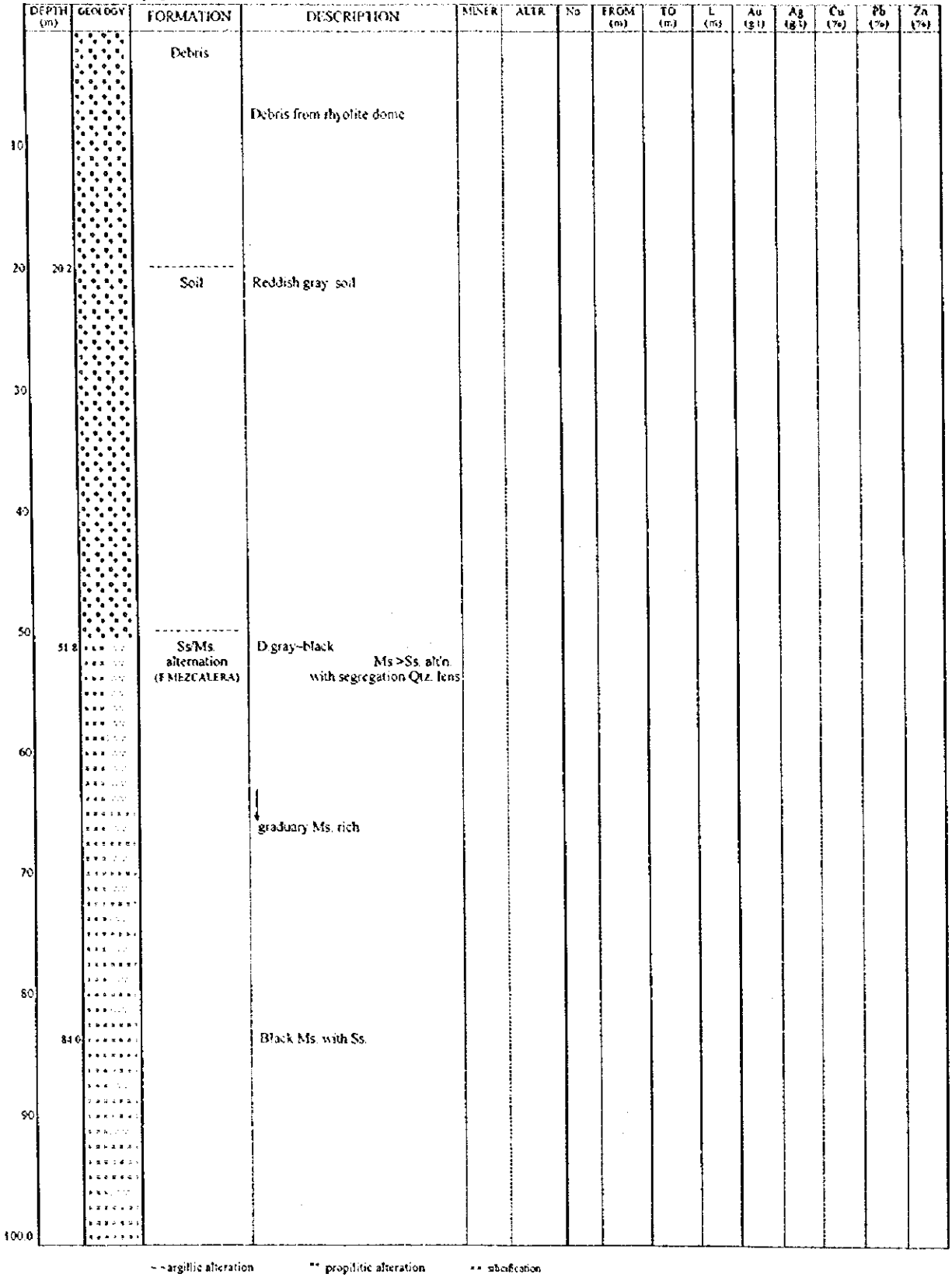
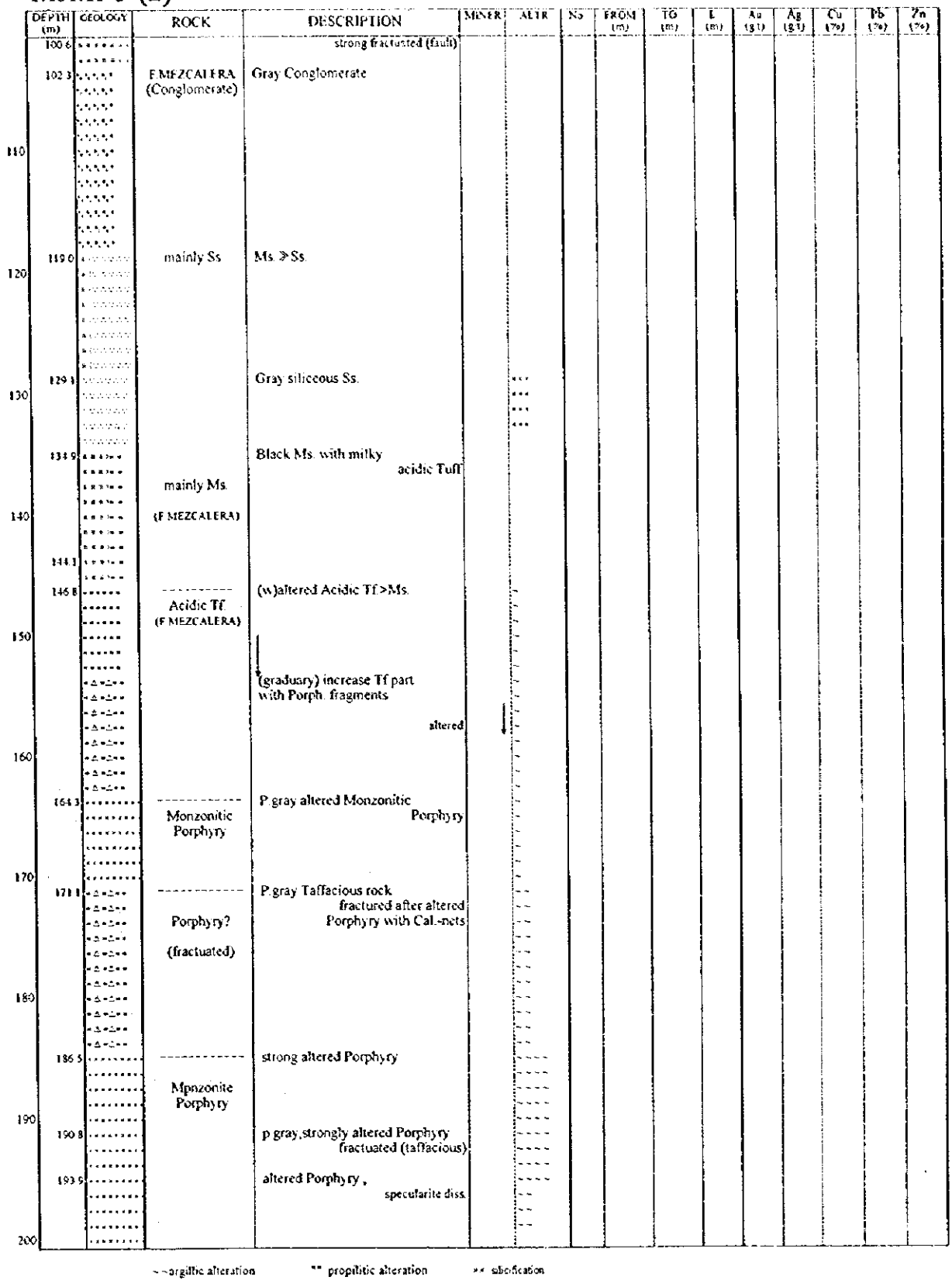


Fig.II-2-14 COLUMNA DE LA PERFORACION DEL BARRENO MJMI-7

MJMI-3-(2)

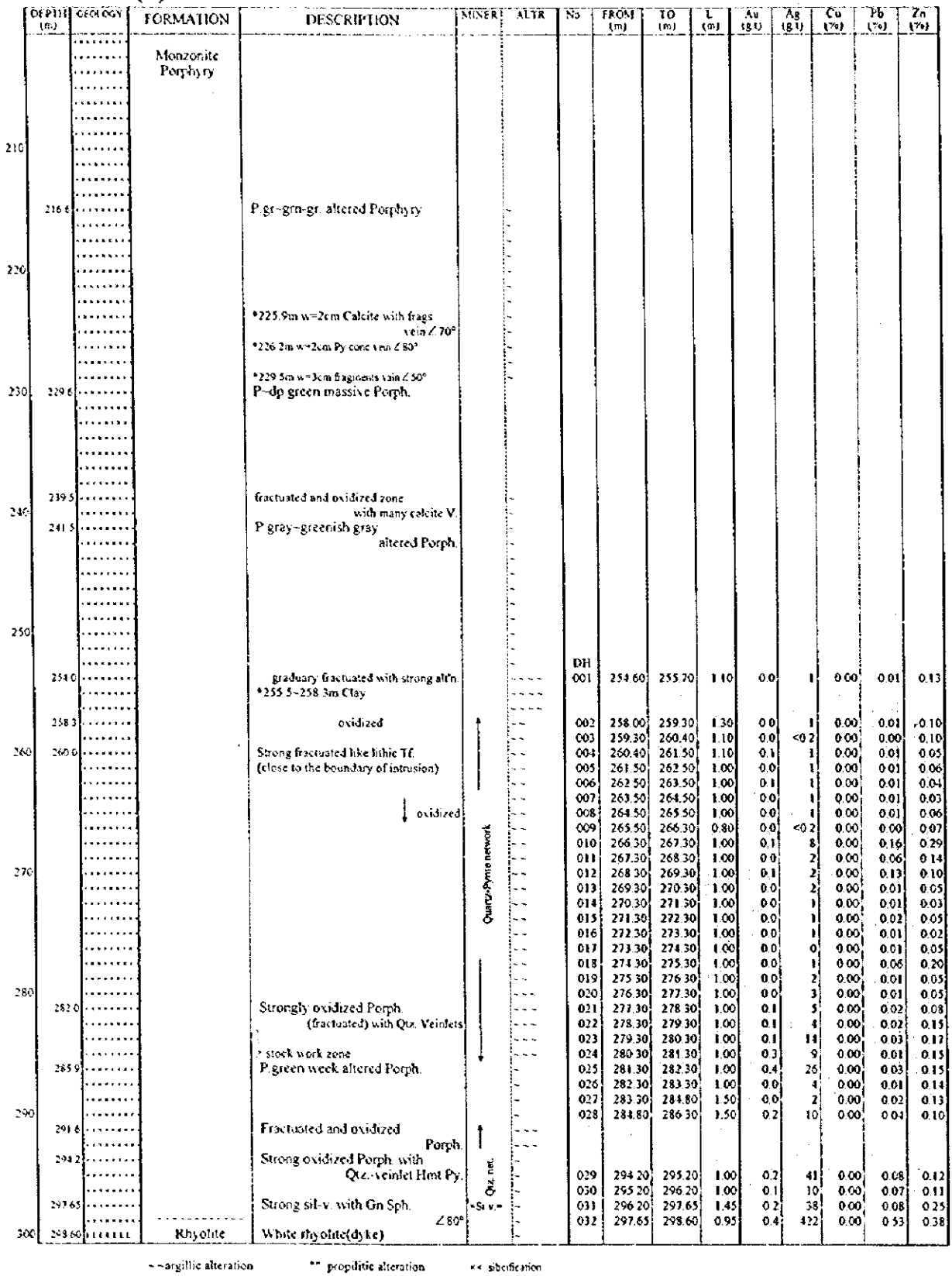
100m-200m



(3/3)

MJMI-7-(3)

200m-300m



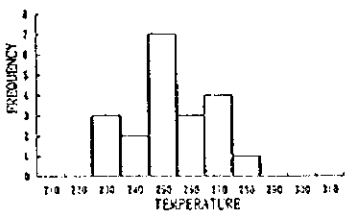
~ ~argillic alteration ** propilitic alteration << silicification

Homogenization Temperature and the Histgram

Sample No. F-1

No	Mineral	Size (mμ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Quartz	35.0	17	irr	272	-0.2	0.35
2	Quartz	12.5	17	irr	266	-0.4	0.71
3	Quartz	22.5	15	po	278	-1.0	1.91
4	Quartz	17.5	15	po	273	-0.4	0.71
5	Quartz	12.5	10	po	235	-0.1	0.18
6	Quartz	7.5	12	po	238	-	-
7	Quartz	5.0	12	eg	251	-	-
8	Quartz	12.5	12	po	241	-0.4	0.71
9	Quartz	10.0	12	po	283	-0.2	0.35
10	Quartz	10.0	10	po	259	-0.4	0.71
11	Quartz	7.5	10	po	253	-	-
12	Quartz	12.5	12	irr	246	-0.4	0.71
13	Quartz	22.5	13	irr	255	-0.9	1.57
14	Quartz	22.5	12	irr	251	-0.9	1.57
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: triangle tu: tubu wg: wedge



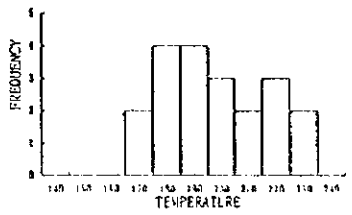
MINERAL	Quartz
NUMBER	20 個
MAXIMUM	283 ℃
MINIMUM	235 ℃
MEAN	257.9 ℃
S. DEVIATION	14.0

Homogenization Temperature and the Histgram

Sample No. F-2

No	Mineral	Size (mμ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Calcite	12.5	10	irr	212	-0.8	1.40
2	Calcite	7.5	12	po	239	-0.9	1.57
3	Calcite	7.5	10	po	203	-0.9	1.57
4	Calcite	10.0	7	eg	175	-1.1	1.91
5	Calcite	7.5	7	eg	183	-0.9	1.57
6	Calcite	7.5	7	po	223	-0.9	1.57
7	Calcite	12.5	10	irr	191	-0.9	1.57
8	Calcite	7.5	7	irr	193	-0.8	1.40
9	Calcite	10.0	12	sq	229	-1.0	1.74
10	Calcite	12.5	7	irr	172	-1.1	1.91
11	Calcite	7.5	10	po	202	-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	191	-	-
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	1.57
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: triangle tu: tubu wg: wedge



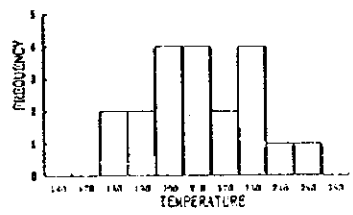
MINERAL	Quartz
NUMBER	20 個
MAXIMUM	239 ℃
MINIMUM	172 ℃
MEAN	201.9 ℃
S. DEVIATION	19.3

Homogenization Temperature and the Histgram

Sample No. F-4

No.	Mineral	Size (mμ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	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	234	-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	235	-	-
18	Quartz	5.0	12	po	213	-	-
19	Quartz	17.5	10	irr	213	0.0	0.00
20	Quartz	5.0	10	po	213	-	-
							0.03

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



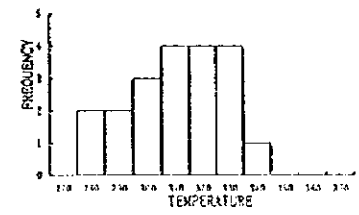
MINERAL	Quartz
NUMBER	20 個
MAXIMUM	257 ℃
MINIMUM	181 ℃
MEAN	215.6 ℃
S. DEVIATION	19.7

Homogenization Temperature and the Histgram

Sample No. F-5

No.	Mineral	Size (mμ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Quartz	30.0	20	irr	312	0.0	0.00
2	Quartz	25.0	17	irr	283	-	-
3	Quartz	5.0	12	eg	331	-	-
4	Quartz	32.5	13	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	321	-	-
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	334	-	-
11	Quartz	7.5	20	po	293	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	289	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	-	-
							0.03

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



MINERAL	Quartz
NUMBER	20 個
MAXIMUM	347 ℃
MINIMUM	289 ℃
MEAN	315.2 ℃
S. DEVIATION	17.0

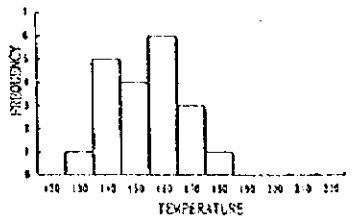
Fig.II-2-15 HISTOGRAMA DE LA TEMPERATURA DE INCLUSION FLUIDA

Homogenization Temperature and the Histgram

Sample No. F-6

No.	Mineral	Size (m.μ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Calcite	25.0	10	po	155	-3.9	3.23
2	Calcite	12.5	10	po	162	-2.1	3.55
3	Calcite	30.0	10	irr	154	-3.9	3.33
4	Calcite	22.5	7	irr	138	-3.9	3.33
5	Calcite	10.0	10	po	149	-3.3	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	-2.8	3.71
10	Calcite	5.0	10	po	155	-	-
11	Calcite	5.0	10	po	150	-	-
12	Calcite	8.0	12	sq	181	-	-
13	Calcite	31.5	7	tu	167	-3.1	3.55
14	Calcite	30.0	10	tu	170	-3.9	3.33
15	Calcite	5.0	10	po	162	-	-
16	Calcite	5.0	7	po	153	-	-
17	Calcite	7.5	10	po	163	-2.3	3.83
18	Calcite	5.0	7	po	144	-	-
19	Calcite	27.5	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: tubu wg: wedge



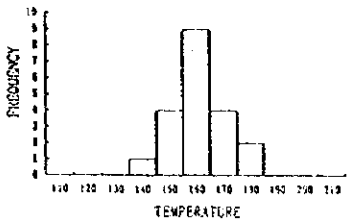
MINERAL Quartz
NUMBER 20 個
MAXIMUM 181 ℃
MINIMUM 138 ℃
MEAN 155.1 ℃
S. DEVIATION 11.2

Homogenization Temperature and the Histgram

Sample No. F-7

No.	Mineral	Size (m.μ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Calcite	15.0	10	po	189	-13.6	17.43
2	Calcite	7.5	7	sq	171	-14.0	17.79
3	Calcite	22.5	12	irr	153	-12.2	16.15
4	Calcite	22.5	10	po	161	-13.1	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	168	-12.6	16.53
10	Calcite	10.0	12	po	178	-13.4	17.26
11	Calcite	7.5	10	po	176	-	-
12	Calcite	30.0	10	irr	158	-10.9	14.87
13	Calcite	35.0	7	irr	149	-10.0	13.94
14	Calcite	32.5	10	irr	155	-11.8	15.57
15	Calcite	33.5	12	po	188	-10.8	14.92
16	Calcite	10.0	10	po	177	-10.9	19.66
17	Calcite	5.0	10	po	165	-	-
18	Calcite	17.5	12	irr	160	-13.8	17.64
19	Calcite	22.5	7	irr	181	-11.4	15.37
20	Calcite	5.0	10	sq	168	-	-
							16.84

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



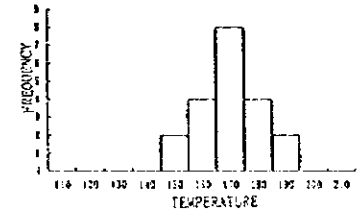
MINERAL Quartz
NUMBER 20 個
MAXIMUM 189 ℃
MINIMUM 149 ℃
MEAN 165.0 ℃
S. DEVIATION 10.1

Homogenization Temperature and the Histgram

Sample No. F-5

No	Mineral	Size (m.μ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Quartz	35.0	10	po	173	-0.5	0.18
2	Quartz	37.5	10	po	172	0.0	0.00
3	Quartz	35.0	10	tu	157	-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	19.5	12	po	194	-0.5	0.88
7	Quartz	12.5	7	tu	165	-0.1	0.18
8	Quartz	22.5	10	irr	172	-0.4	0.71
9	Quartz	27.5	7	irr	174	-0.5	0.88
10	Quartz	12.5	7	irr	172	-0.4	0.71
11	Quartz	10.0	19	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	158	-	-
15	Quartz	27.5	10	irr	162	-0.5	0.88
16	Quartz	22.5	12	irr	174	-0.4	0.71
17	Quartz	20.0	20	irr	159	-0.5	0.88
18	Quartz	7.5	12	po	193	-0.2	0.35
19	Quartz	5.0	13	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: tubu wg: wedge



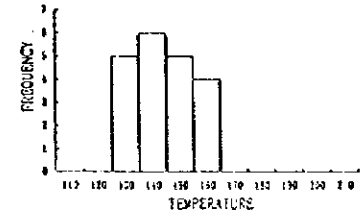
MINERAL Quartz
NUMBER 20 個
MAXIMUM 194 ℃
MINIMUM 157 ℃
MEAN 175.3 ℃
S. DEVIATION 10.6

Homogenization Temperature and the Histgram

Sample No. F-8

No.	Mineral	Size (m.μ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Quartz	45.0	15	irr	154	0.0	0.00
2	Quartz	5.0	7	po	149	-	-
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	13.5	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: tubu wg: wedge



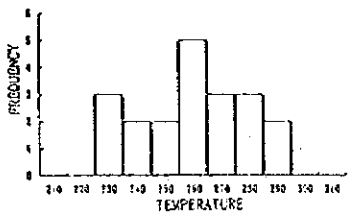
MINERAL Quartz
NUMBER 20 個
MAXIMUM 159 ℃
MINIMUM 132 ℃
MEAN 148.3 ℃
S. DEVIATION 11.8

Homogenization Temperature and the Histgram

Sample No. : F-10

No.	Mineral	Size (mμ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Quartz	17.5	10	irr	236	-3.2	5.26
2	Quartz	5.0	12	pg	263	-1.9	3.23
3	Quartz	12.5	15	po	264	–	–
4	Quartz	25.0	15	irr	293	-8.8	12.62
5	Quartz	10.0	20	irr	234	-7.9	11.58
6	Quartz	7.5	17	po	287	-2.8	3.55
7	Quartz	5.0	13	po	249	-1.9	3.23
8	Quartz	5.0	10	po	235	–	–
9	Quartz	5.0	10	eg	234	–	–
10	Quartz	5.0	12	eg	258	–	–
11	Quartz	5.0	12	eg	266	–	–
12	Quartz	32.5	17	irr	285	-1.8	3.06
13	Quartz	10.0	15	irr	268	-1.5	2.57
14	Quartz	5.0	12	eg	272	–	–
15	Quartz	5.0	10	eg	264	–	–
16	Quartz	13.5	17	irr	266	-2.9	4.90
17	Quartz	10.0	15	po	277	-8.2	11.93
18	Quartz	5.0	12	po	263	–	–
19	Quartz	5.0	15	po	272	–	–
20	Quartz	5.0	13	po	255	–	–
							0.18

eg: egg irr : irregular po :polyaorph sq:square tr:triangle tu:tubu wg:wedge



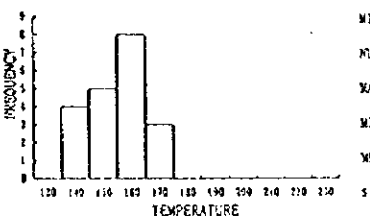
MINERAL Quartz
NUMBER 20 個
MAXIMUM 294 ℃
MINIMUM 234 ℃
MEAN 264.8 ℃
S. DEVIATION 18.9

Homogenization Temperature and the Histgram

Sample No. F-11

No.	Mineral	Size (mμ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	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	7.5	10	po	173	-1.1	1.91
5	Quartz	5.0	7	eg	166	–	–
6	Quartz	5.0	5	eg	151	–	–
7	Quartz	17.5	10	irr	162	-1.6	2.74
8	Quartz	10.0	10	irr	152	-1.4	2.41
9	Quartz	10.0	7	irr	141	-1.5	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	1.57
13	Quartz	15.0	7	irr	160	-1.0	1.74
14	Quartz	5.0	7	po	166	–	–
15	Quartz	5.0	5	po	165	–	–
16	Quartz	12.5	10	po	172	-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 :polyaorph sq:square tr:triangle tu:tubu wg:wedge



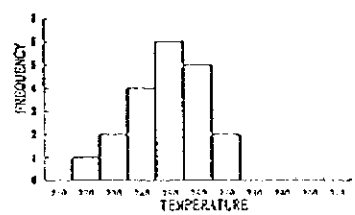
MINERAL Quartz
NUMBER 20 個
MAXIMUM 177 ℃
MINIMUM 141 ℃
MEAN 158.3 ℃
S. DEVIATION 10.5

Homogenization Temperature and the Histgram

Sample No. F-12

No.	Mineral	Size (mμ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Quartz	37.5	17	irr	267	0.0	0.00
2	Quartz	12.5	10	irr	254	-0.1	0.18
3	Quartz	5.0	7	po	268	–	–
4	Quartz	5.0	7	po	252	–	–
5	Quartz	7.5	5	po	240	–	–
6	Quartz	22.5	12	irr	251	0.0	0.00
7	Quartz	12.5	10	irr	266	0.0	0.00
8	Quartz	30.0	15	irr	259	0.0	0.00
9	Quartz	17.5	10	irr	232	-0.1	0.18
10	Quartz	5.0	5	po	249	–	–
11	Quartz	5.0	5	po	260	–	–
12	Quartz	5.0	3	po	237	–	–
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	27.5	15	irr	277	0.0	0.00
17	Quartz	20.0	12	irr	241	-0.1	0.18
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 :polyaorph sq:square tr:triangle tu:tubu wg:wedge



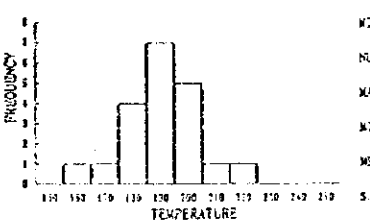
MINERAL Quartz
NUMBER 20 個
MAXIMUM 277 ℃
MINIMUM 228 ℃
MEAN 253.6 ℃
S. DEVIATION 13.0

Homogenization Temperature and the Histgram

Sample No. F-13

No.	Mineral	Size (mμ)	Volume ratio (%)	Form	Temperature (℃)	Melting Temp (℃)	NaCl Wt (%)
1	Quartz	15.0	10	irr	195	-10.3	14.25
2	Quartz	17.5	10	po	193	-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	206	-10.8	14.64
8	Quartz	17.5	12	po	221	-8.8	12.62
9	Quartz	12.5	10	sq	212	-10.1	14.04
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	206	-8.8	12.62
14	Quartz	10.0	10	po	193	-8.4	12.15
15	Quartz	10.0	10	po	192	-8.5	12.23
16	Quartz	22.5	13	po	204	-10.8	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	198	–	–
							13.50

eg: egg irr : irregular po :polyaorph sq:square tr:triangle tu:tubu wg:wedge



MINERAL Quartz
NUMBER 20 個
MAXIMUM 224 ℃
MINIMUM 155 ℃
MEAN 194.8 ℃
S. DEVIATION 13.2

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 %	BaSO4 %calc.
CI-001	<5	82.2	94	<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	94	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	W 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

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

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

顕 微 鏡 写 真

(Photomicrograph)

付－４３ 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

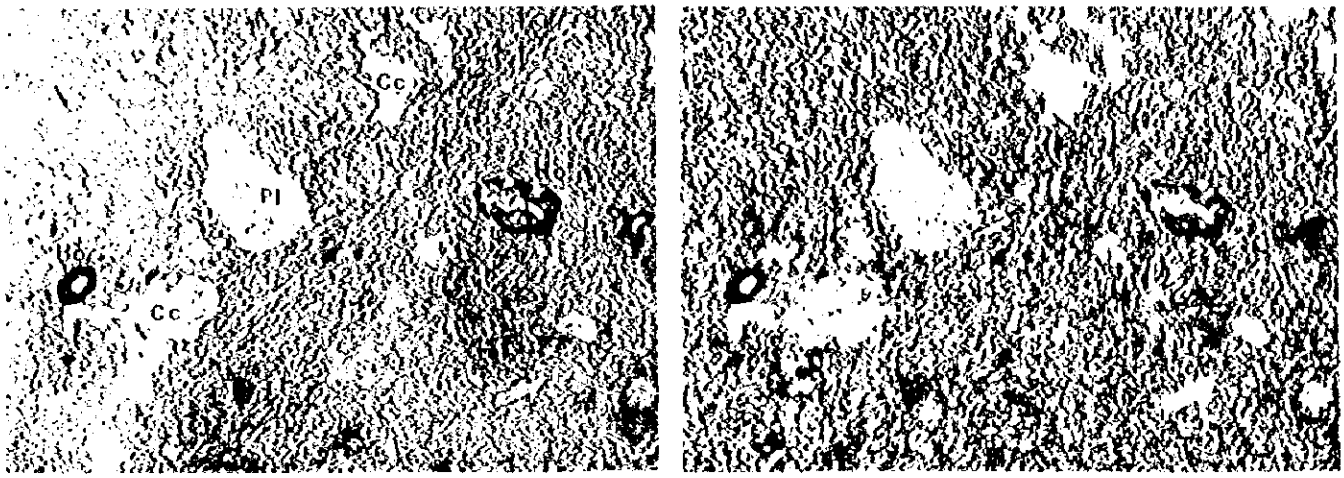
付－４４ 鉱石研磨片(Polished section)

(Sample locality)

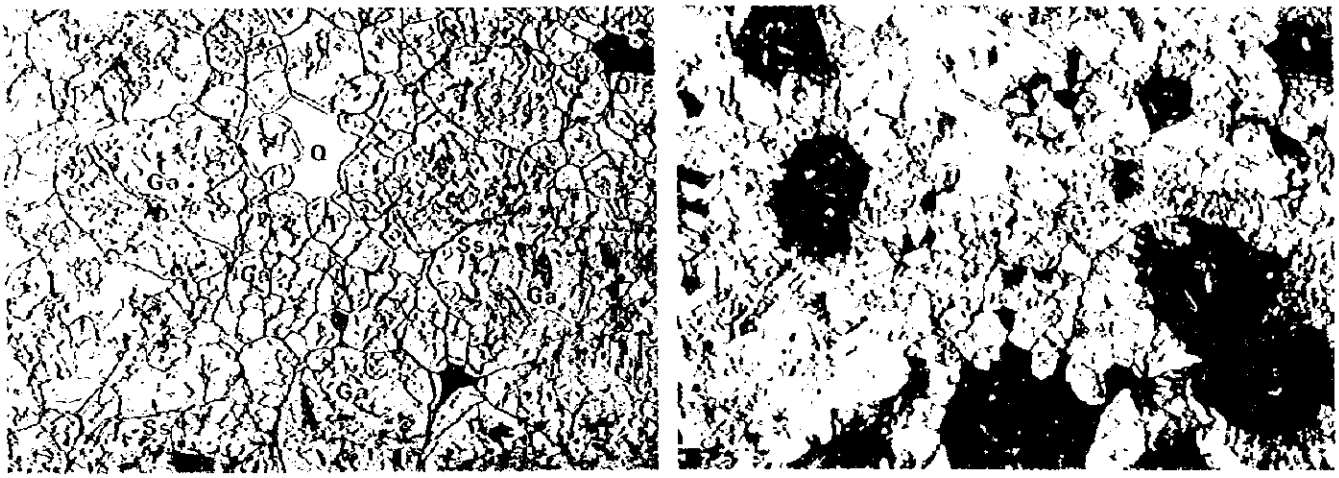
MJMI-3 246.9m , MJMI-4 121.5m
MJMI-5 159.1m , MJMI-6 156.6m
MJMI-7 298.2m , Outcrop of Skarn

(abbreviation)

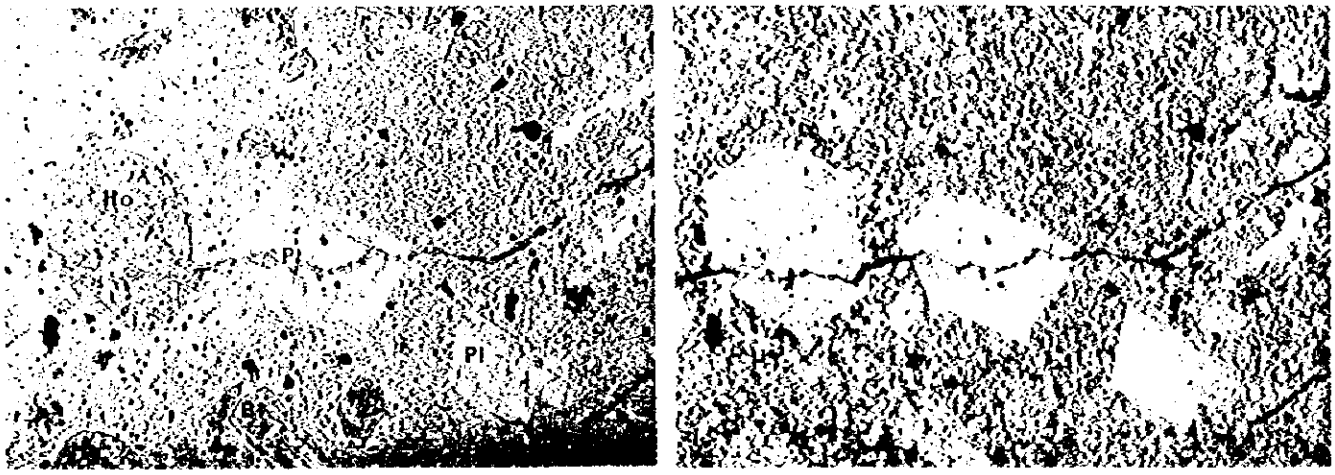
Sph : Sphalerite , Gn : Galena , Py : Pyrite , As-Py : Arsenopyrite
Cp : Chalcopyrite , Tet : Tetrahedrite , Ag : Ag-mineral , El : Electrum



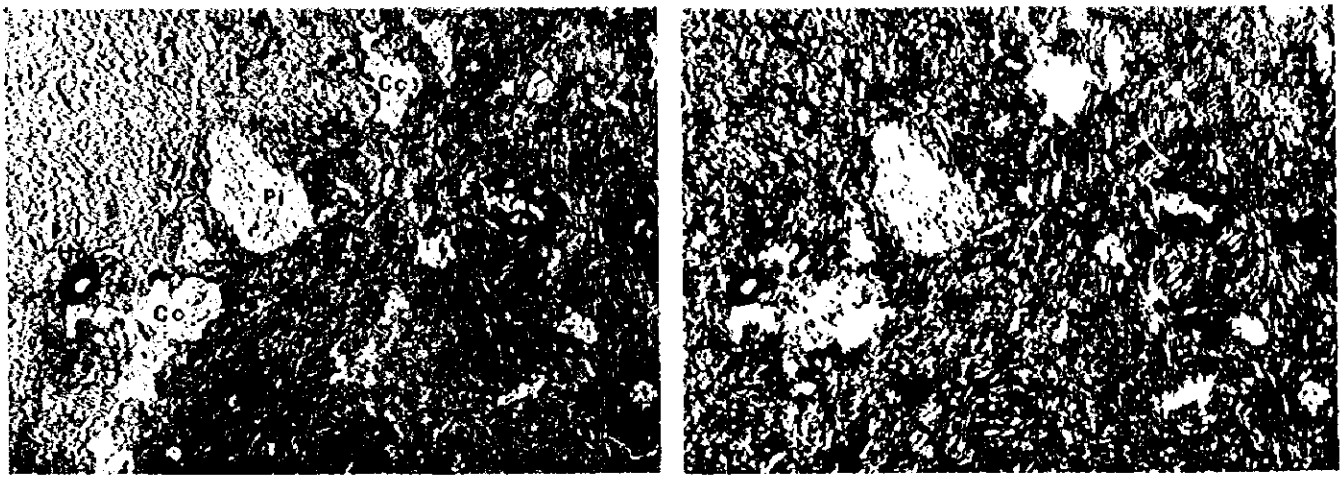
MJMI-1 188.1m (T-1)



MJMI-6 156.6m (T-12)

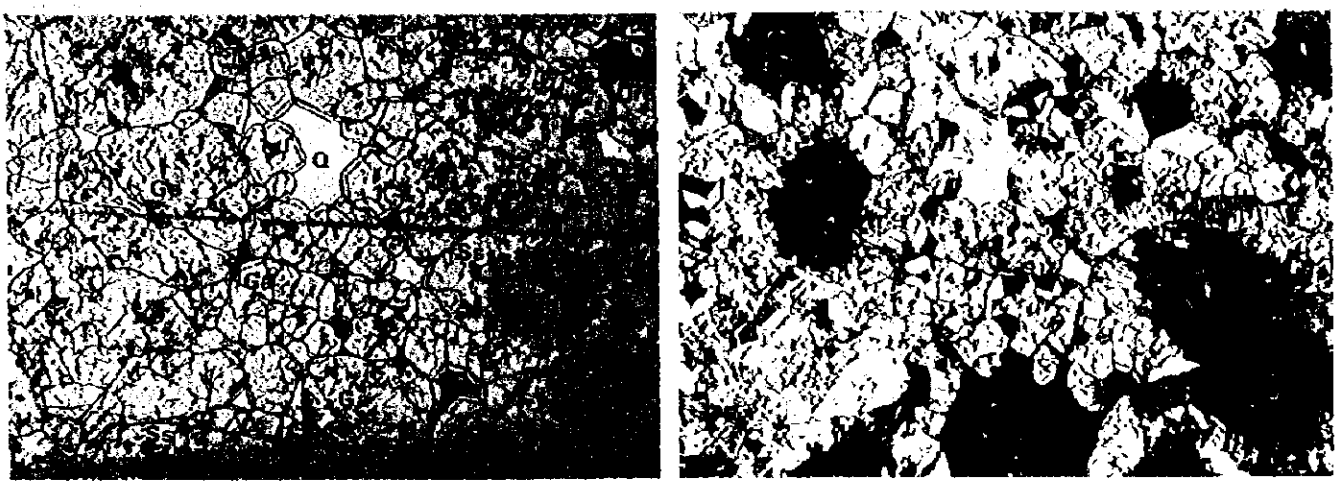


MJMI-7 299.5m (T-15)



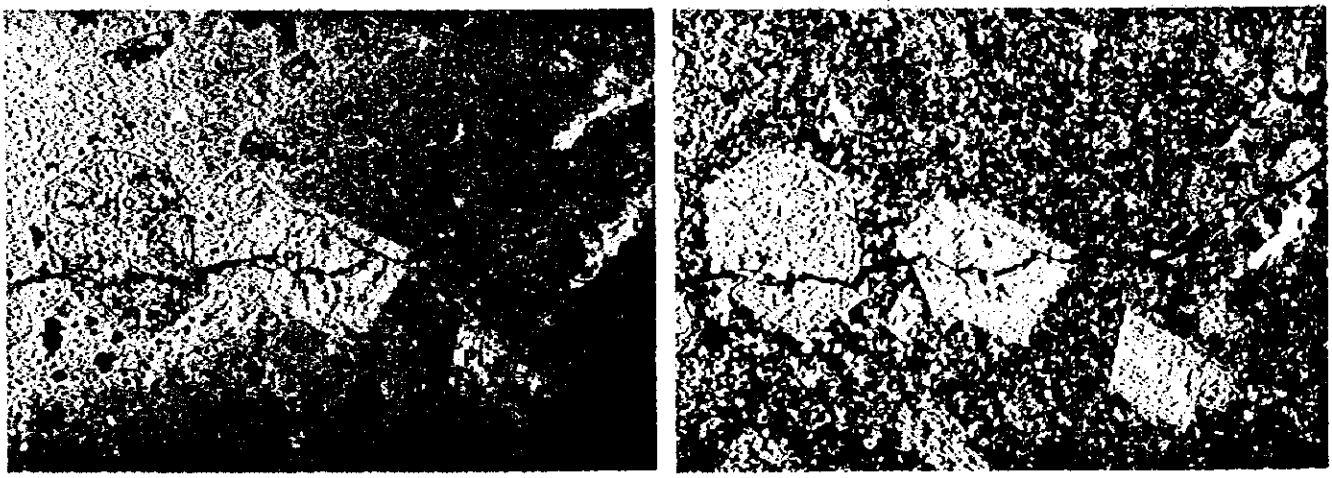
MJMI-1 188.1m (T-1)

0 0.2mm



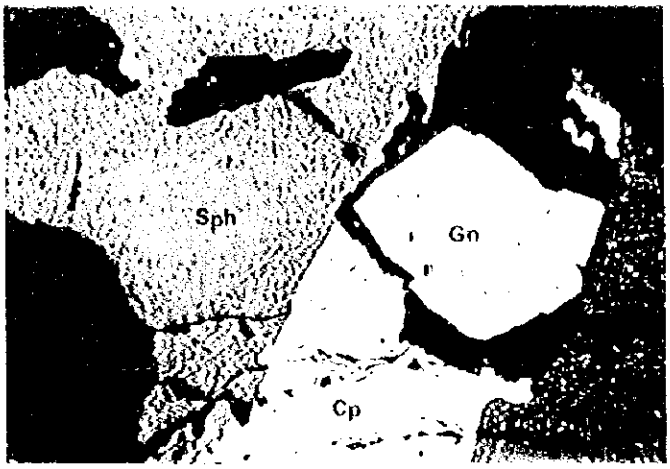
MJMI-6 156.6m (T-12)

0 0.2mm

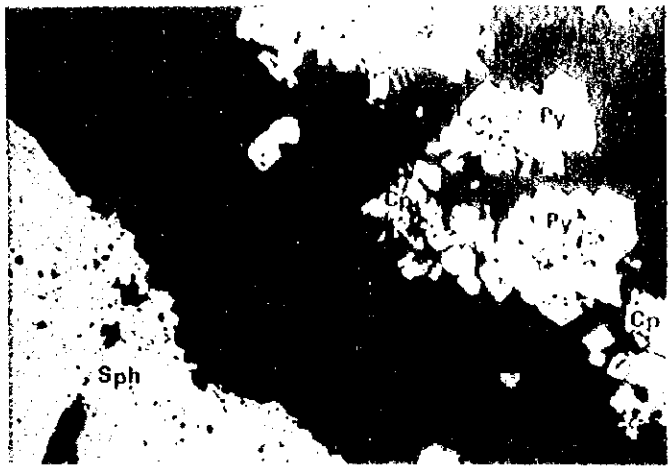


MJMI-7 299.5m (T-15)

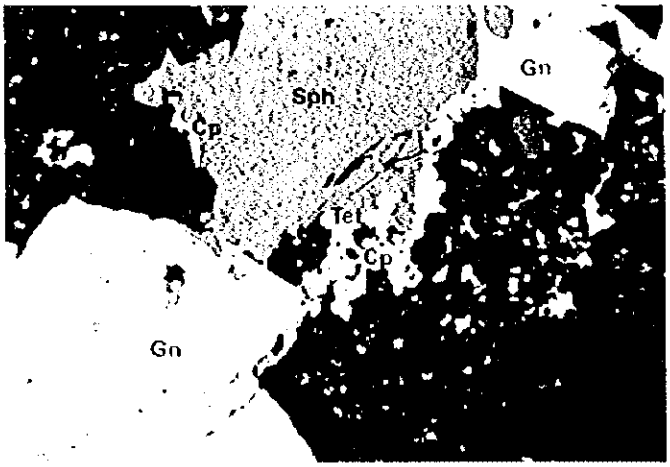
0 0.2mm



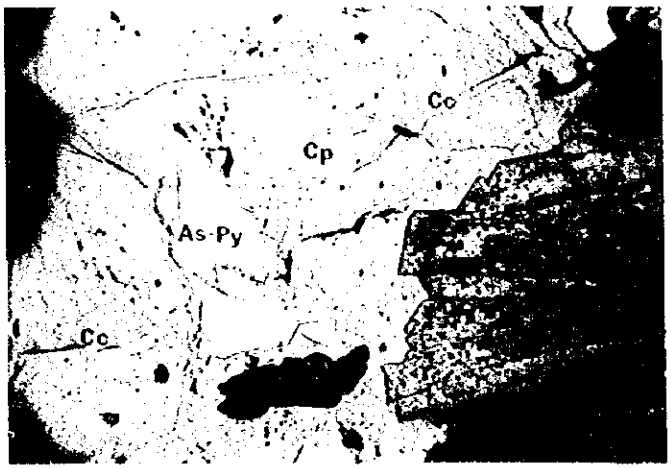
MJMI-3 246.9m (P-6)



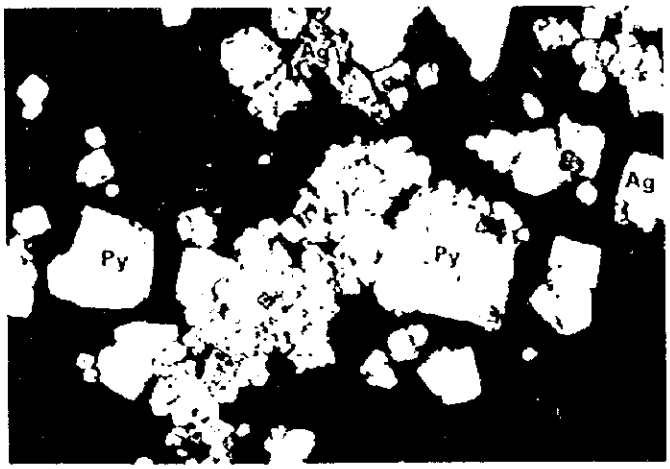
MJMI-4 121.5m (P-7)



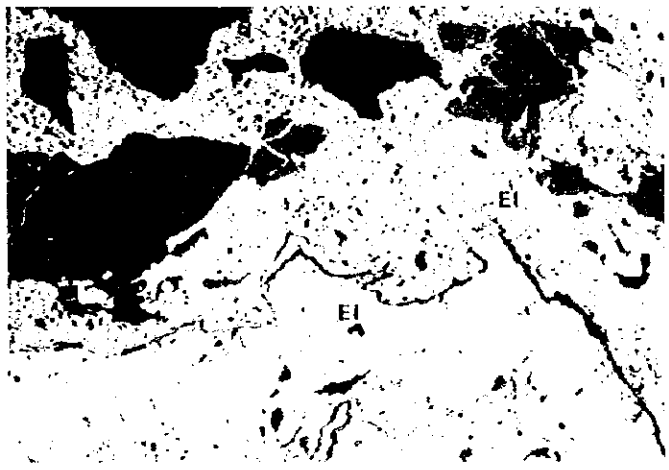
MJMI-5 159.1m (P-9)



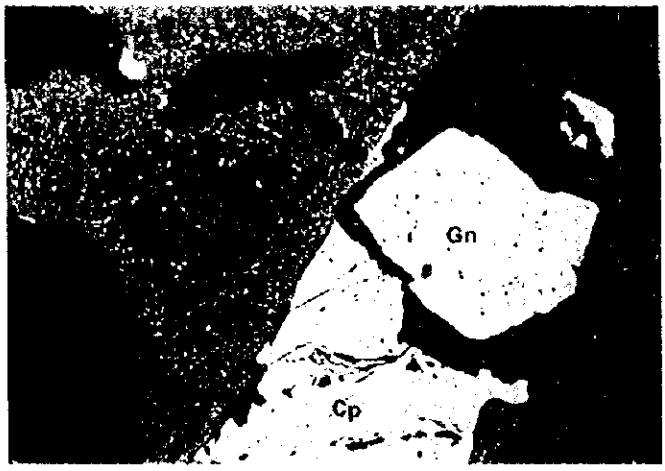
MJMI-6 156.6m (P-10)



MJMI-7 298.2m (P-11)

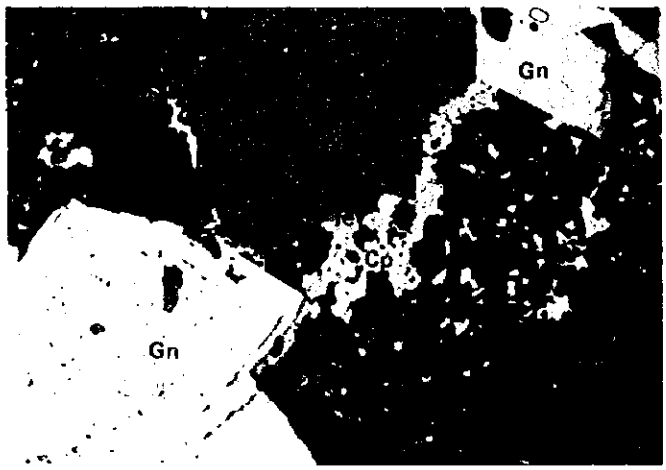


Outcrop of Skarn (P-12)



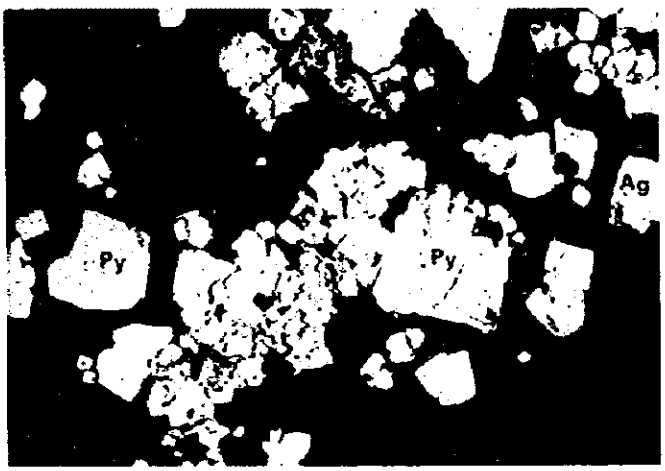
MJMI-3 246.9m (P-6) 0 0.2mm

MJMI-4 121.5m (P-7) 0 0.2mm

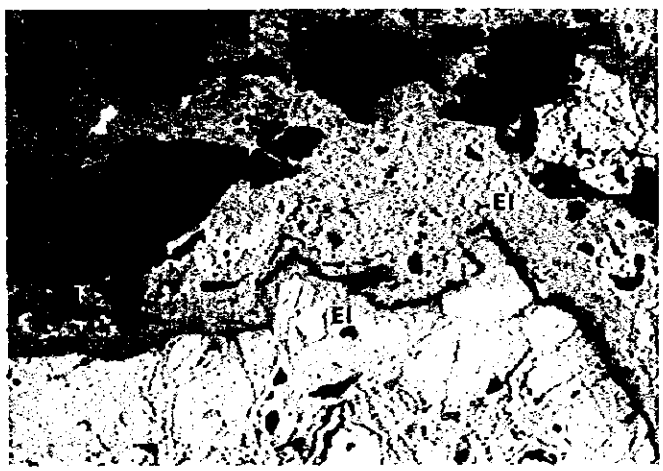


MJMI-5 159.1m (P-9) 0 0.1mm

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