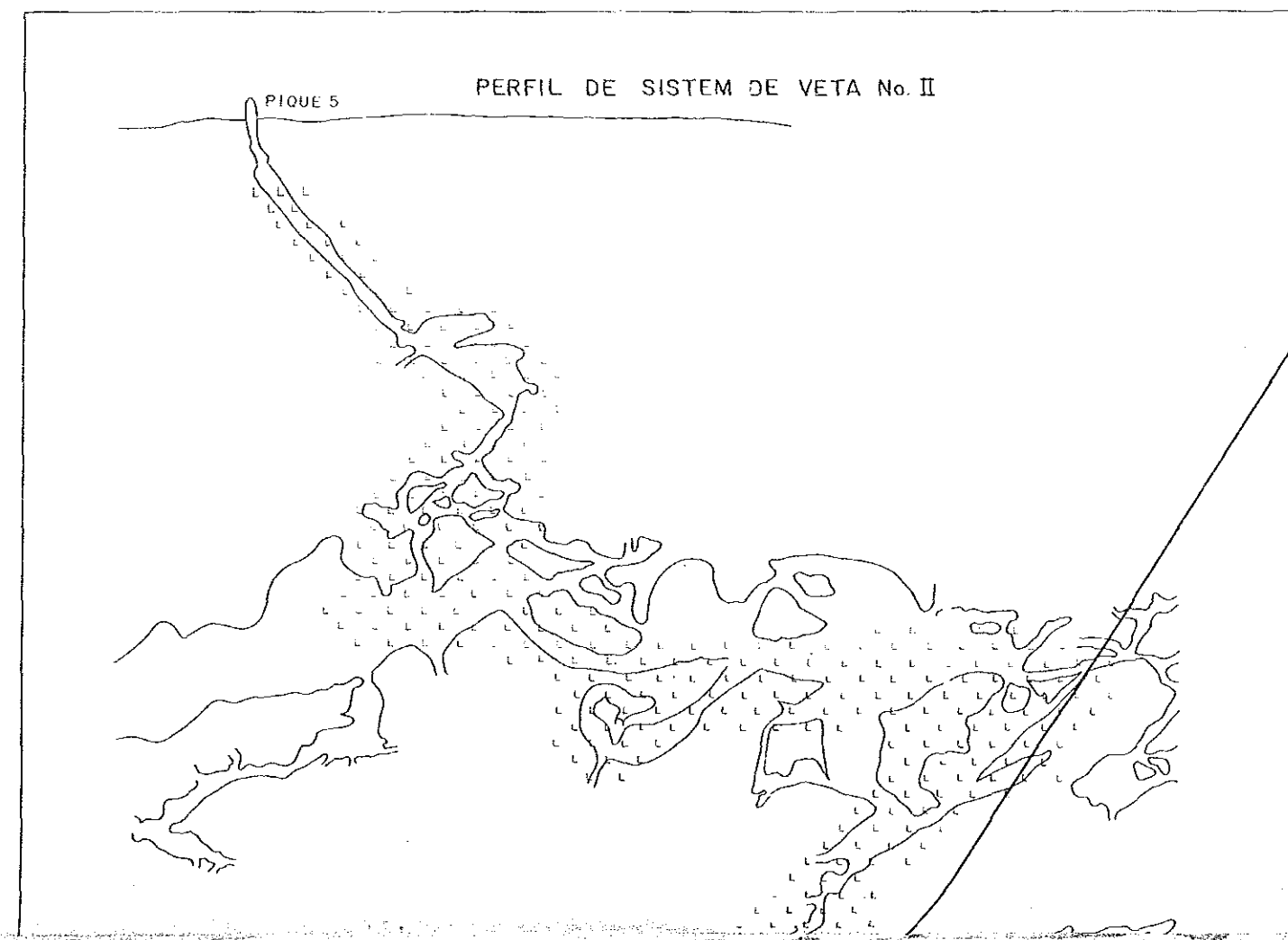
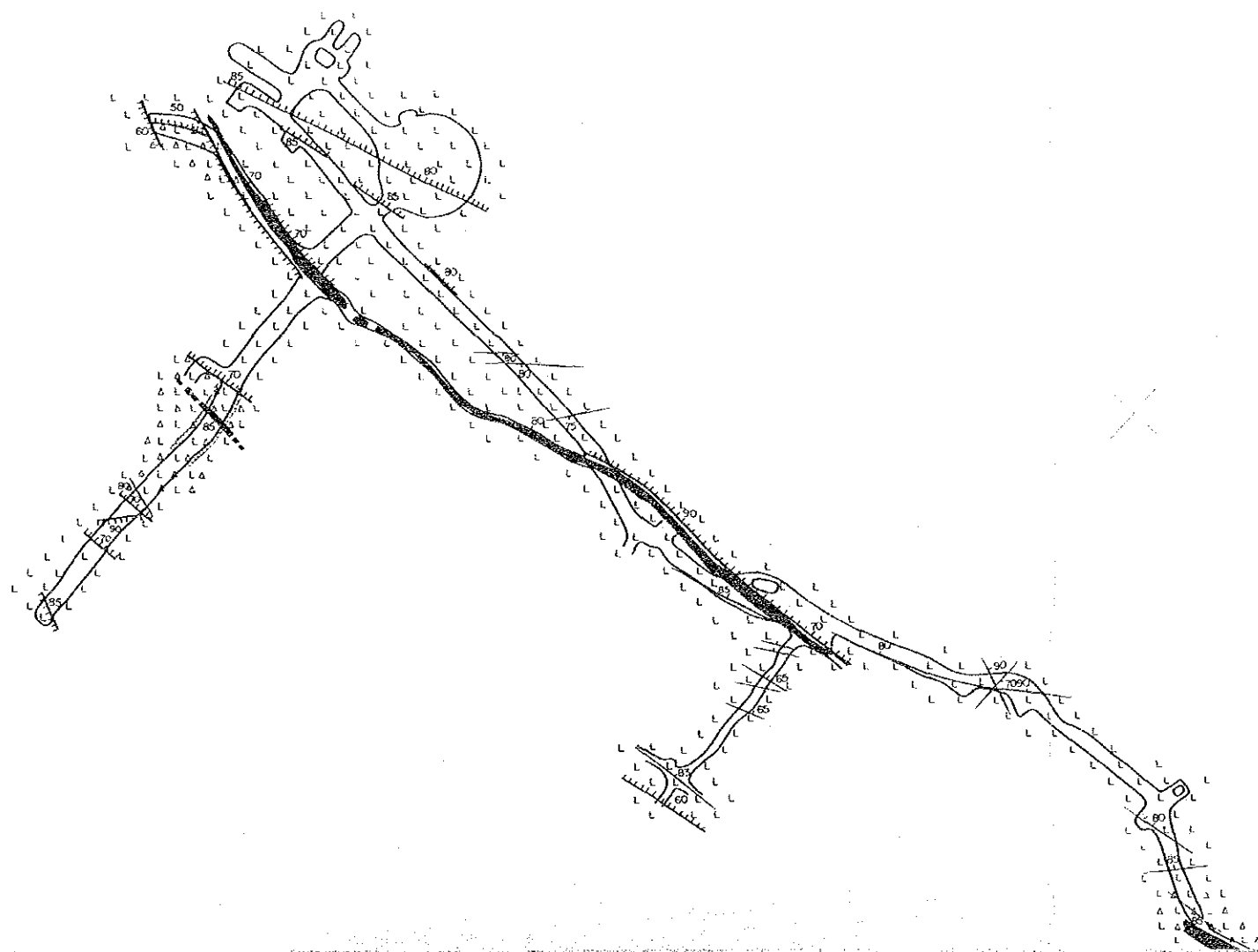


# PL-3 MAPA DE DISTRIBUCION DE VETAS CORTA

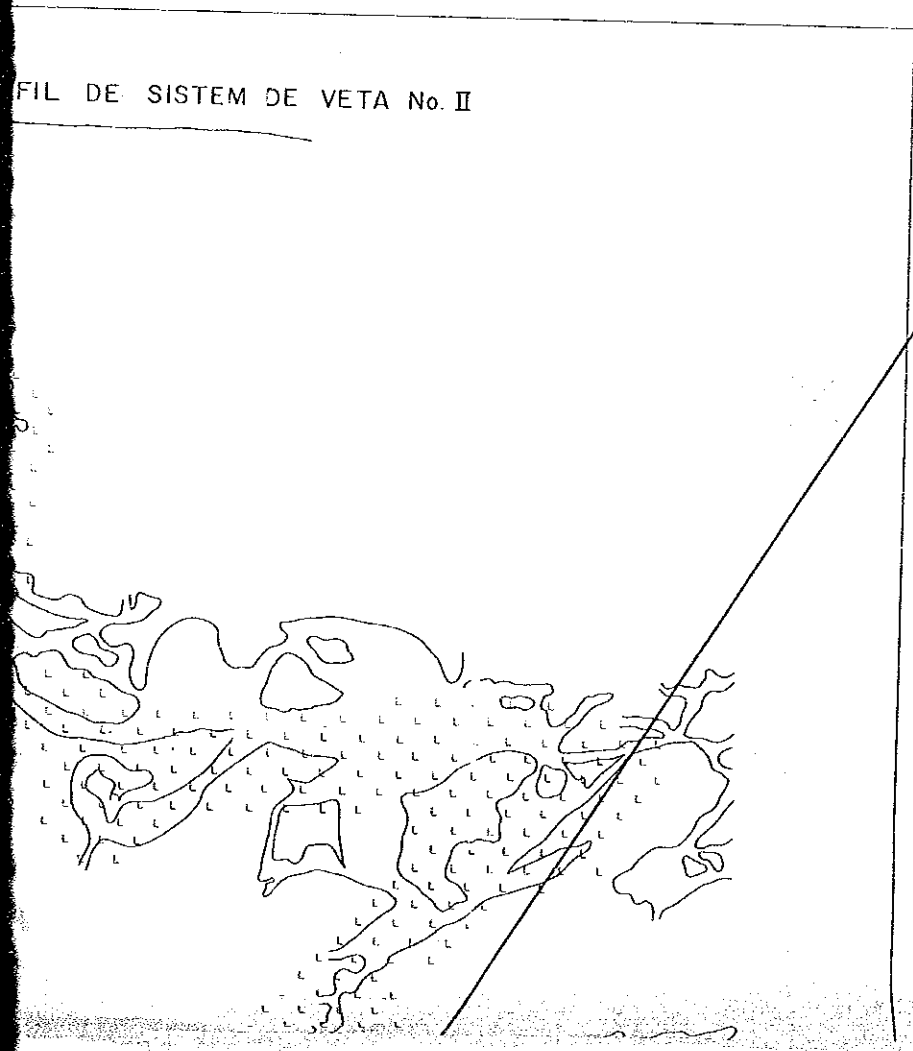
(ESCALA 1 : 1,000)



# ON DE VETAS CORTADAS CON DIAMANTINA

(ESCALA 1 : 1,000)

FIL DE SISTEM DE VETA No. II

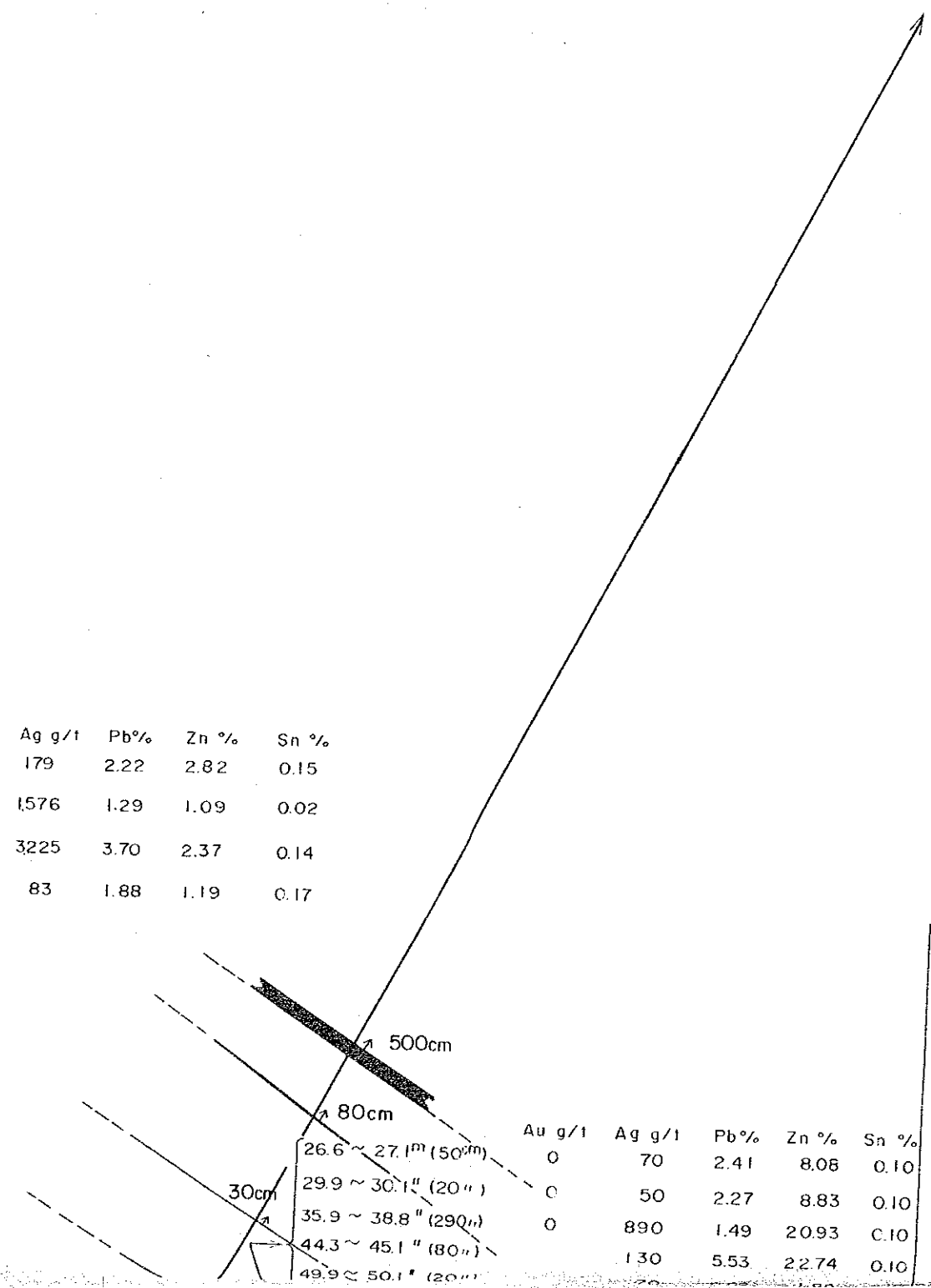


MJB-3 (N10°W, -30°)

284.0 ~ 284.3<sup>m</sup> (30<sup>cm</sup>)  
 Au 15 g/t  
 Ag 21 "  
 Pb 0.16%  
 Zn 0.38 "  
 Sn 0.01 "

	Au g/t	Ag g/t	Pb%	Zn %	Sn %
91.9 ~ 99.9 <sup>m</sup> (800 <sup>cm</sup> )	0	179	2.22	2.82	0.15
101.6 ~ 102.0 <sup>m</sup> (40 ")	6.4	1576	1.29	1.09	0.02
103.85 ~ 105.0 <sup>m</sup> (115 ")	5.5	3225	3.70	2.37	0.14
122.2 ~ 128.1 <sup>m</sup> (510 ")	0	83	1.88	1.19	0.17

MJB-10 (N15°W, -20°)

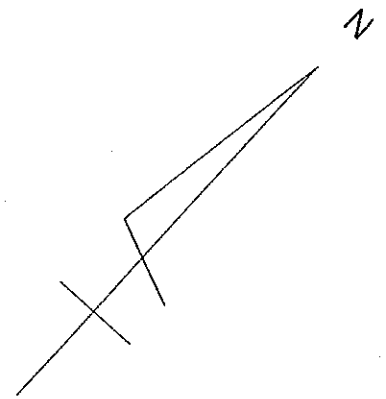
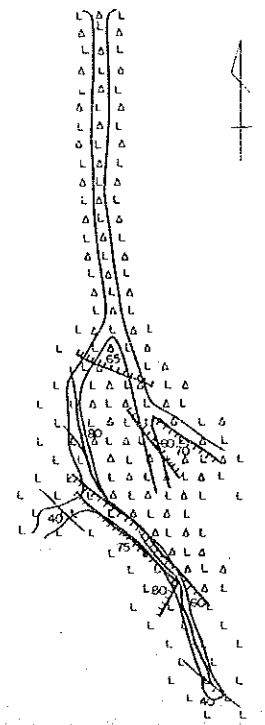


	Au g/t	Ag g/t	Pb%	Zn %	Sn %
13.1 ~ 13.4 <sup>m</sup> (30 <sup>cm</sup> )	0	800	4.77	0.65	0.15
14.0 ~ 14.6 <sup>m</sup> (60 ")	0	1110	3.85	0.60	0.15
16.4 ~ 17.35 <sup>m</sup> (95 ")	0	613	15.91	8.11	0.10

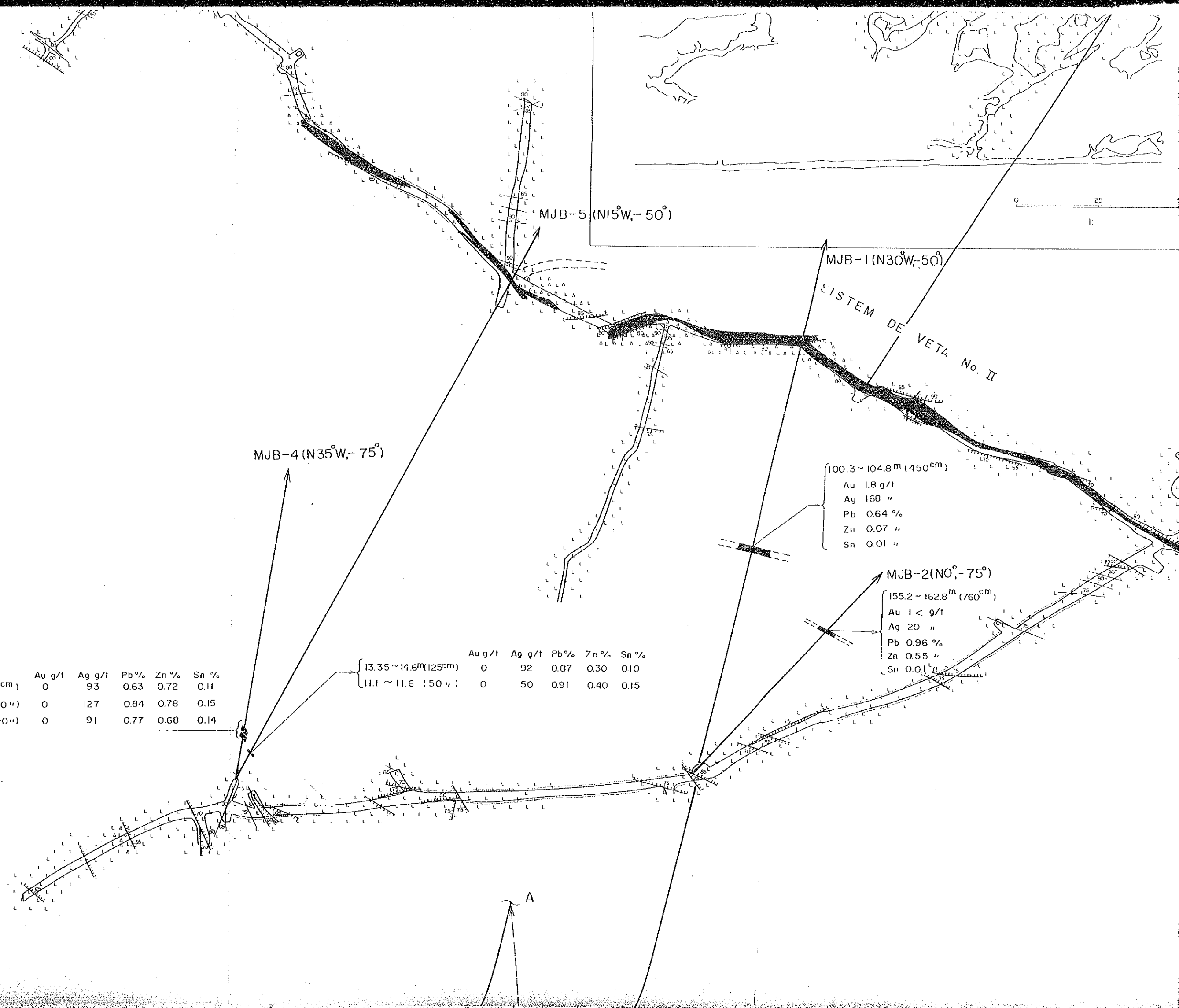
	Au g/t	Ag g/t	Pb%	Zn %	Sn %
26.6 ~ 27.1 <sup>m</sup> (50 <sup>cm</sup> )	0	70	2.41	8.08	0.10
29.9 ~ 30.1 <sup>m</sup> (20 ")	0	50	2.27	8.83	0.10
35.9 ~ 38.8 <sup>m</sup> (290 <sup>cm</sup> )	0	890	1.49	20.93	0.10
44.3 ~ 45.1 <sup>m</sup> (80 <sup>cm</sup> )	0	130	5.53	22.74	0.10
49.9 ~ 50.1 <sup>m</sup> (20 <sup>cm</sup> )	0	0	0	0	0

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SISTEM DE VETA No. IV



n % Sn %  
0.65 0.15  
0.60 0.15  
8.11 0.10



	Au g/t	Ag g/t	Pb %	Zn %	Sn %
34.2 ~ 35.0 <sup>m</sup> (80 <sup>cm</sup> )	0	93	0.63	0.72	0.11
38.2 ~ 42.1 <sup>m</sup> (390 <sup>''</sup> )	0	127	0.84	0.78	0.15
43.1 ~ 46.1 <sup>m</sup> (300 <sup>''</sup> )	0	91	0.77	0.68	0.14

	Au g/t	Ag g/t	Pb %	Zn %	Sn %
13.35 ~ 14.6 <sup>m</sup> (125 <sup>cm</sup> )	0	92	0.87	0.30	0.10
11.1 ~ 11.6 (50 <sup>''</sup> )	0	50	0.91	0.40	0.15

100.3 ~ 104.8 <sup>m</sup> (450 <sup>cm</sup> )
Au 1.8 g/t
Ag 168 "
Pb 0.64 %
Zn 0.07 "
Sn 0.01 "

155.2 ~ 162.8 <sup>m</sup> (760 <sup>cm</sup> )
Au 1 < g/t
Ag 20 "
Pb 0.96 %
Zn 0.55 "
Sn 0.01 "

MJB-5 (N15°W, -50°)

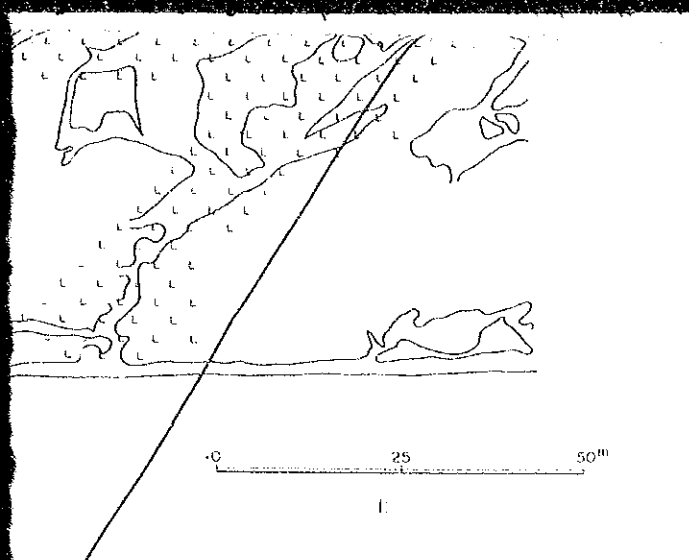
MJB-1 (N30°W, -50°)

SISTEM DE VETA No. II

MJB-4 (N35°W, -75°)

MJB-2 (N0°, -75°)

A



Interval	Au g/t	Ag g/t	Pb %	Zn %	Sn %
26.6 ~ 27.1m (50")	0	70	2.41	8.08	0.10
29.9 ~ 30.1" (20")	0	50	2.27	8.83	0.10
35.9 ~ 38.8" (290")	0	890	1.49	20.93	0.10
44.3 ~ 45.1" (80")		130	5.53	22.74	0.10
49.9 ~ 50.1" (20")		70	0.62	1.89	0.10
76.1 ~ 78.3" (220")		165	9.64	12.72	0.10
95.5 ~ 96.3" (80")		200	6.83	5.92	0.10

Interval	Ag g/t	Pb %	Zn %	Sn %
73.2 ~ 73.5m (30cm)	60	0.39	0.80	0.10
83.2 ~ 84.7" (150")	1383	2.49	2.0	0.08
106.5 ~ 106.9" (40")	110	6.11	3.63	0.15
121.4 ~ 121.9" (50")	280	3.18	3.42	0.15

VETA No. II

2(N0°,-75°)  
162.8m (760cm)  
g/t  
6 %  
5 "

SISTEMA DE VETA No. I

MJB-6 (S15W,-70°)

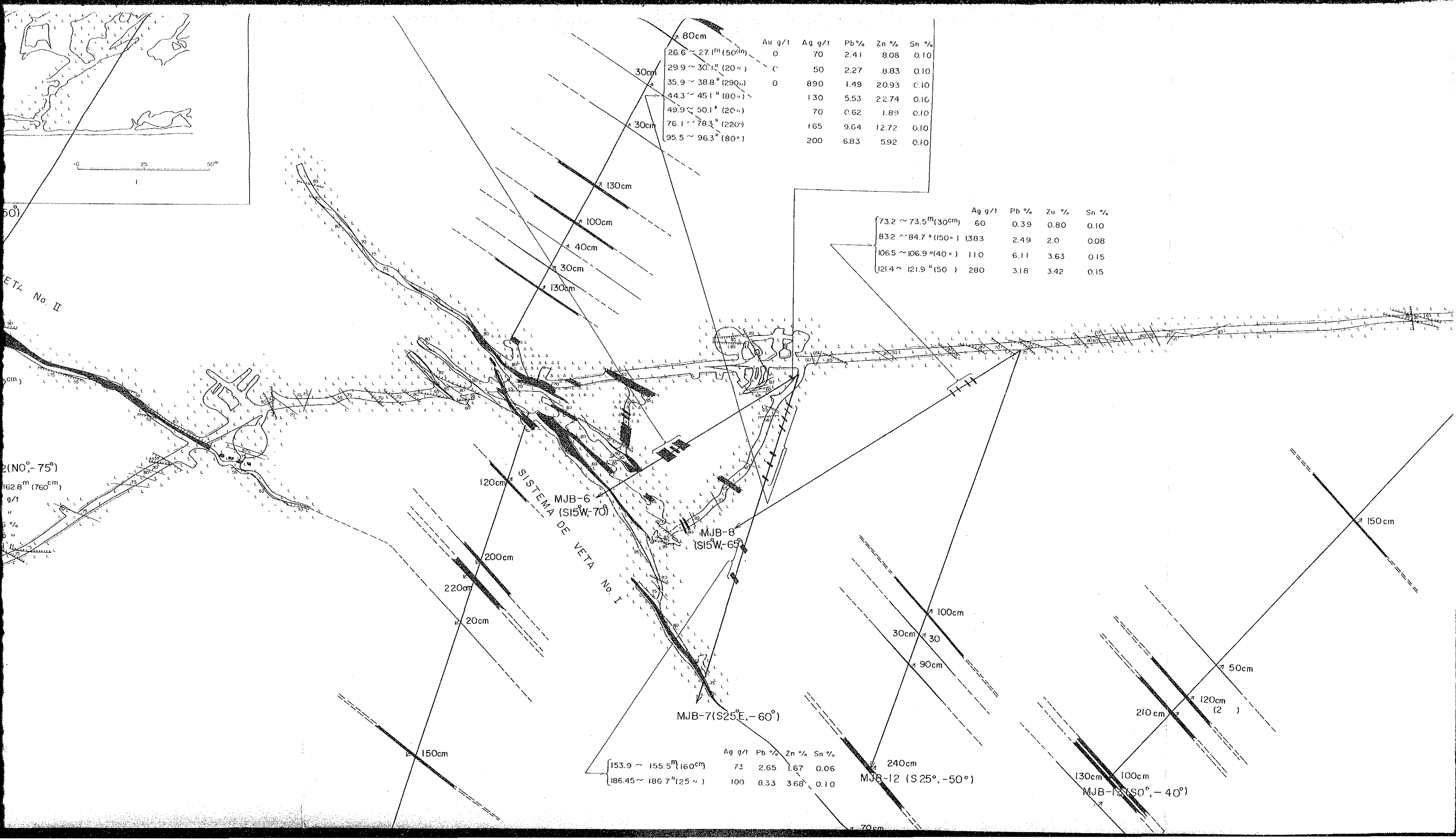
MJB-8 (S15W,-65°)

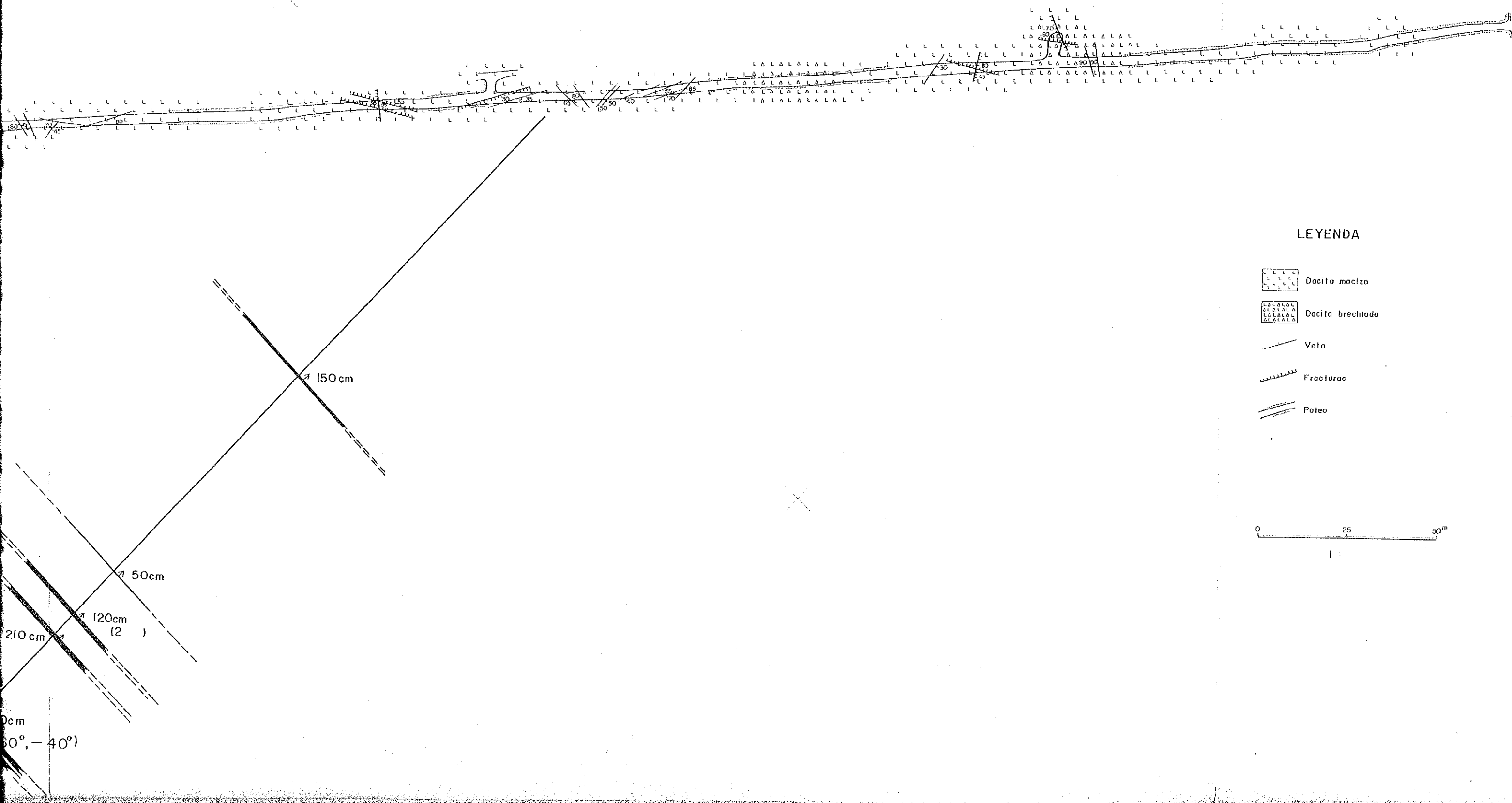
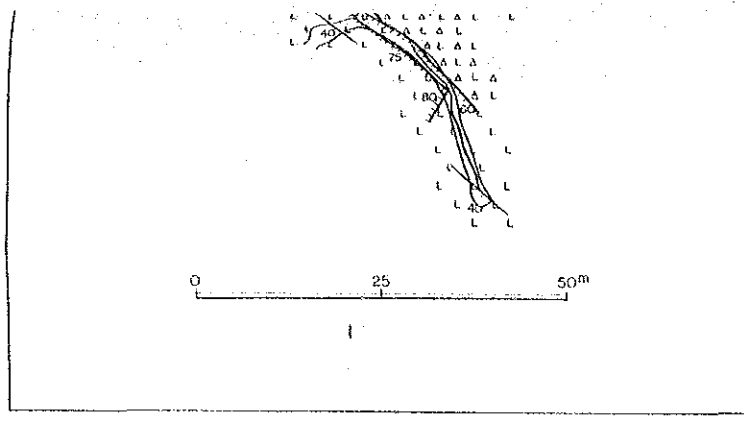
MJB-7 (S25°E,-60°)

Interval	Ag g/t	Pb %	Zn %	Sn %
153.9 ~ 155.5m (160cm)	73	2.65	1.67	0.06
186.45 ~ 186.7" (25")	100	8.33	3.68	0.10






MJB-12 (S25°,-50°)

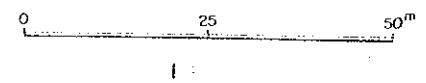
MJB-13 (S0°,-40°)

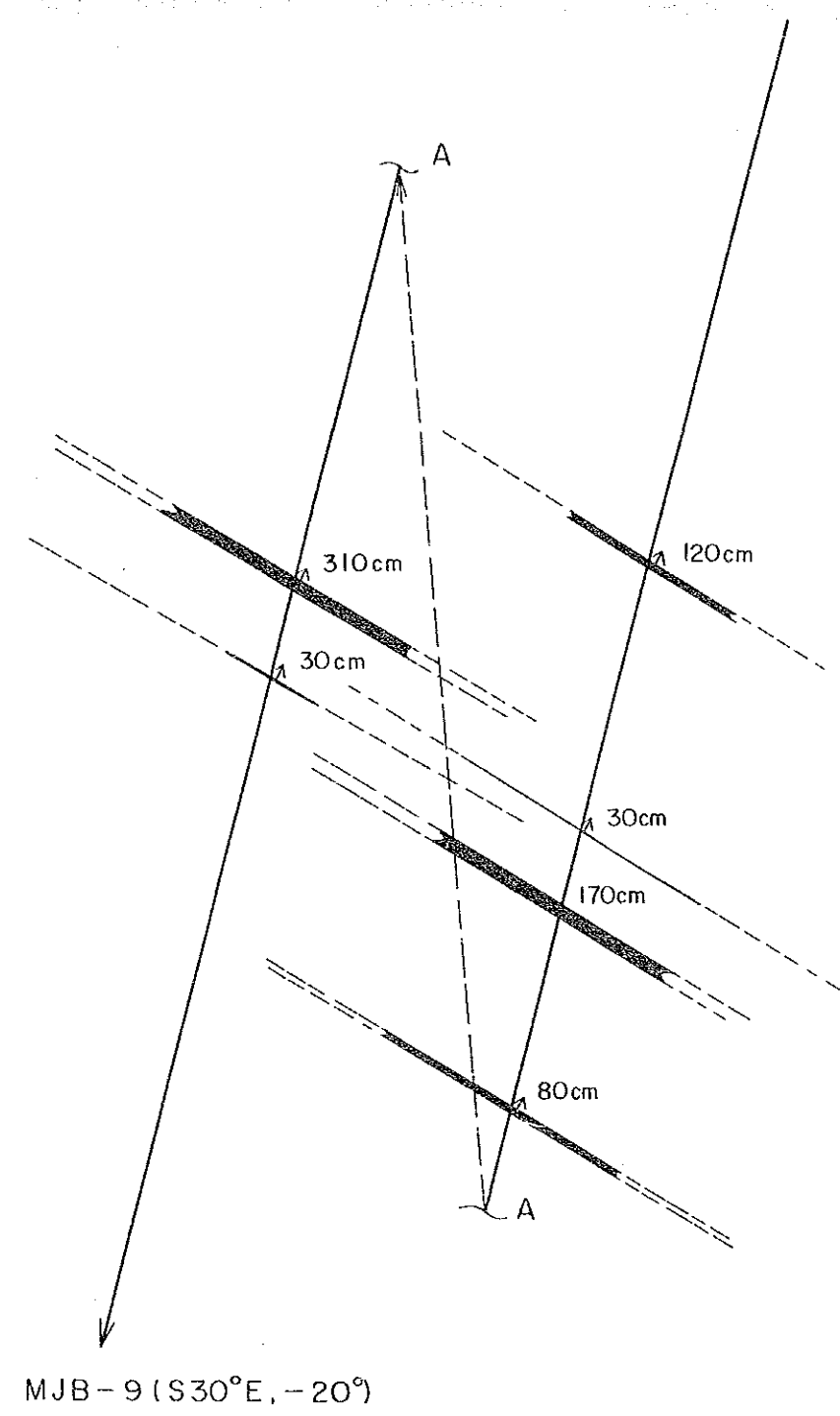
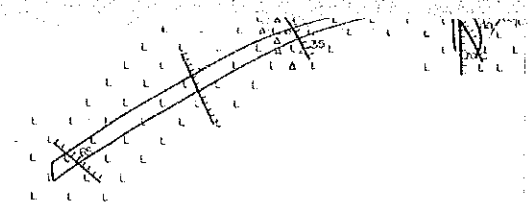


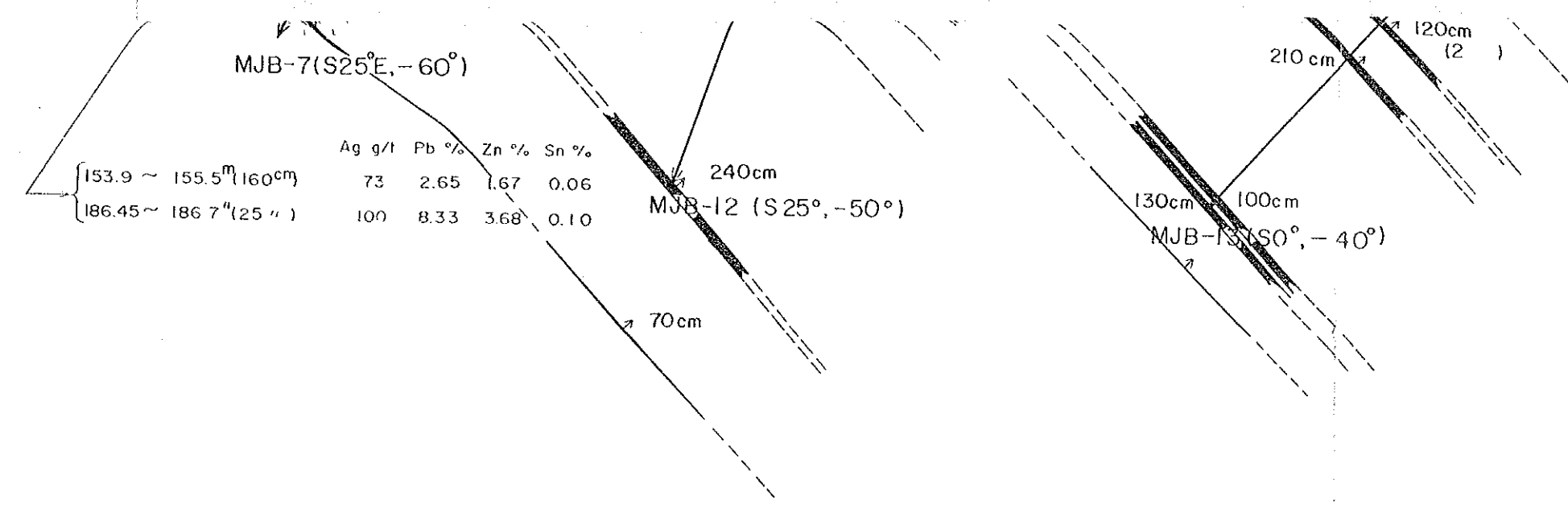
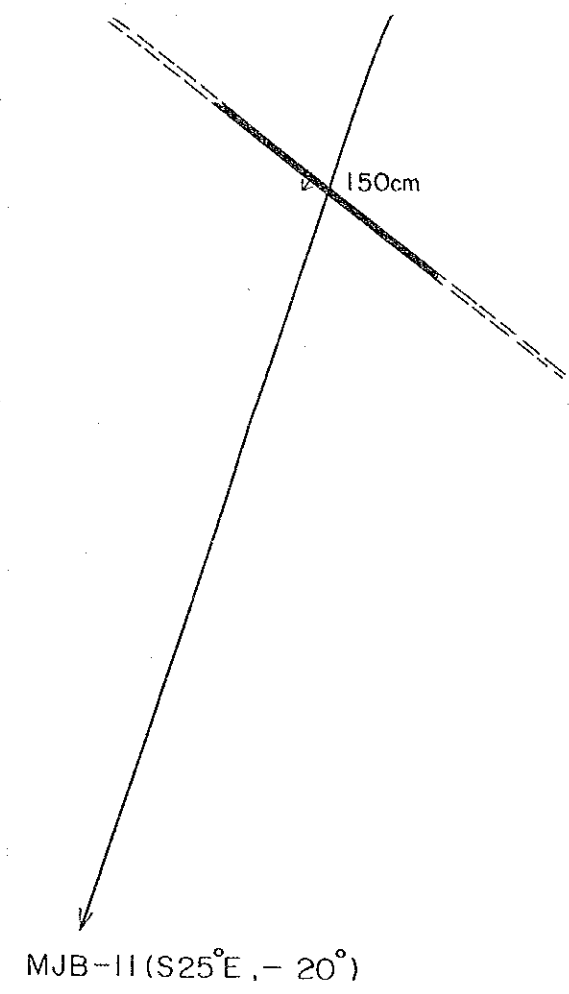


LEYENDA

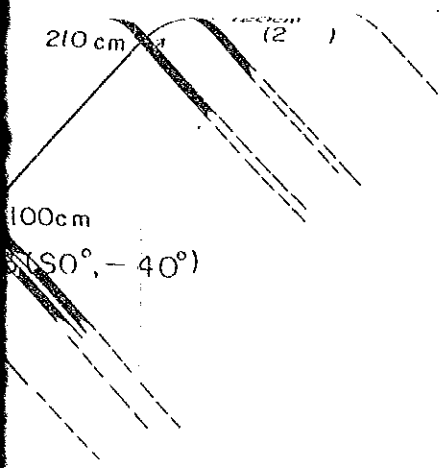
-  Dacita maciza
-  Dacita brechiada
-  Velo
-  Fracturas
-  Poteo



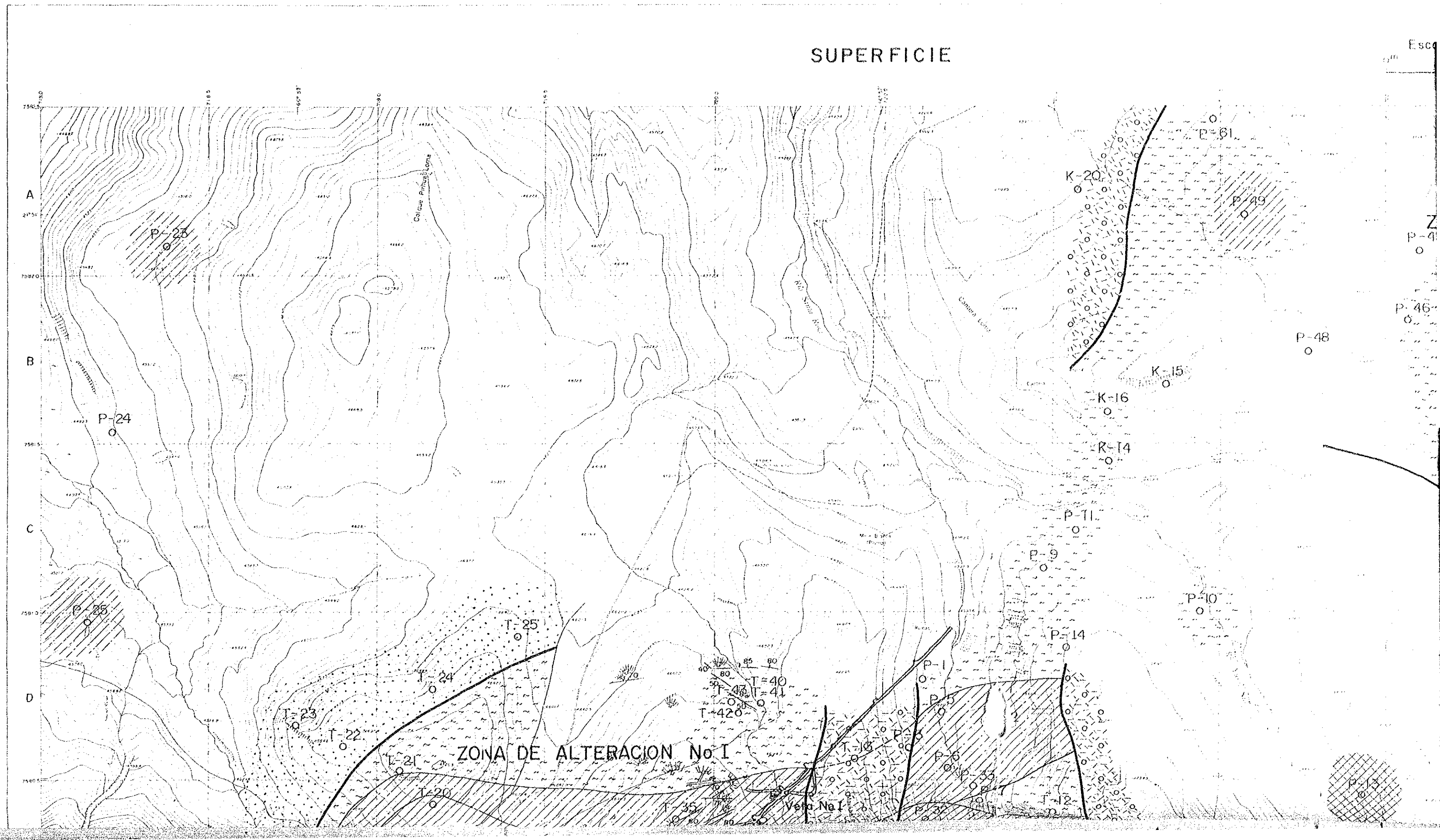








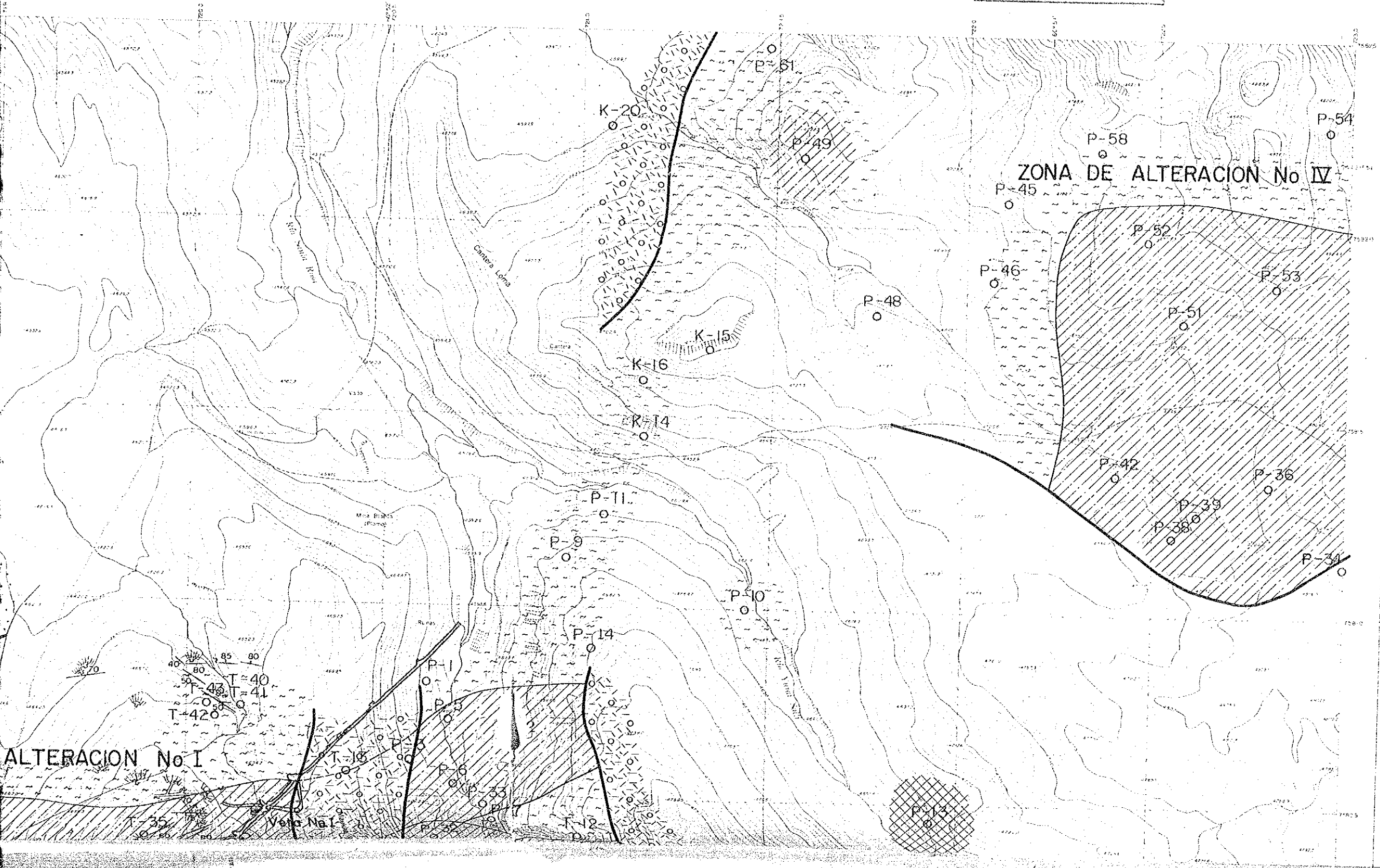
# Mapa de distribuciones y clasificaciones de zonas alteradas



Mapa de distribuciones y clasificaciones de zonas alteradas

SUPERFICIE

Escala 1:10,000  
0m 500m



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PL-2

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EN  
AREA DE SAN ANTONIO REPUBLICA DE BOLIVIA


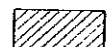
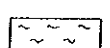
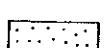
Mapa de distribuciones y clasificaciones  
de zonas alteradas

METAL MINING AGENCY OF JAPAN  
JAPAN INTERNATIONAL COOPERATION AGENCY  
GOBIERNO DEL JAPON

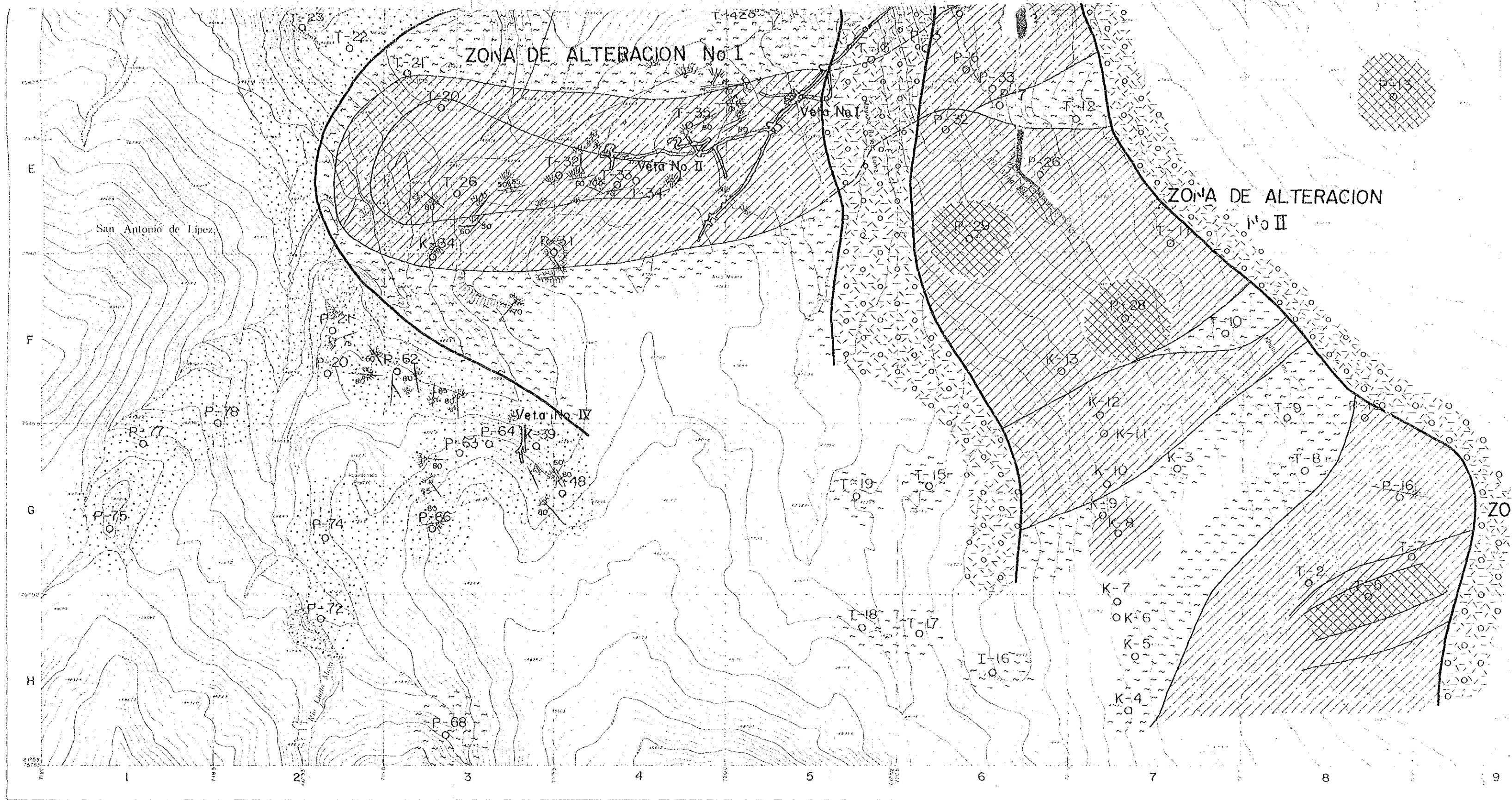
FEBRERO 1963  
preparado por DOWA KOGI CO LTD

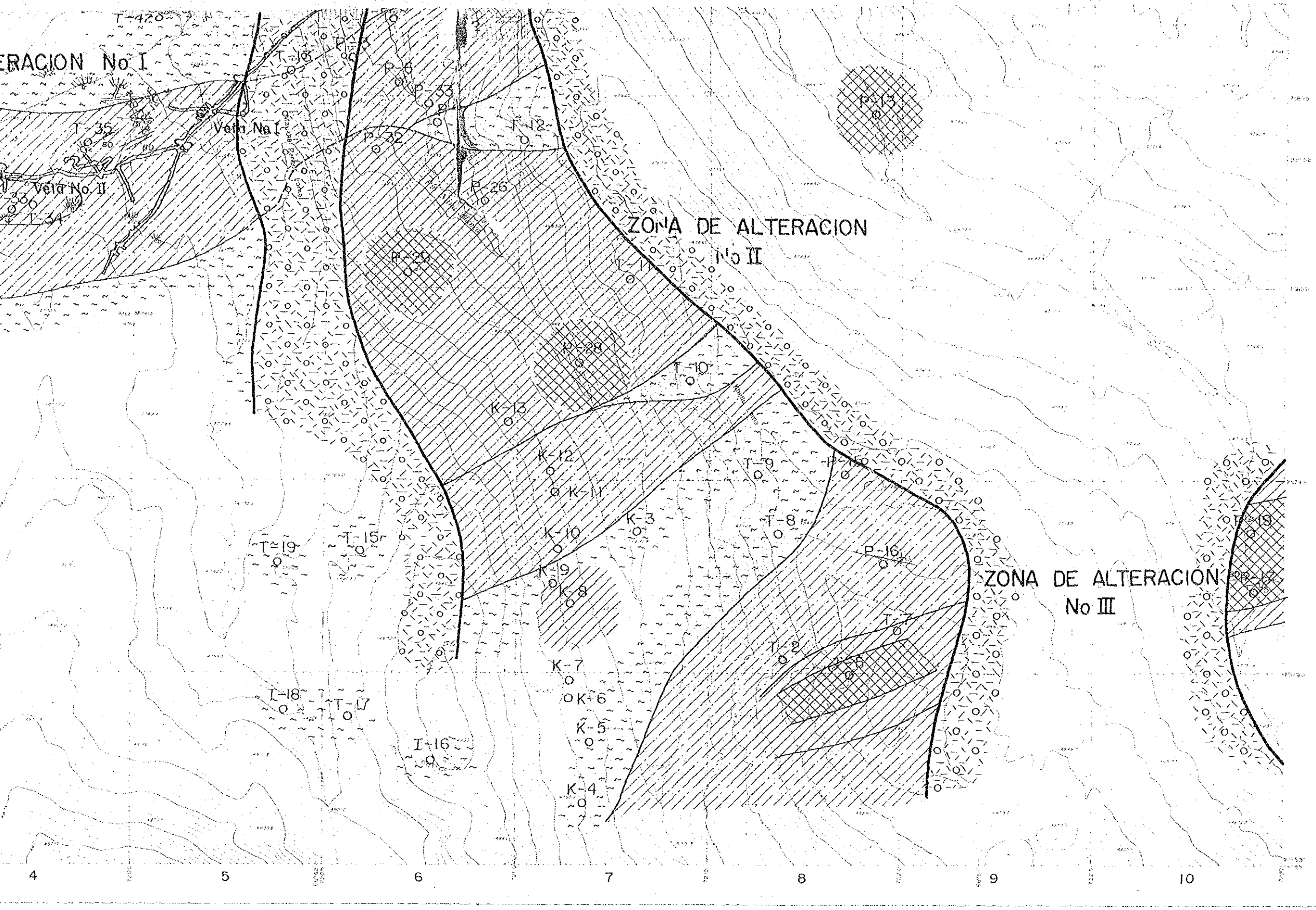
ESCALA 1:5,000






Leyenda

-  Zona de clorita
-  Zona de sericita
-  Zona de caolinita
-  Zona de montomillonita
-  Zona no alterada

0-0.10

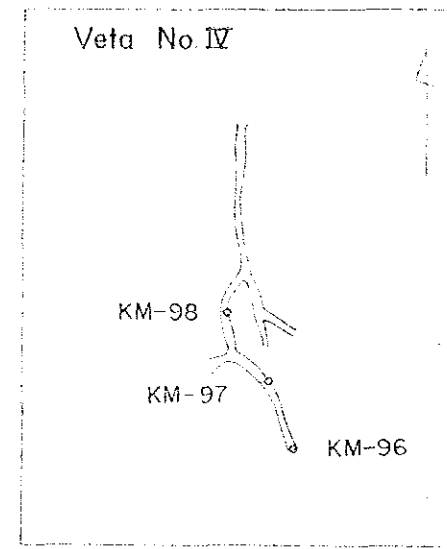
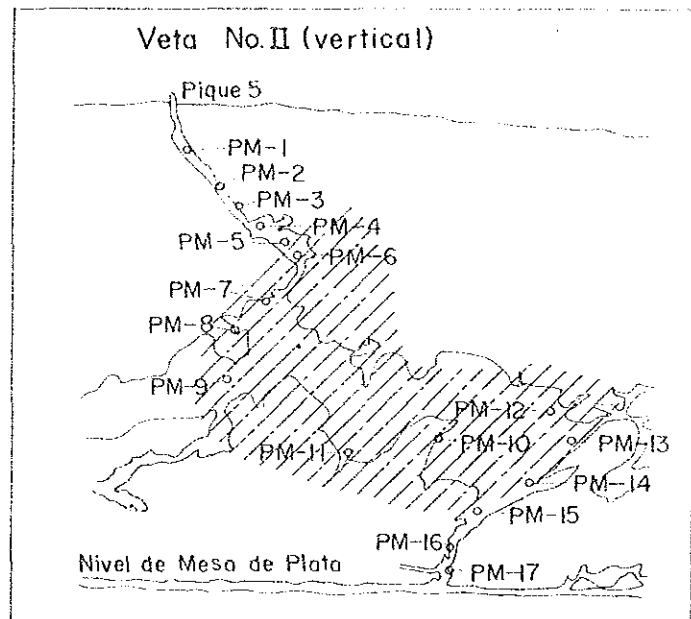
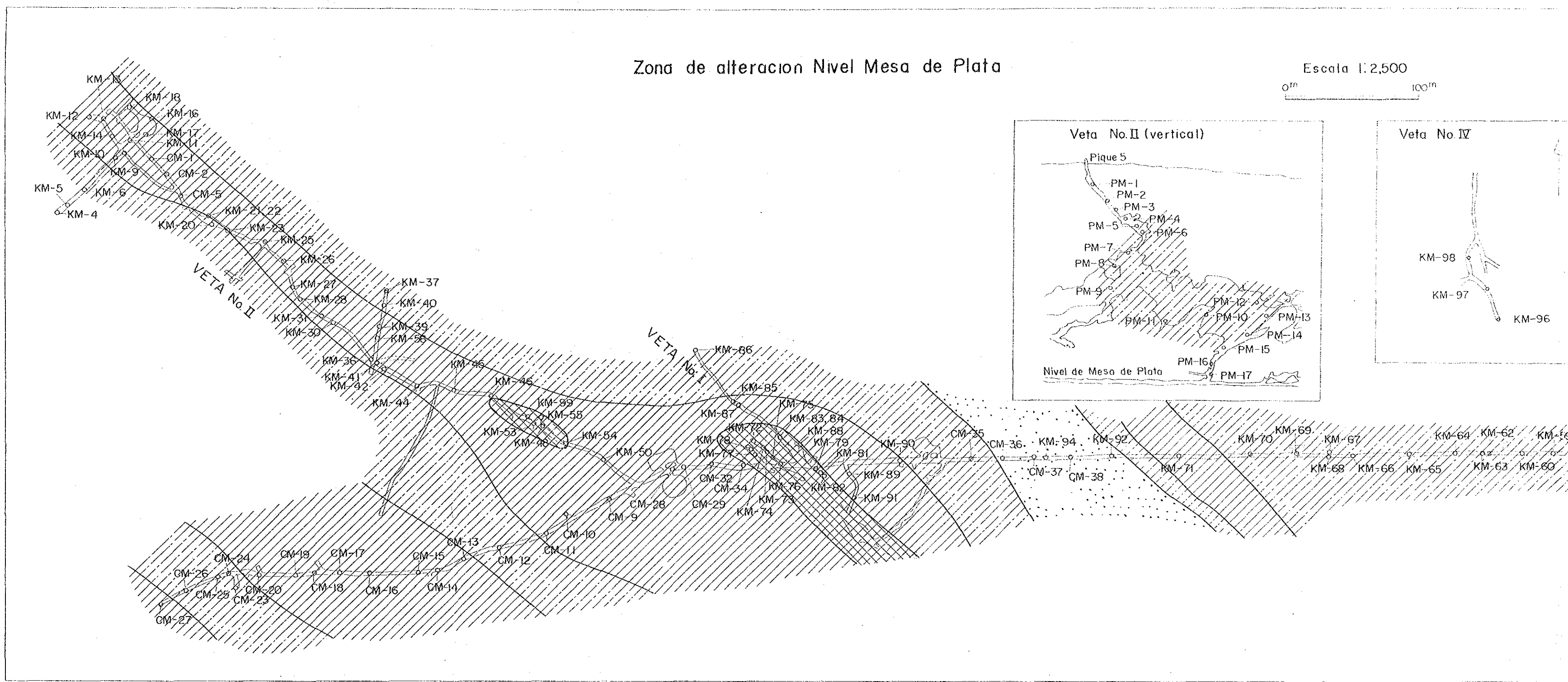




-  Zona de sericita
-  Zona de caolinita
-  Zona de montmorillonita
-  Zona no alterada
-  Morrenas
-  Ubicacion de muestra

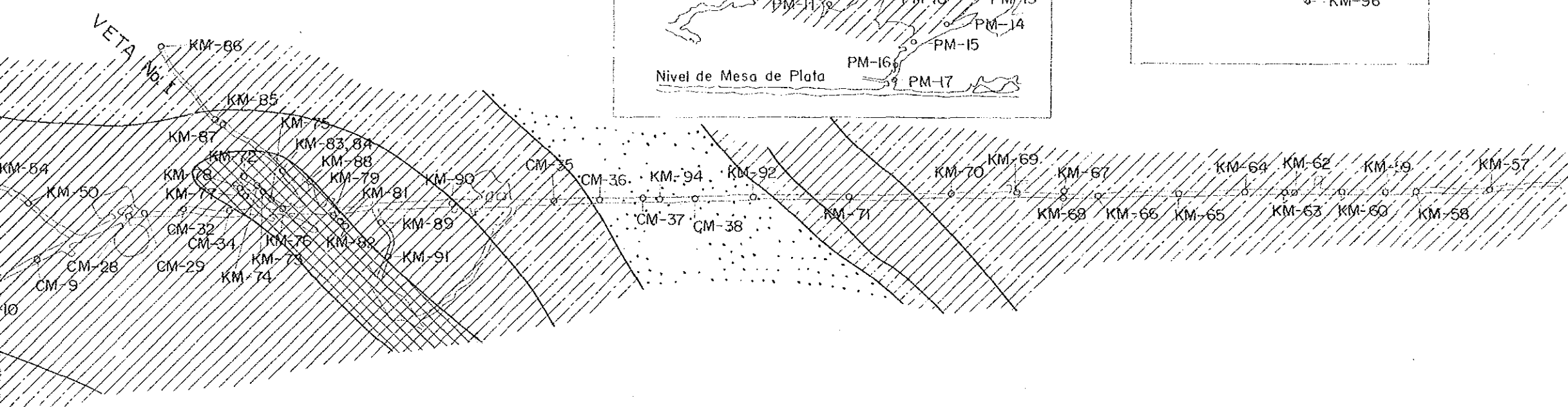
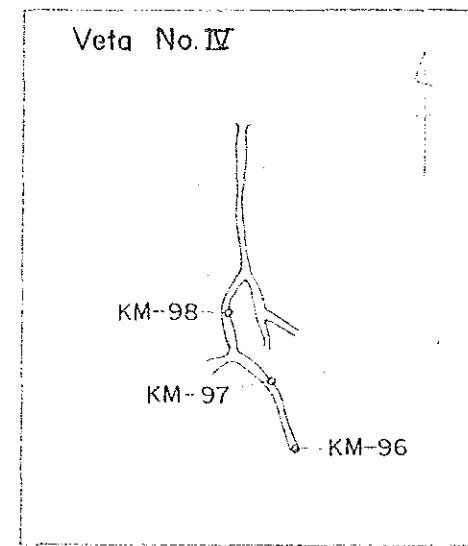
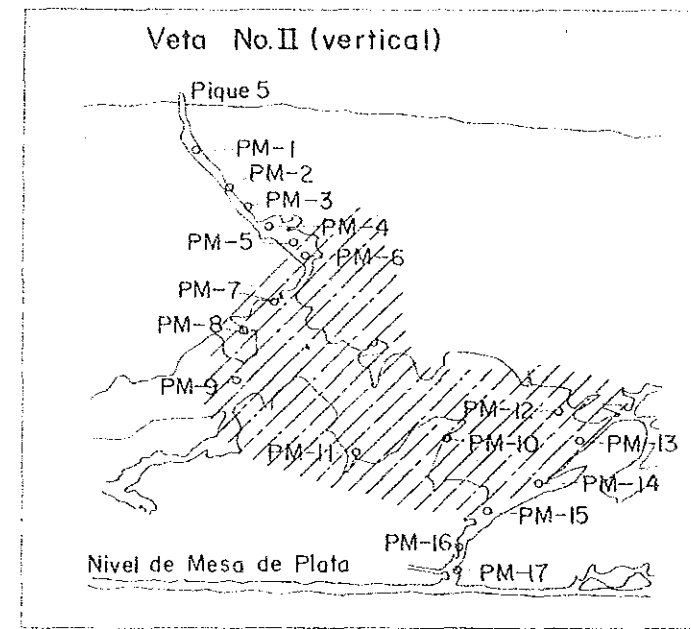
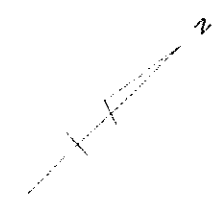
# Zona de alteracion Nivel Mesa de Plata

Escala 1:2,500

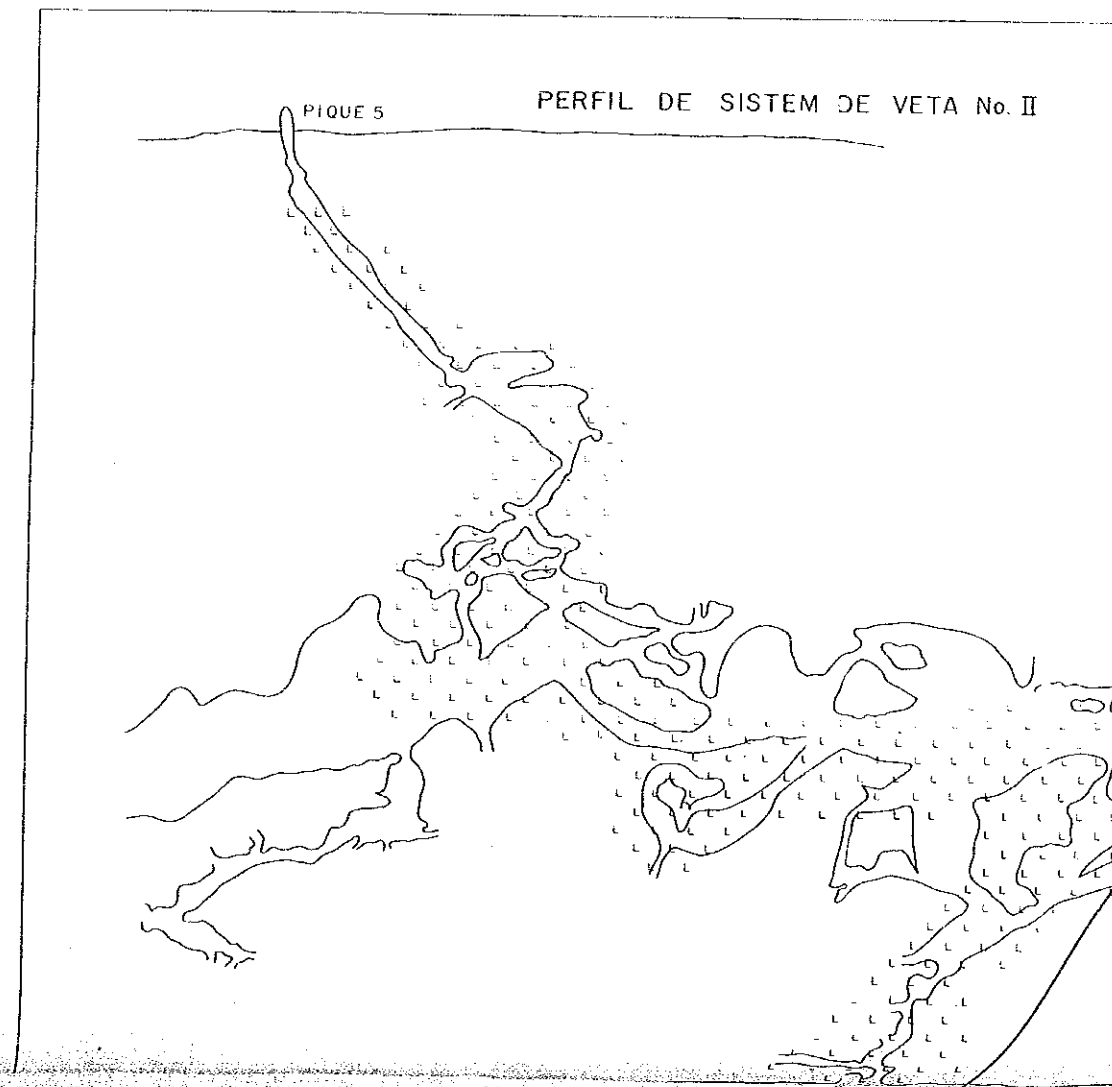
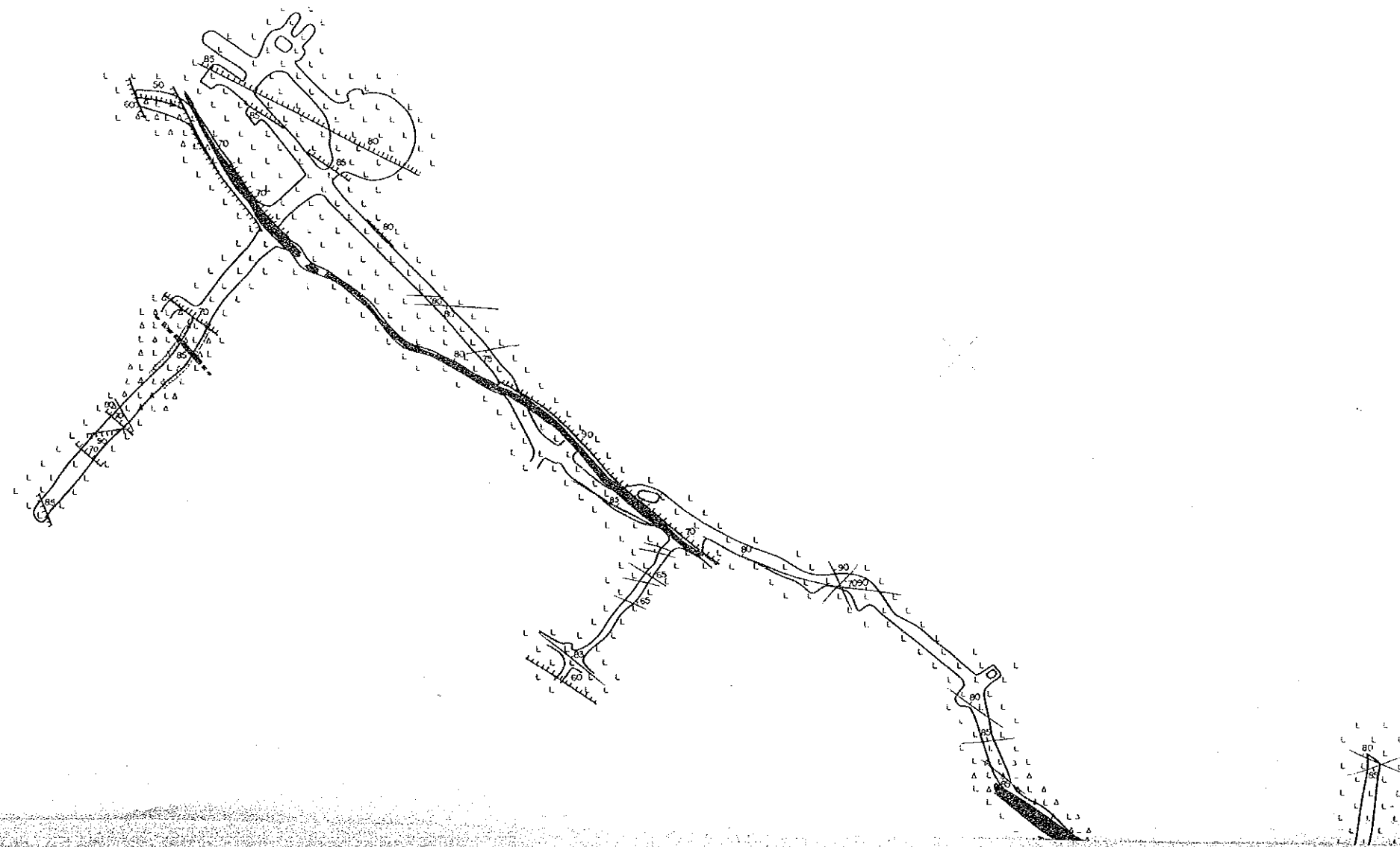


Zona de alteracion Nivel Mesa de Plata

Escala 1:2,500



PL-4 MAPA GEOLOGICO DE INTERIOR MINA  
Y GRADOS DE VETAS CORTADAS POR  
( Posiciones de vetas estan proyectada en nivel de recorte pri  
(ESCA 1:1,000)

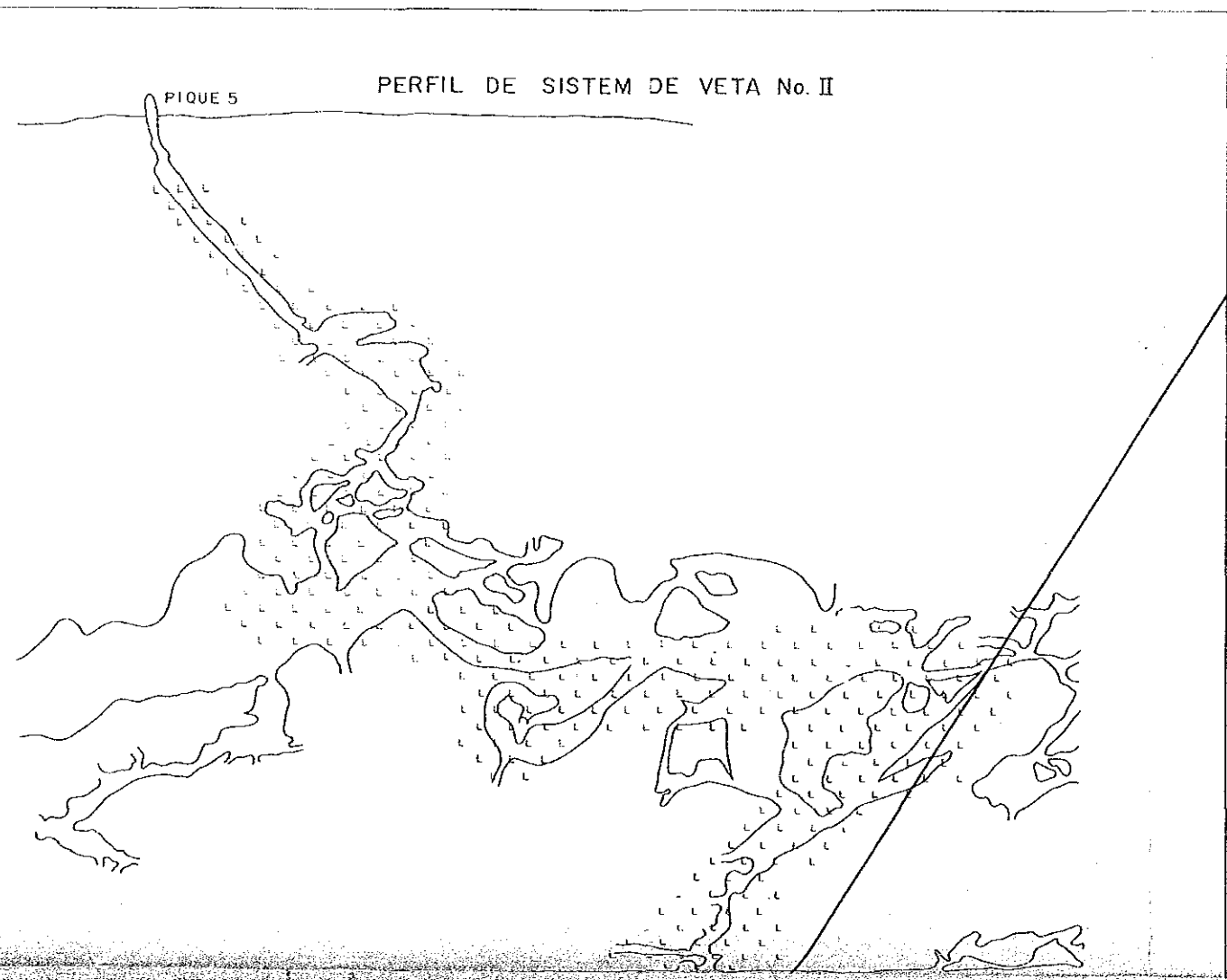




# PERFIL DE INTERIOR MINA VETAS CORTADAS POR TALADROS DE DIAMANTINA

(Están proyectada en nivel de recorte principal)

(ESCA 1:1,000)



MJB-3 (N10°W, -30°)

284.0 ~ 284.3m (30cm)  
 Au 15 g/t  
 Ag 21 "  
 Pb 0.16%  
 Zn 0.38 "  
 Sn 0.01 "

	Au g/t	Ag g/t	Pb%	Zn %	Sn %
91.9 ~ 99.9m (800cm)	0	179	2.22	2.82	0.15
101.6 ~ 102.0' (40 ")	6.4	1576	1.29	1.09	0.02
103.85 ~ 105.0' (115 ")	5.5	3225	3.70	2.37	0.14
122.2 ~ 128.1' (510 ")	0	83	1.88	1.19	0.17

	Ag g/t	Pb %	Zn %	Sn %
3.2 ~ 4.1m (90cm)	70	1.53	2.15	0.10
21.5 ~ 22.8' (130 ")	325	0.47	0.80	0.08
33.1 ~ 33.4' (30 ")	40	0.28	0.65	0.10
46.9 ~ 47.3' (40 ")	30	0.57	2.80	0.05
58.3 ~ 59.3' (100 ")	240	0.74	0.75	0.13
78.5 ~ 79.8' (130 ")	61	0.42	0.86	0.10

MJB-10 (N15°W, -20°)

	Au g/t	Ag g/t	Pb%	Zn %	Sn %
26.6 ~ 27.1m (50cm)	0	70	2.41	8.08	0.10
29.9 ~ 30.1' (20 ")	0	50	2.27	8.83	0.10
35.9 ~ 38.8' (290")	0	890	1.49	20.93	0.10
44.3 ~ 45.1' (80")		130	5.53	22.74	0.10
49.9 ~ 50.1' (20")		70	0.62	1.89	0.10
76.1 ~ 78.3' (220")		165	9.64	12.72	0.10
82.1 ~ 84.3' (220")		200	6.93	5.93	0.10

	Au g/t	Ag g/t	Pb%	Zn %	Sn %
13.1 ~ 13.4m (30cm)	0	800	4.77	0.65	0.15
14.0 ~ 14.6' (60 ")	0	1110	3.85	0.60	0.15
16.4 ~ 17.35' (95 ")	0	613	15.91	8.11	0.10

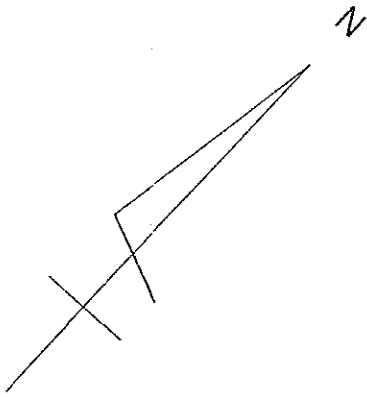
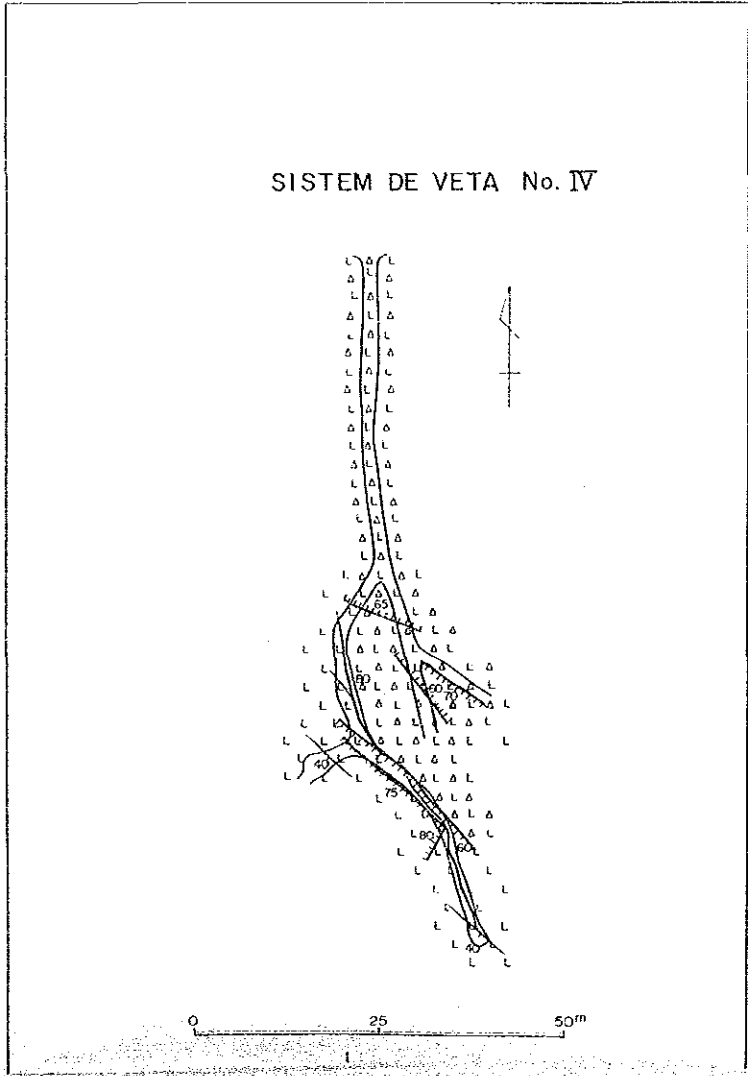
	Ag g/t	Pb %	Zn %	Sn %
155.5 ~ 156.3m (80cm)	280	5.91	11.5	
171.2 ~ 176.2' (130 ")	30	5.90	9.3	
109.3 ~ 109.7' (40 ")	30	2.25	5.2	
131.9 ~ 132.2' (30 ")	50	2.73	5.5	

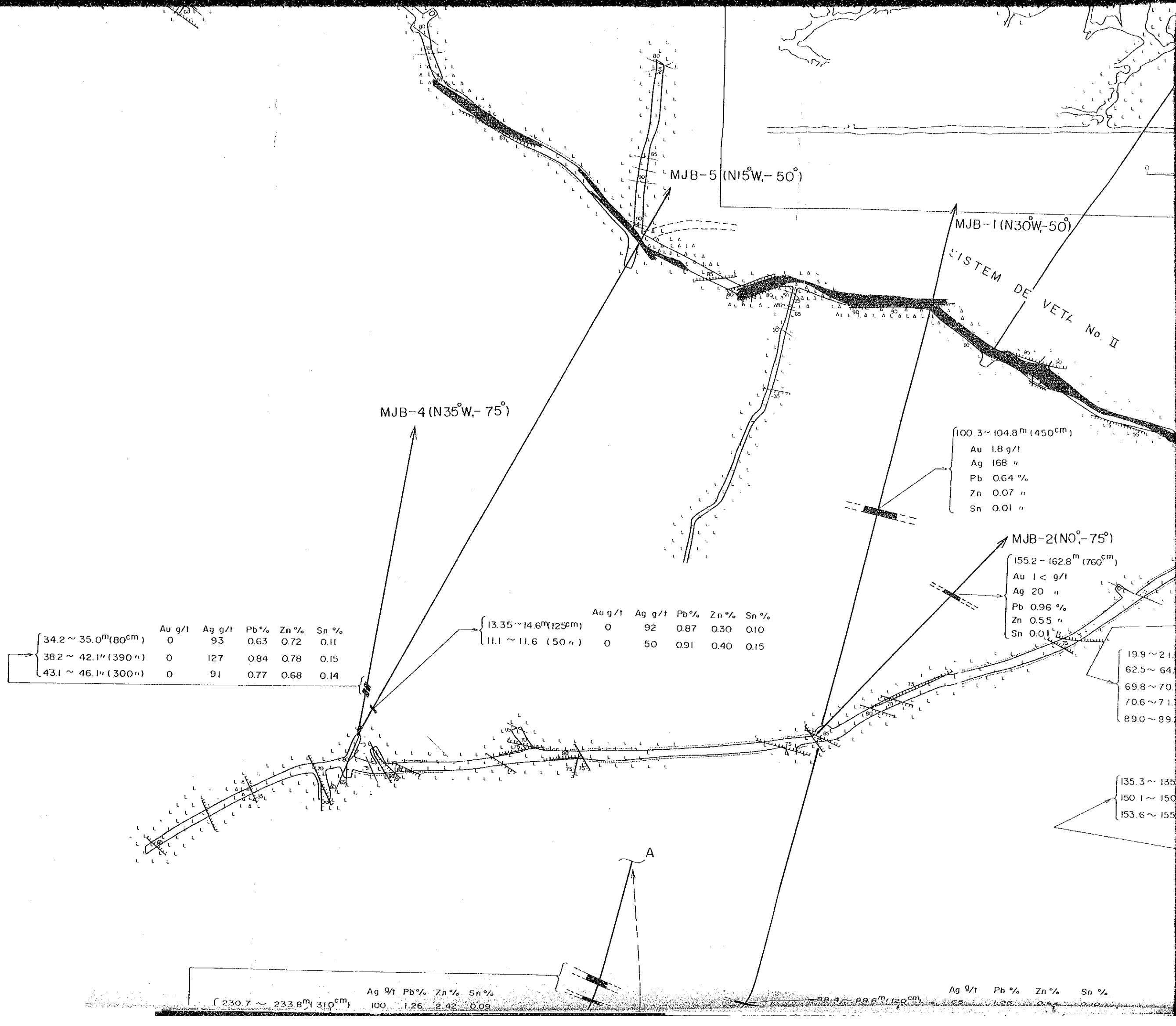
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g/t	Ag g/t	Pb%	Zn %	Sn %
0	800	4.77	0.65	0.15
0	1.110	3.85	0.60	0.15
0	6.13	15.91	8.11	0.10

	Ag g/t	Pb%	Zn %	Sn %
3m (80cm)	280	5.91	11.50	0.10
2' (130')	30	5.90	9.35	0.10
7' (40')	30	2.25	5.20	0.10
2' (30')	50	2.73	5.55	0.10





	Au g/l	Ag g/l	Pb%	Zn%	Sn%
34.2 ~ 35.0 <sup>m</sup> (80 <sup>cm</sup> )	0	93	0.63	0.72	0.11
38.2 ~ 42.1 <sup>m</sup> (390 <sup>u</sup> )	0	127	0.84	0.78	0.15
43.1 ~ 46.1 <sup>m</sup> (300 <sup>u</sup> )	0	91	0.77	0.68	0.14

	Au g/l	Ag g/l	Pb%	Zn%	Sn%
13.35 ~ 14.6 <sup>m</sup> (125 <sup>cm</sup> )	0	92	0.87	0.30	0.10
11.1 ~ 11.6 (50 <sup>u</sup> )	0	50	0.91	0.40	0.15

100.3 ~ 104.8 <sup>m</sup> (450 <sup>cm</sup> )
Au 1.8 g/l
Ag 168 "
Pb 0.64 %
Zn 0.07 "
Sn 0.01 "

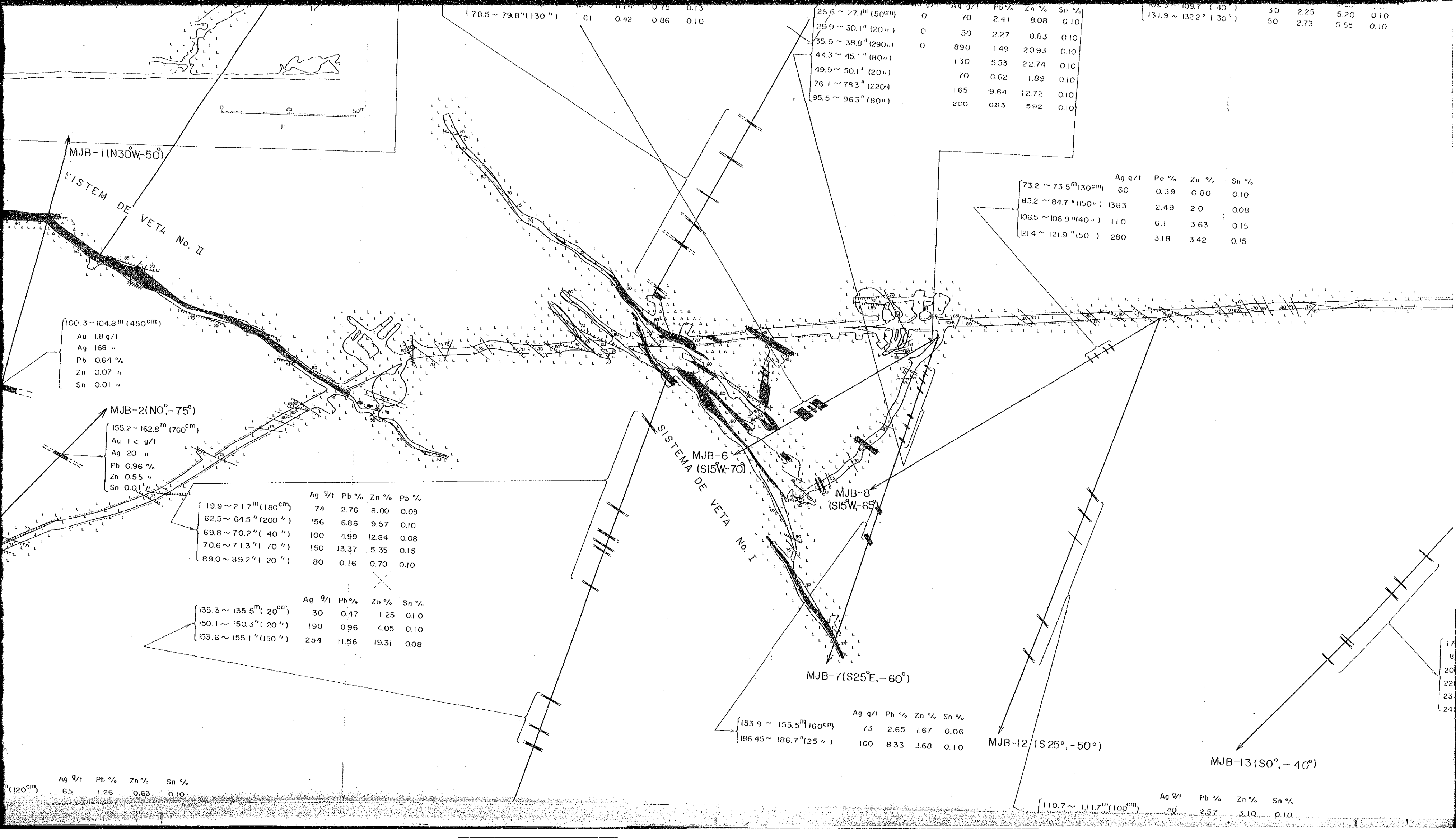
155.2 ~ 162.8 <sup>m</sup> (760 <sup>cm</sup> )
Au 1 < g/l
Ag 20 "
Pb 0.96 %
Zn 0.55 "
Sn 0.01 "

19.9 ~ 21.1
62.5 ~ 64.1
69.8 ~ 70.4
70.6 ~ 71.2
89.0 ~ 89.6

135.3 ~ 135.9
150.1 ~ 150.7
153.6 ~ 154.2

230.7 ~ 233.8 <sup>m</sup> (310 <sup>cm</sup> )	Ag g/l	Pb%	Zn%	Sn%
	100	1.26	2.42	0.09

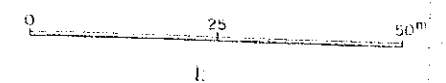
88.4 ~ 88.6 <sup>m</sup> (120 <sup>cm</sup> )	Ag g/l	Pb%	Zn%	Sn%
	65	1.28	0.63	0.10



78.5 ~ 79.8" (130")	61	0.74	0.75	0.13
---------------------	----	------	------	------

26.6 ~ 27.1" (50cm)	0	70	2.41	8.08	0.10
29.9 ~ 30.1" (20")	0	50	2.27	8.83	0.10
35.9 ~ 38.8" (290")	0	890	1.49	20.93	0.10
44.3 ~ 45.1" (80")		130	5.53	22.74	0.10
49.9 ~ 50.1" (20")		70	0.62	1.89	0.10
76.1 ~ 78.3" (220")		165	9.64	12.72	0.10
95.5 ~ 96.3" (80")		200	6.83	5.92	0.10

131.9 ~ 132.2" (30")	30	2.25	5.20	0.10
	50	2.73	5.55	0.10



MJB-1 (N30°W, 50°)  
SISTEMA DE VETA No. II

100.3 ~ 104.8" (450cm)
Au 1.8 g/t
Ag 168 "
Pb 0.64 %
Zn 0.07 "
Sn 0.01 "

MJB-2 (N0°, -75°)

155.2 ~ 162.8" (760cm)
Au 1 < g/t
Ag 20 "
Pb 0.96 %
Zn 0.55 "
Sn 0.01 "

	Ag g/t	Pb %	Zn %	Pb %
19.9 ~ 21.7" (180cm)	74	2.76	8.00	0.08
62.5 ~ 64.5" (200")	156	6.86	9.57	0.10
69.8 ~ 70.2" (40")	100	4.99	12.84	0.08
70.6 ~ 71.3" (70")	150	13.37	5.35	0.15
89.0 ~ 89.2" (20")	80	0.16	0.70	0.10

	Ag g/t	Pb %	Zn %	Sn %
135.3 ~ 135.5" (20cm)	30	0.47	1.25	0.10
150.1 ~ 150.3" (20")	190	0.96	4.05	0.10
153.6 ~ 155.1" (150")	254	11.56	19.31	0.08

SISTEMA DE VETA No. I  
MJB-6 (S15°W, 70°)

MJB-8 (S15°W, 65°)

MJB-7 (S25°E, -60°)

153.9 ~ 155.5" (160cm)	Ag g/t	Pb %	Zn %	Sn %
	73	2.65	1.67	0.06
186.45 ~ 186.7" (25")	100	8.33	3.68	0.10

MJB-12 (S25°, -50°)

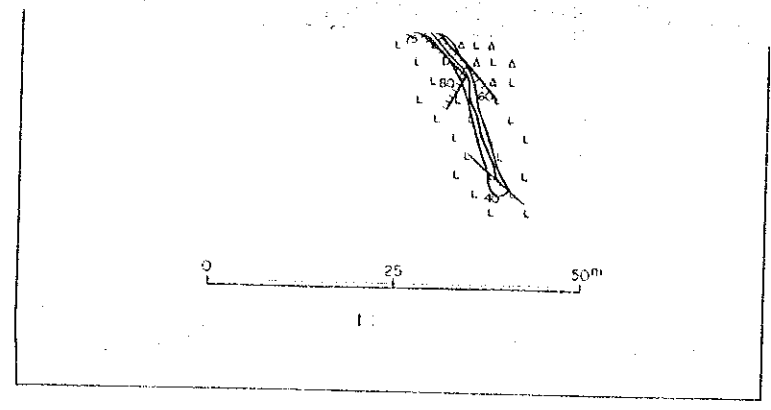
MJB-13 (S0°, -40°)

110.7 ~ 111.7" (100cm)	Ag g/t	Pb %	Zn %	Sn %
	40	2.57	3.10	0.10

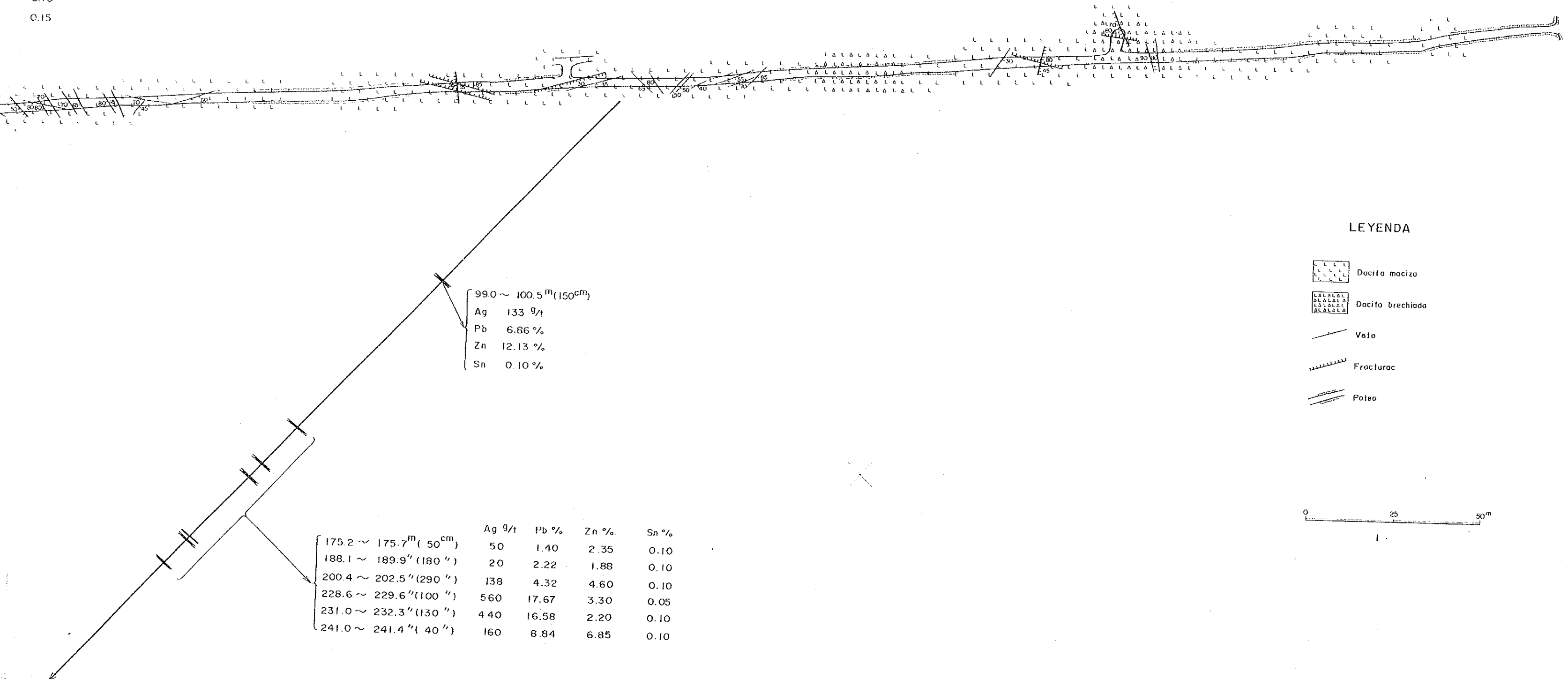
Ag g/t	Pb %	Zn %	Sn %
65	1.26	0.63	0.10

17  
18  
20  
22  
23  
24

40")	30	2.25	5.20	0.10
30")	50	2.73	5.55	0.10



Sn %
0.10
0.08
0.15
0.15

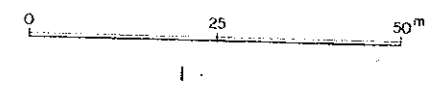


99.0 ~ 100.5 m (150 cm)  
 Ag 133 g/t  
 Pb 6.86 %  
 Zn 12.13 %  
 Sn 0.10 %

Interval	Ag g/t	Pb %	Zn %	Sn %
175.2 ~ 175.7 m (50 cm)	50	1.40	2.35	0.10
188.1 ~ 189.9" (180")	20	2.22	1.88	0.10
200.4 ~ 202.5" (290")	138	4.32	4.60	0.10
228.6 ~ 229.6" (100")	560	17.67	3.30	0.05
231.0 ~ 232.3" (130")	440	16.58	2.20	0.10
241.0 ~ 241.4" (40")	160	8.84	6.85	0.10

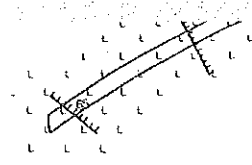
LEYENDA

- Dacita maciza
- Dacita brechiada
- Vena
- Fracturas
- Falso

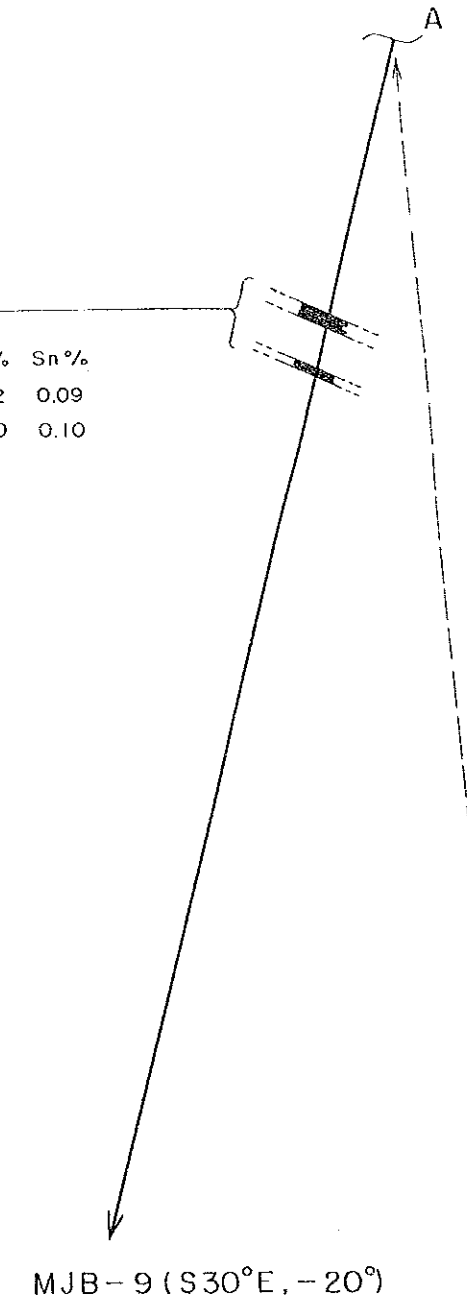


MJB-13 (S0°, -40°)

Pb %	Zn %	Sn %
2.57	3.10	0.10



	Ag g/t	Pb %	Zn %	Sn %
230.7 ~ 233.8 <sup>m</sup> (310 <sup>cm</sup> )	100	1.26	2.42	0.09
242.0 ~ 242.3 <sup>m</sup> (30 <sup>''</sup> )	120	0.64	0.80	0.10



88.4 ~ 89.6<sup>m</sup> (120<sup>cm</sup>)

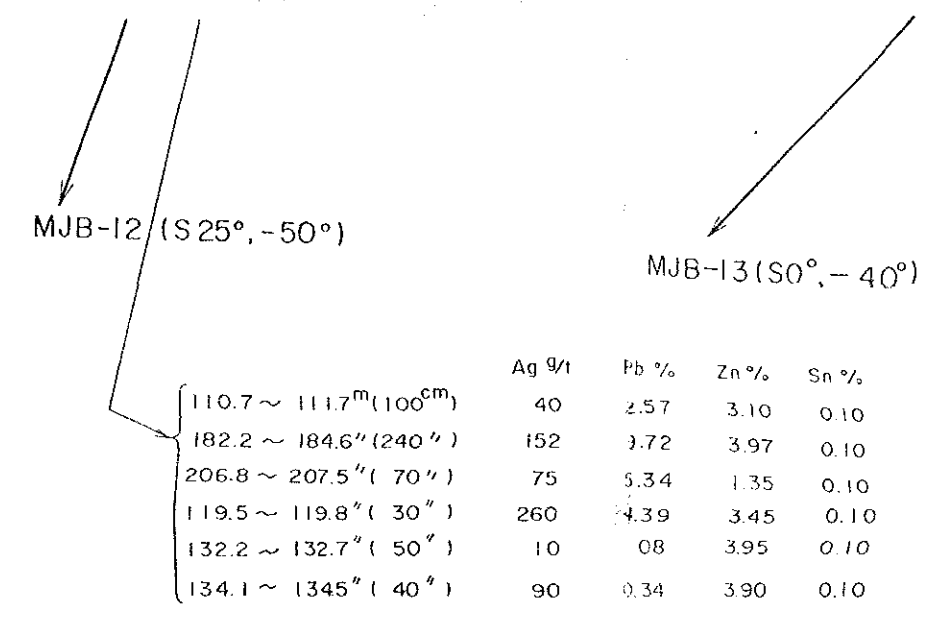
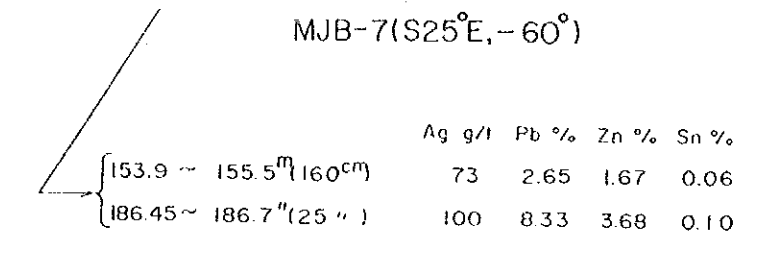
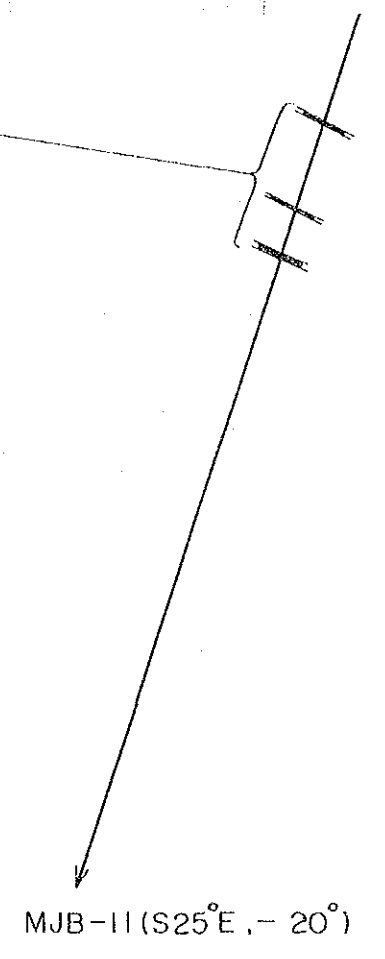
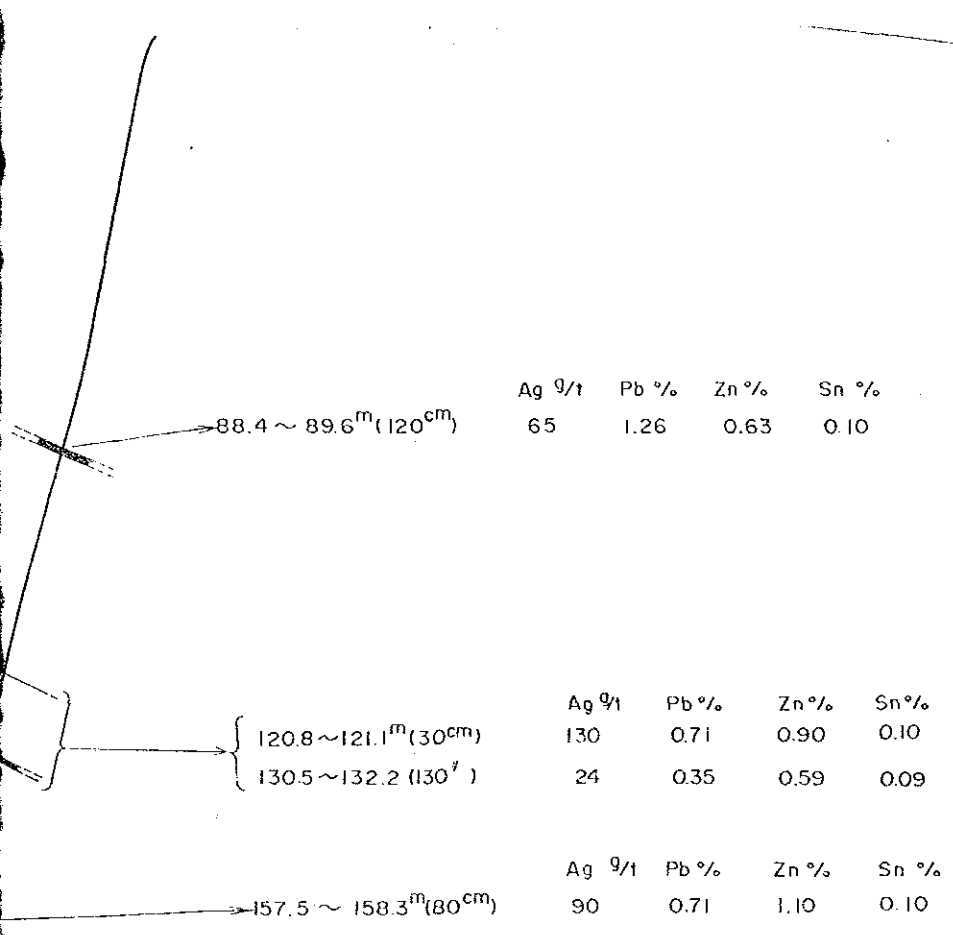
Ag g/t	Pb %	Zn %	Sn %
65	1.26	0.63	0.10

120.8 ~ 121.1<sup>m</sup> (30<sup>cm</sup>)  
130.5 ~ 132.2 (130<sup>''</sup>)

Ag g/t	Pb %	Zn %	Sn %
130	0.71	0.90	0.10
24	0.35	0.59	0.09

157.5 ~ 158.3<sup>m</sup> (80<sup>cm</sup>)

Ag g/t	Pb %	Zn %	Sn %
90	0.71	1.10	0.10

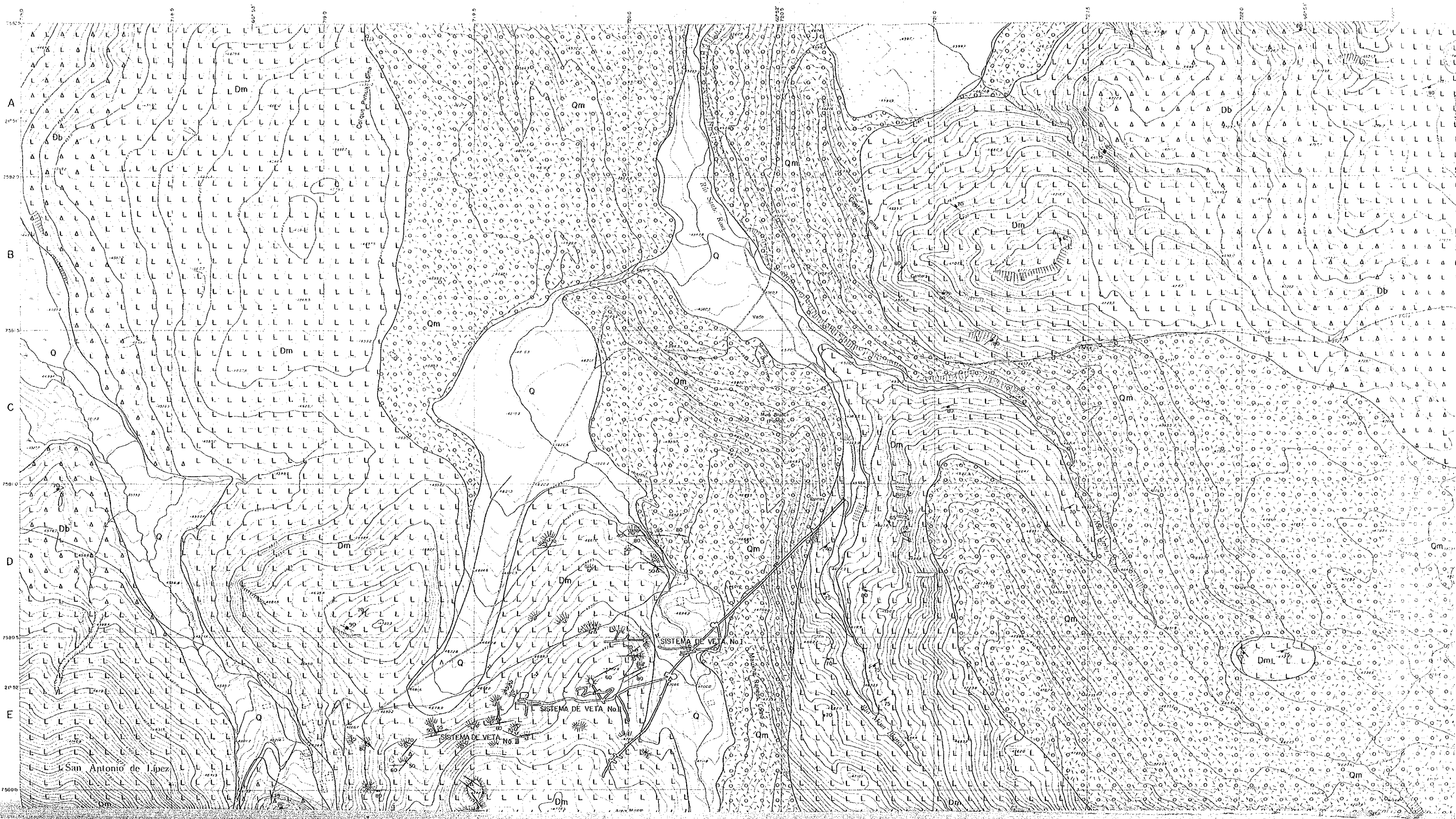


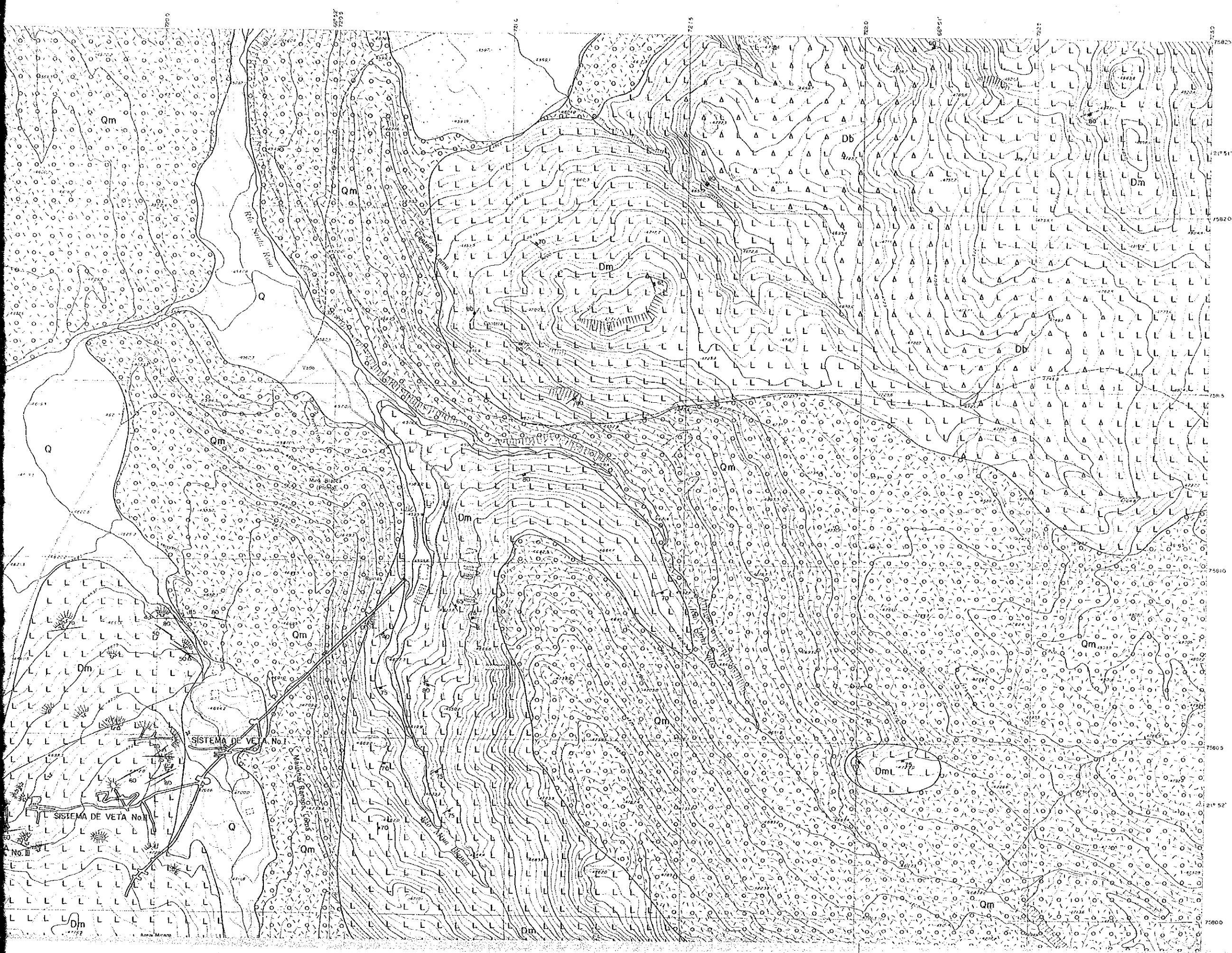
228.6 ~ 229.6" (100")	560	17.67	3.30	0.05
231.0 ~ 232.3" (130")	440	16.58	2.20	0.10
241.0 ~ 241.4" (40")	160	8.84	6.85	0.10

MJB-13 (S0°, -40°)

psi	Pb %	Zn %	Sn %
0	7.57	3.10	0.10
2	7.72	3.97	0.10
5	3.34	1.35	0.10
60	3.39	3.45	0.10
0	0.08	3.95	0.10
0	0.34	3.90	0.10







PL - I

INVESTIGACION GEOLOGICA  
EN  
AREA DE SAN ANTONIO REPUBLICA DE BOLIVIA

**MAPA GEOLOGICO  
DEL AREA ESTUDIADA**

METAL MINING AGENCY OF JAPAN  
JAPAN INTERNATIONAL COOPERATION AGENCY  
GOBIERNO DEL JAPON

FEBRERO 1983  
preparado por DOWA KOEI CO. LTD

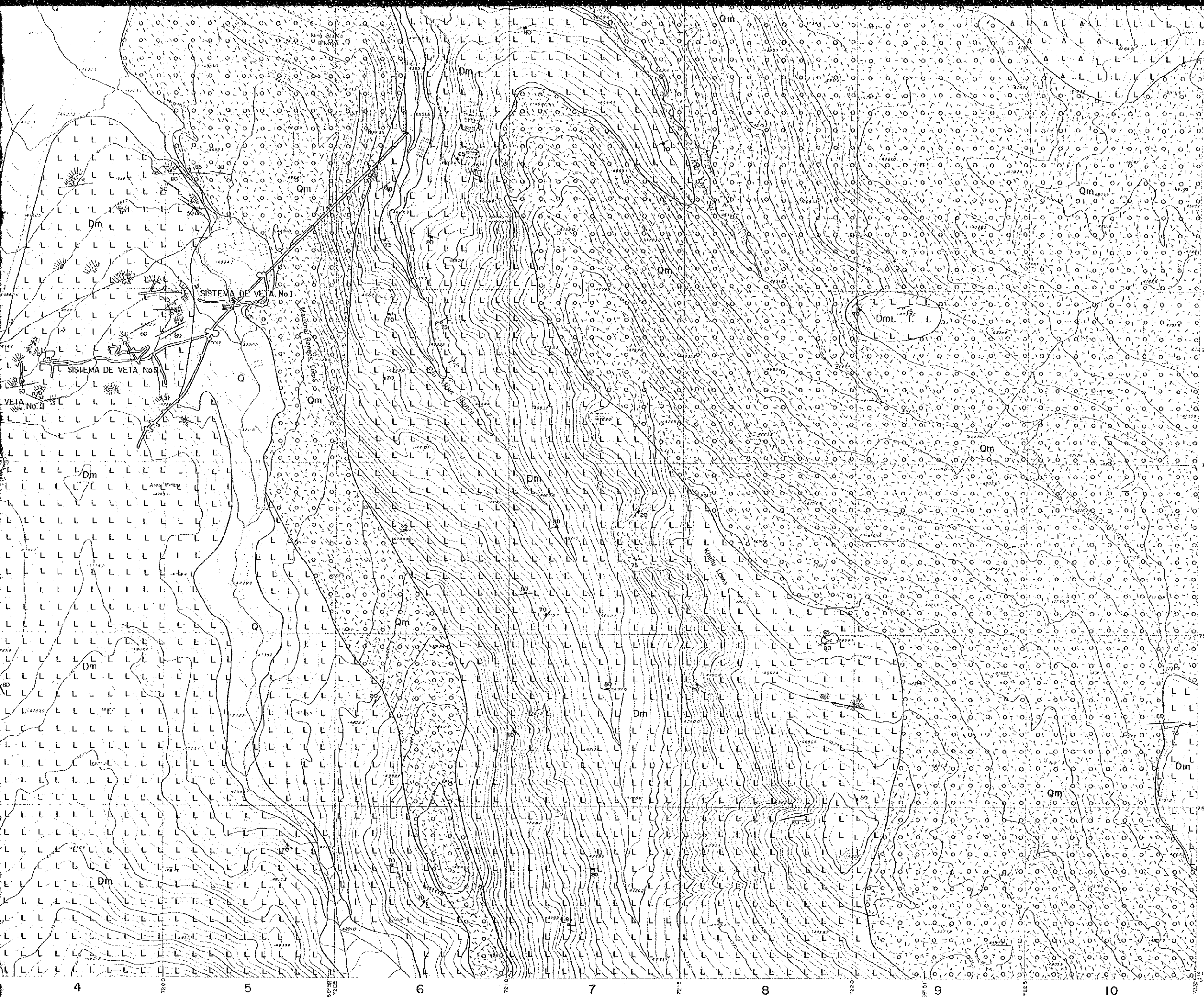
ESCALA 1:

LEYENDA

- Cuaternario
- Morrenas
- Dacito Brechada
- Dacito Masivo
- Veta
- Fractura
- Pique y Desmonte
- Boca Mina

国際協力事業団  
12998  
図書資料室蔵書





ESCALA 1: 100,000

国際協力事業団  
12998  
図書資料室蔵書

LEYENDA

- Cuaternario
- Morrenas
- Dacito Brechada
- Dacito Masiva
- Veta
- Fractura
- Pique y Desmonte
- Boca Mina

4 5 6 7 8 9 10