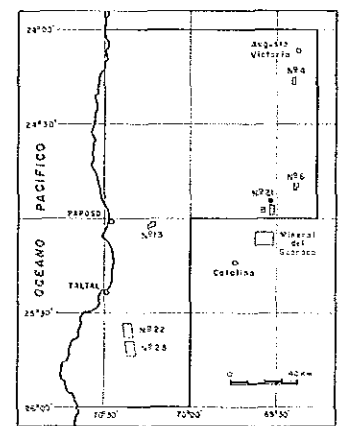


16203

PL. 23

MAPA DE UBICACION



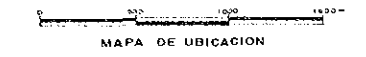
LEYENDA

- Veto
- Ventillos tipo "Network"
- Pique
- |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| Pot | Au  | Ag  | Cu  | Pb  | Zn  | As  |
| cm  | ppb | ppm | ppm | ppm | ppm | ppm |

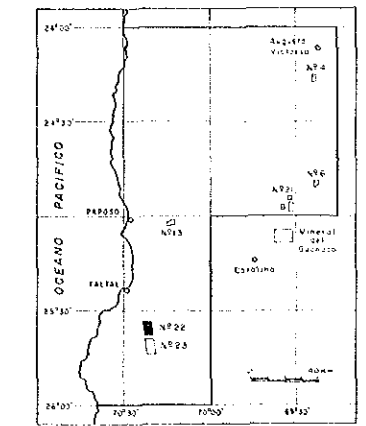
ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

PLANO DE UBICACION DE AREAS DE  
MINERALIZACION Y ALTERACION  
AREA N° 22

ESCALA 1:20.000

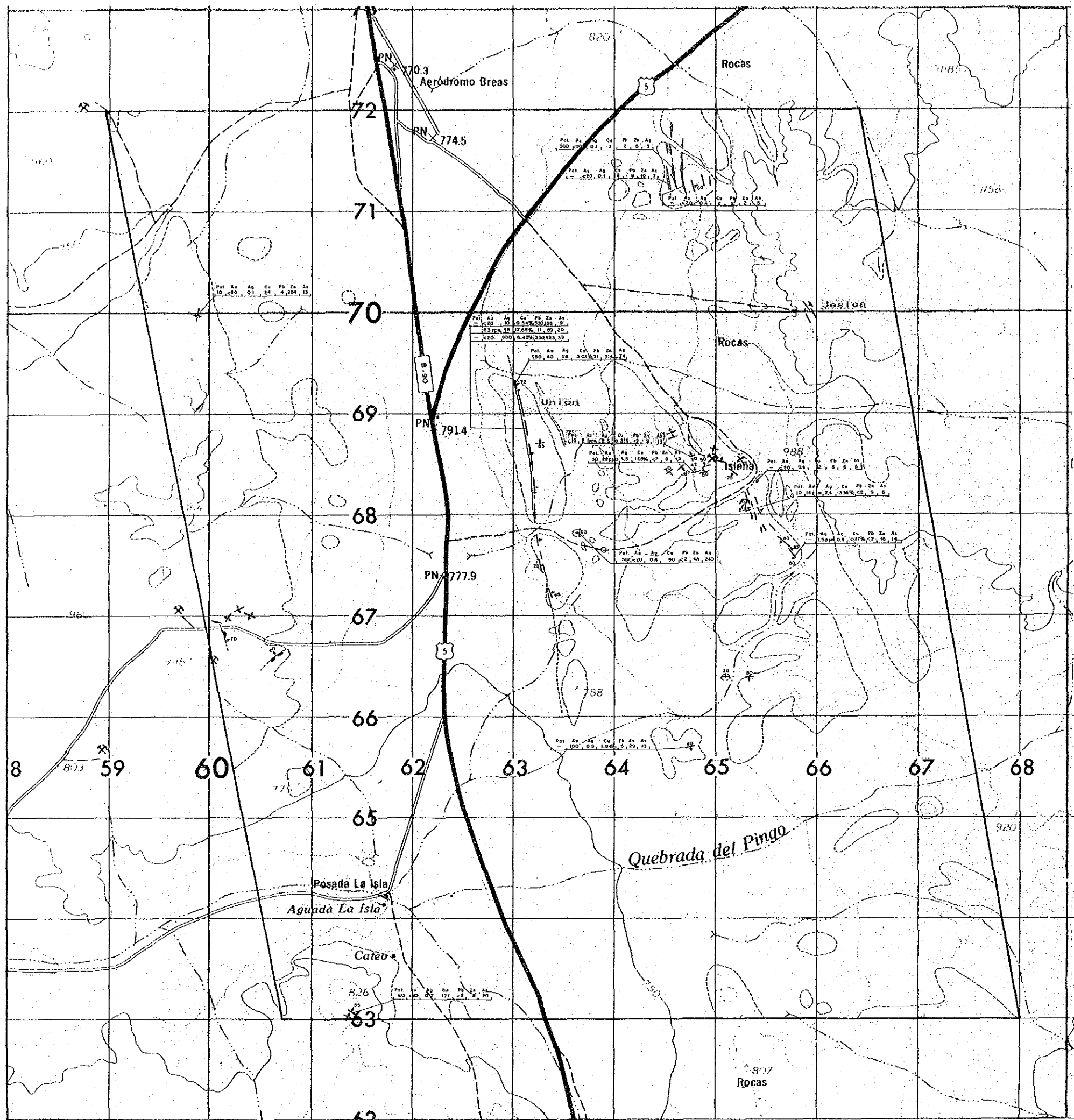


MAPA DE UBICACION



LEYENDA

- Veta
- Falla
- Silicificación
- |      |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|
| Pot. | Au  | Ag  | Cu  | Pb  | Zn  | As  |
| cm.  | ppb | ppm | ppm | ppm | ppm | ppm |



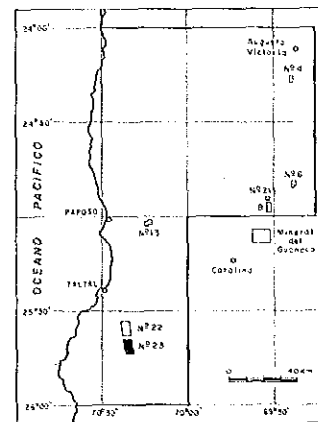
ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

PLANO DE UBICACION DE AREAS DE  
MINERALIZACION Y ALTERACION  
AREA N° 23

ESCALA 1:20000

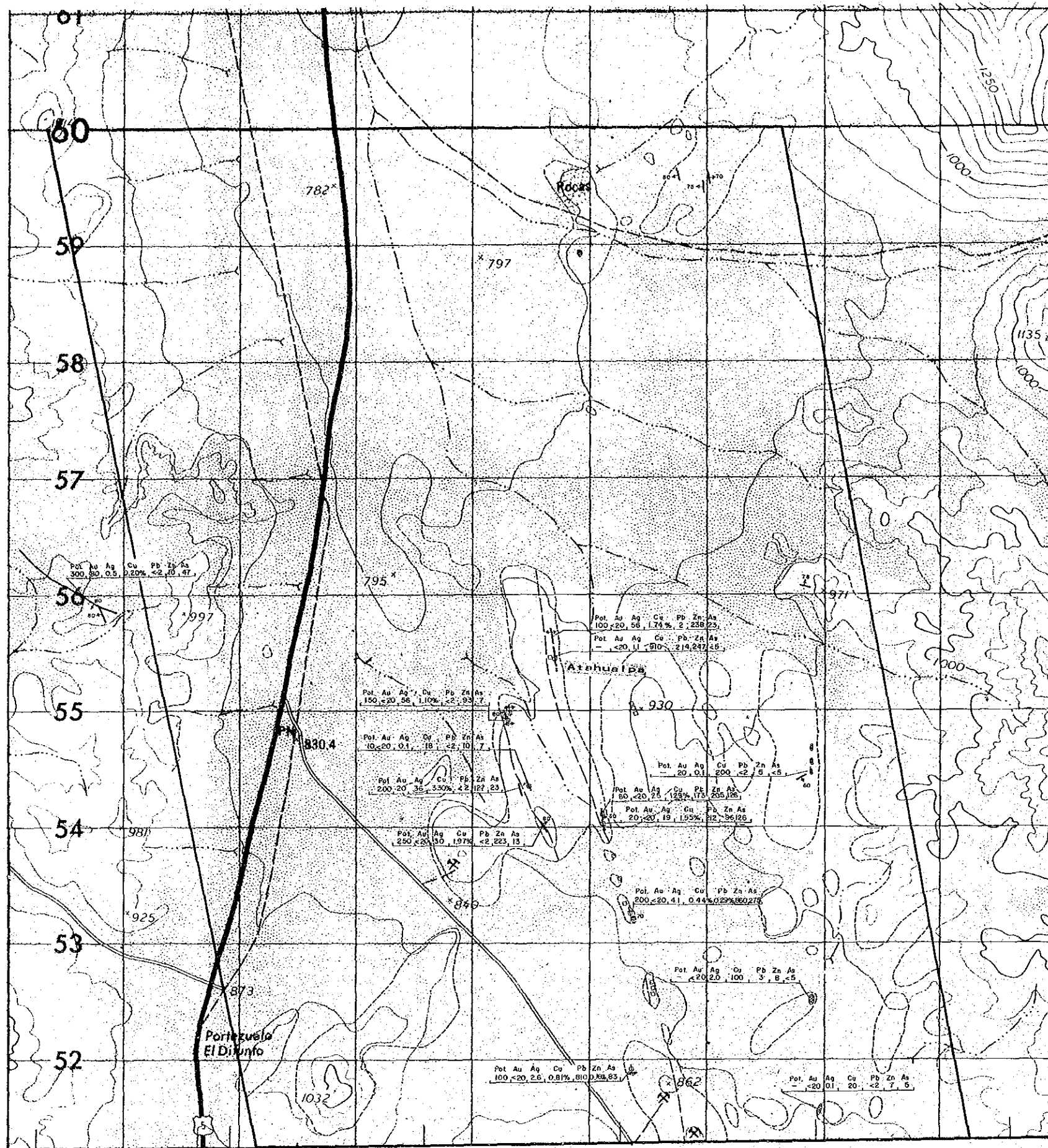


MAPA DE UBICACION



LEYENDA

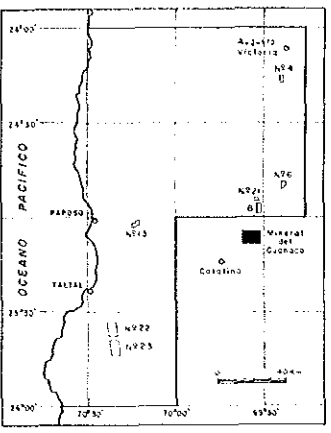
- Veta
- Falla
- Silicificación
- Pique o picado
- Pot Au Ag Cu Pb Zn As  
cm, ppb, ppm, ppm, ppm, ppm, ppm



ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

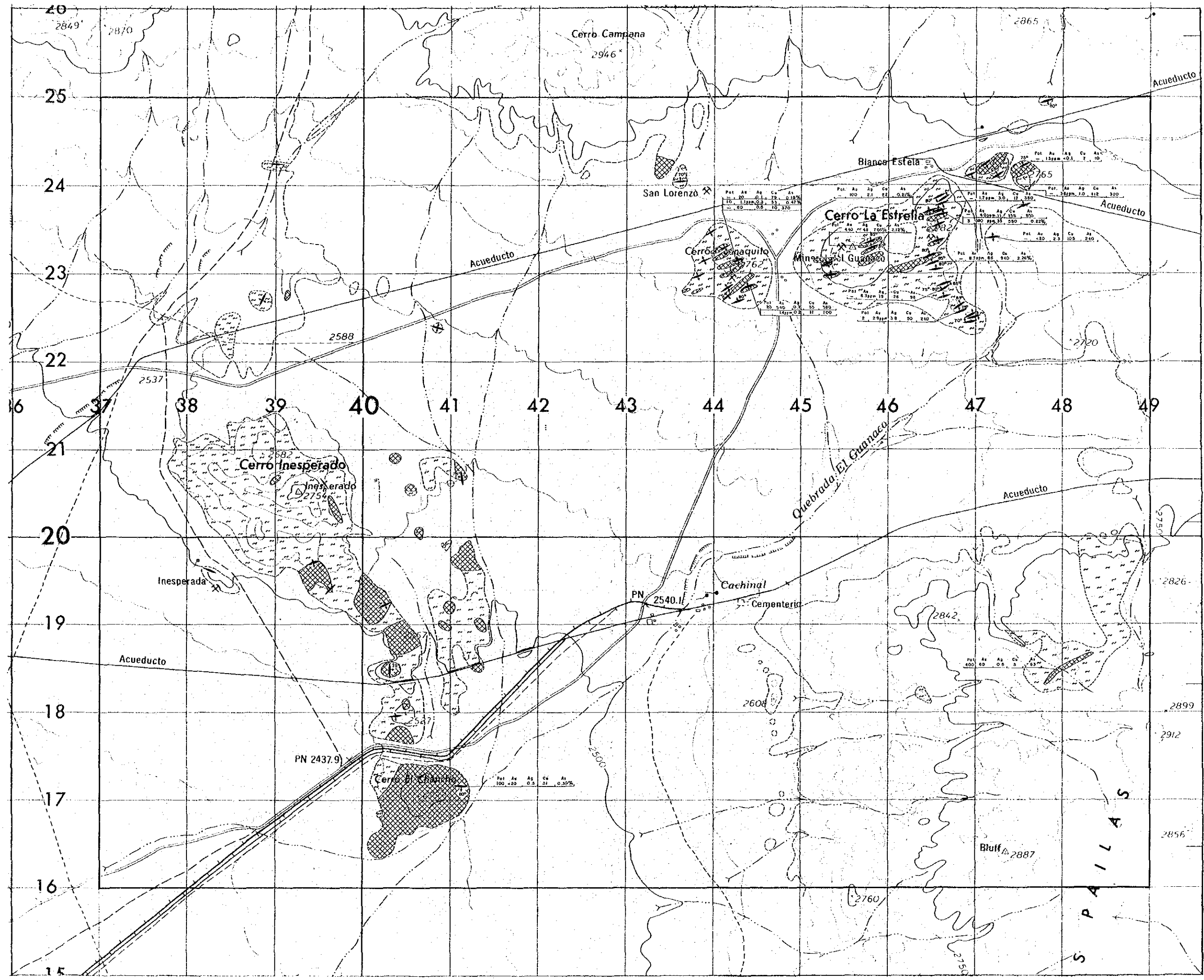
PLANO DE UBICACION DE AREAS DE  
MINERALIZACION Y ALTERACION  
AREA MINERAL DEL GUANACO

ESCALA 1:100000

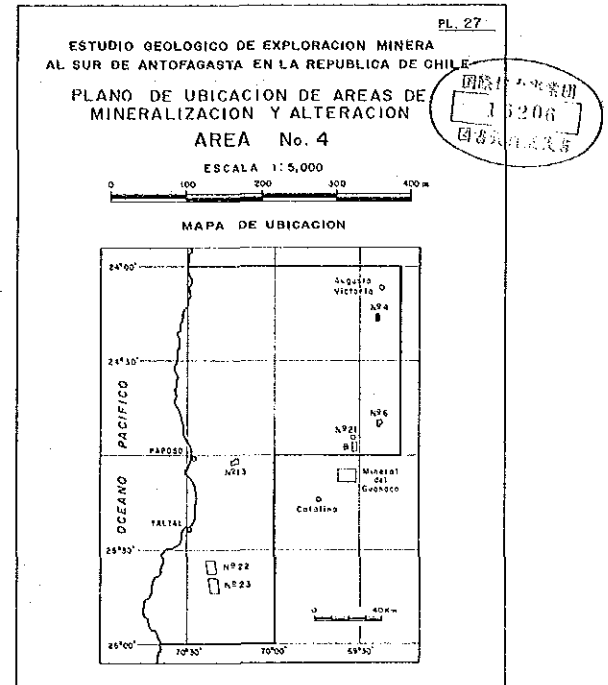
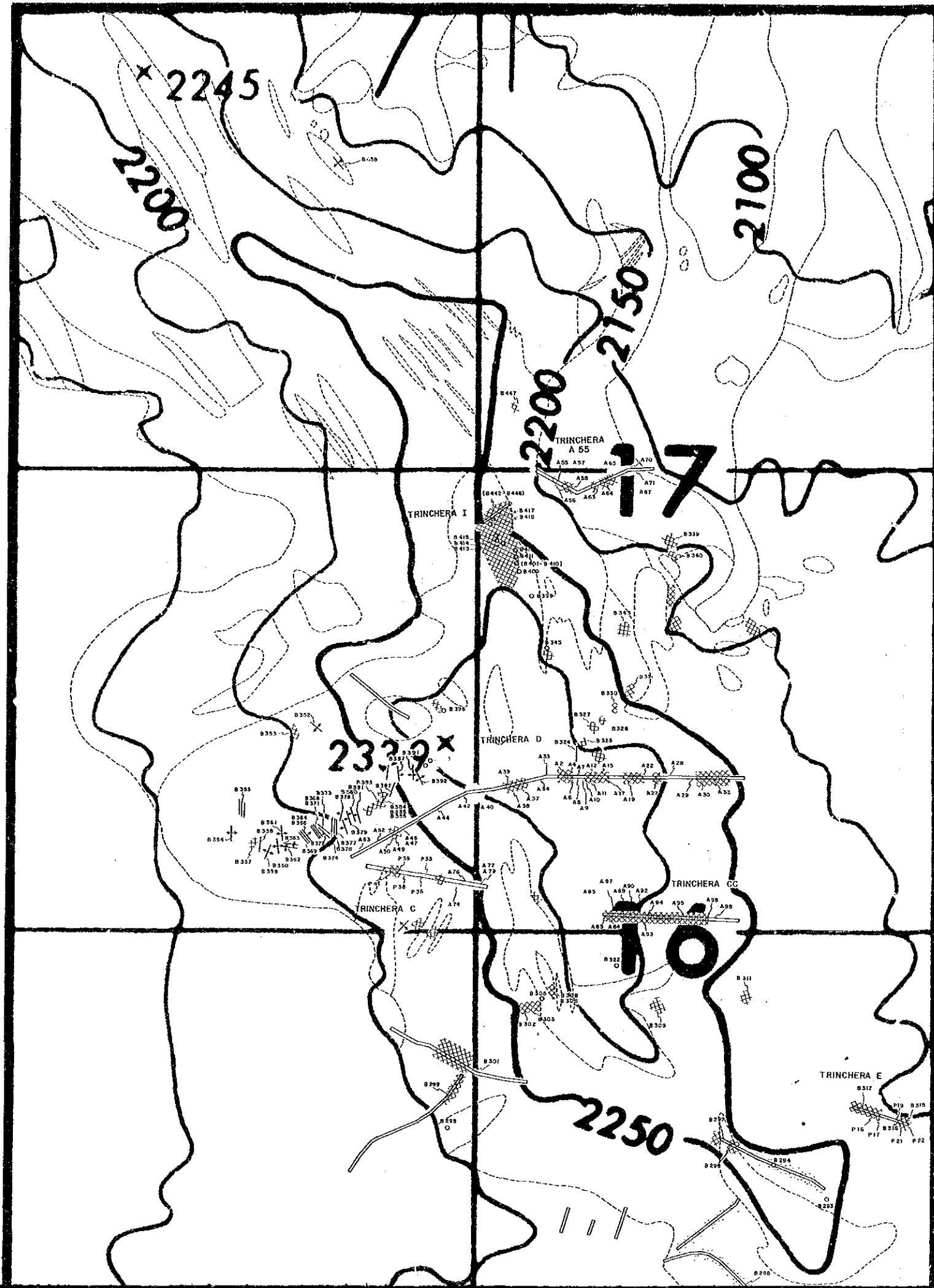


LEYENDA

- Veto
- Silicificación
- Argitización
- |     |     |     |     |     |
|-----|-----|-----|-----|-----|
| Pot | Au  | Ag  | Cu  | As  |
| cm  | ppb | ppm | ppm | ppm |

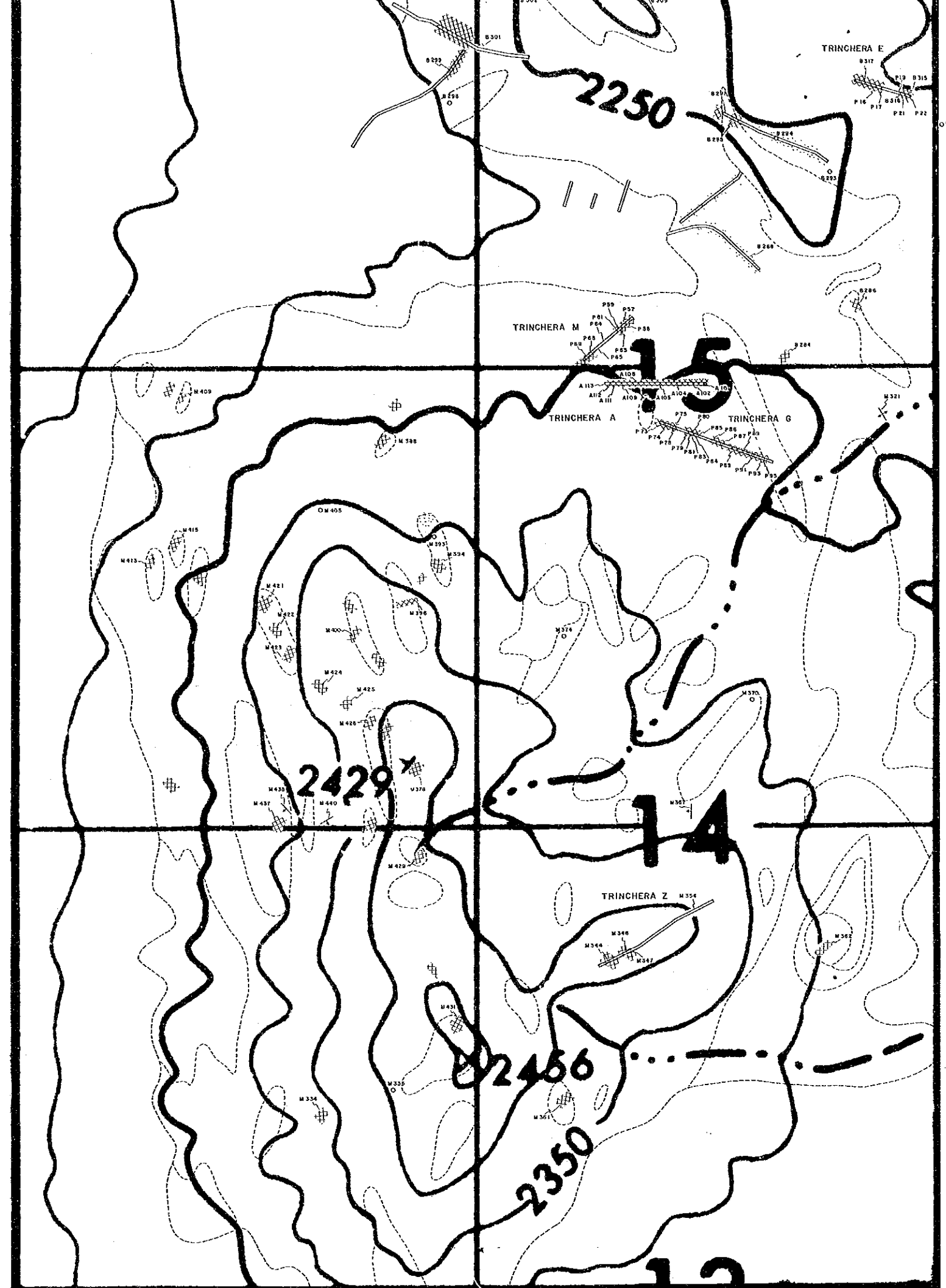


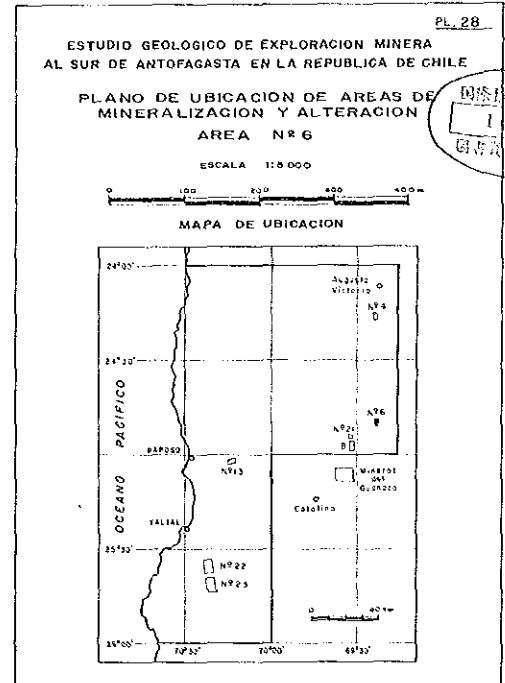
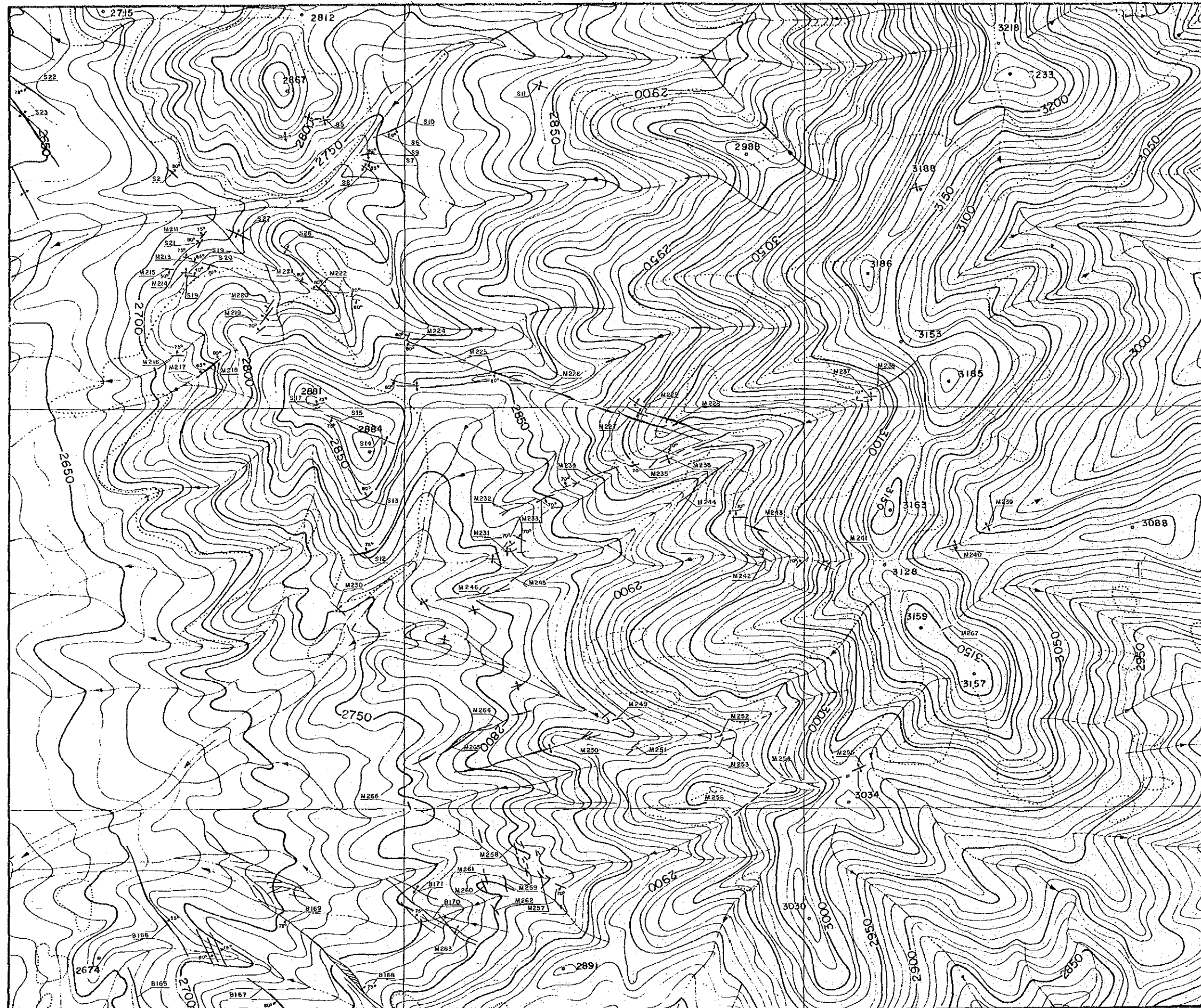
Area	No	Au ppm	Ag ppm	Cu ppm	A <sub>1</sub> ppm
A2	20	0.3	2	74	
A4	20	0.4	2	90	
A6	20	0.5	4	147	
A7	20	0.5	5	148	
A9	40	1.7	5	52	
A9	20	0.7	10	56	
A10	20	0.3	5	109	
A11	20	0.7	4	147	
A12	20	0.1	2	27	
A15	20	0.1	12	62	
A17	20	0.2	44	185	
A19	80	0.2	71	400	
A22	40	0.3	34	159	
A27	20	0.2	88	31	
A28	20	0.2	39	50	
A29	20	0.4	39	73	
A30	40	0.3	223	150	
A32	40	0.2	41	194	
A33	20	0.3	2	51	
A34	20	0.3	2	106	
A37	20	0.4	22	123	
A38	20	0.1	2	103	
A39	20	0.2	3	115	
A40	20	0.3	19	34	
A42	20	0.4	60	69	
A44	20	0.1	11	106	
A46	20	0.4	210	215	
A47	20	1.2	94	173	
A49	40	0.8	241	670	
A50	20	0.6	230	580	
A52	20	0.6	50	170	
A53	20	0.5	97	107	
A54	20	0.4	16	111	
A56	20	0.2	0.20%	360	
A57	20	0.3	400	154	
A58	20	0.3	230	119	
A63	20	0.2	28	42	
A64	20	0.3	59	19	
A65	20	0.4	32	57	
A67	20	0.4	61	37	
A70	20	0.4	83	274	
A71	20	0.6	71	27	
A74	20	0.3	61	450	
A76	20	0.3	193	360	
A77	20	0.2	72	150	
A79	20	0.1	47	0.11%	
A83	20	0.3	99	190	
A84	20	0.3	11	71	
A85	20	0.2	150	111	
A87	20	0.1	66	39	
A89	20	0.3	28	118	
A90	40	0.4	720	900	
A92	20	0.4	330	600	
A93	20	0.2	0.11%	91	
A94	20	0.0	390	115	
A95	20	0.3	116	124	
A96	20	0.3	85	76	
A98	20	0.2	240	136	
A101	20	0.2	330	59	
A102	20	0.3	193	21	
A104	20	0.3	580	30	
A105	20	0.3	183	18	
A106	20	0.6	215	118	
A108	20	0.3	6	50	
A111	20	0.4	21	29	
A112	20	0.3	4	31	
A113	20	0.3	8	63	
B284	20	0.2	28	43	
B286	20	0.5	39	72	
B288	20	0.1	74	44	
B295	20	1.3	80	255	
B294	20	0.3	2	25	
B296	40	1.0	3	42	
B297	20	0.1	153	57	
B298	20	0.8	4	15	
B299	20	0.1	116	650	
B301	20	0.1	112	184	
B302	20	0.2	205	350	
B303	40	0.1	42	51	
B305	20	0.2	45	0.11%	
B306	20	0.2	34	234	
B308	20	0.1	10	196	
B309	20	0.1	240	196	
B311	20	0.1	0.13%	235	
B315	20	0.2	155	36	
B317	20	0.1	60	67	
B324	40	0.2	4	67	
B325	20	0.3	4	100	
B327	20	0.2	4	59	
B328	20	0.2	3	138	
B330	20	0.2	3	138	
B331	20	0.2	83	86	
B333	20	0.1	54	143	
B343	80	2.7	440	540	
B345	20	0.3	140	0.12%	
B342	80	0.9	48	30	
B353	20	0.1	350	110	
B354	20	0.1	4	29	
B355	20	0.2	7	79	
B357	20	0.2	35	16	
B358	20	0.2	390	142	
B359	20	0.2	119	43	
B360	20	0.2	160	140	
B361	20	0.1	165	104	
B362	20	0.1	170	33	
B363	20	0.9	54	57	
B364	40	5.1	76	177	
B365	140	1.8	140	206	
B366	160	1.8	84	96	
B367	40	0.7	26	16	
B368	100	1.4	44	17	
B369	60	1.4	58	46	
B370	20	1.0	183	0.14%	
B371	40	1.1	153	330	
B372	20	1.0	212	725	
B373	20	0.4	71	118	
B374	20	0.2	134	90	
B376	20	0.2	125	87	
B377	20	0.2	65	57	
B378	40	0.3	98	63	
B379	20	0.2	155	58	
B380	20	0.2	165	300	
B381	20	0.2	148	258	
B383	20	0.5	40	371	
B384	20	0.2	10	118	
B385	40	0.3	7	24	
B386	80	0.5	10	17	
B387	40	0.6	26	58	
B388	20	0.3	17	330	
B391	20	0.2	9	220	
B392	20	0.1	42	39	
B396	20	0.1	2	18	
B398	20	0.2	2	47	
B400	20	0.1	2	7	
B401	20	0.2	72	250	
B402	20	0.3	58	170	
B403	20	0.3	48	227	
B404	20	0.5	85	125	
B405	20	0.7	91	400	
B406	20	0.2	60	143	
B407	20	0.2	60	180	
B408	20	0.3	47	160	
B409	20	0.2	98	170	
B411	20	0.2	112	430	
B412	20	0.2	81	380	
B413	20	0.2	123	270	
B414	20	0.2	100	720	
B415	20	0.2	87	172	



- LEYENDA
- B331
  - B351
  - B351
  - ▣ Ubicación de muestra
  - ▣ Vetillos tipo "network"
  - ▣ Vetillo de rumbo preferencial
  - ▣ Impregnación de limonita
  - Roca alterada
  - ▣ Trinchera

B377	<20	0.2	65	57
B378	<20	0.3	98	57
B379	<20	0.2	155	58
B380	<20	0.2	163	300
B381	<20	0.2	118	258
B383	<20	0.5	40	371
B384	<20	0.2	10	118
B385	<20	0.3	7	24
B386	<20	0.5	10	17
B387	<20	0.4	28	56
B388	<20	0.3	17	430
B391	<20	0.2	9	220
B392	<20	0.1	25	39
B396	<20	0.1	42	18
B398	<20	0.2	42	47
B400	<20	0.1	42	7
B401	<20	0.2	72	250
B402	<20	0.3	58	170
B403	<20	0.3	48	227
B404	<20	0.2	65	125
B405	<20	0.7	91	400
B406	<20	0.2	60	143
B407	<20	0.2	60	180
B408	<20	0.3	47	160
B409	<20	0.2	99	170
B411	<20	0.2	112	430
B412	<20	0.2	81	380
B413	<20	0.2	123	270
B414	<20	0.2	400	720
B415	<20	0.2	87	173
B416	<20	0.1	50	38
B417	<20	0.1	290	57
B442	<20	0.3	260	105
B443	<20	0.2	290	49
B444	<20	0.1	290	127
B445	<20	0.2	413	24
B446	<20	1.0	370	38
B447	<20	0.1	51	162
B458	<20	2.5	67	210
M321	<20	0.1	21	27
M324	<20	0.2	86	37
M333	<20	0.6	38	67
M344	<20	0.1	13	10
M345	<20	0.2	241	45
M347	<20	0.1	91	17
M351	<20	0.1	24	28
M361	<20	1.1	10	25
M362	<20	0.5	42	11
M367	<20	0.2	50	120
M375	<20	0.7	12	68
M376	<20	0.1	3	17
M378	<20	3.1	52	100
M388	<20	0.2	125	38
M393	<20	0.1	14	33
M394	<20	0.9	26	62
M396	<20	0.5	13	42
M400	<20	0.2	66	50
M405	<20	0.8	37	122
M409	<20	0.4	4	66
M413	<20	0.3	6	15
M415	<20	0.3	2	36
M421	<20	0.2	7	36
M422	<20	0.3	7	32
M423	<20	0.2	23	38
M424	<20	0.6	12	53
M425	<20	1.2	95	64
M426	<20	1.2	21	38
M429	<20	0.2	40	29
M431	<20	0.1	7	29
M437	<20	0.2	186	20
M438	<20	0.5	65	20
M440	<20	0.3	40	6
P16	<20	0.1	50	77
P17	<20	0.1	88	21
P19	<20	0.4	25	303
P21	<20	0.2	139	78
P22	<20	0.1	48	62
P33	<20	0.1	44	40
P36	<20	0.1	191	316
P38	<20	0.2	15	106
P39	<20	0.2	6	45
P41	<20	0.1	3	126
P56	<20	0.1	83	92
P57	<20	0.1	295	81
P59	<20	0.1	148	100
P61	<20	0.1	168	130
P63	<20	0.1	283	66
P64	<20	0.2	357	135
P66	<20	0.1	61	91
P68	<20	0.2	21	31
P69	<20	0.1	21	50
P73	<20	0.2	46	33
P74	<20	0.1	108	34
P75	<20	0.2	92	38
P78	<20	0.1	102	39
P79	<20	0.1	52	48
P80	<20	0.1	67	37
P81	<20	0.1	44	27
P83	<20	0.1	87	45
P84	<20	0.1	91	50
P85	<20	0.1	148	81
P86	<20	0.1	56	55
P87	<20	0.1	162	43
P88	<20	0.1	127	59
P89	<20	0.1	131	57
P91	<20	0.1	96	78
P93	<20	0.1	97	78
P95	<20	0.1	153	87





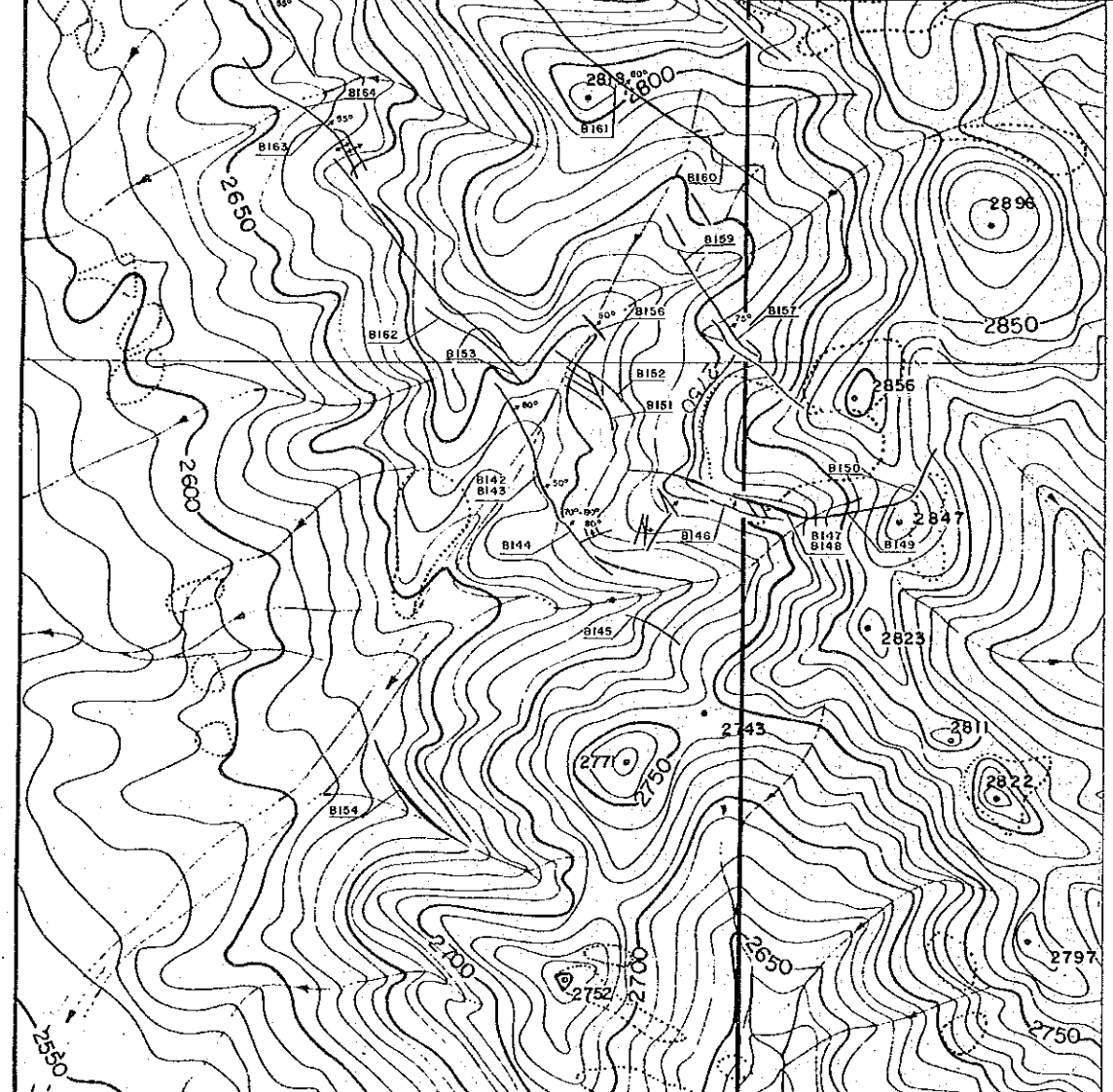
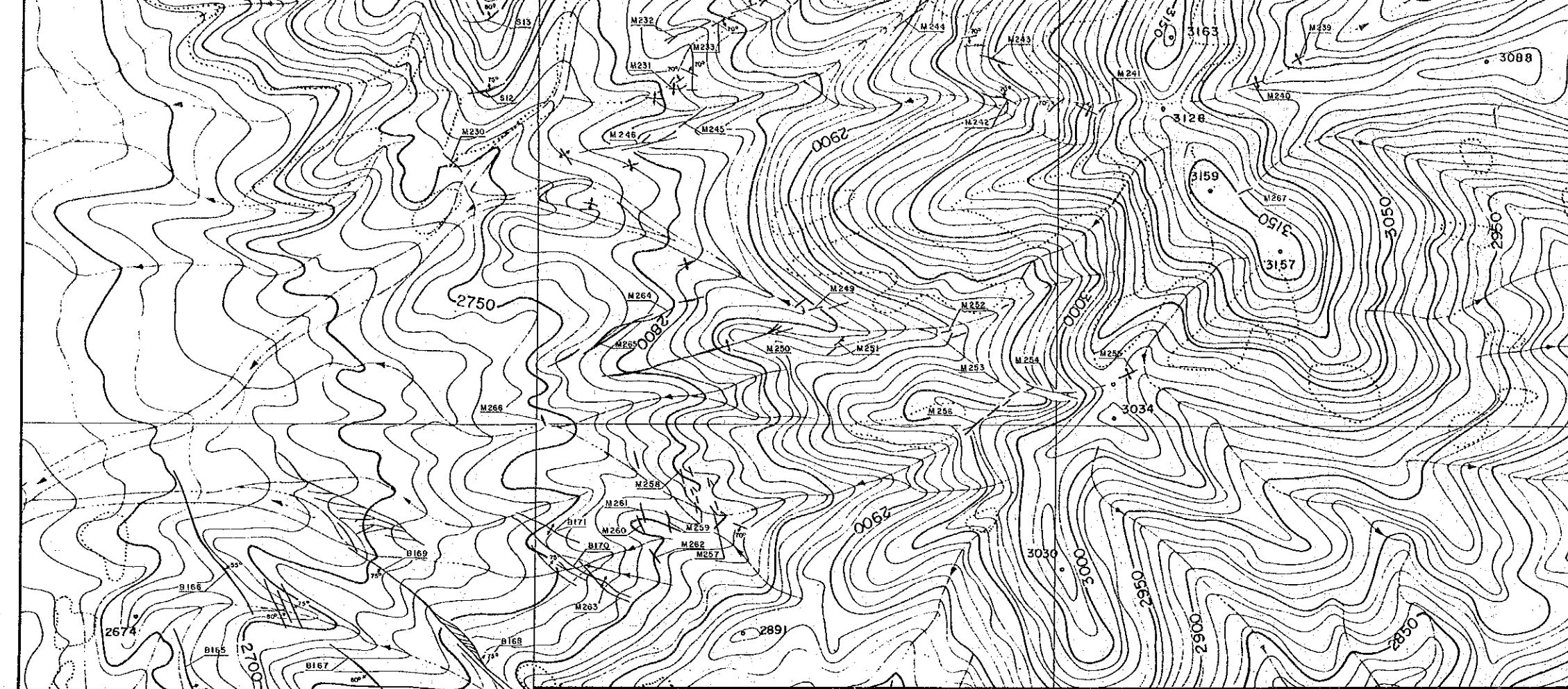
1206

LEYENDA

- Veto
- B160 Número de muestra

ANALISIS QUIMICOS DE MENA DEL AREA N° 6

Muestra N°	Pot. cm	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Muestra N°	Pot. cm	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
B142	70	<20	0.9	174	139	240	48	M237	15	120	0.5	74	109	20	16
B143	70	<20	1.5	420	204	470	187	M238	80	<20	0.5	110	510	550	35
B144	50	<20	35	0.42%	0.70%	227	36	M239	180	<20	0.2	32	42	58	12
B145	45	<20	0.2	3	4	97	13	M240	40	<20	1.0	100	70	36	26
B146	80	<20	<0.1	3	4	42	15	M241	40	<20	0.4	133	22	29	19

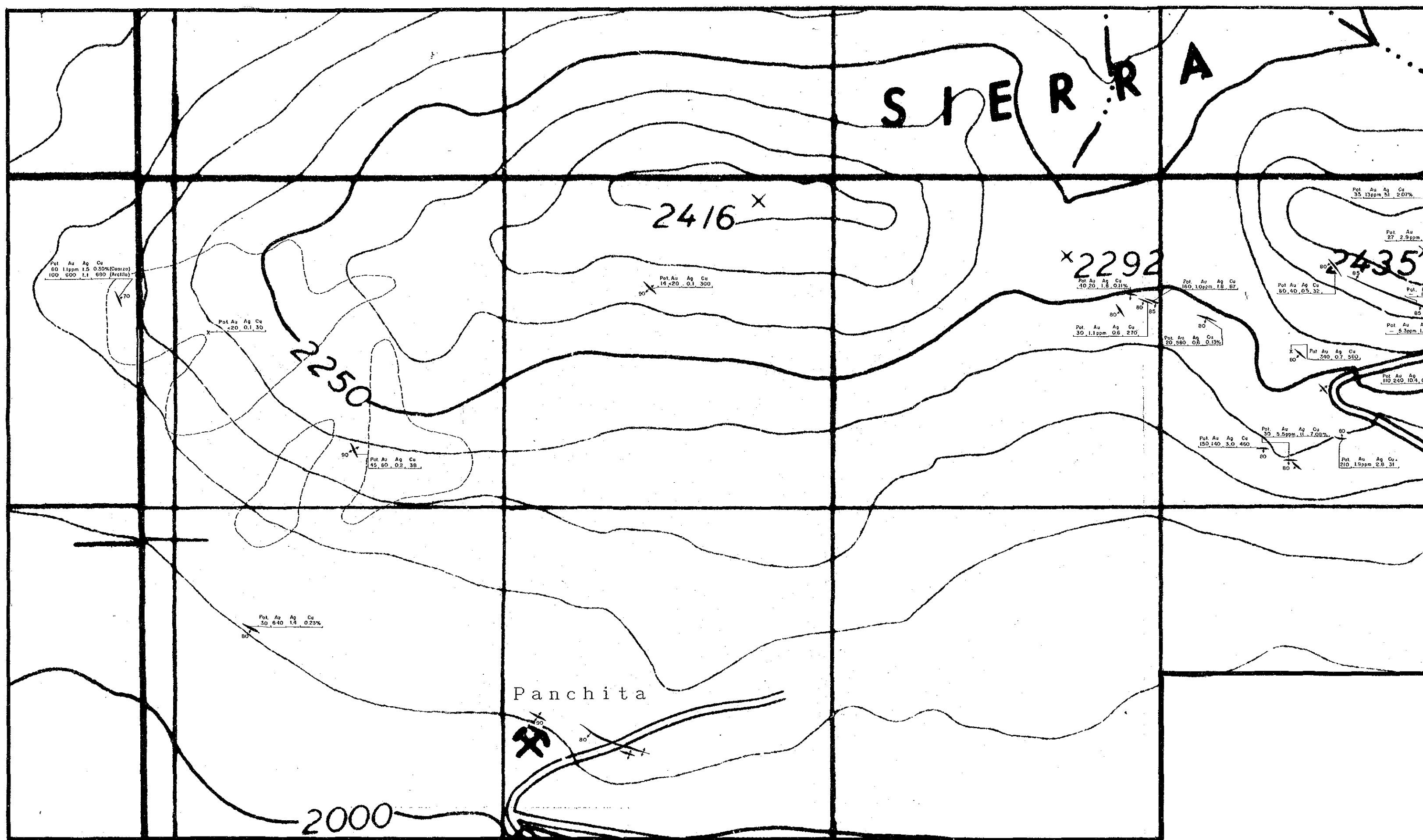


ANALISIS QUIMICOS DE MENA DEL AREA N° 6

Muestra N°	Pot. cm	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Muestra N°	Pot. cm	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
B142	70	<20	0.9	174	139	240	48	M237	15	120	0.5	74	109	20	16
B143	70	<20	1.5	420	204	470	187	M238	80	<20	0.5	110	510	530	35
B144	50	<20	35	0.42%	0.70%	227	36	M239	180	<20	0.2	32	42	58	12
B145	45	<20	0.2	3	4	97	13	M240	40	<20	1.0	100	70	36	26
B146	80	<20	<0.1	3	4	42	15	M241	40	<20	0.4	133	22	29	19
B147	90	<20	0.3	55	7	7	14	M242	40	<20	0.3	6	3	3	<5
B148	90	<20	0.4	32	11	6	20	M243	40	<20	0.2	24	5	12	10
B149	40	<20	2.4	720	420	48	34	M244	40	<20	0.5	14	4	4	5
B150	40	60	86	0.12%	0.20%	0.61%	110	M245	120	<20	0.6	128	6	10	6
B151	40	<20	0.4	7	238	243	13	M246	40	<20	0.4	118	13	14	35
B152	60	<20	1.5	192	0.11%	0.66%	48	M249	40	<20	1.6	180	18	6	29
B153	<20	0.1	4	13	26	9	6	M250	80	<20	1.9	480	28	35	42
B154	<20	0.1	3	38	10	6	9	M251	30	<20	1.6	101	380	48	26
B155	<20	0.1	3	38	10	6	6	M252	20	<20	0.4	22	28	13	9
B156	25	<20	90	0.17%	0.23%	0.11%	150	M253	50	<20	1.6	144	117	0.20%	53
B157	90	<20	0.2	53	8	11	18	M254	180	<20	0.9	68	154	23	41
B159	20	<20	0.3	42	5	37	19	M255	100	20	8.6	80	1.55%	0.12%	39
B160	40	<20	0.4	184	7	67	32	M256	110	20	2.5	370	2.25%	59	98
B161	110	20	1.6	220	0.12%	0.22%	59	M257	60	<20	1.6	283	55	29	47
B162	-	<20	0.3	18	750	510	10	M258	60	<20	1.4	250	324	163	59
B163	50	<20	0.1	3	69	94	7	M259	110	<20	0.2	3	7	14	8
B164	196	<20	1.6	42	0.24%	0.28%	23	M260	60	<20	0.1	<2	7	4	11
B165	-	<20	2.3	80	0.39%	0.43%	27	M261	30	<20	0.6	830	23	38	159
B166	80	<20	2.0	810	288	210	250	M262	30	<20	0.2	3	3	4	12
B167	140	40	3.9	220	0.31%	0.76%	113	M263	30	<20	0.4	44	14	4	12
B169	990	<20	0.6	84	120	550	13	M264	40	<20	0.3	52	4	5	13
B169	250	<20	0.3	21	13	6	17	M265	50	<20	0.9	610	23	262	28
B170	40	<20	0.7	590	7	10	43	M266	100	<20	0.1	3	108	35	14
B171	20	<20	0.1	5	2	4	7	M267	20	20	4.3	230	0.33%	440	24
M211	30	<20	0.2	6	16	41	12	S 2 A	70	<20	1.7	610	16	430	128
M212	20	<20	0.3	36	3	34	25	S 4 A	-	<20	0.2	3	5	12	10
M214	10	<20	0.2	102	15	107	72	S 5 A	50	<20	<0.1	4	17	10	10
M216	20	<20	0.7	330	10	50	87	S 6 A	1000	<20	3.1	310	79	157	66
M217	30	20	1.2	27	33	44	21	S 7 A	30	<20	<0.1	10	2	60	15
M218	150	<20	0.8	118	31	260	56	S 8 A	30	<20	0.6	88	6	41	39
M219	170	<20	0.4	3	11	52	39	S 9 A	60	<20	0.7	270	162	450	54
M220	50	<20	0.2	7	13	24	24	S10 A	150	<20	0.3	14	42	29	15
M221	40	<20	0.2	2	12	18	60	S11 A	30	<20	0.4	117	900	60	26
M222	230	<20	0.2	9	4	18	12	S12 A	80	<20	1.4	133	9	11	70
M224	70	<20	39	560	0.16%	156	130	S13 A	40	<20	0.2	16	29	6	12
M225	310	<20	0.2	210	14	41	80	S14 A	160	<20	20	0.32%	93	730	780
M226	210	<20	0.2	45	12	12	19	S15 A	130	<20	1.5	210	39	88	84
M227	140	40	0.5	113	5	10	16	S17 A	30	<20	0.3	48	24	104	106
M228	30	<20	0.5	28	16	8	27	S19 A	10	<20	0.4	130	7	42	29
M229	50	<20	0.2	60	3	6	13	S20 A	40	<20	<0.1	60	2	9	14
M230	130	<20	24	103	0.12%	97	69	S21 A	20	<20	<0.1	50	2	6	12
M231	30	<20	0.3	62	14	52	45	S22 A	180	<20	<0.1	11	2	4	8
M232	110	<20	0.3	82	63	12	26	S23 A	160	<20	0.7	940	7	23	330
M233	110	<20	0.9	450	5	31	45	S24 A	200	<20	0.6	4	41	30	19
M234	210	<20	0.2	224	26	25	37	S25 A	40	31	7.90	0.26%	44	34	
M235	40	<20	0.1	4	3	6	5	S26 A	<20	<0.1	4	7	5	8	
M236	60	<20	0.4	57	17	5	20	S27 A	<20	0.2	6	5	11	6	

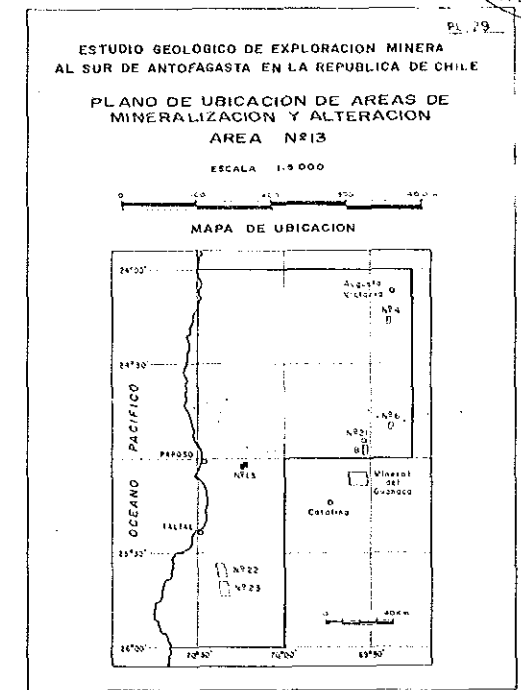
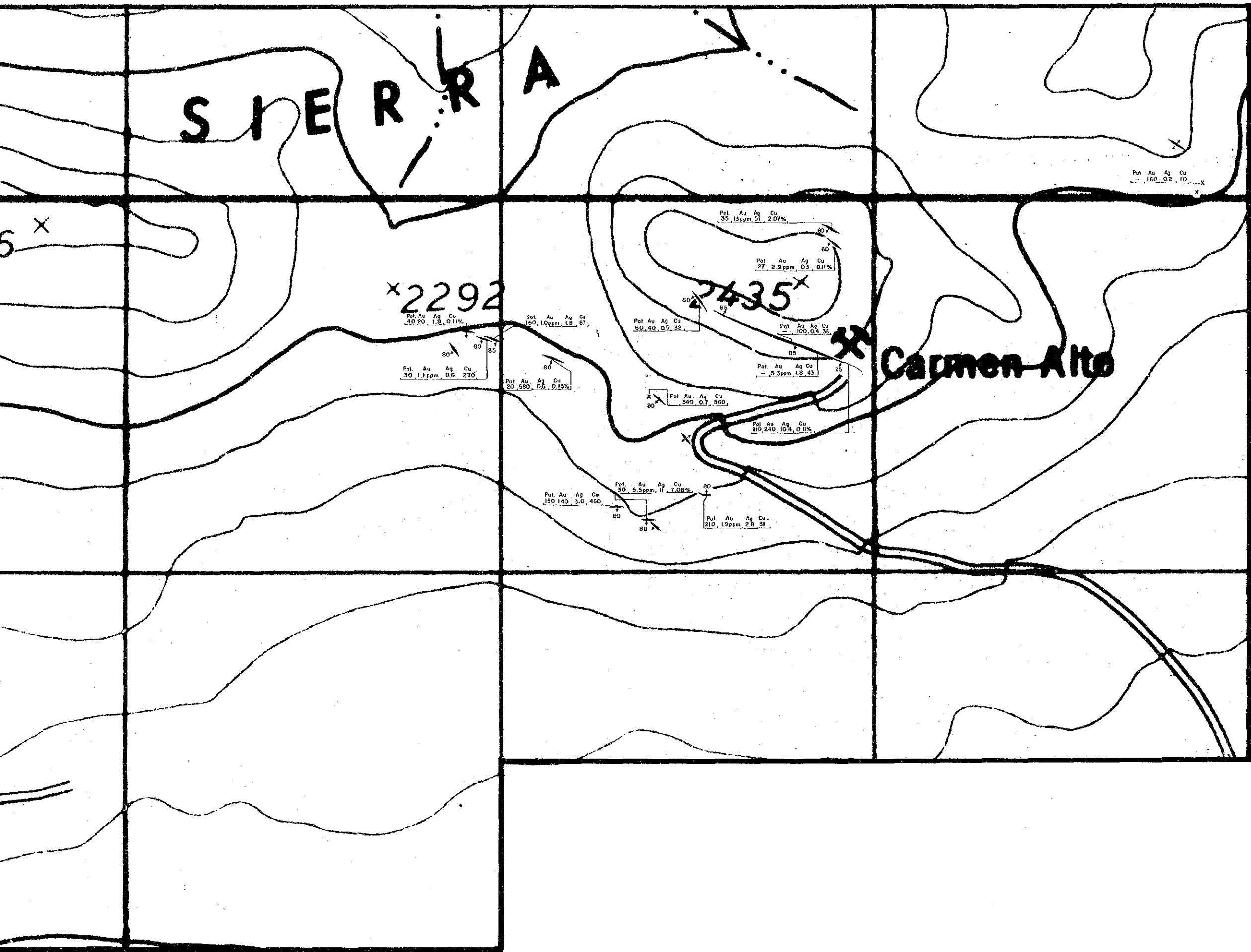


# S I E R R A

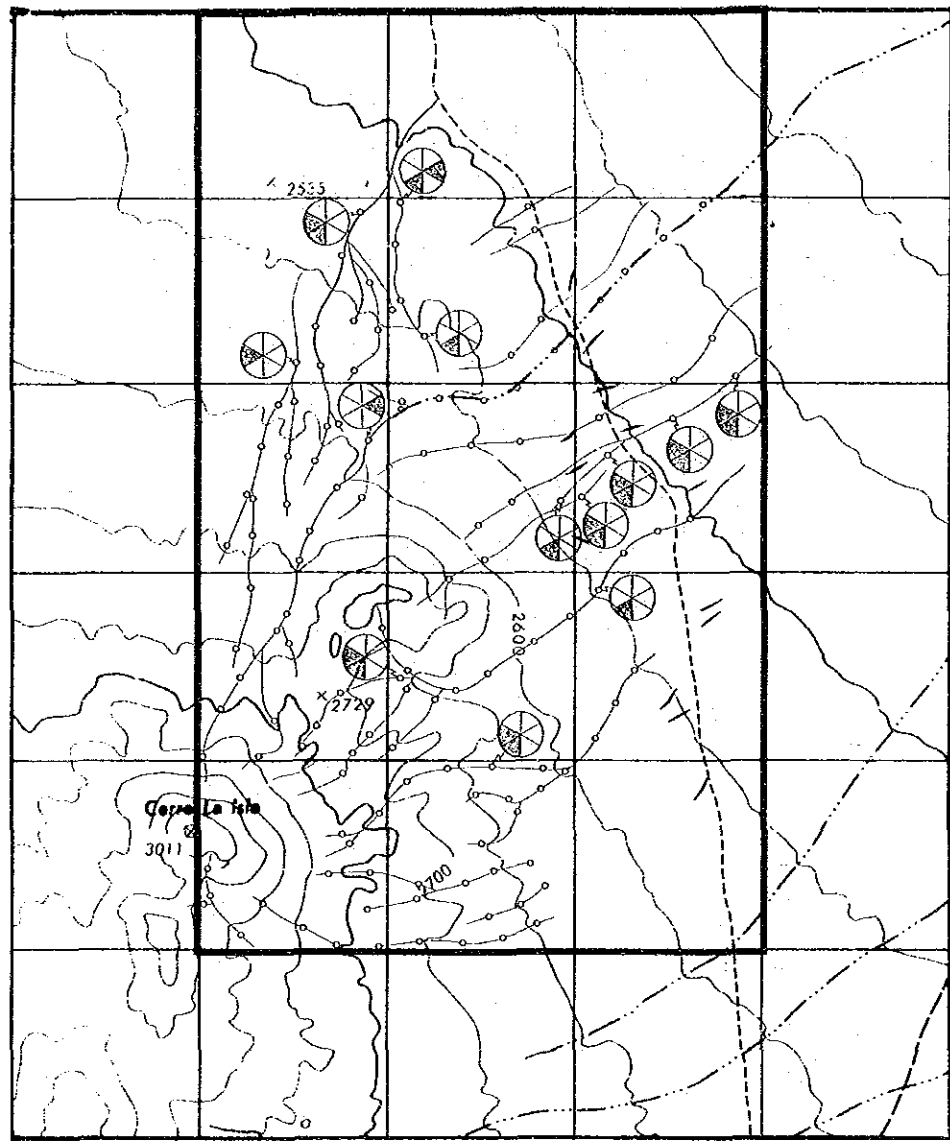


Panchita

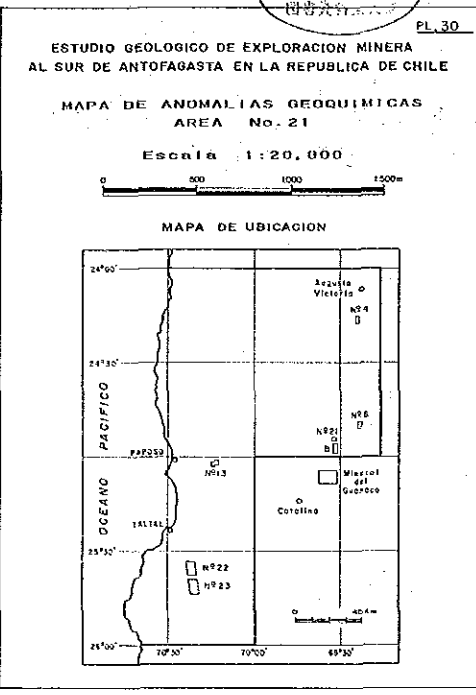




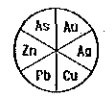
- LEYENDA
- Veto
  - Muestra de rodado de cuarzo
  - Sector de rodados de cuarzo
  - Pot Au Ag Cu  
(cm, ppb, ppm, ppm)



PL. 30  
16206



LEYENDA



Anomalia

Ubicacion de muestra

Veta

10200

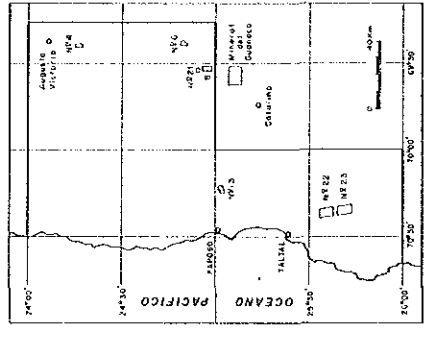
PL-31

ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

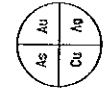
MAPA DE ANOMALIAS GEOQUIMICAS  
AREA No. 4

Escala 1:5.000

MAPA DE UBICACION



LEYENDA



Anomalia

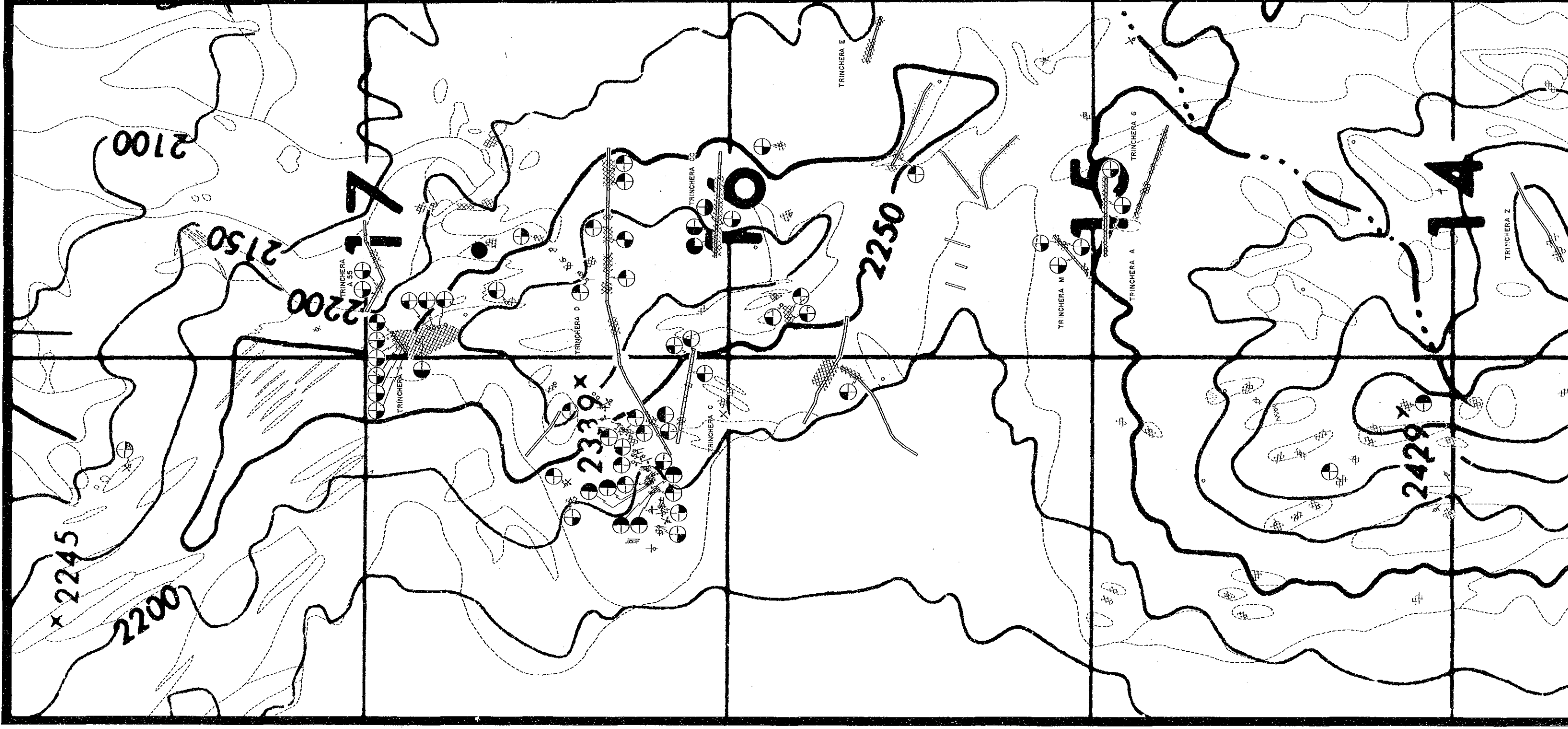
Ubicacion de muestra

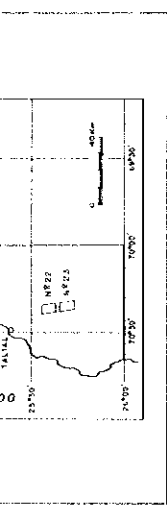
Vetilillas tipo "network"

Vetililla de rumbo preferencial

Impregnacion de lianilita

Trinchera





LEYENDA



Amoalita

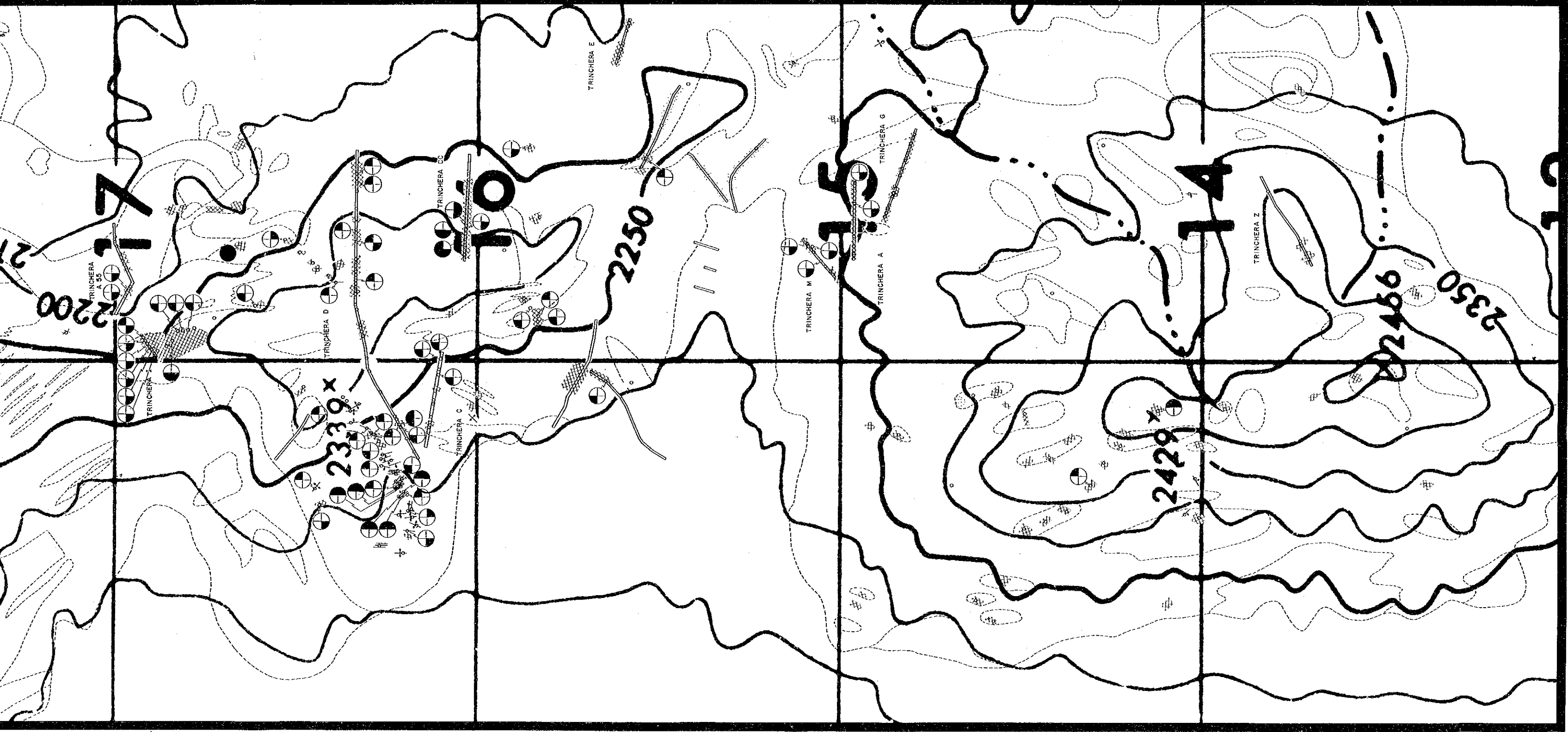
Ubicacion de muestra

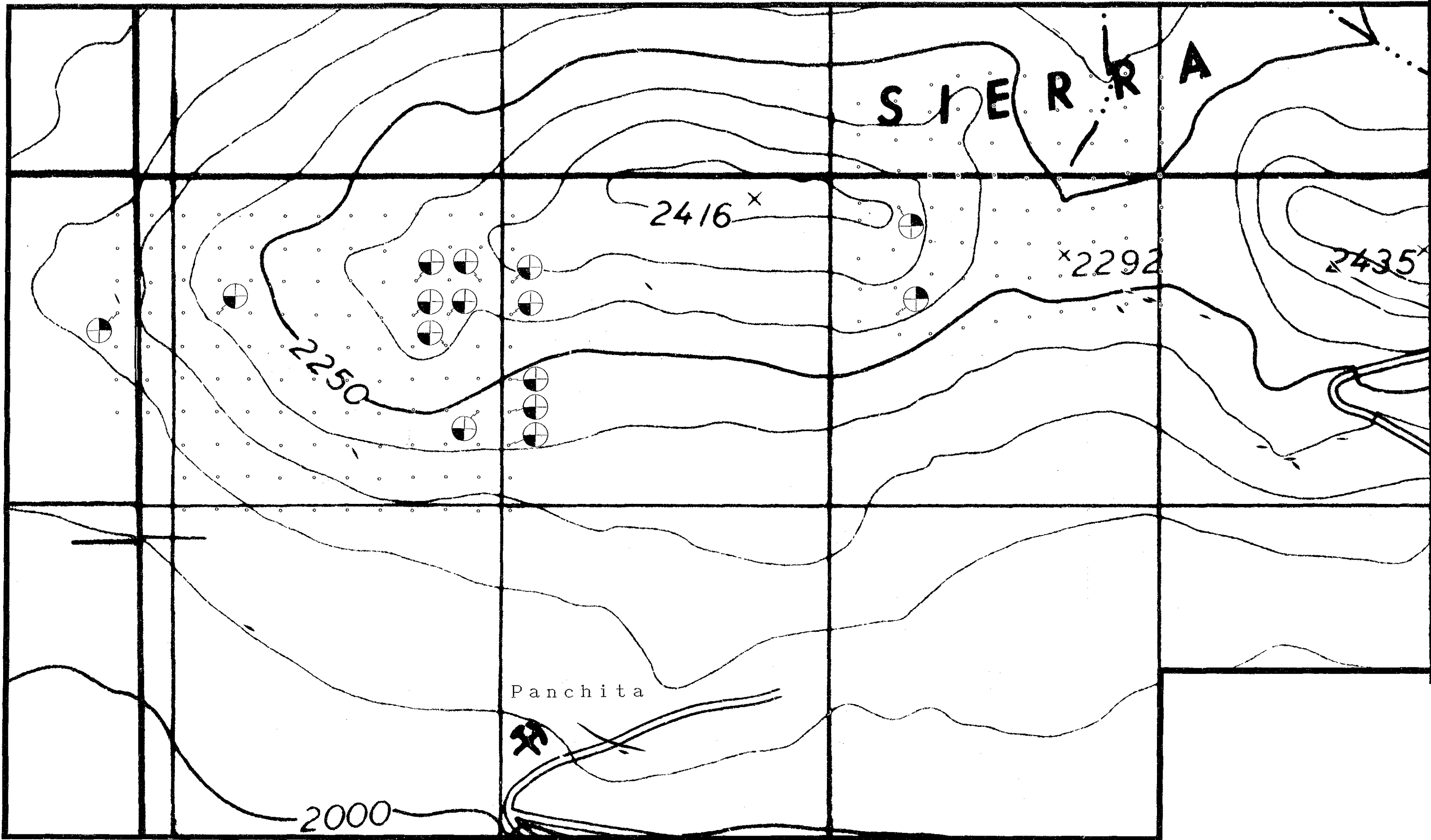
Vetillas tipo "network"

Vetilla de rumbo preferencial

Impregnacion de limonita

Trinchera





SIERRA A

2416<sup>x</sup>

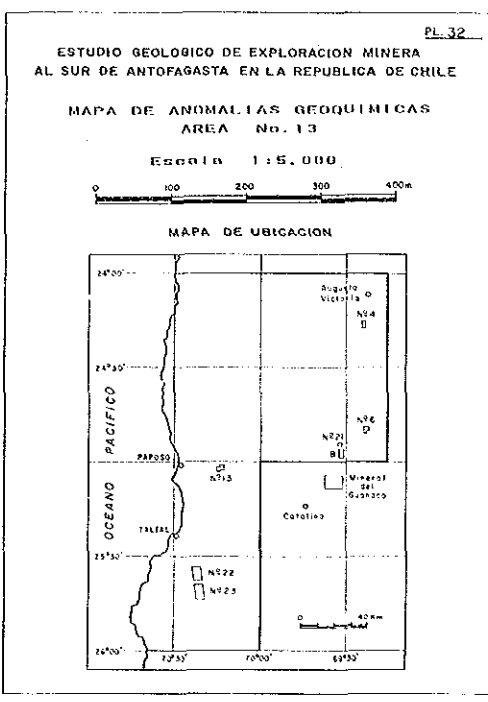
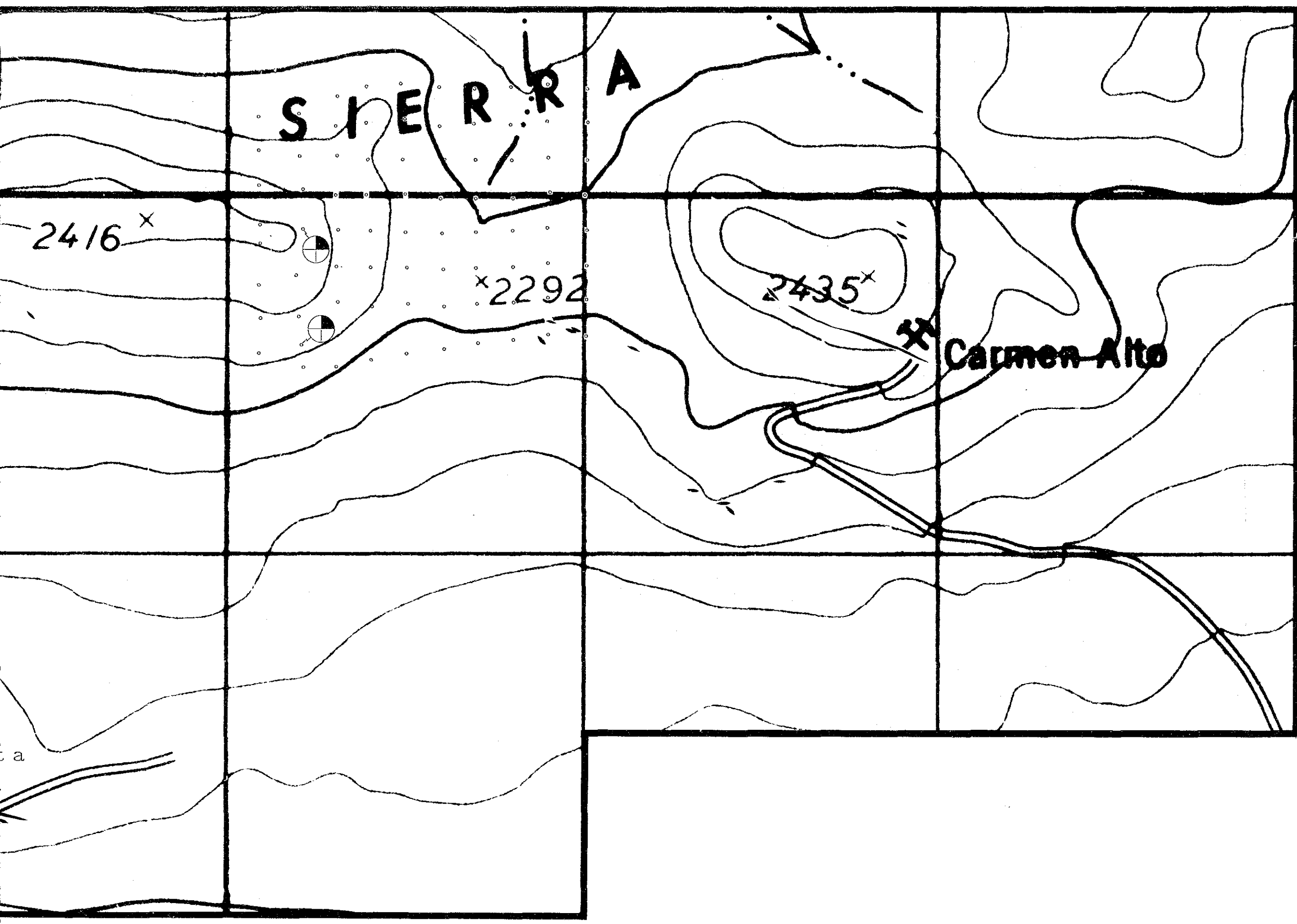
x2292

2435<sup>x</sup>

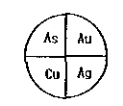
2250

2000

Panchita



LEYENDA



Anomalia

Ubicacion de muestra

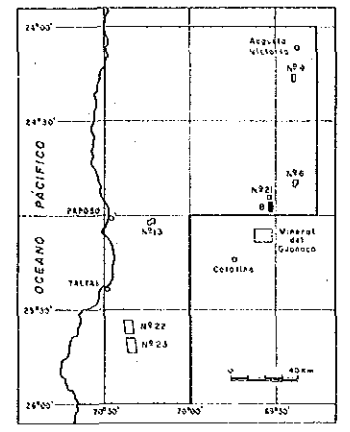
Veta

ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE  
MAPA GEOLOGICO Y PLANO DE  
UBICACION DE SONDAJE

AREA B

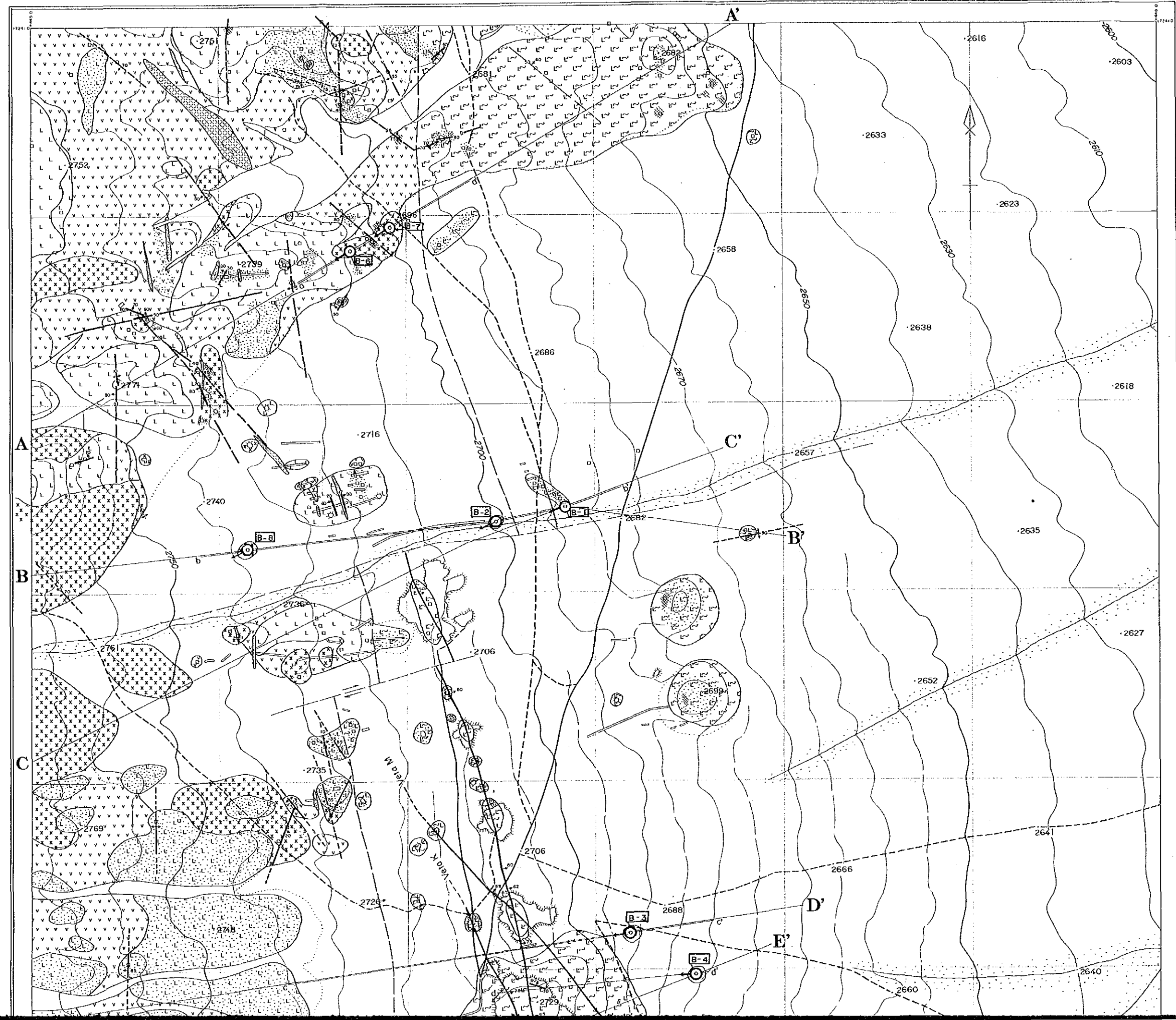
ESCALA 1:10,000

MAPA DE UBICACION

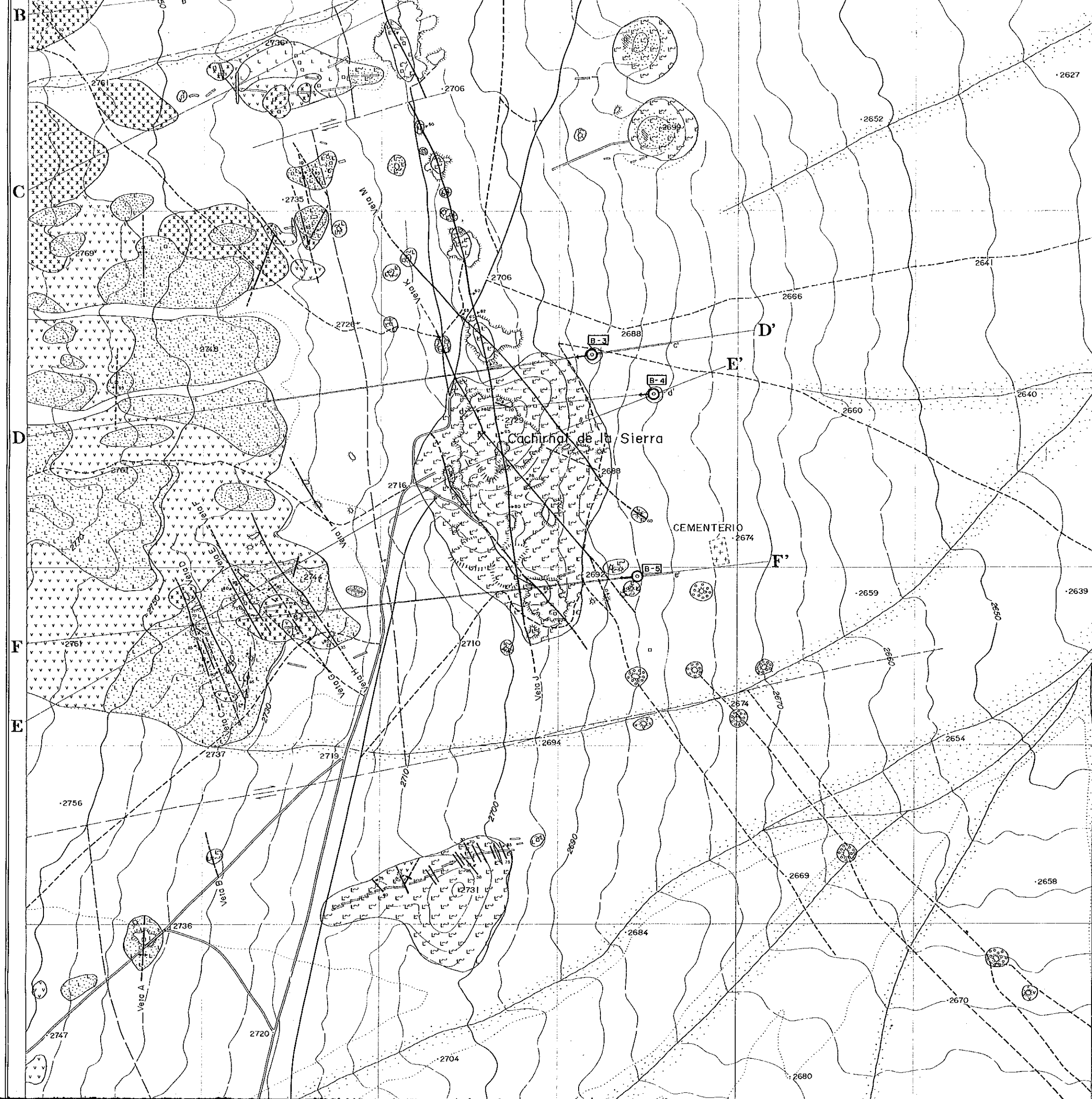


LEYENDA

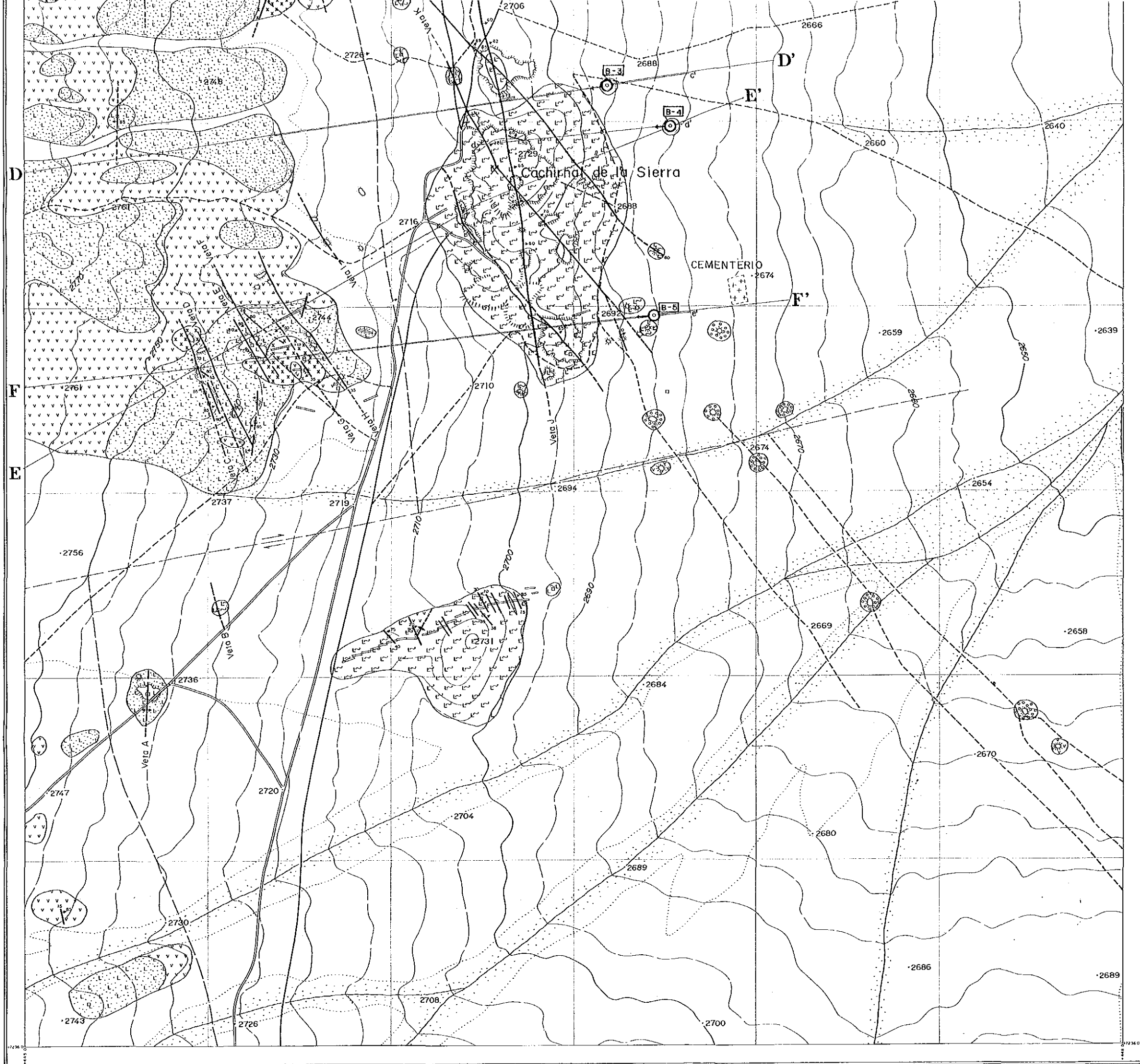
- Depósitos coluviales (arenos y gravas)
- Sedimentos aluviales (conglomerado)
- Diques riolíticos
- Tobs soldados dacíticos, de lapilli dacítico y de pomaces dacíticos
- Lavas dacíticas
- Areniscas tobáceas rojizas, conglomerados tobáceos rojizos, tobas de lapilli dacíticos rojizos, y brechas tobáceas dacíticas rojizas
- Dioritas
- Andesitas verdes oscuras
- Silicificación y argilización medias
- Vetas
- Stockworks de cuarzo
- Fallas observadas
- Fallas inferidas
- Piques
- Trincheras
- Sonda





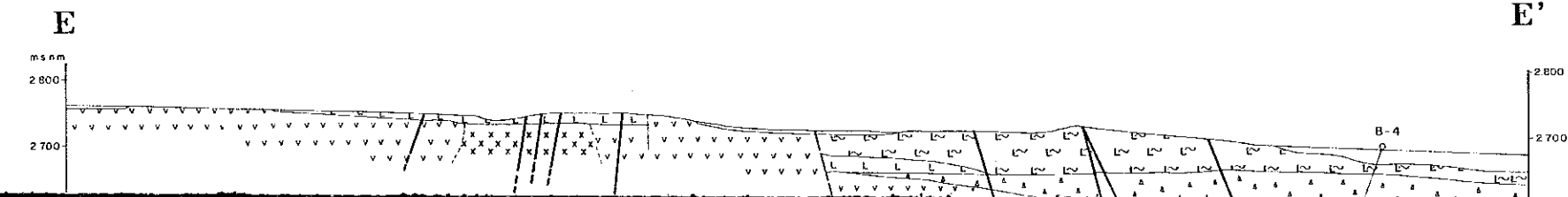
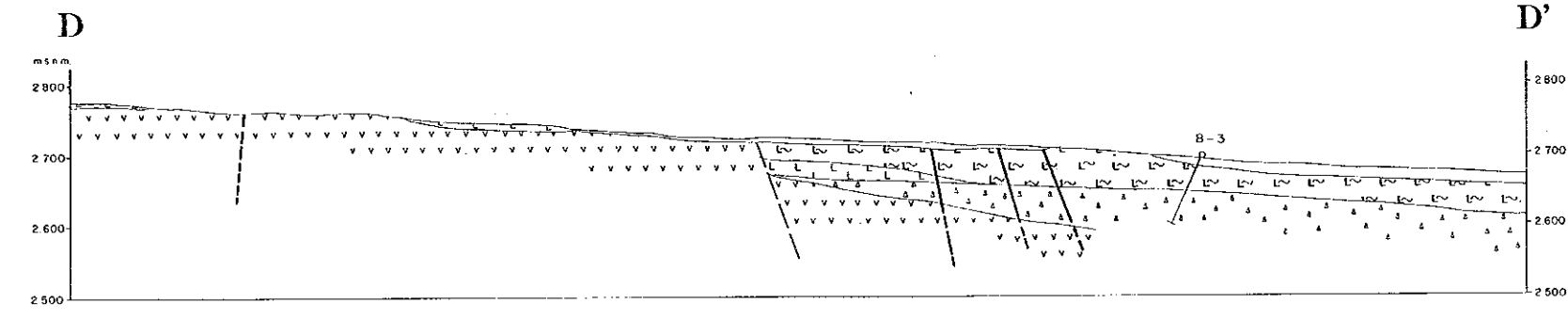
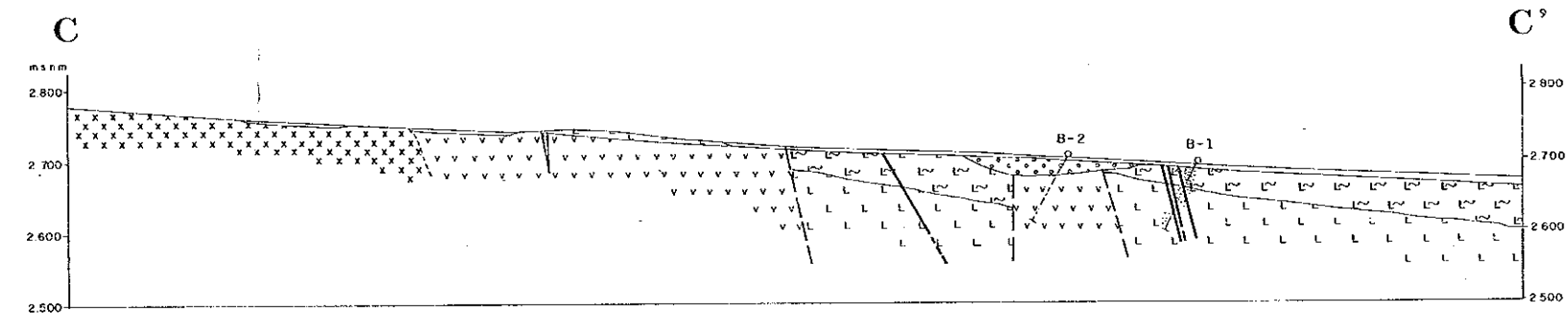
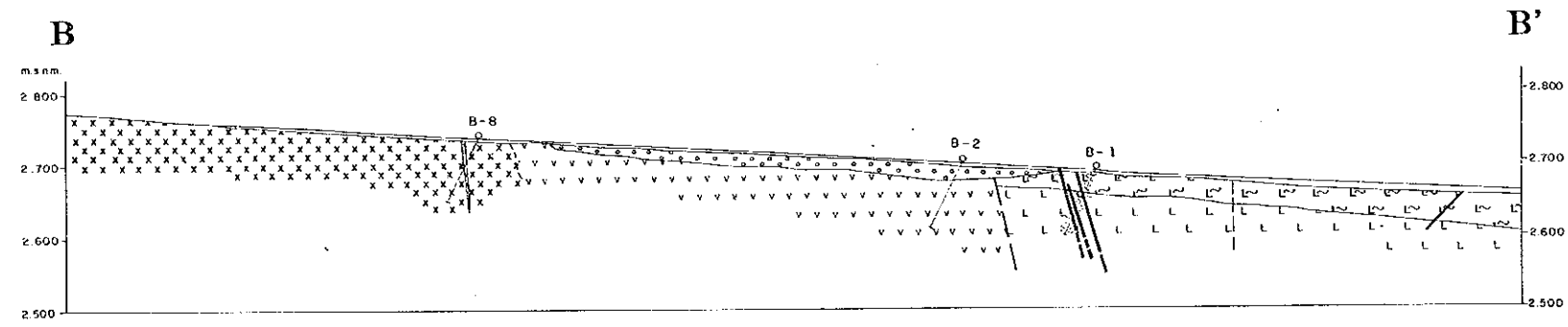
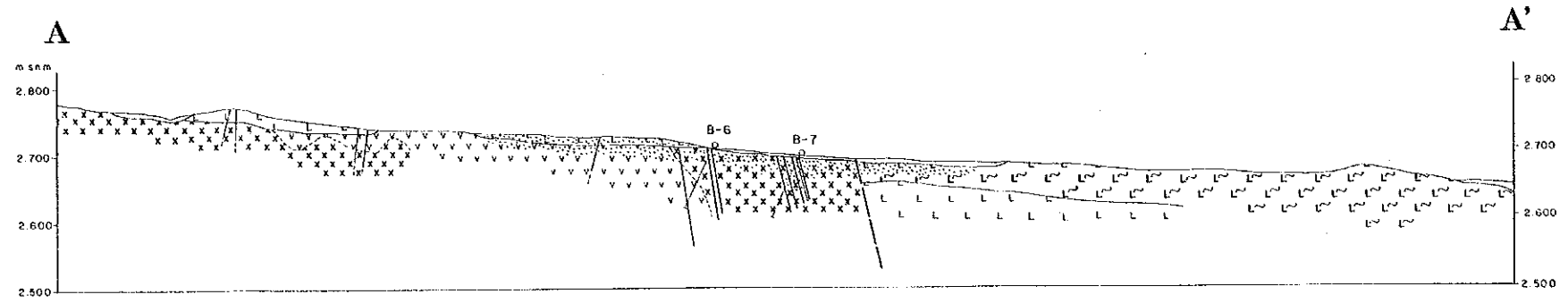
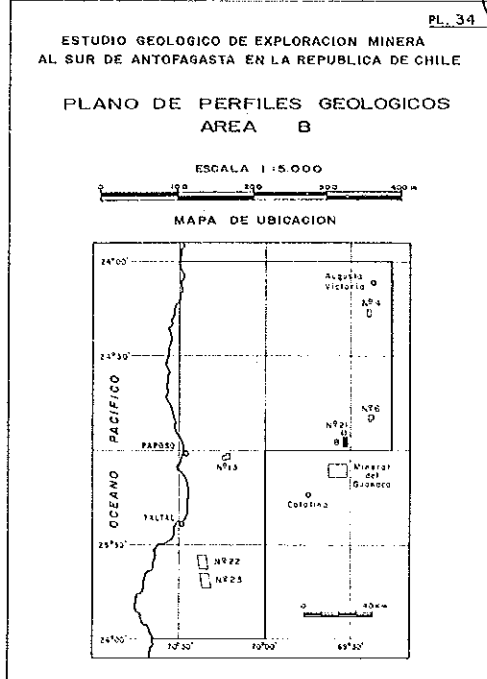


- Andesitas verdes oscuros
- Silicificación y argilización medias
- Veios
- Stockworks de cuarzo
- Fallas observadas
- Fallas inferidas
- Piques
- Trincheros
- Sondaje

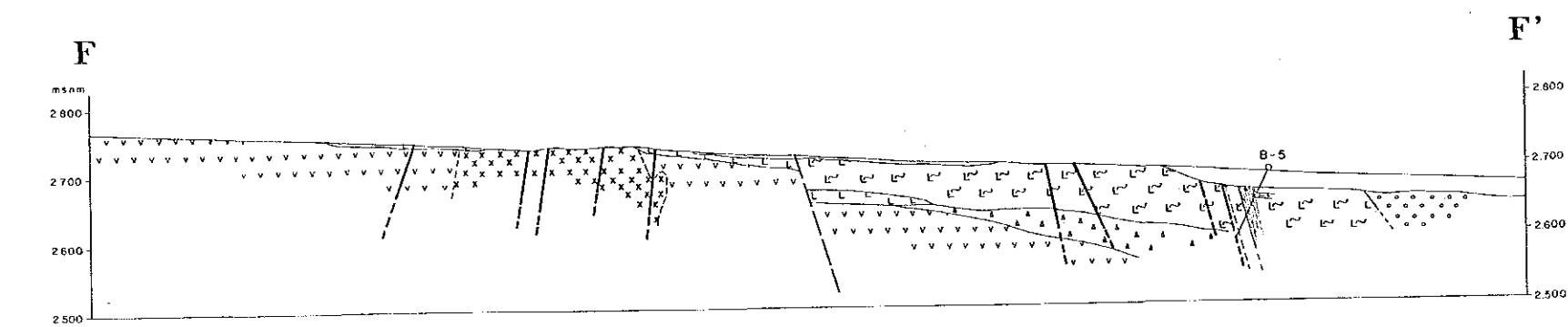
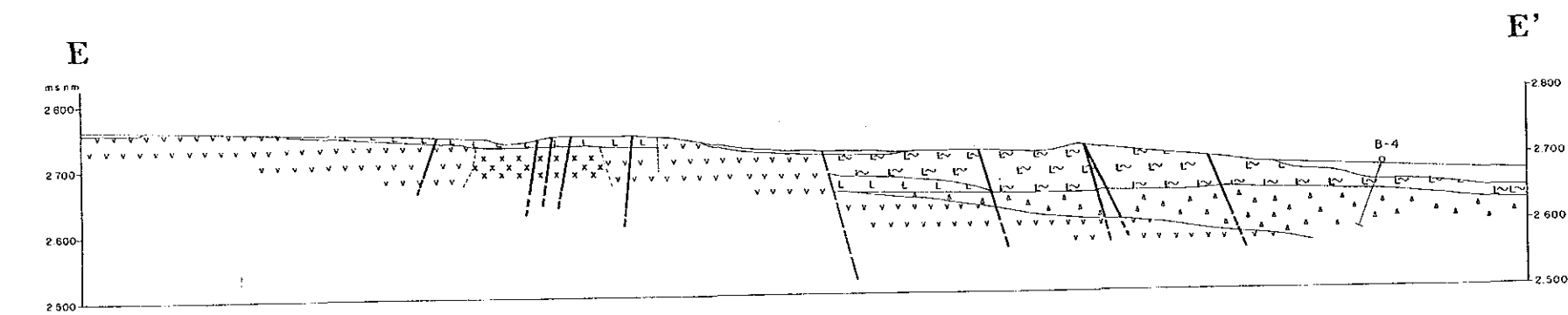
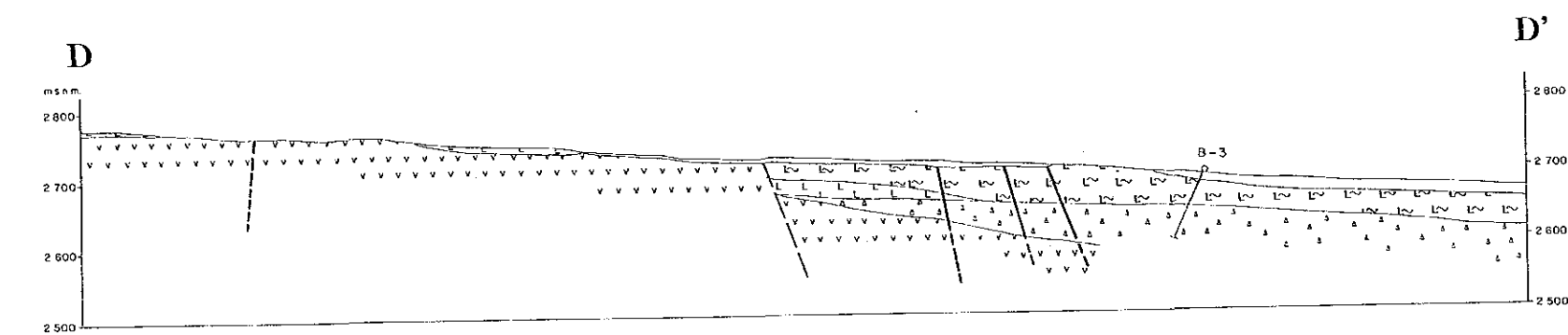
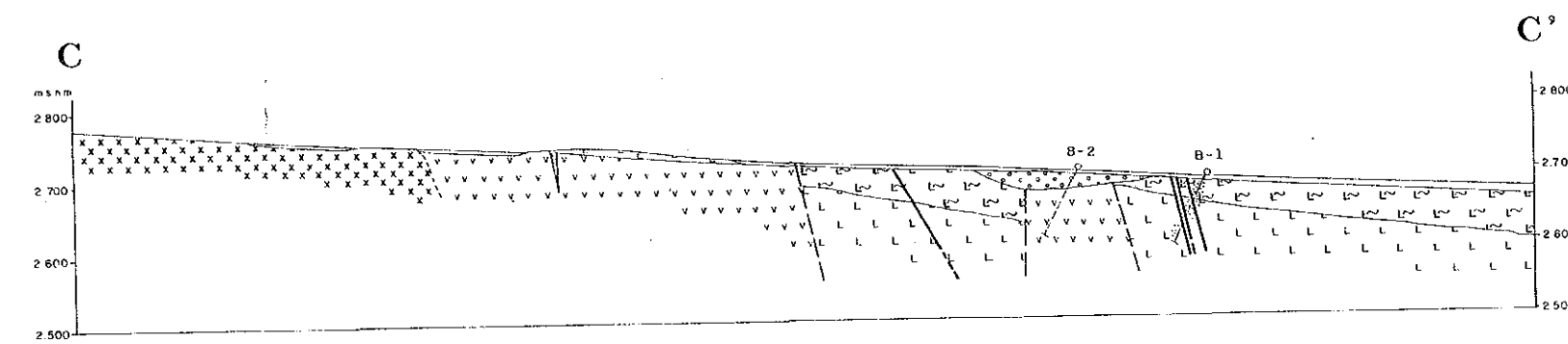
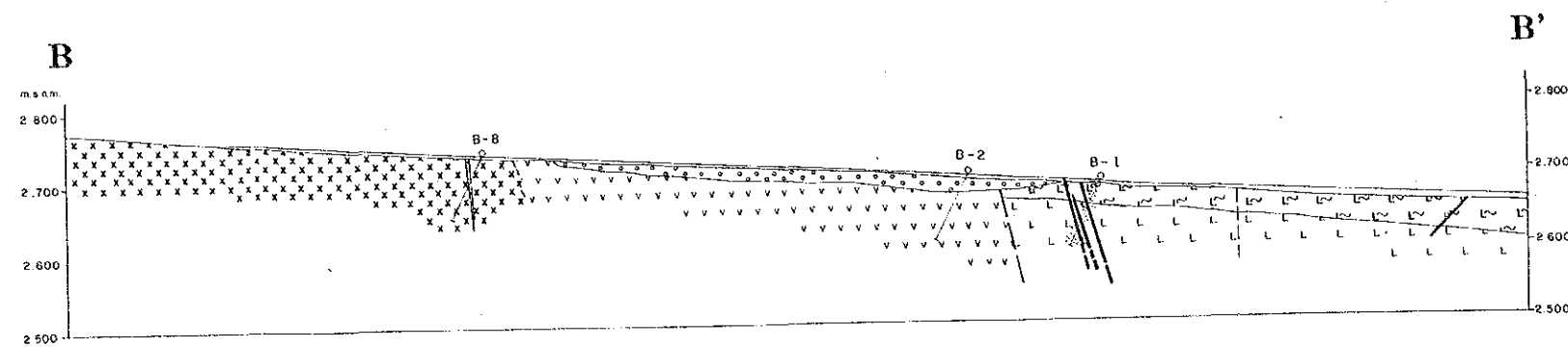
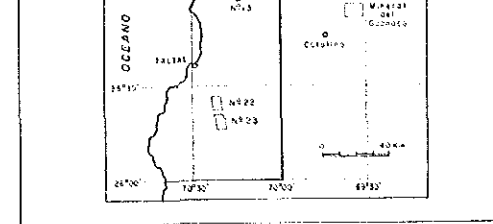


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16206  
同德地质研究所

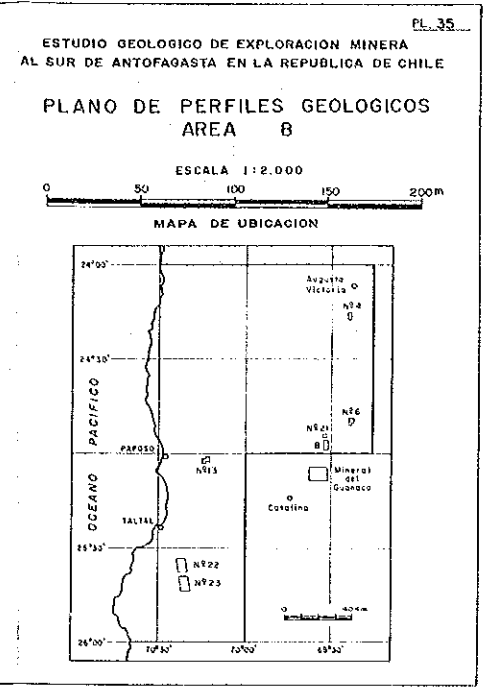


- LEYENDA**
- Depósitos aluviales (arenas y gravas)
  - Sedimentos aluviales (conglomerado)
  - Diques andesíticos
  - Tobs soldados dacíticos, de lapilli dacítico y de brechas dacíticas
  - Lavas dacíticas
  - Areniscas tobáceas rojizas, conglomerados tobáceos rojizos, tobas de lapilli dacíticos rojizos, y brechas tobáceas dacíticas rojizas
  - Dioritas
  - Andesitas verdes oscuras
  - Silicificación y argilización medias
  - Vetas
  - Stockworks de cuarzo
  - Zona de cizalla
  - Fallas observadas
  - Fallas inferidas
  - Piques
  - Trincheros
  - Sondaje



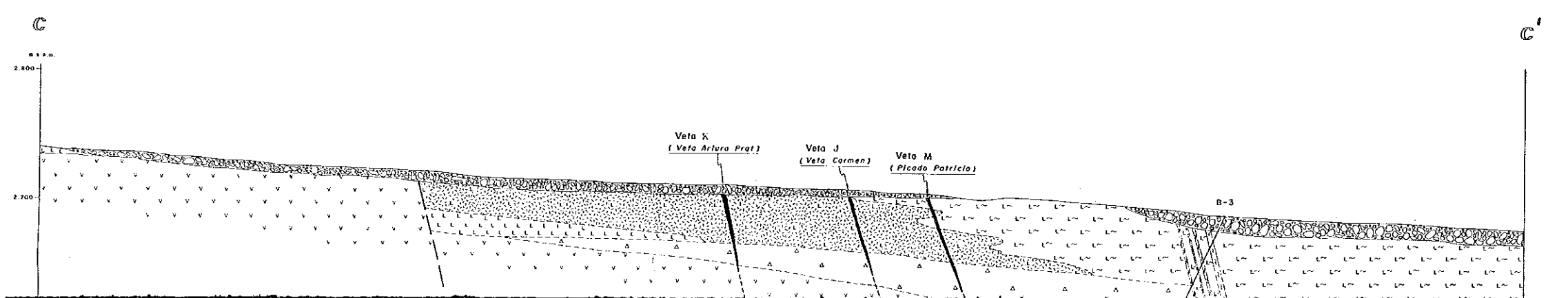
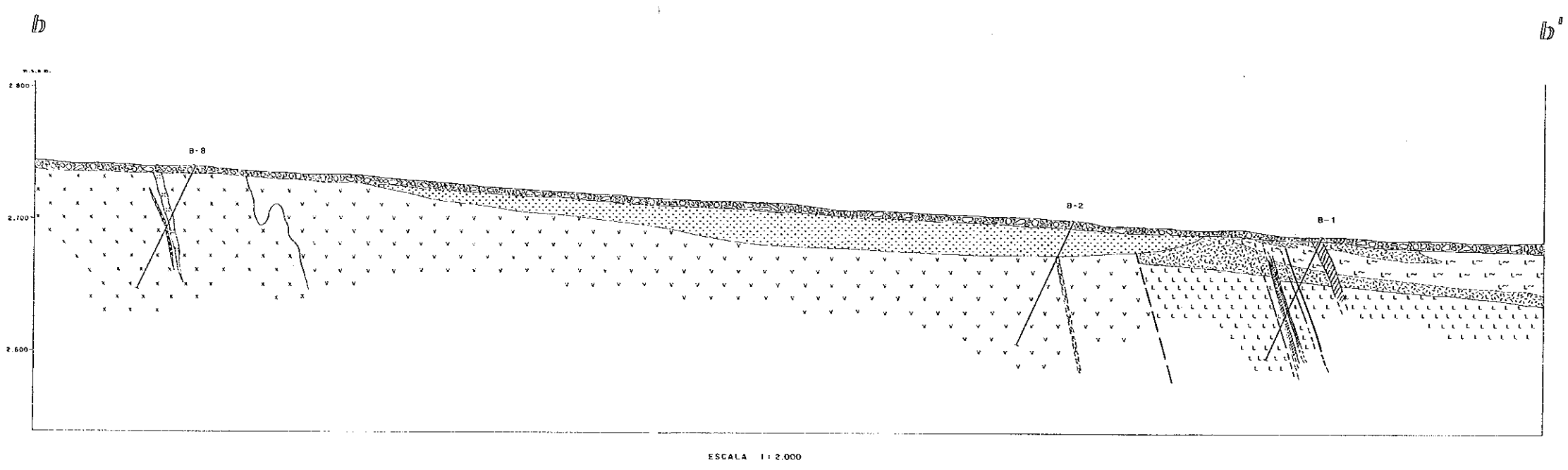
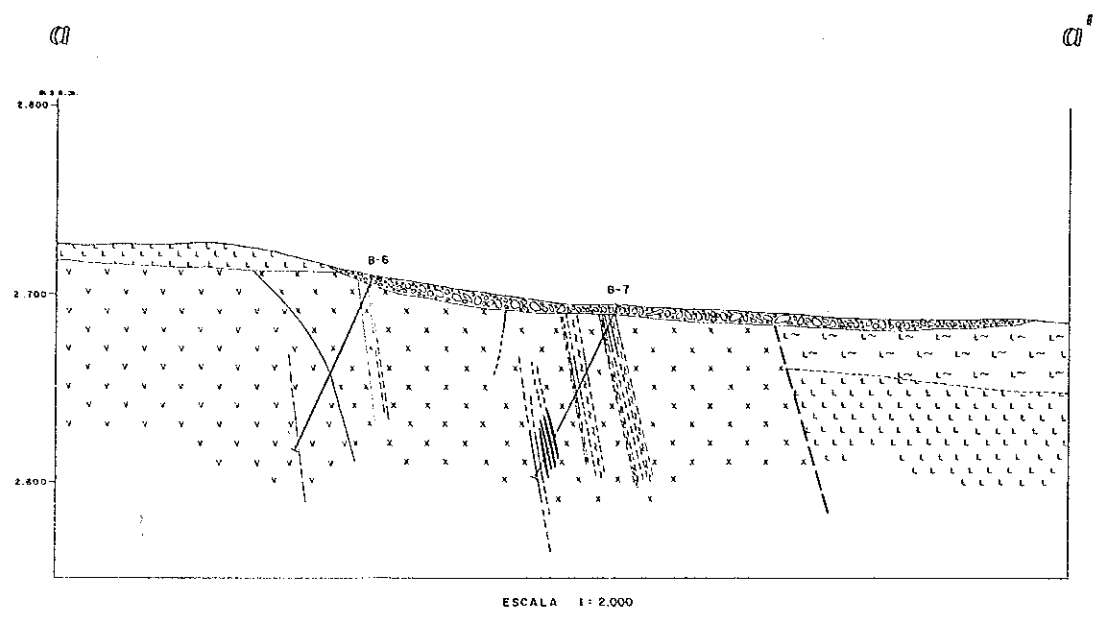
LEYENDA

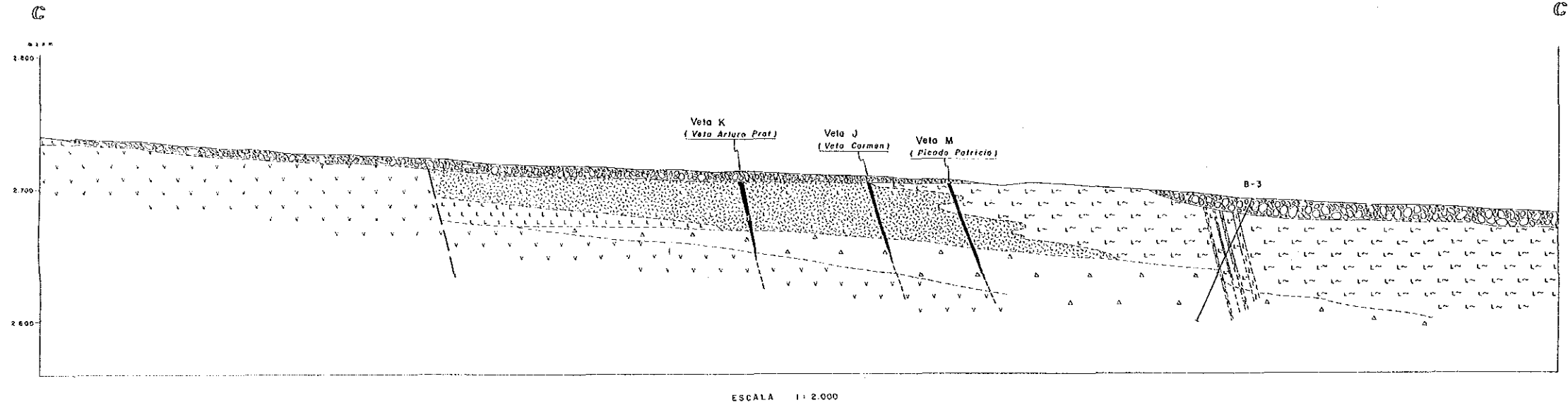
- Depósitos coluviales (arenas y gravas)
- Sedimentos aluviales (conglomerado)
- Diques andesíticos
- Tobs soldadas dacíticas, de lapilli dacítico y de pumeces dacíticas
- Levas dacíticas
- Areniscas tobáceas rojizas, conglomerados tobáceos rojizos, tobas de lapilli dacíticos rojizos, y brechas tobáceas dacíticas rojizas
- Dioritas
- Andesitas verdes oscuras
- Silificación y argilización medias
- Vetas
- Stockworks de cuarzo
- Zona de cizalle
- Fallas observadas
- Fallas inferidos
- Piques
- Trincheras
- Sondaje



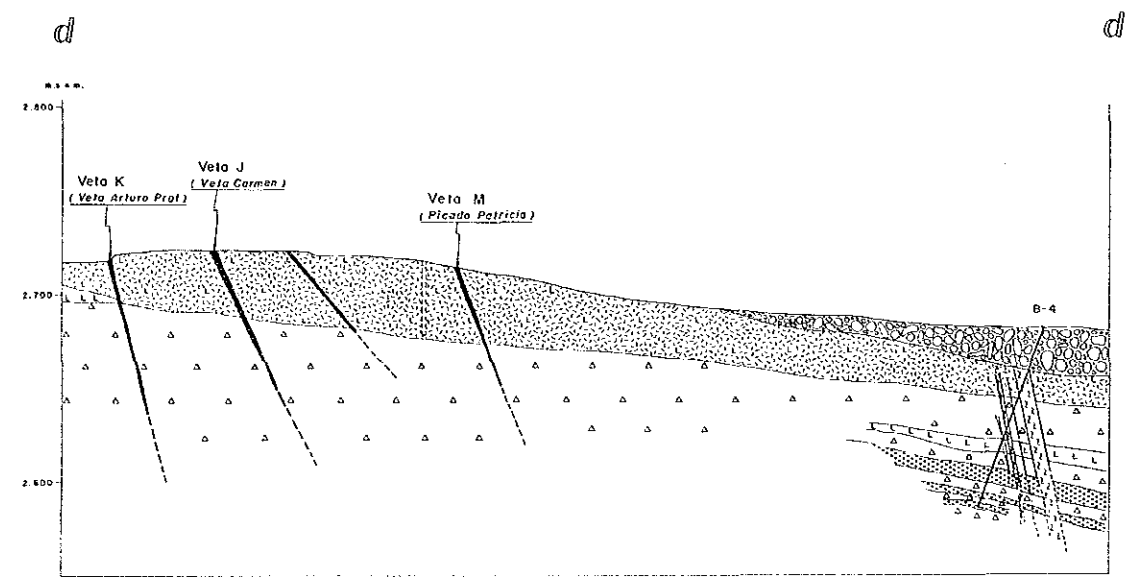
LEYENDA

- Depositos coluviales (arenas y gravas)
- Sedimentos aluviales (conglomerado)
- Tobas soldadas daciticas
- Tobas de pomices daciticos
- Lavas daciticas
- Rocas piroclasticas daciticas de color rojo
- Areniscas y conglomerados tobaceos
- Andositas verdes oscuros
- Dioritas
- Veta
- Veta tipo "network"
- Falla
- Zona de cizalle
- Zona de fractura
- Sondaje

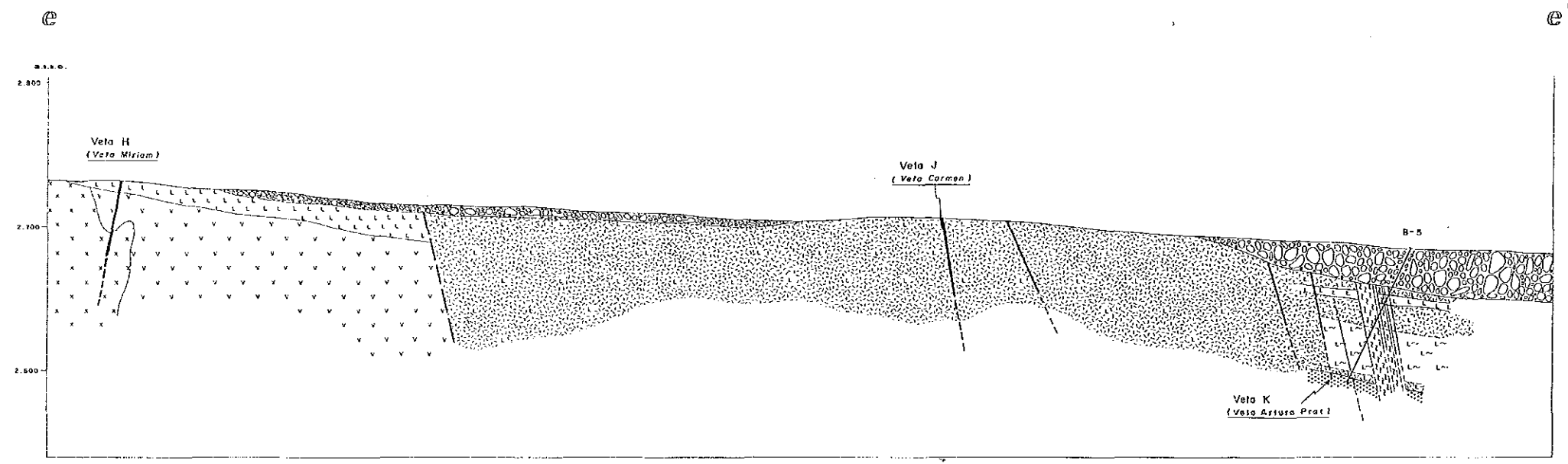




ESCALA 1:2.000



ESCALA 1:2.000



ESCALA 1:2.000

