

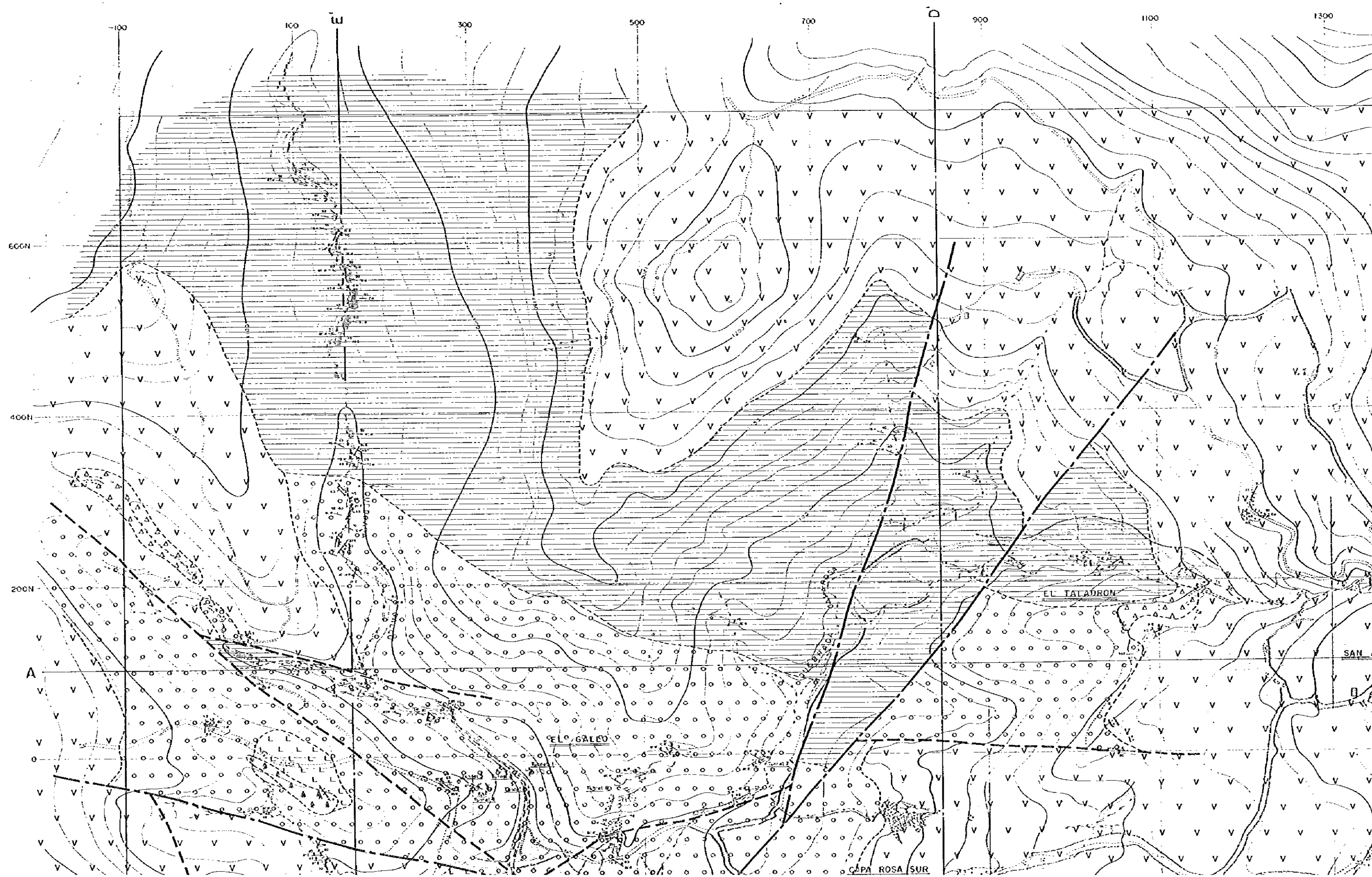
AP. 4—5 X線回折結果一覽表

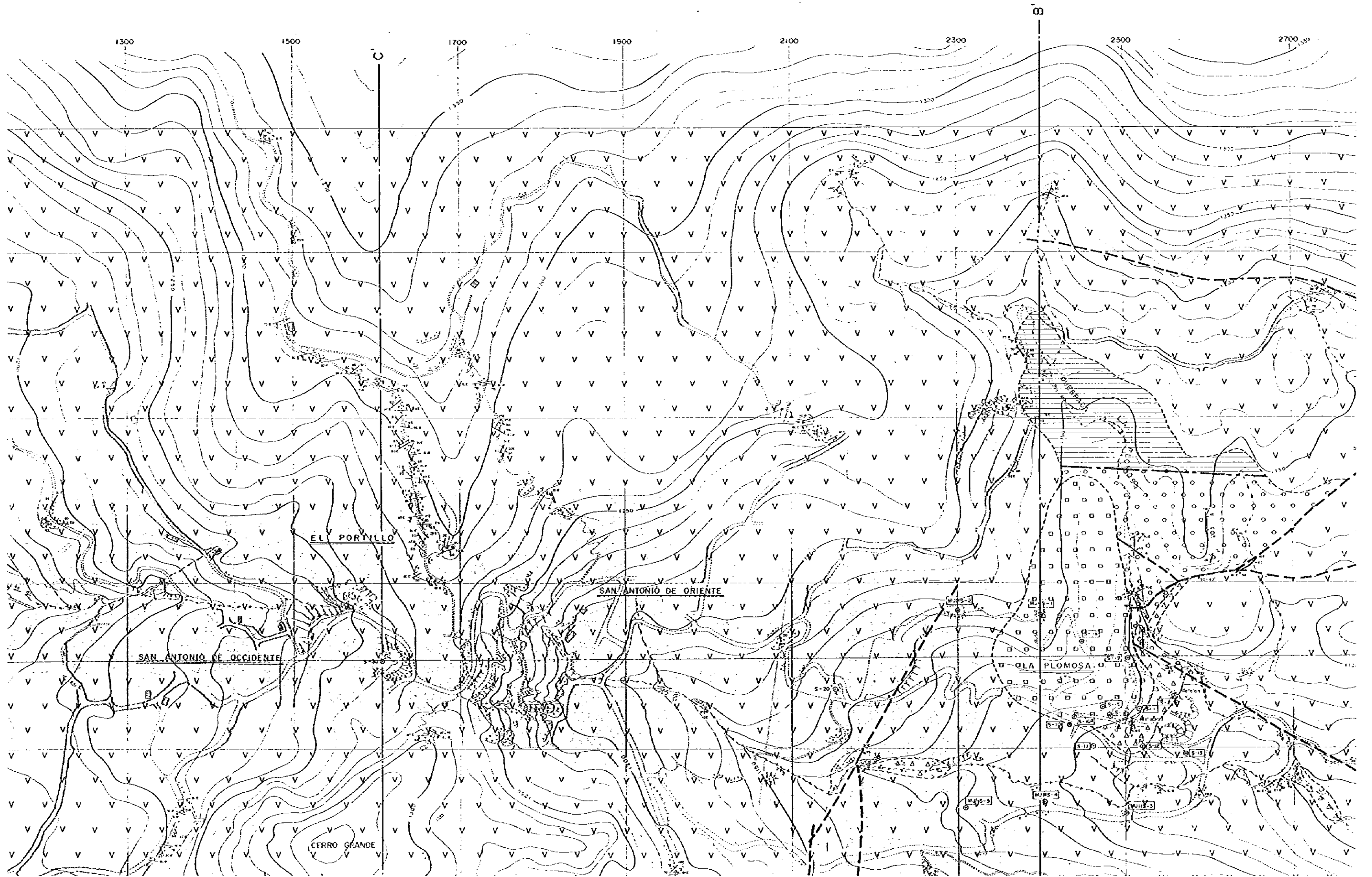


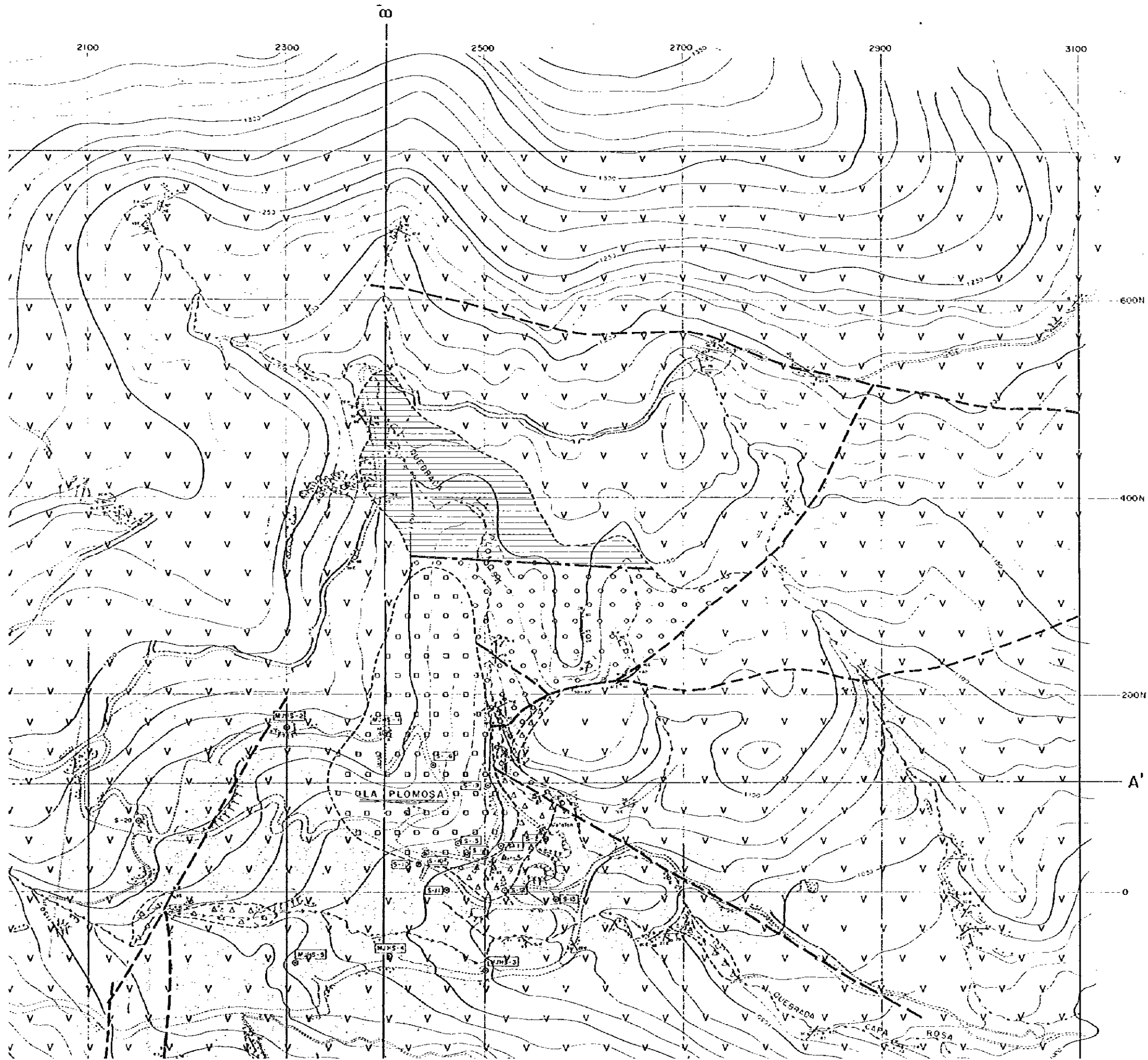
RESULTADOS DE DIFRACCION POR RAYOS X (PERFORACION)

No.	Nombre de pozo	Prof. de muestra	Mineral Tipo de roca	Mineral																
				cuarzo	smectita	kaolinita	sericita	clorita	"mixed layered" de sericita y smectita	plagioclasa	feldespato potasico	calcita	dolomita	rodocrosita	siderita	pirita	marcasita	hematita		
1	MJHS-1	34.60	Toba	⊙					Δ											
2	MJHS-1	54.30	Toba	⊙																
3	MJHS-1	75.15	Arenisca	⊙			Δ	·?	Δ											
4	MJHS-1	94.90	Conglomerado	⊙			Δ	·?	Δ											
5	MJHS-1	123.00	Arenisca	⊙			·													
6	MJHS-1	148.70	Lutita	⊙			Δ													
7	MJHS-1	175.00	Conglomerado	⊙			Δ													
8	MJHS-1	200.50	Arenisca	⊙			Δ													
9	MJHS-1	226.15	Lutita	⊙			Δ	Δ												
10	MJHS-1	248.40	Caliza	Δ			·	·?												
11	MJHS-1	267.80	Lutita	⊙			Δ	·?												
12	MJHS-1	300.00	Arenisca	⊙			·													
13	MJHS-2	36.10	Toba	⊙					Δ											
14	MJHS-2	48.20	Toba	⊙					Δ											
15	MJHS-2	73.20	Arenisca	⊙			Δ	Δ	Δ											Δ
16	MJHS-2	99.80	Arenisca	⊙					Δ	○										Δ
17	MJHS-2	125.00	Arenisca	⊙			Δ	Δ		○										
18	MJHS-2	150.00	Arenisca	⊙			Δ													
19	MJHS-2	175.20	Conglomerado	⊙			Δ	Δ?	Δ											
20	MJHS-2	200.00	Conglomerado	⊙			·		·											
21	MJHS-2	225.00	Conglomerado	⊙			·		·											
22	MJHS-2	247.10	Arenisca	⊙			Δ													
23	MJHS-2	273.00	Arenisca	⊙			Δ	·												
24	MJHS-2	294.20	Arenisca	⊙			Δ													Δ
25	MJHS-3	21.40	Lutita	Δ			·													
26	MJHS-3	48.50	Lutita	⊙			Δ	Δ												
27	MJHS-3	71.30	Arenisca	⊙			·													
28	MJHS-3	89.00	Conglomerado	⊙			·													
29	MJHS-3	104.00	Arenisca	⊙			Δ	Δ	·											
30	MJHS-3	125.20	Lutita	⊙			Δ	Δ	·											
31	MJHS-3	148.80	Caliza	○			·	·	·											
32	MJHS-3	175.00	Caliza	○			·	Δ												
33	MJHS-3	200.00	Caliza	○			·													
34	MJHS-3	224.90	Caliza	Δ			·	Δ?												
35	MJHS-3	249.00	Caliza	Δ			·?													
36	MJHS-3	270.20	Lutita	⊙			Δ	·												
37	MJHS-3	300.00	Arenisca	⊙			·													
38	MJHS-4	24.90	Lutita	○			Δ	Δ												
39	MJHS-4	50.80	Lutita	⊙			Δ	Δ												
40	MJHS-4	76.10	Caliza	○			Δ	Δ												
41	MJHS-4	101.00	Lutita	Δ			·	·												
42	MJHS-4	125.30	Caliza	Δ			·	Δ												
43	MJHS-4	150.20	Lutita	Δ			·	·												
44	MJHS-4	175.00	Lutita	○			Δ	Δ												
45	MJHS-4	202.90	Caliza	○			·	·												
46	MJHS-4	225.00	Lutita	Δ			·	·												
47	MJHS-4	249.00	Lutita	Δ			·	·												
48	MJHS-4	275.00	Lutita	⊙			Δ	Δ	·											
49	MJHS-4	281.00	Arenisca	⊙			·	·												
50	MJHS-4	298.90	Arenisca	⊙	Δ	Δ	·	·?												Δ
51	MJHS-5	22.40	Lutita	○			Δ	Δ												
52	MJHS-5	51.00	Caliza	Δ			·	Δ?												
53	MJHS-5	74.60	Lutita	Δ			·	Δ												
54	MJHS-5	93.20	Brecha de caliza	○			·	·												
55	MJHS-5	125.00	Caliza	Δ			·													
56	MJHS-5	150.00	Caliza	Δ			·													
57	MJHS-5	175.00	Caliza	·			·													
58	MJHS-5	201.50	Brecha de caliza	○			·	·												
59	MJHS-5	224.50	Lutita	Δ			Δ	Δ												
60	MJHS-5	242.20	Lutita	⊙			Δ	Δ	·											

⊙ : Abundante ○ : Medio Δ : Poco · : Escaso







PL. I

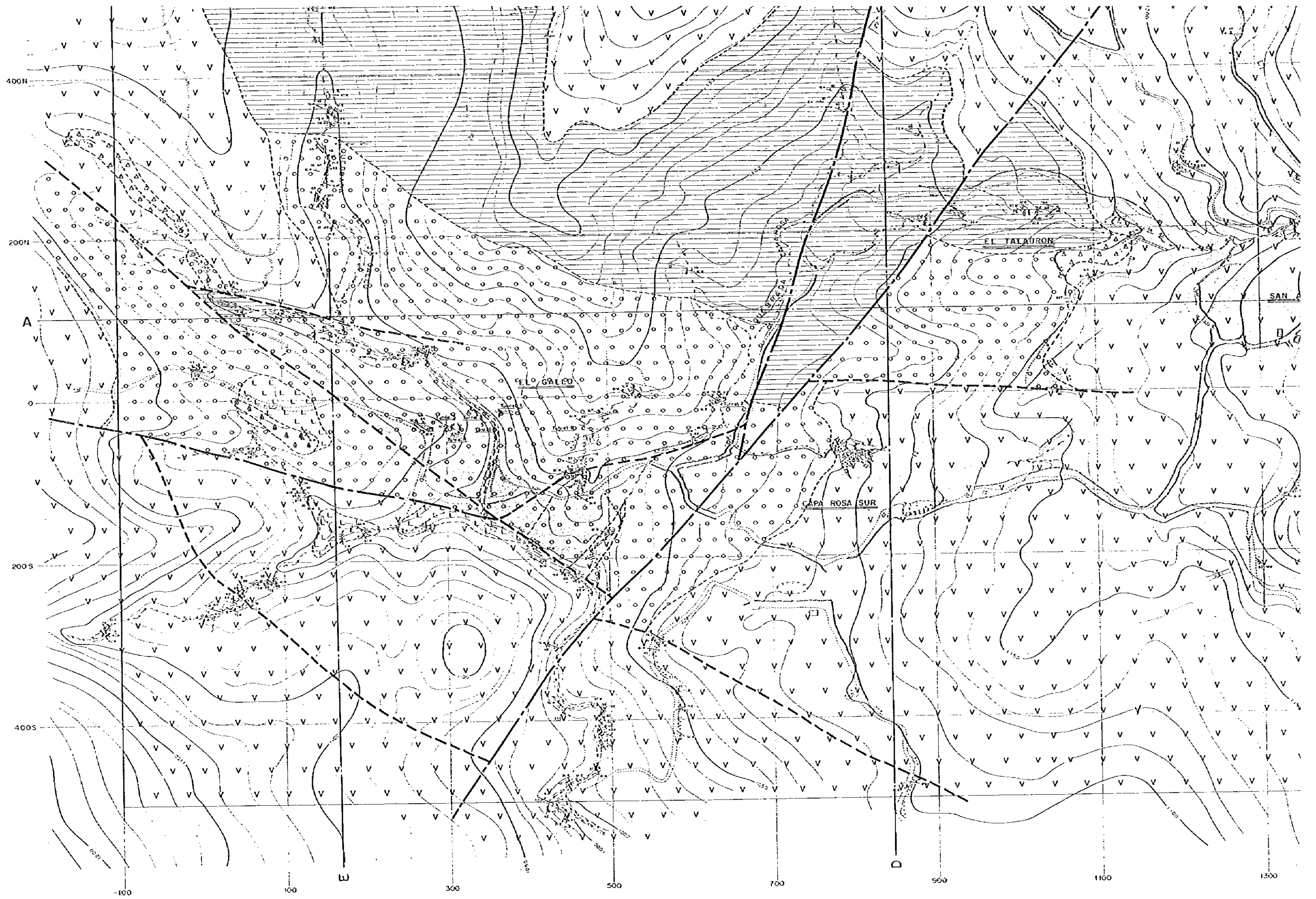
LA EXPLORACION MINERA  
EN  
EL AREA DE SAN ANTONIO  
LA REPUBLICA DE HONDURAS

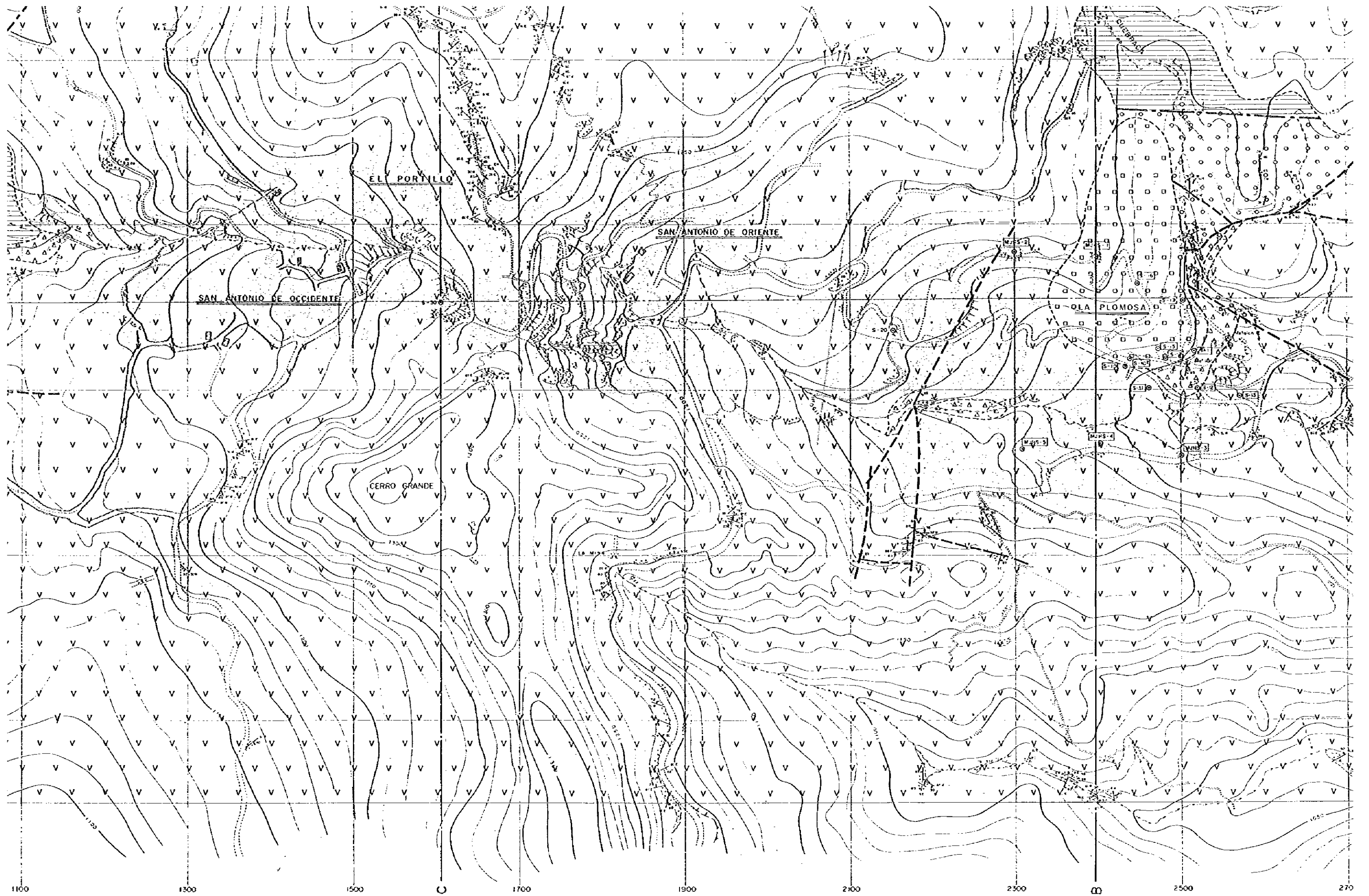
地質平面図 (1:2,000)

JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRERO 1987

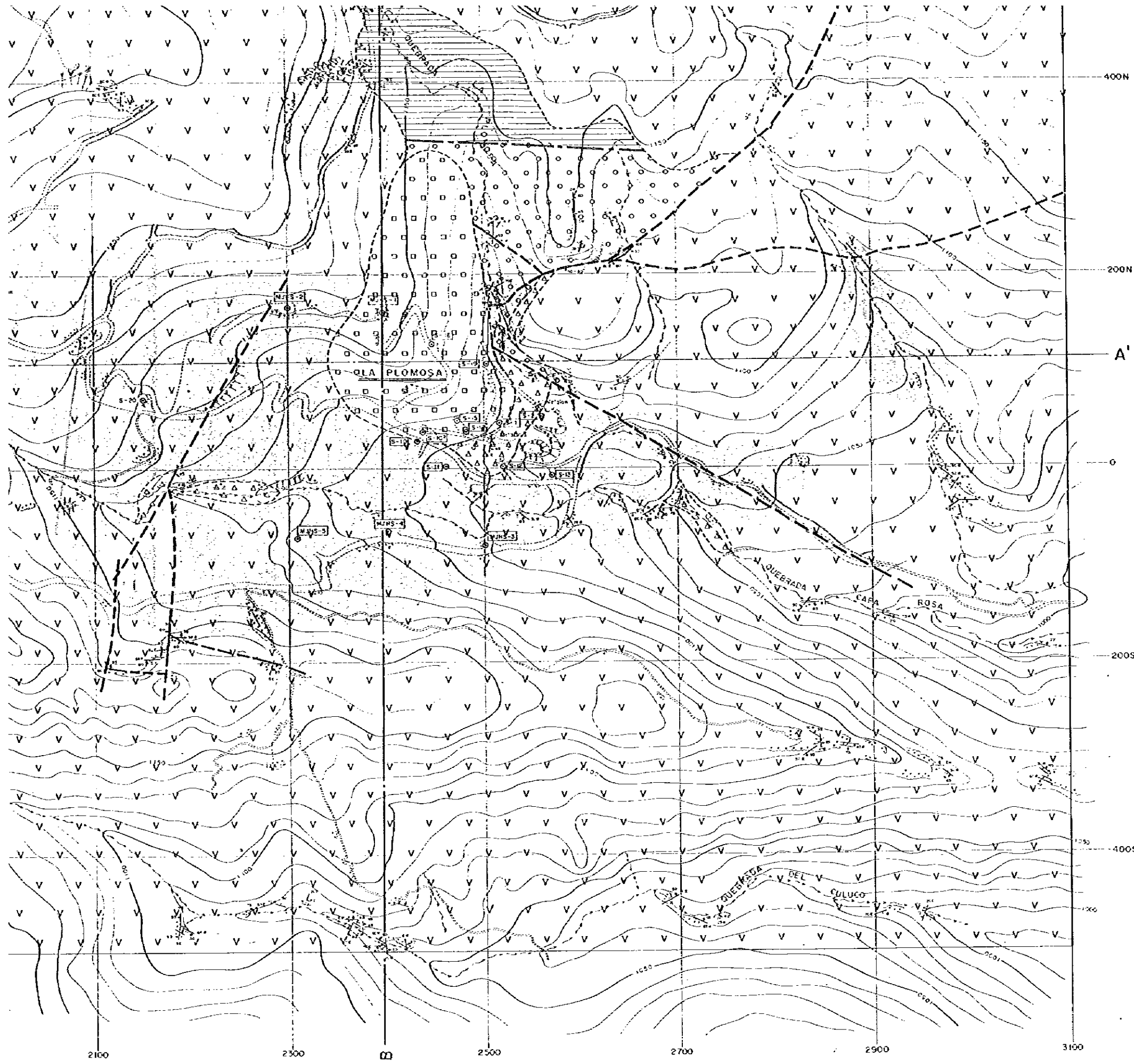
LEYENDA

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li><span style="border: 1px solid black; padding: 2px;">O O O</span> ALUVIONES</li> <li><span style="border: 1px solid black; padding: 2px;">A A</span> BASALTOS</li> <li><span style="border: 1px solid black; padding: 2px;">V V V</span> IGNEAS, TORBAS</li> <li><span style="border: 1px solid black; padding: 2px;">A A A</span> BRECHA TOZACA, DEPOSITOS FLUVIALES DERRUMBES</li> <li><span style="border: 1px solid black; padding: 2px;">L L L</span> ANDESITA</li> <li>~ DISCORDANCIA</li> </ul> | <ul style="list-style-type: none"> <li>G. PACFE M. G. JEL</li> <li>F. VATACALPA</li> </ul> | <ul style="list-style-type: none"> <li>CUATERNARIO</li> <li>TERCIARIO</li> </ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|









LEYENDA

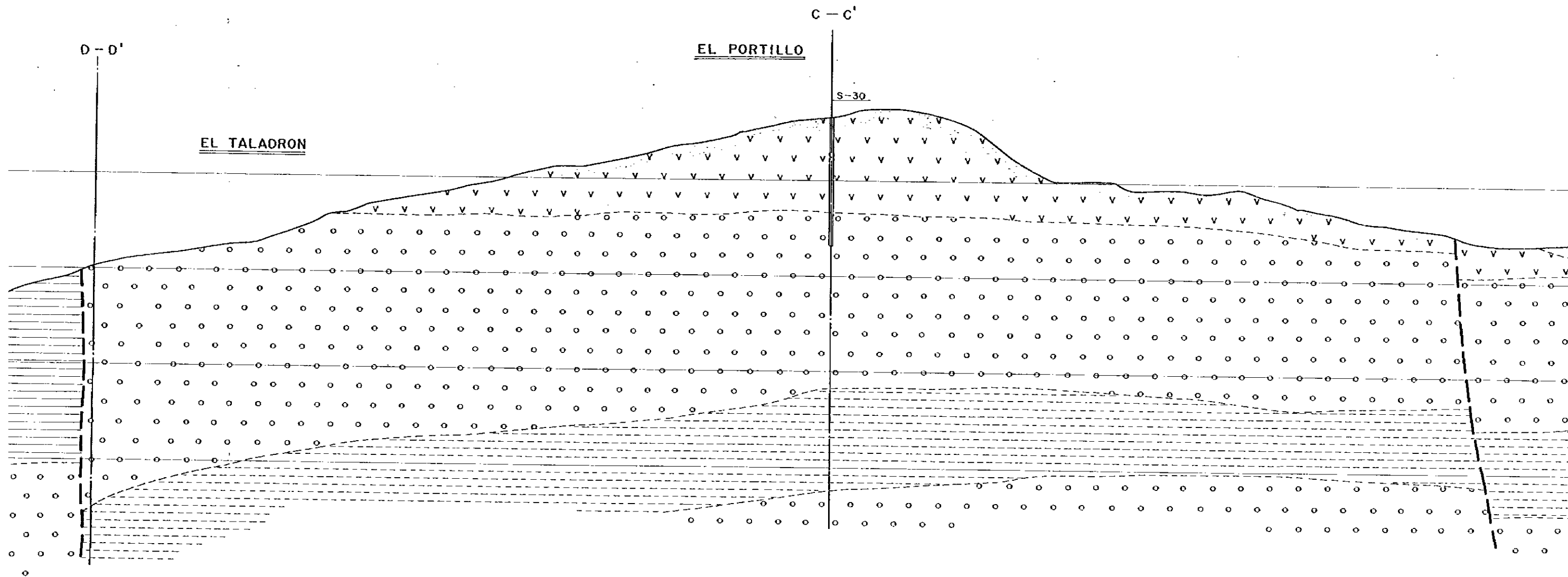
- |  |                                               |                     |             |
|--|-----------------------------------------------|---------------------|-------------|
|  | ALUVIONES                                     |                     |             |
|  | BASALTOS                                      |                     |             |
|  | IGNIMBRITAS, TOBAS                            |                     |             |
|  | BRECHA TOBACEA, DEPOSITOS FLUVIALES DERRUMBES | G. PADRE MIGUEL     | } TERCIARIO |
|  | ANDESITA                                      | F. MATAGALPA        |             |
|  | DISCORDANCIA                                  |                     |             |
|  | LUTITAS Y MARGAS                              | G. VALLE DE ANGELES | } CRETACICO |
|  | CONGLOMERADOS Y MARGAS                        |                     |             |
|  | LUTITAS CALCAREAS                             | F. ATIMA            |             |
|  | CALIZAS                                       |                     |             |
|  | ALTERACION HIDROTHERMAL                       |                     |             |
|  | ZONA MINERALIZADA                             |                     |             |
|  | FALLA                                         |                     |             |
|  | FALLA PROBABLE                                |                     |             |

2100      2300      2500      2700      2900      3100

400N  
 200N  
 A'  
 0  
 200S  
 400S  
 1000  
 1200

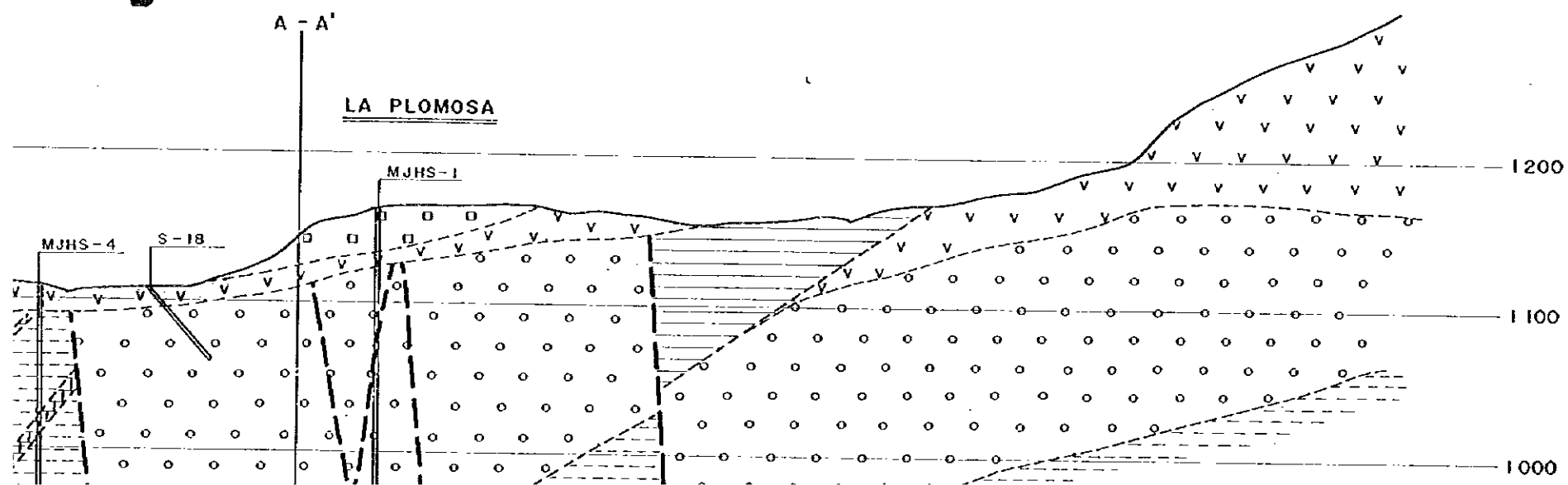


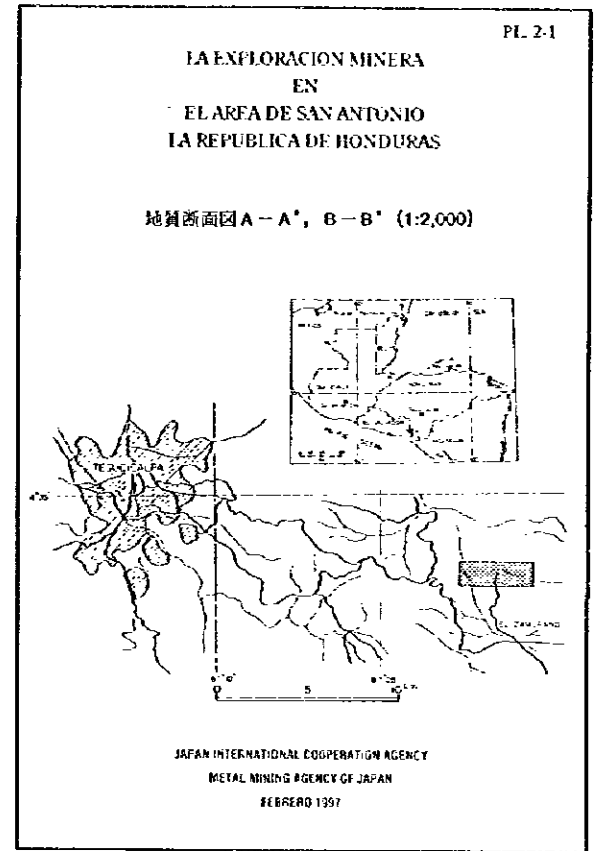
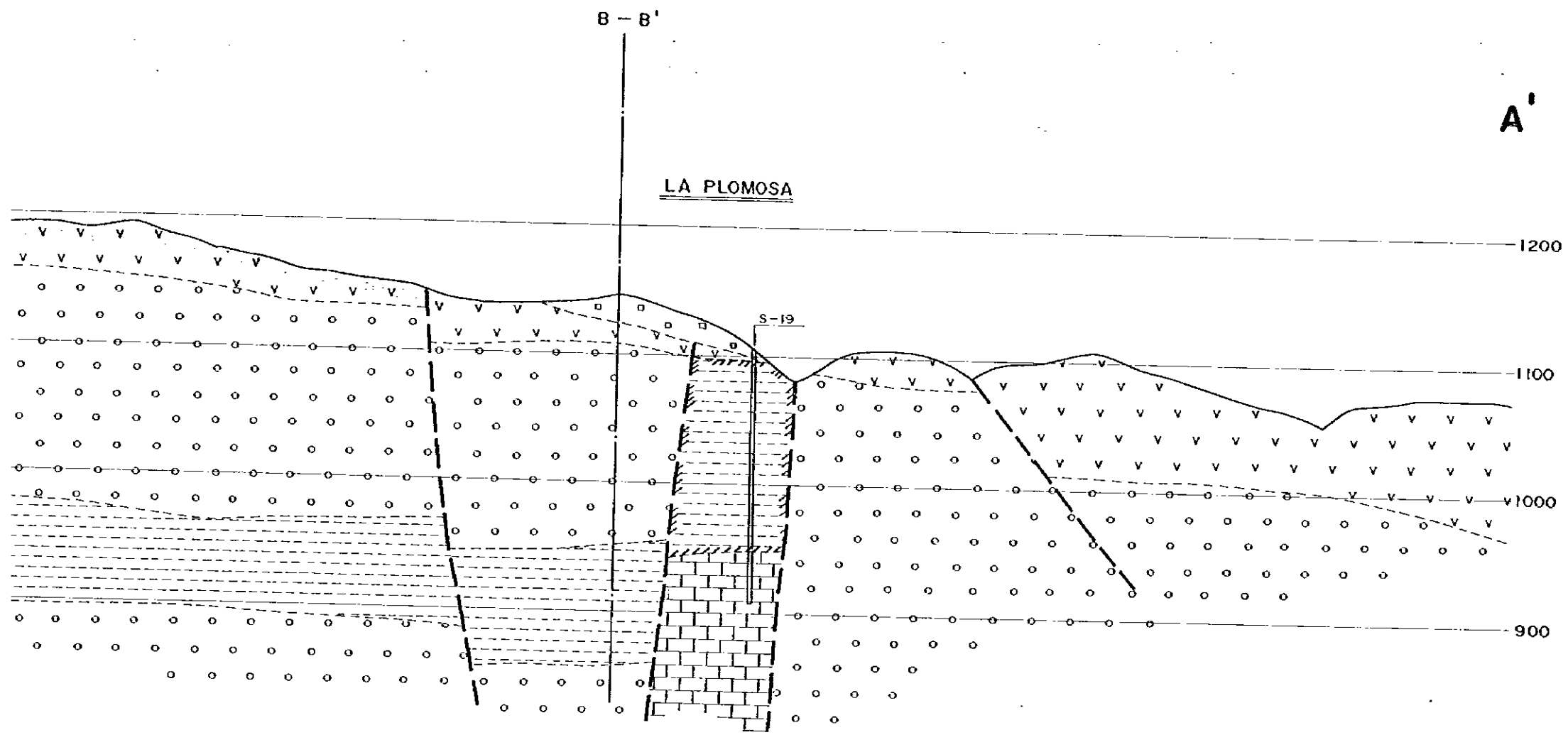
A — A'



— B'

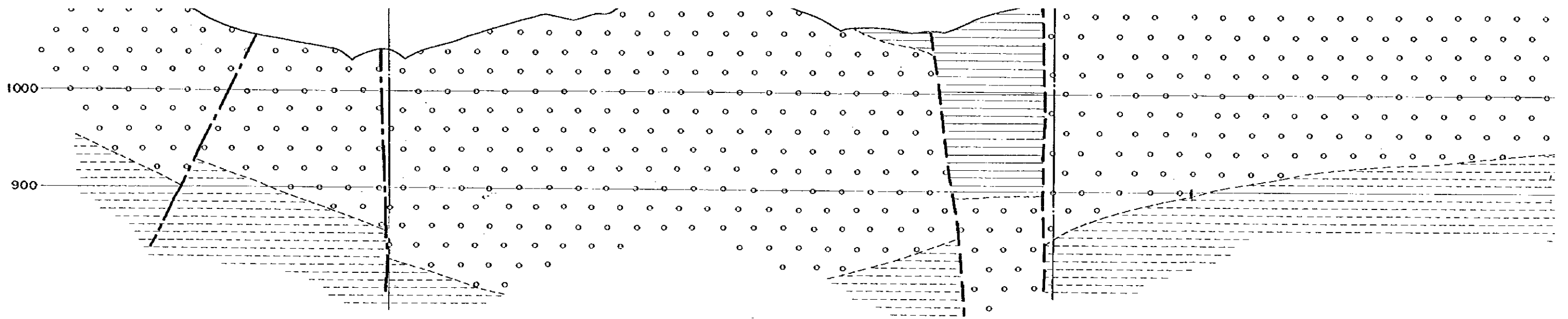
B'



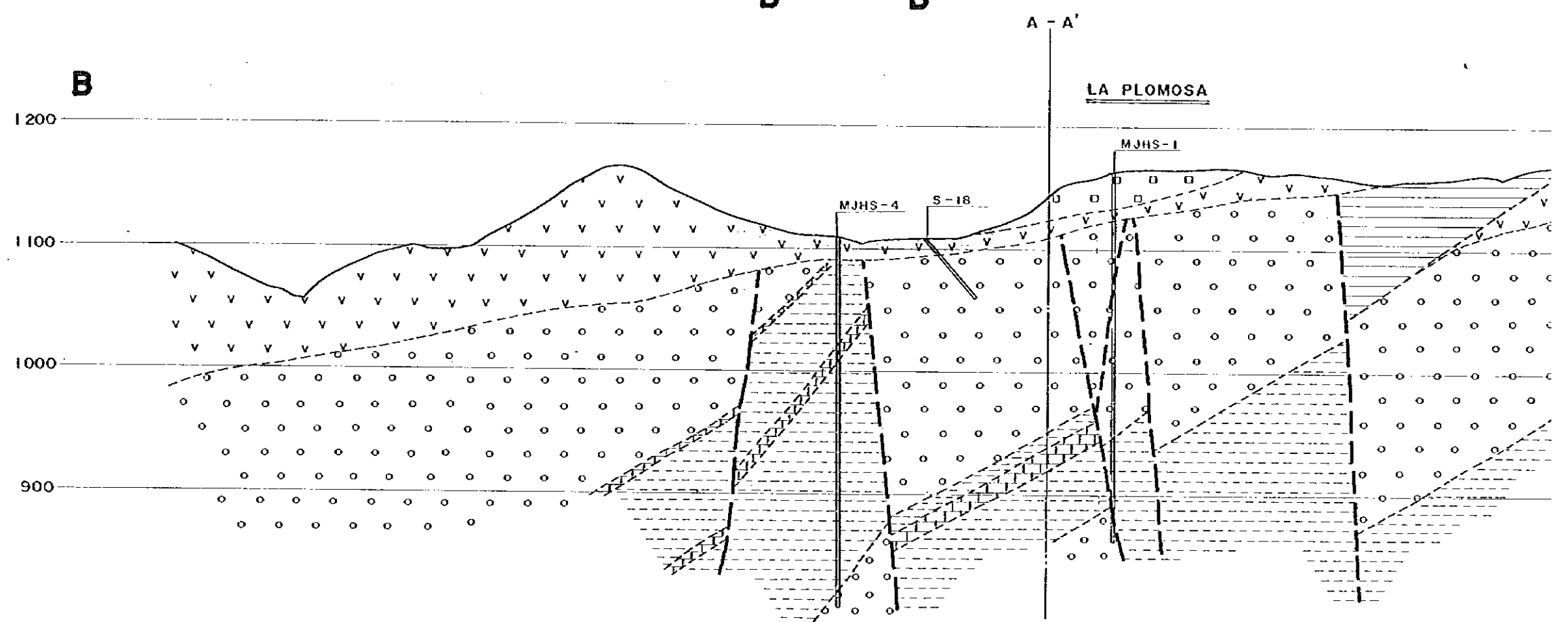


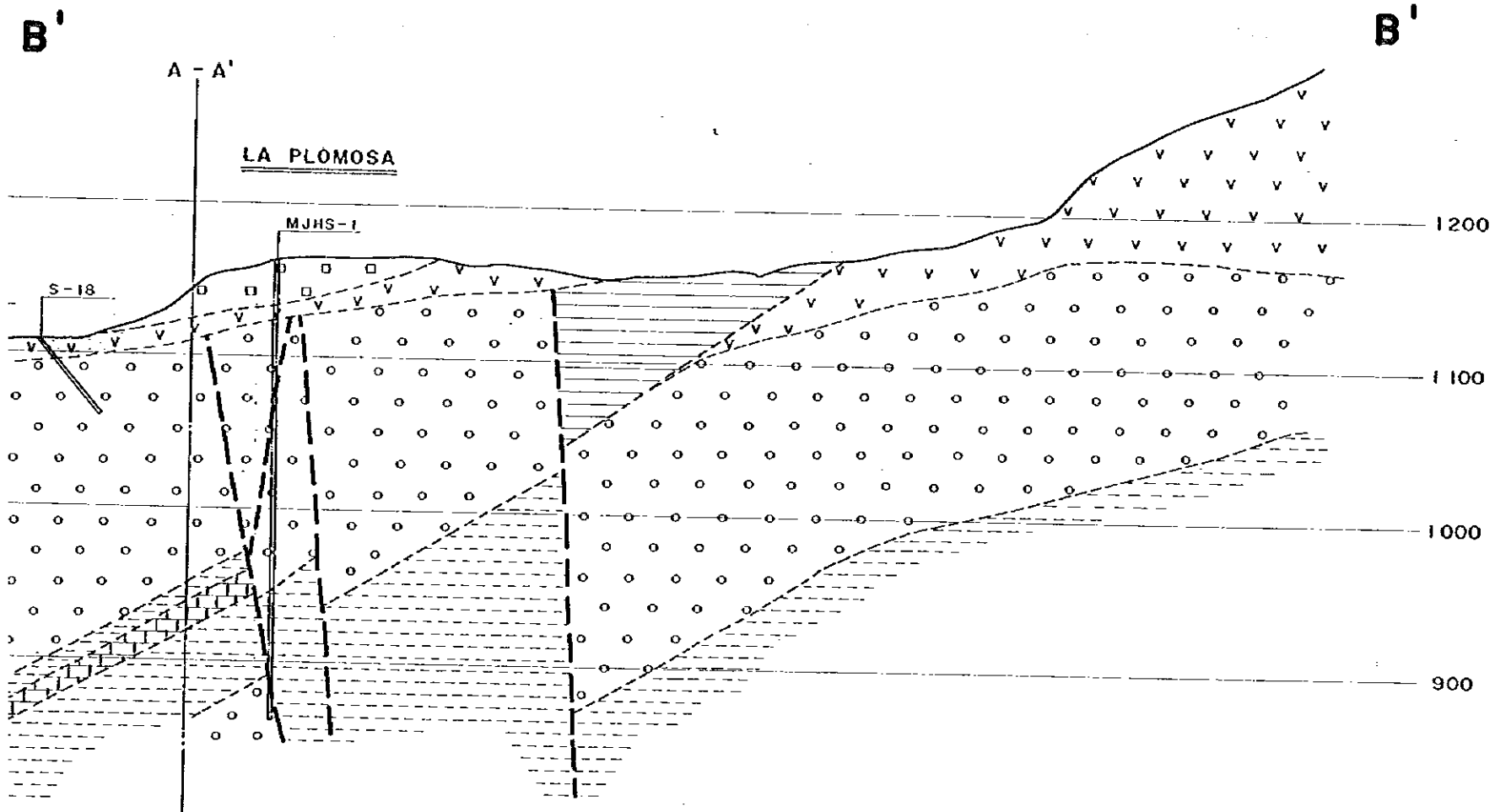
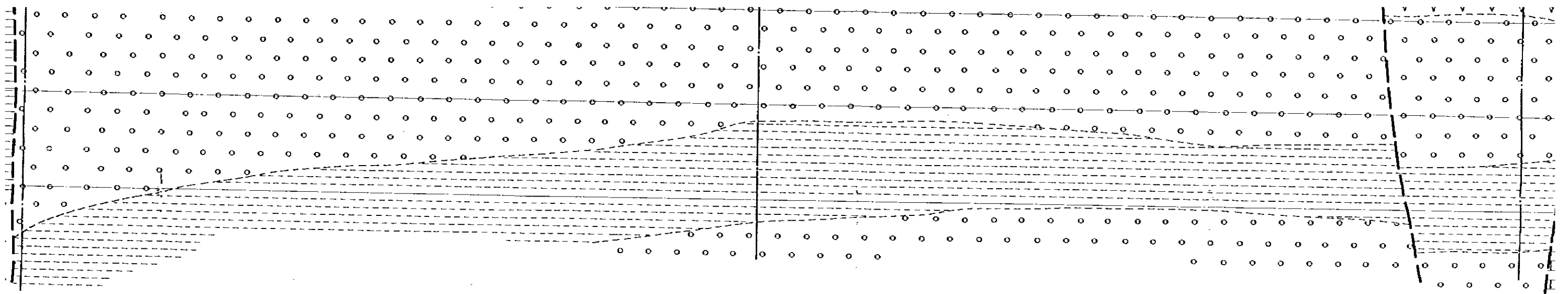
LEYENDA

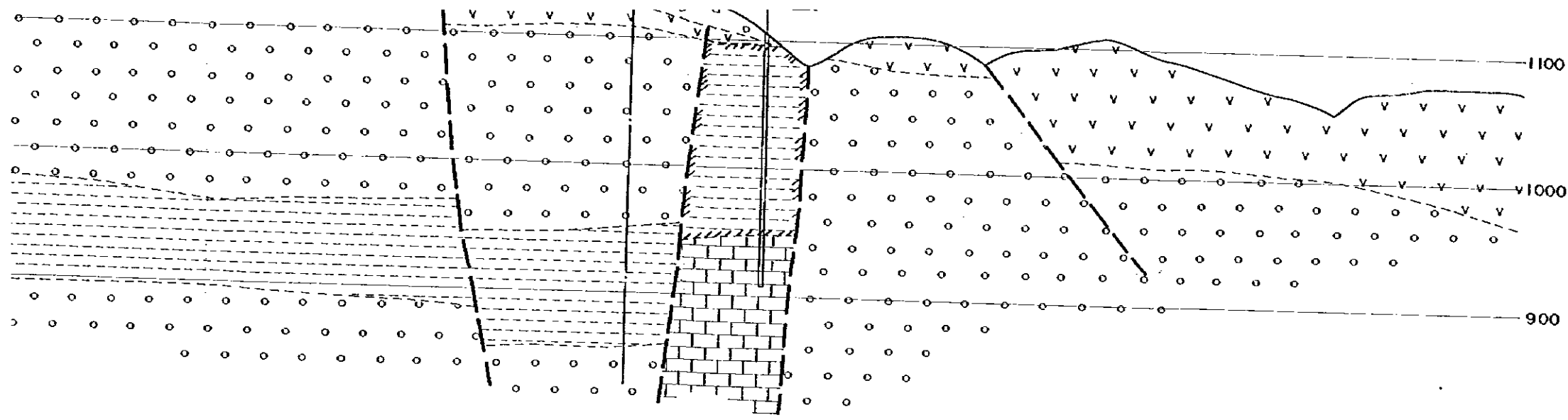
- |                         |                                                  |                     |             |
|-------------------------|--------------------------------------------------|---------------------|-------------|
| [Stippled Box]          | ALUVIONES                                        |                     |             |
| [Cross-hatched Box]     | BASALTOS                                         |                     | CUATERNARIO |
| [V-shaped Symbols]      | IGNIMBRITAS, TOBAS                               |                     | } TERCIARIO |
| [S-shaped Symbols]      | BRECHA TOBACEA, DEPOSITOS<br>FLUVIALES DERRUMBES | G. PADRE MIGUEL     |             |
| [L-shaped Symbols]      | ANDESITA                                         | F. MATASALPA        |             |
| [Wavy Line]             | DISCORDANCIA                                     |                     |             |
| [Horizontal Lines]      | LUTITAS Y MARGAS                                 | G. VALLE DE ANGELES | } CRETACICO |
| [Stippled with Circles] | CONGLOMERADOS<br>Y VARGAS                        |                     |             |
| [Dashed Lines]          | LUTITAS CALCAREAS                                | F. ATIMA            |             |

















**B - B'**







**LEYENDA**

-  ALUVIONES
  -  BASALTOS
  -  IGNIMBRITAS, TOBAS
  -  BRECHA TOBACEA, DEPOSITOS FLUVIALES DERRUMBES
  -  ANDESITA
  -  DISCORDANCIA
  -  LUTITAS Y MARGAS
  -  CONGLOMERADOS Y MARGAS
  -  LUTITAS CALCAREAS
  -  CALIZAS
  -  ALTERACION HIDROTHERMAL
  -  ZONA MINERALIZADA
  -  FALLA
  -  FALLA PROBABLE
- CUATERNARIO

G. PADRE MIGUEL

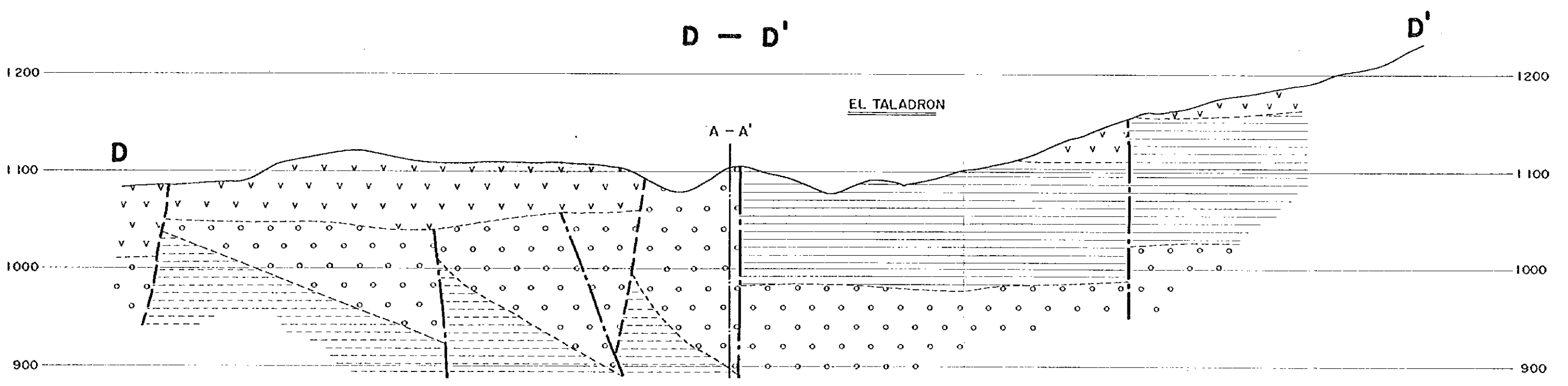
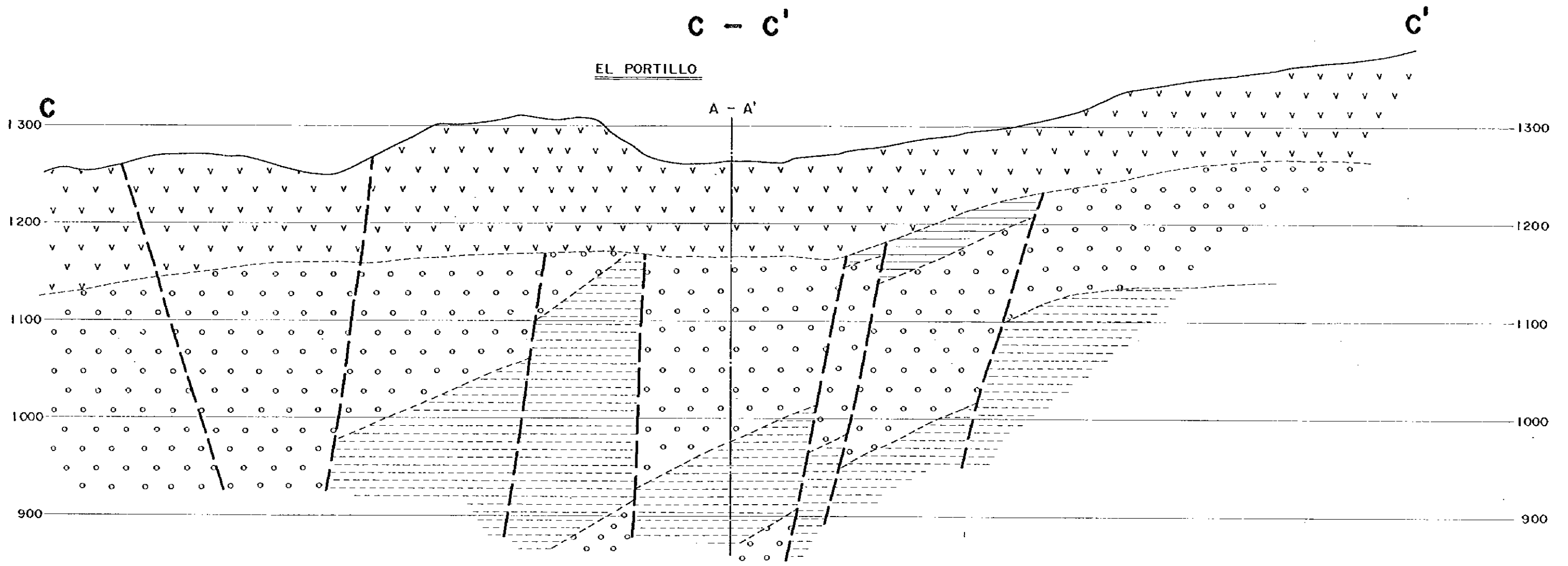
F. MATACALPA

} TERCIARIO

G. VALLE DE ANGELES

} CRETACICO

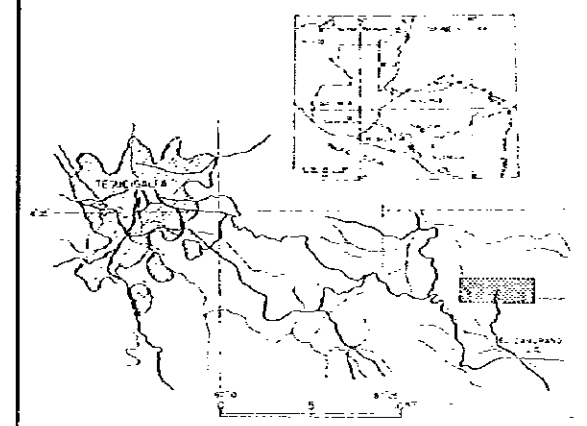
F. ATIMA





LA EXPLORACION MINERA  
EN  
EL AREA DE SAN ANTONIO  
LA REPUBLICA DE HONDURAS

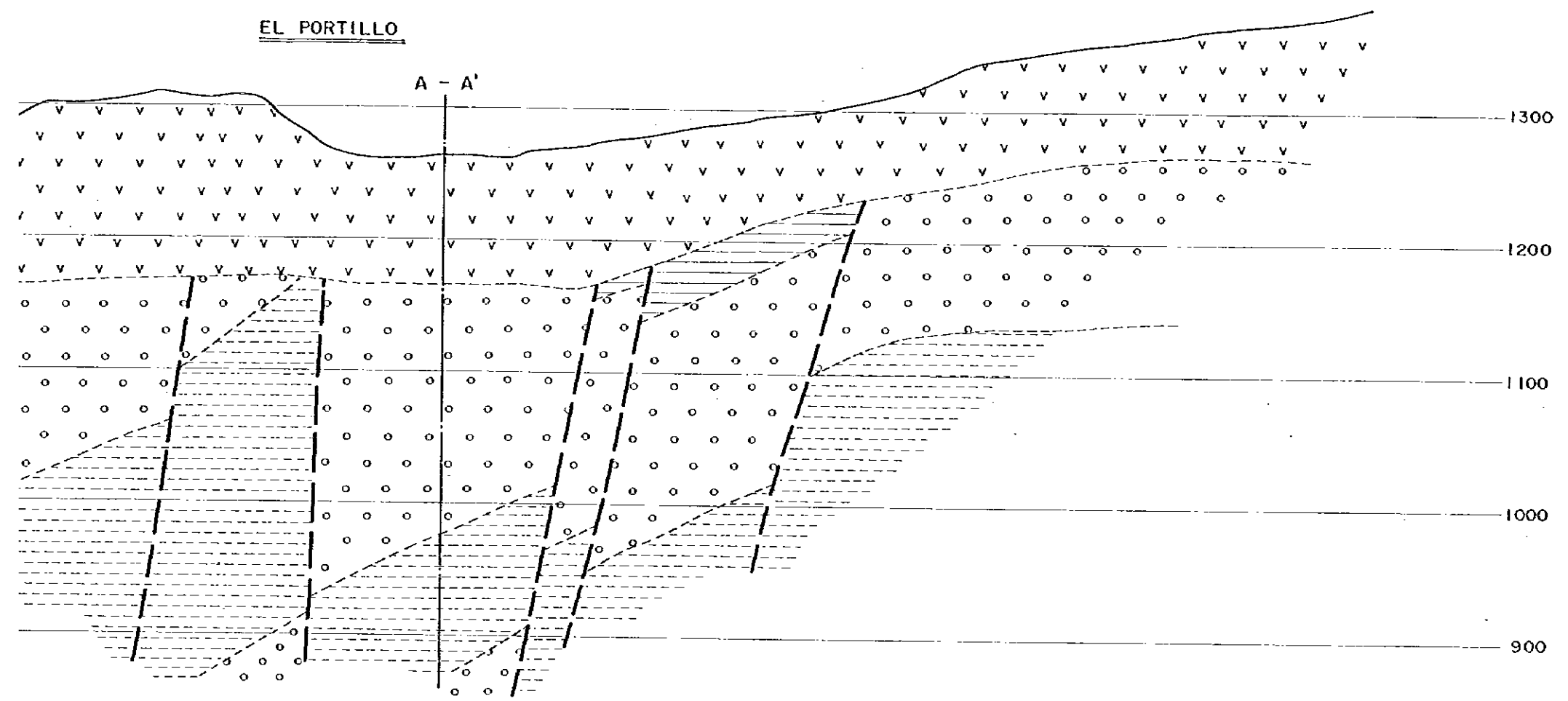
Sección geológica C-C', D-D', E-E' (Escala 1:2,000)



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEB/FEB 1997

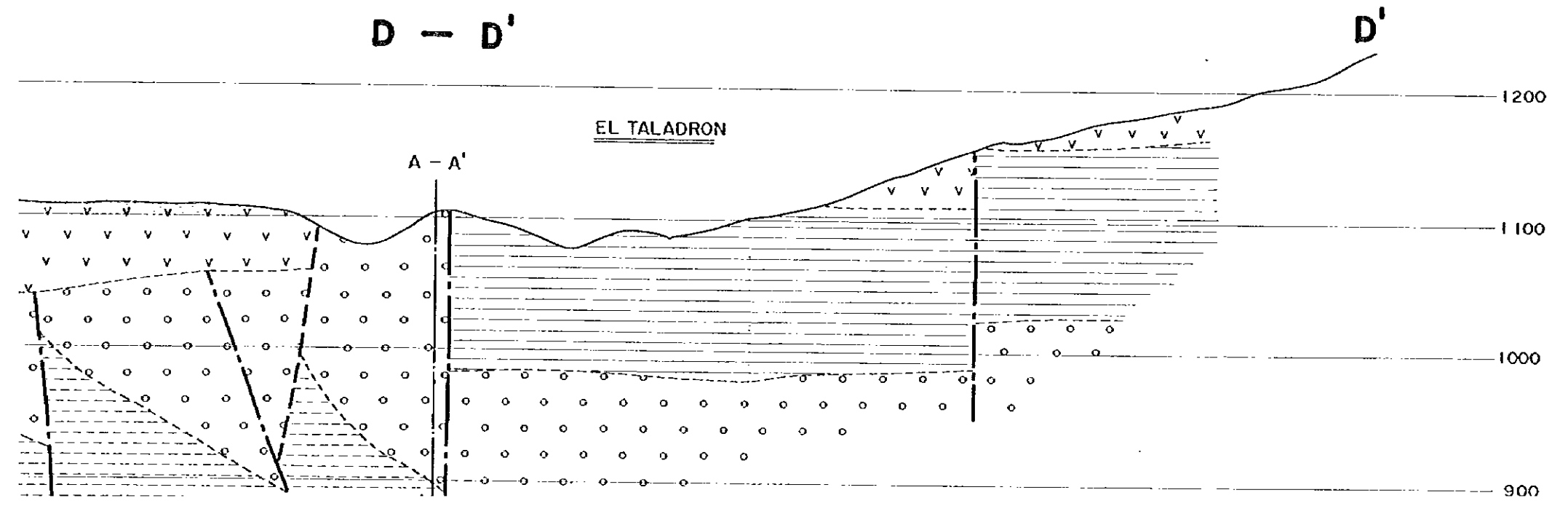
C - C'

EL PORTILLO



D - D'

EL TALADRON



LEYENDA



ALUVIONES

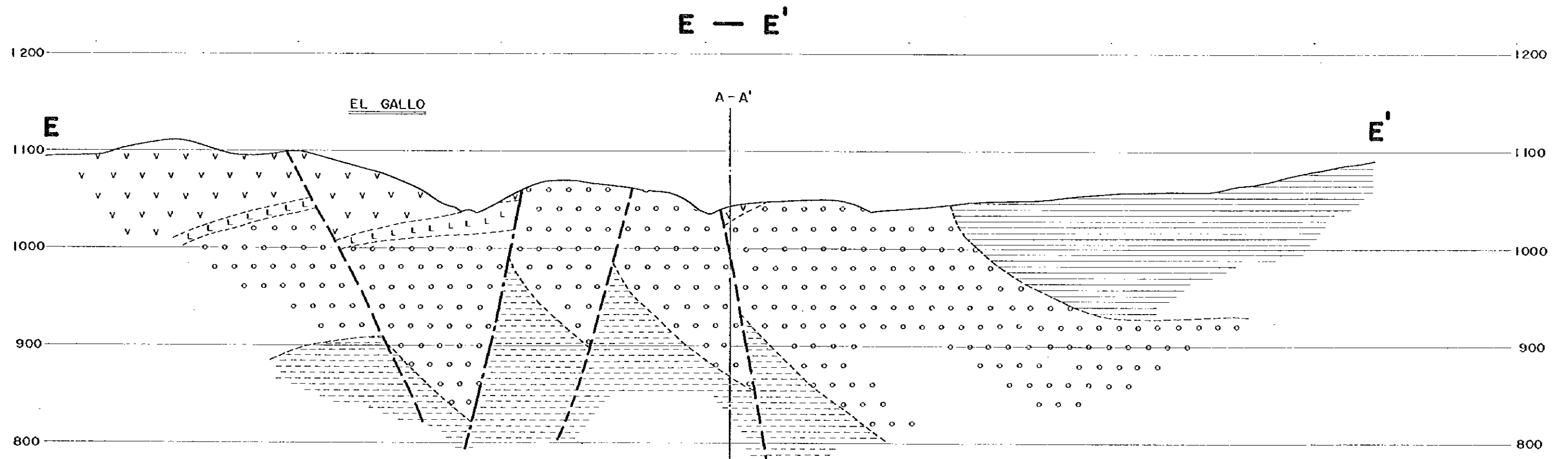
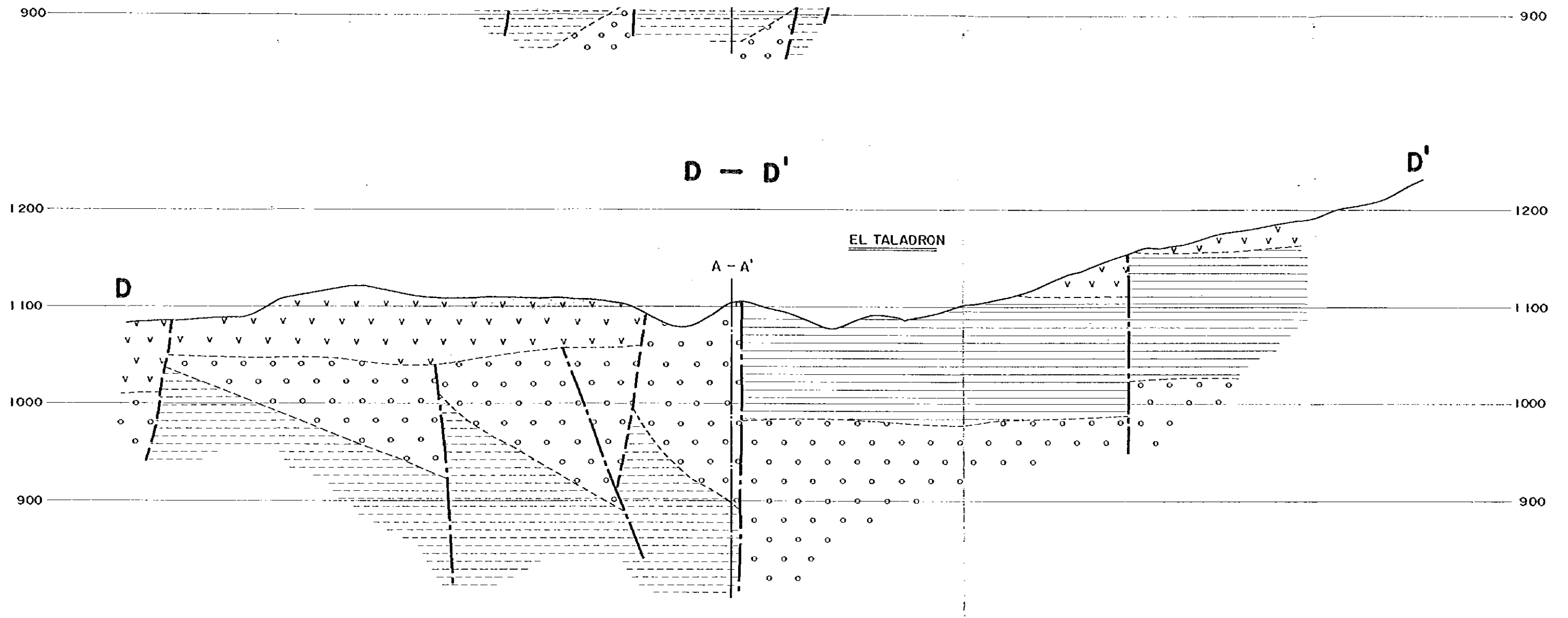


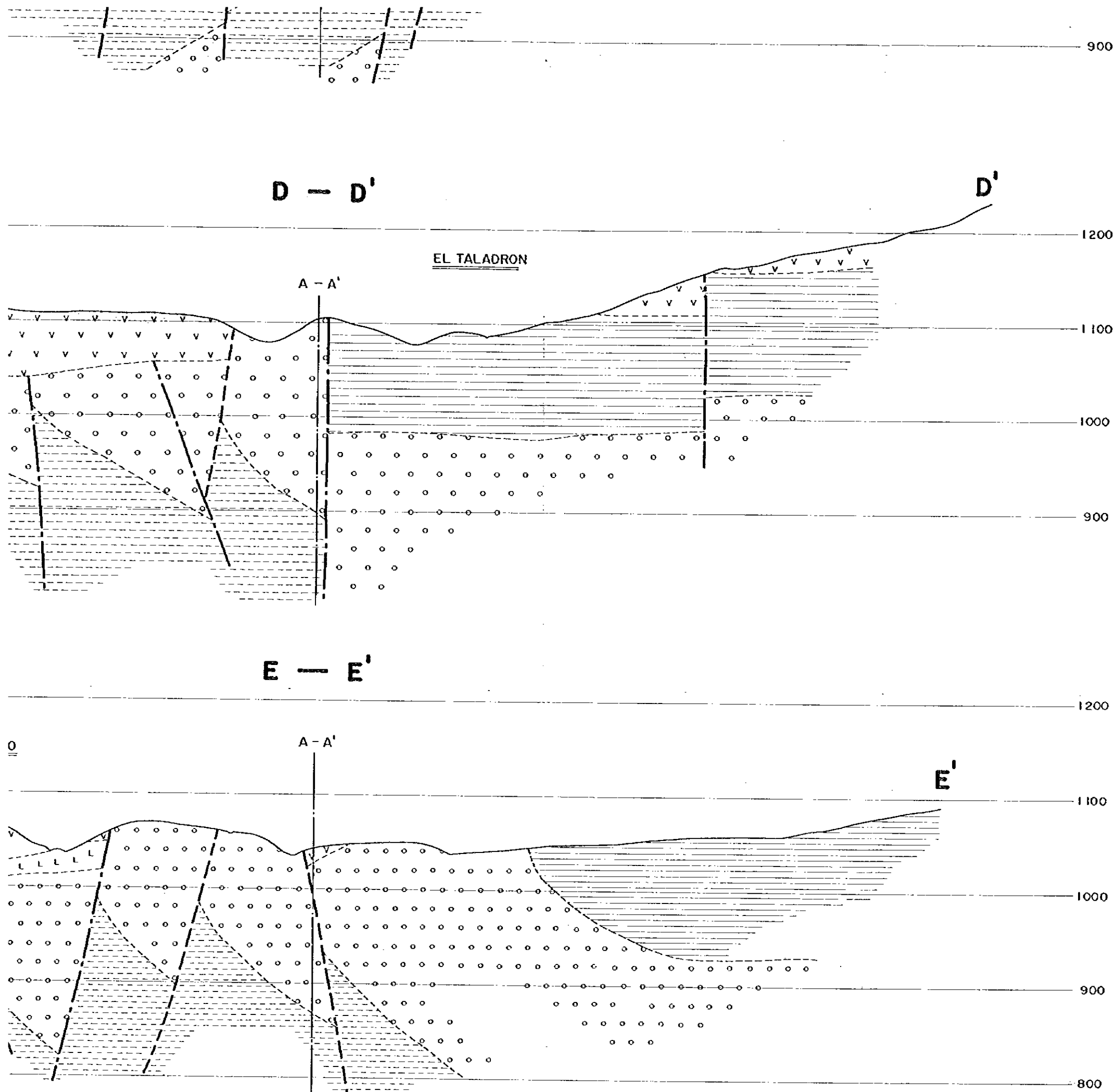
BASALTOS

















IGNEBRITAS, TOSAS

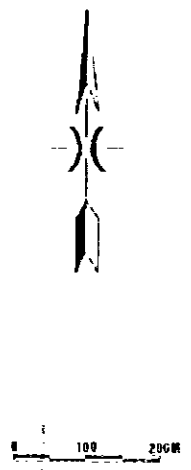
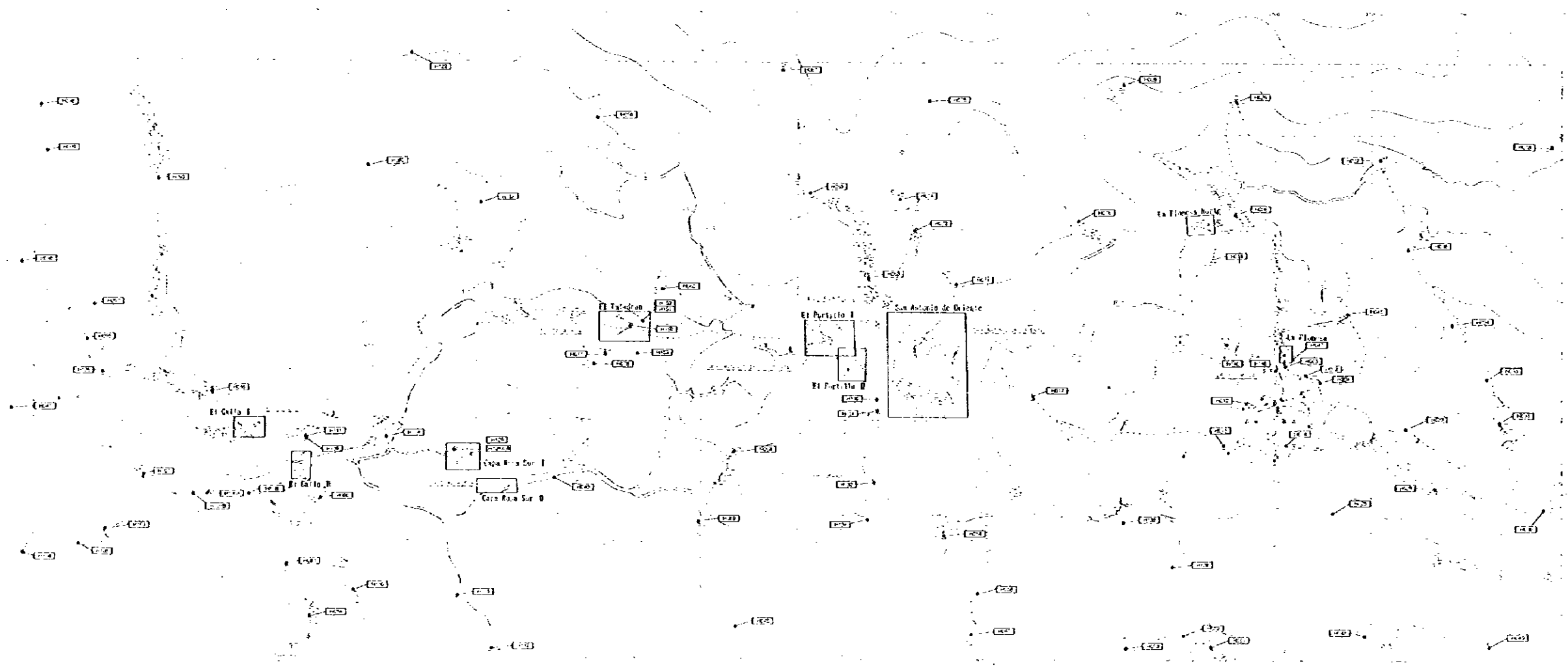
CUATERNARIO

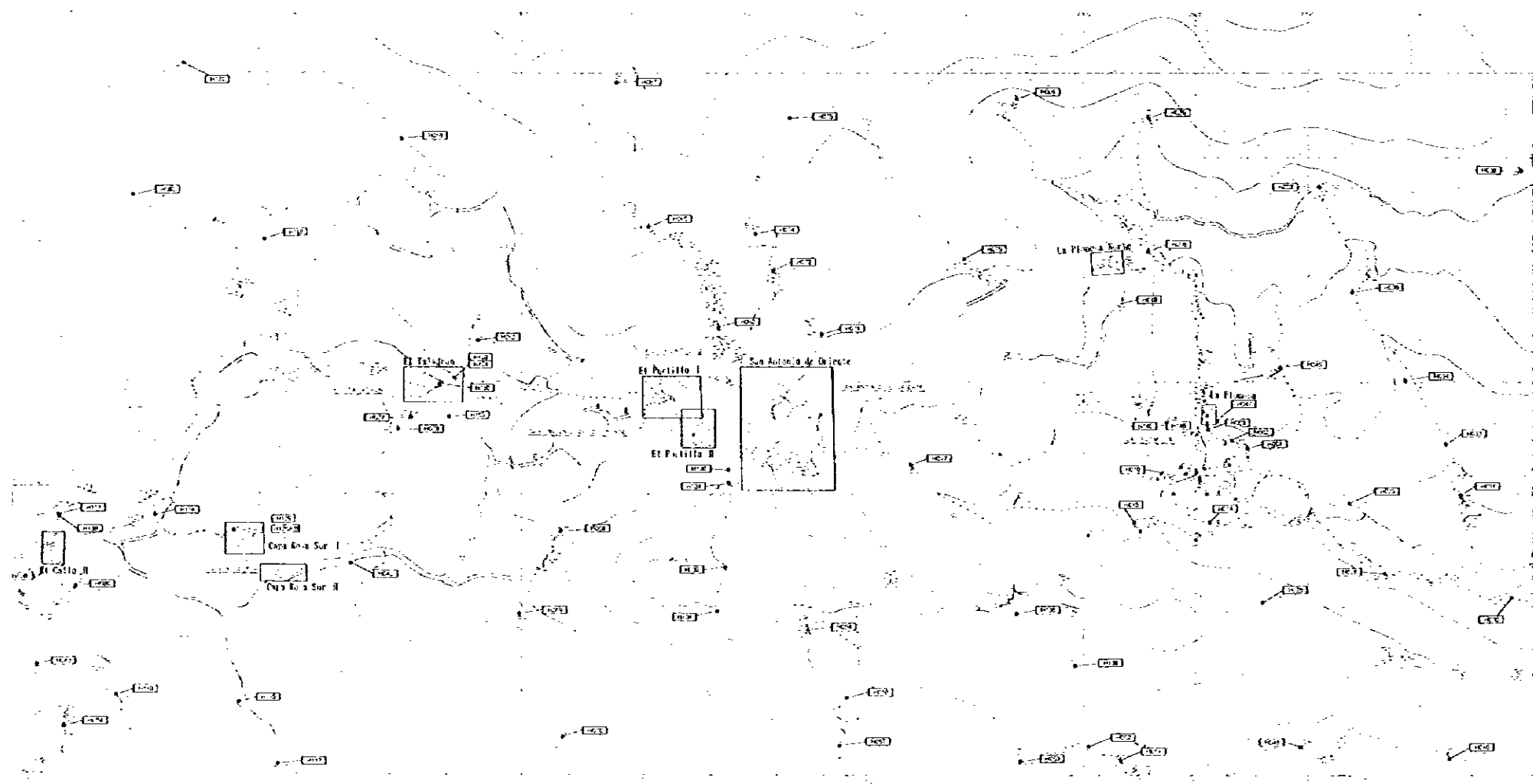






LEYENDA

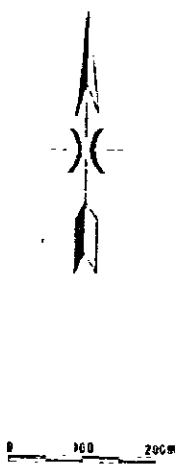
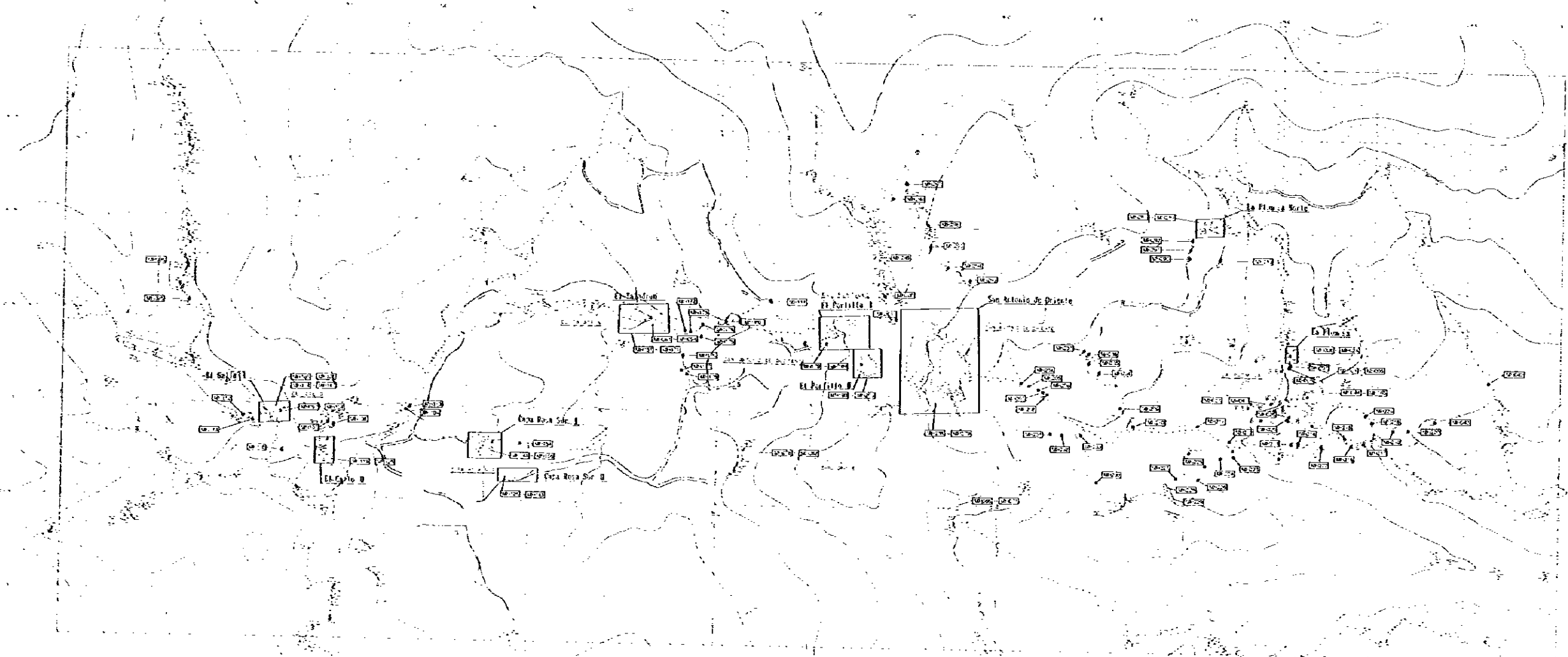
-  ALUVIONES
  -  BASALTOS
  -  IGNEBRITAS, TOBAS
  -  BRECCIA TOBACEA, DEPOSITOS FLUVIALES FERRUMBES
  -  ANDESITA
  -  DISCORDANCIA
  -  LUTITAS Y MARGAS
  -  CONGLOMERADOS Y MARGAS
  -  LUTITAS CALCAREAS
  -  CALIZAS
  -  ALTERACION HIDROTHERMAL
  -  ZONA MINERALIZADA
  -  FALLA
  -  FALLA PROBABLE
- CUATERNARIO  
 TERCARIO  
 G. PADRE MIGUEL  
 F. MATAGALPA  
 G. VALLE DE ANGELES  
 F. ATIMA  
 CRETACICO



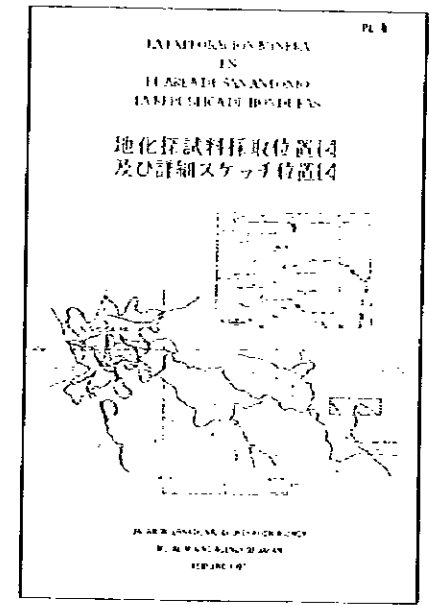
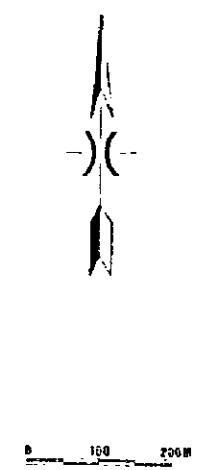
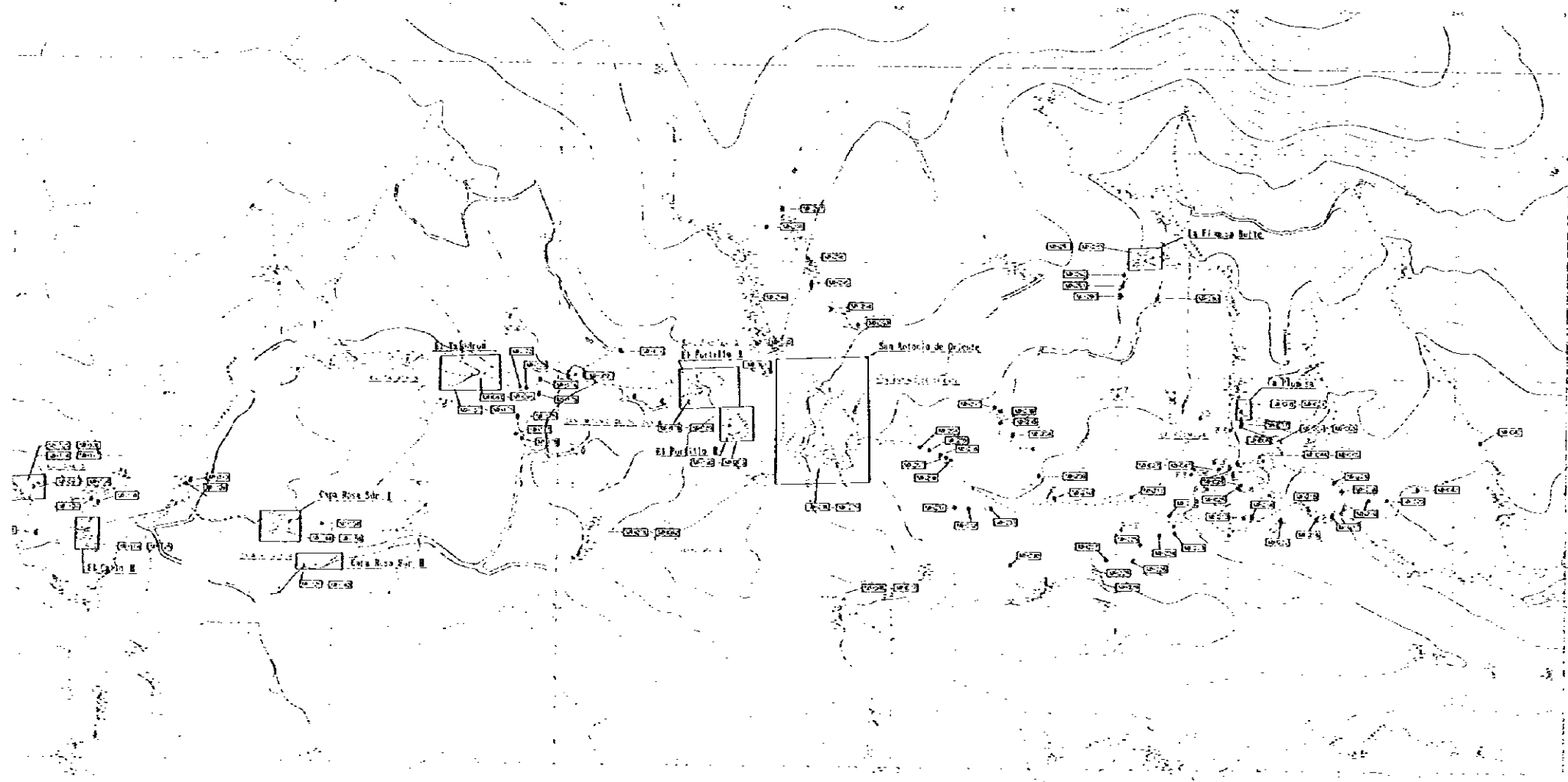


凡例

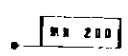
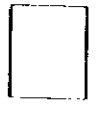
-  地質探検地点及び試料番号
-  詳細スケッチ範囲

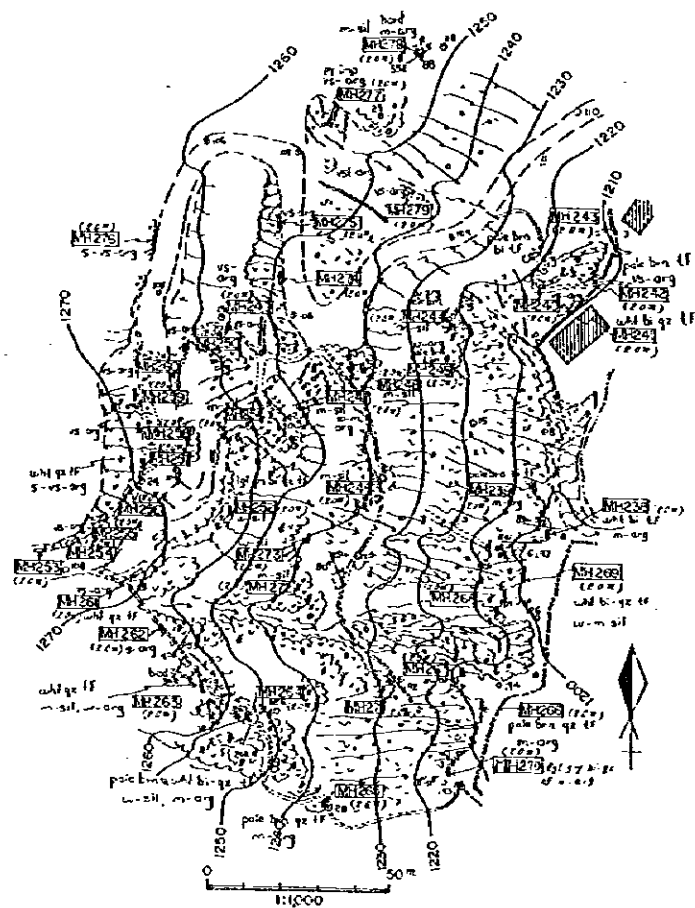


MM

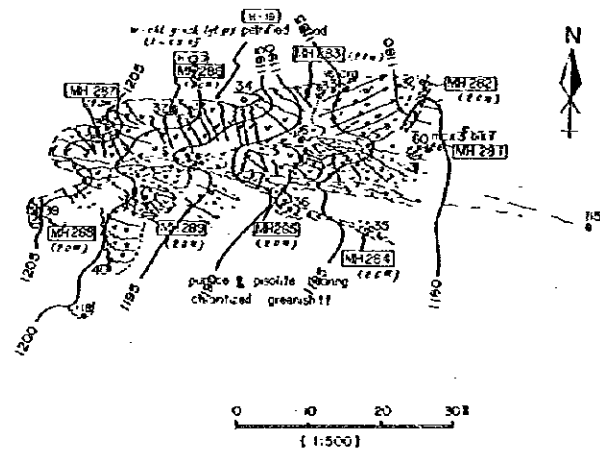


凡例

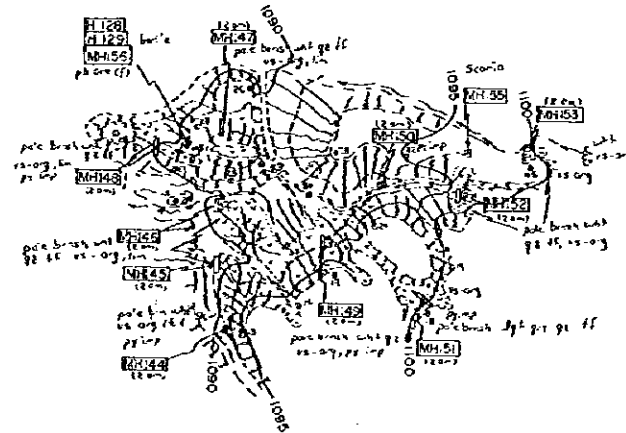
- 
 RR 200 試料採取地点及び試料番号
- 
 詳細スケッチ位置図



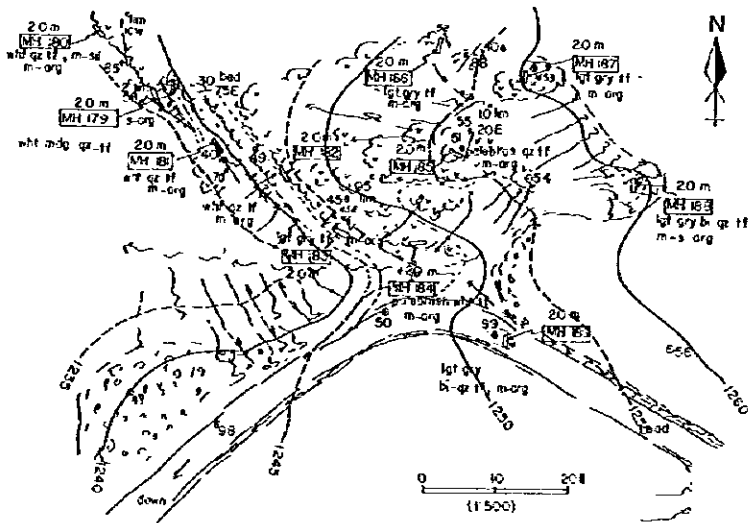
SAN ANTONIO DE ORIENTE



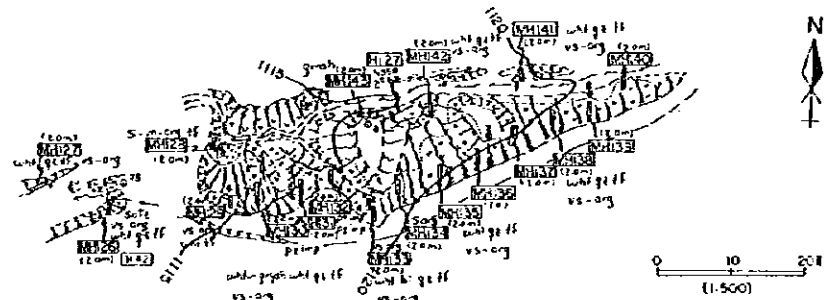
LA PLOMOSA NORTE



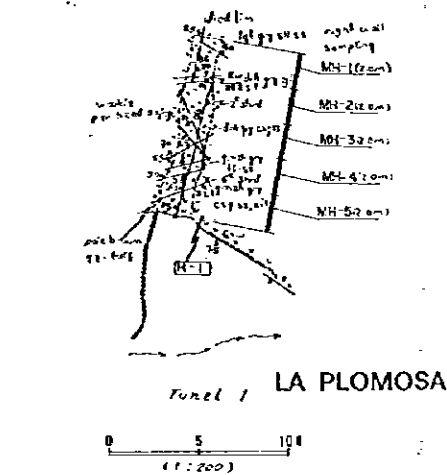
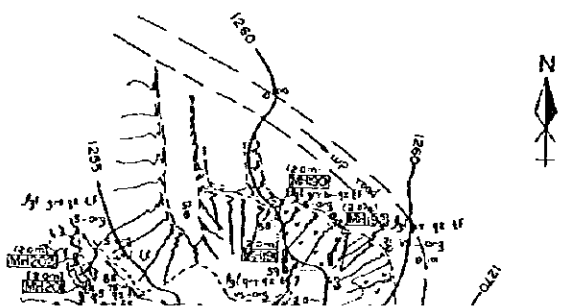
CAPA ROSA SUR I



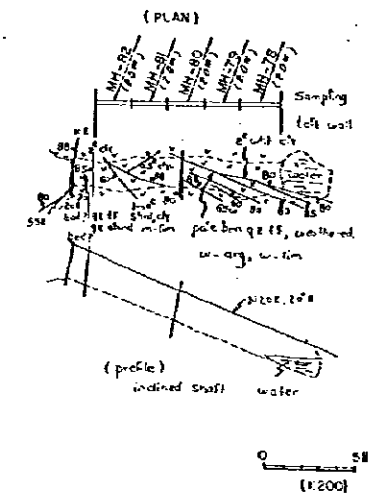
EL PORTILLO I



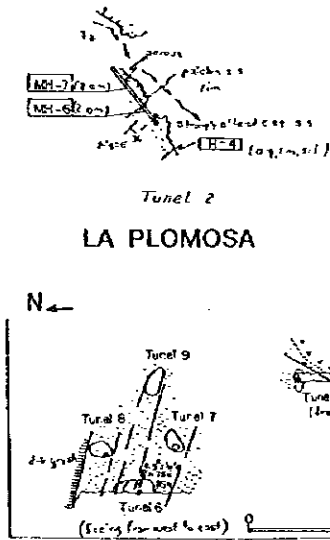
CAPA ROSA SUR II



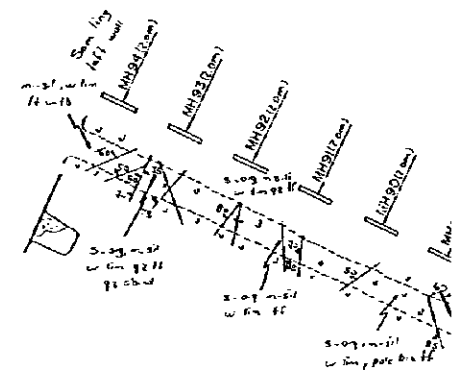
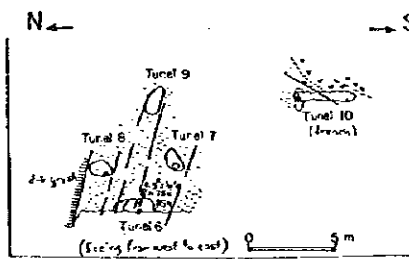
Tunnel 1 LA PLOMOSA



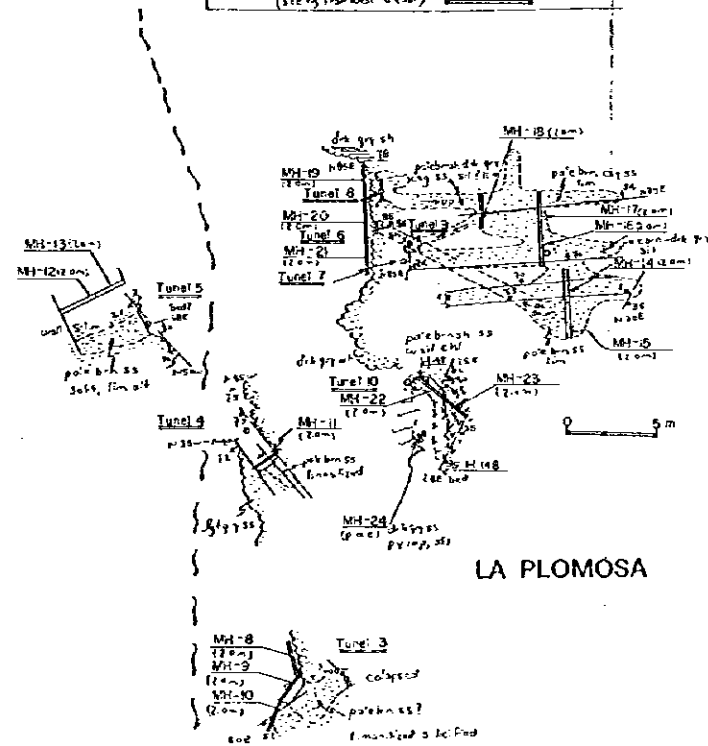
SAN ANTONIO DE OCCIDENTE



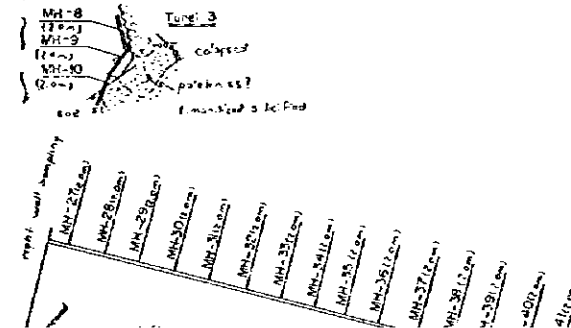
Tunnel 2 LA PLOMOSA



EL TALAI



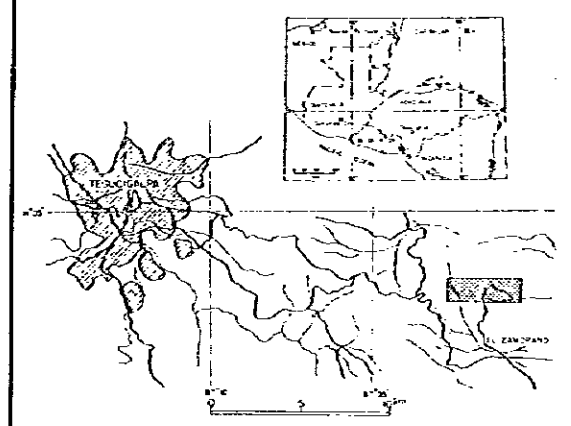
LA PLOMOSA



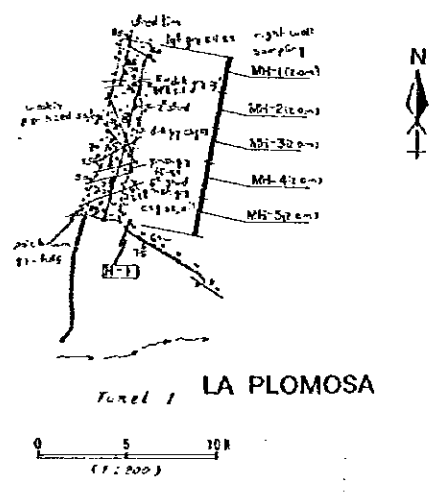
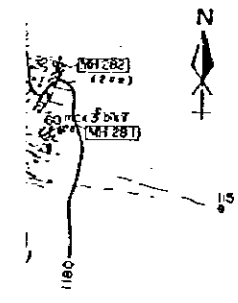


LA EXPLORACION MINERA EN EL AREA DE SAN ANTONIO LA REPUBLICA DE HONDURAS

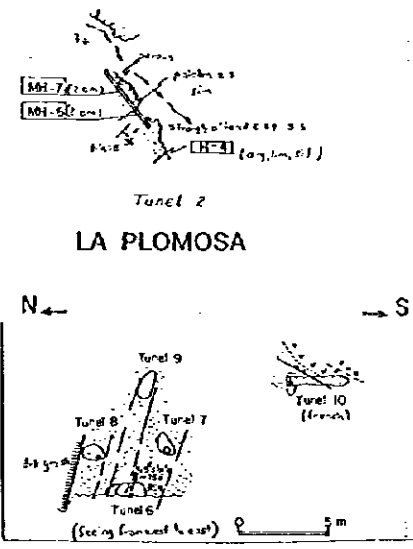
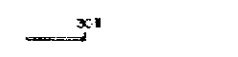
地表スケッチ及び坑道スケッチ (1:200~1:1,000)



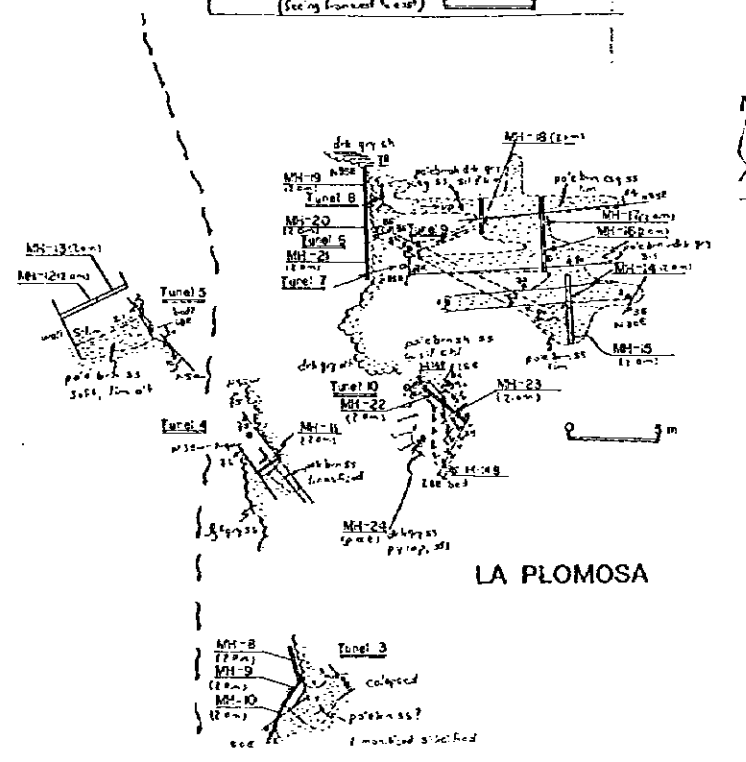
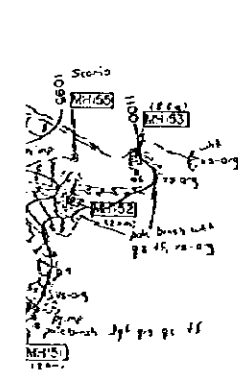
JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUER 1997



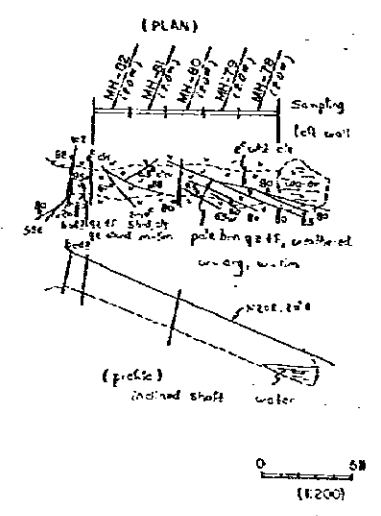
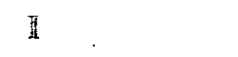
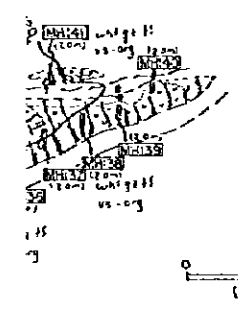
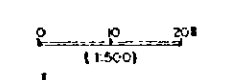
Tunnel 1 LA PLOMOSA



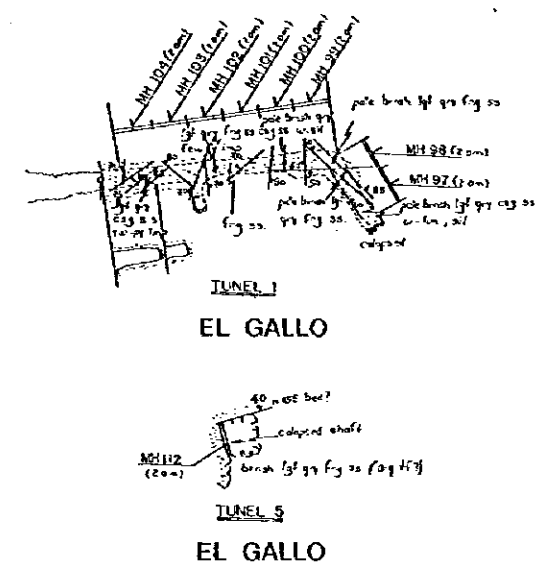
Tunnel 2 LA PLOMOSA



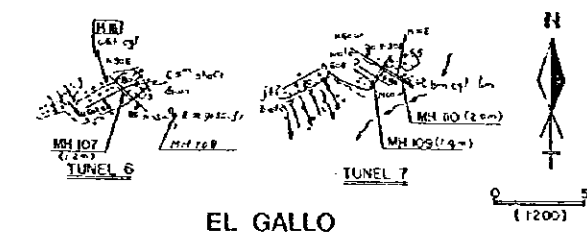
LA PLOMOSA



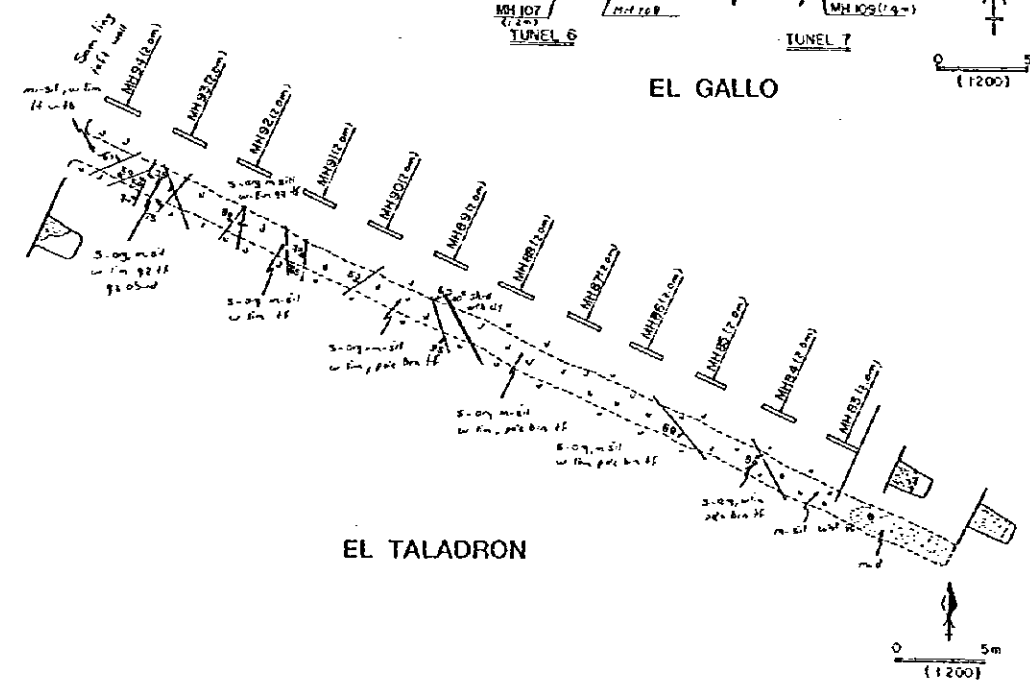
SAN ANTONIO DE OCCIDENTE



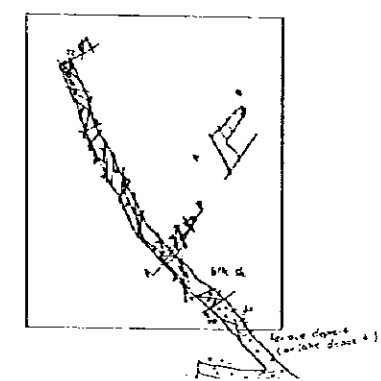
TUNEL 5 EL GALLO



TUNEL 6 EL GALLO

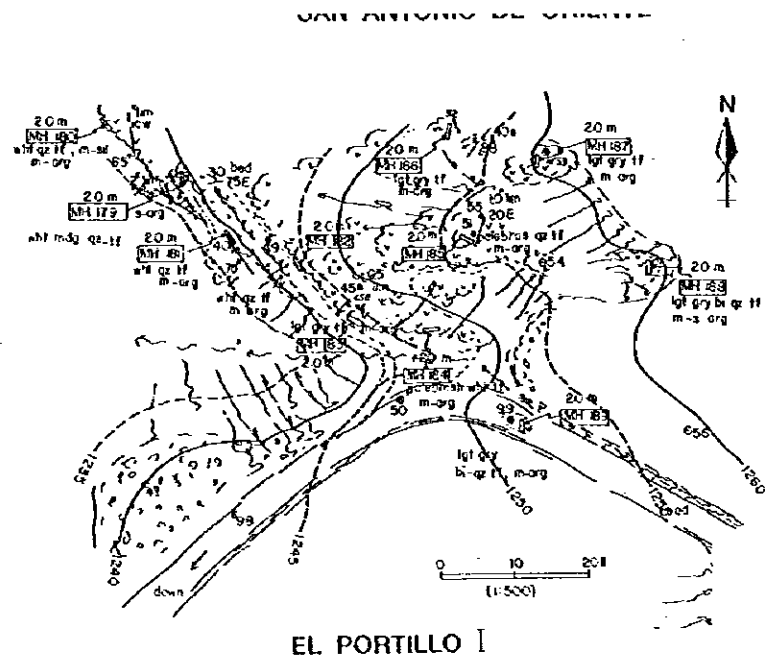


EL TALADRON

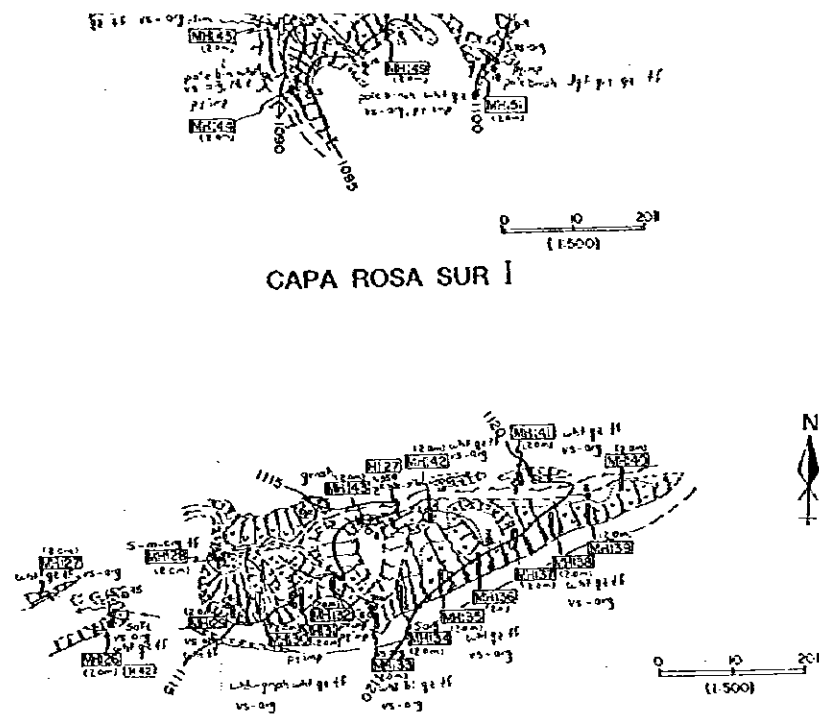


LEYENDA

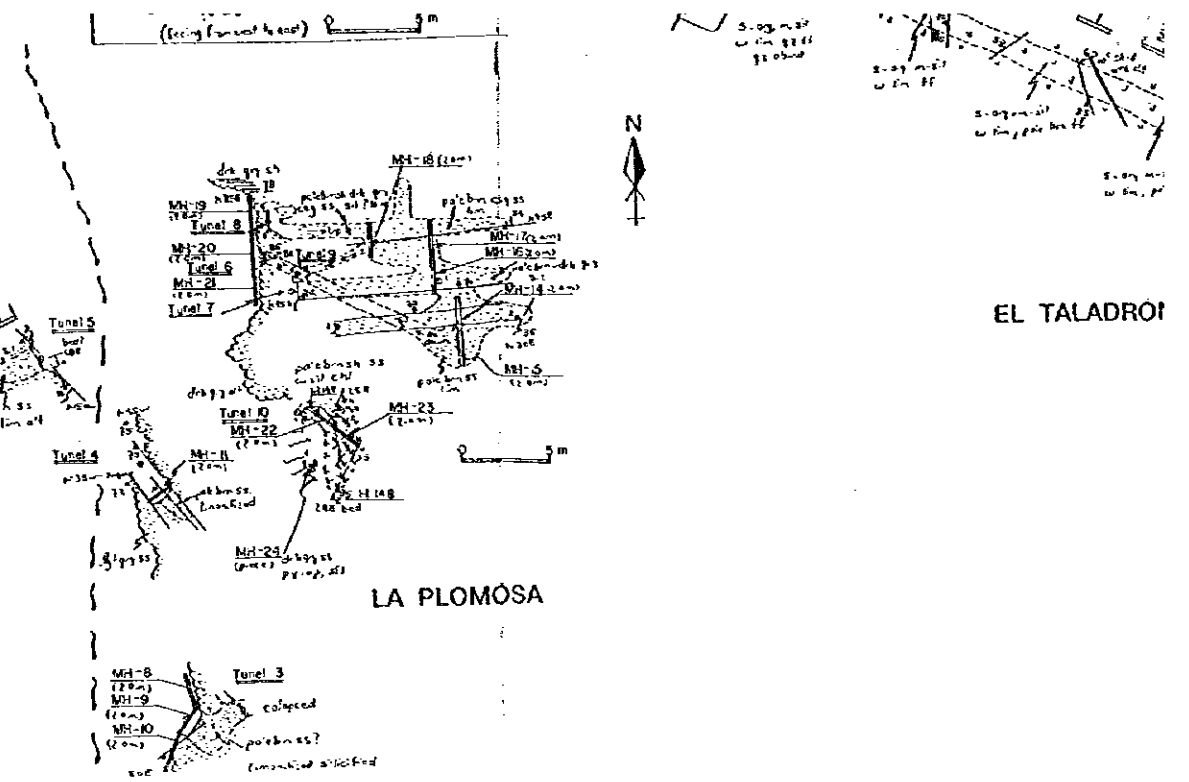
- MN 1 punto de muestreo
- H 1 punto de muestreo
- v v IGNIMBRITAS, TOBAS
- △ △ BRECHAS
- LUTITAS
- ARENISCAS
- o o CONGLOMERADOS



EL PORTILLO I

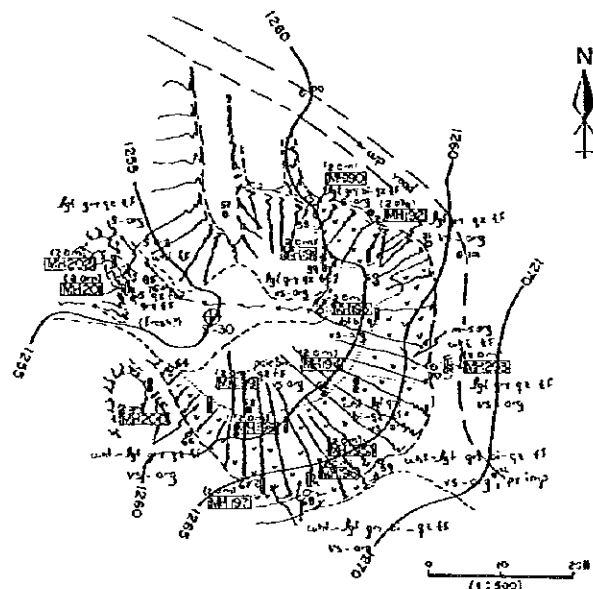


CAPA ROSA SUR I

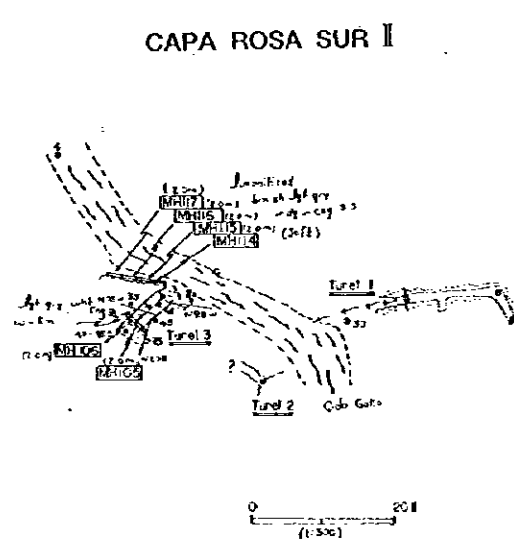


LA PLOMOSA

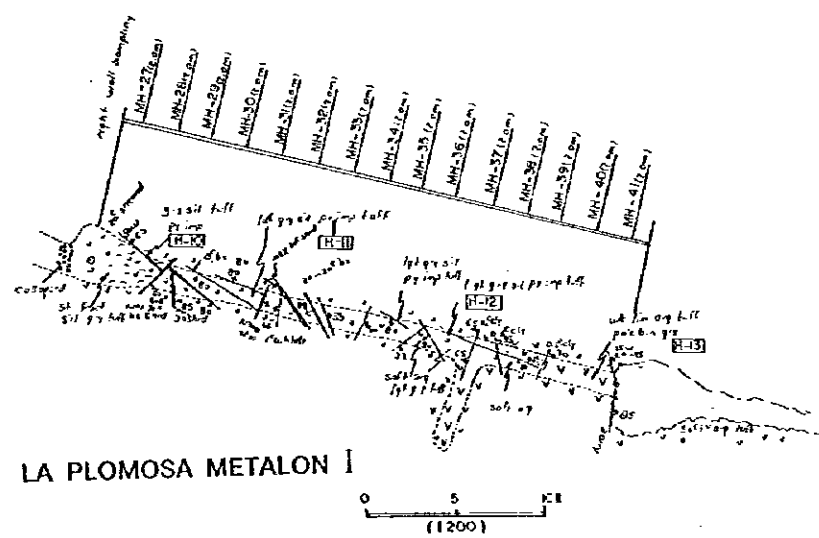
EL TALADRO I



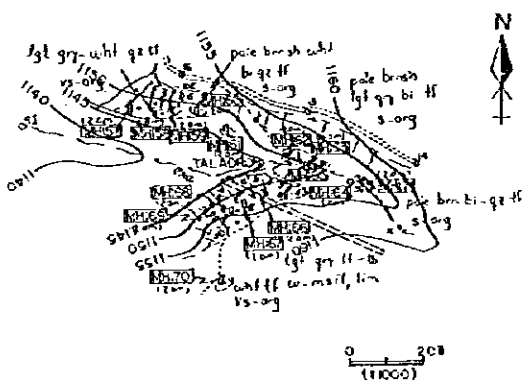
EL PORTILLO II



EL GALLO I



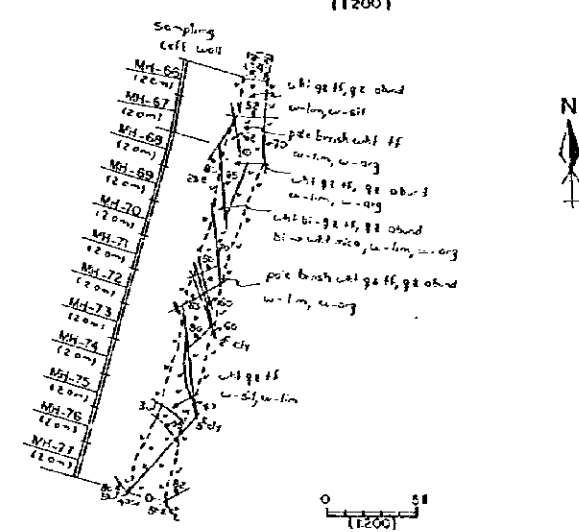
LA PLOMOSA METALON I



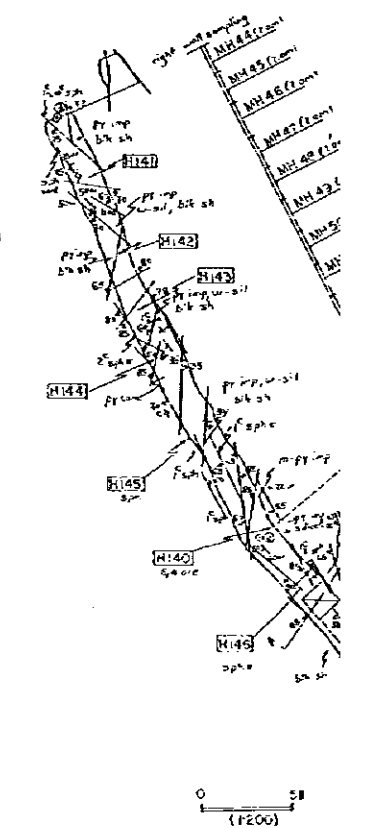
EL TALADRON



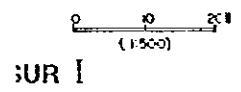
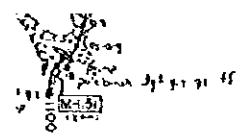
EL GALLO II



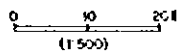
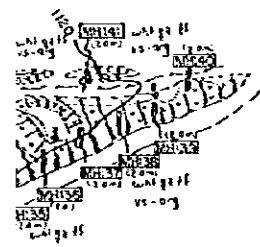
LA MINA



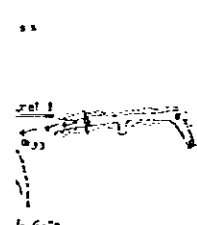
EL TALADRO II



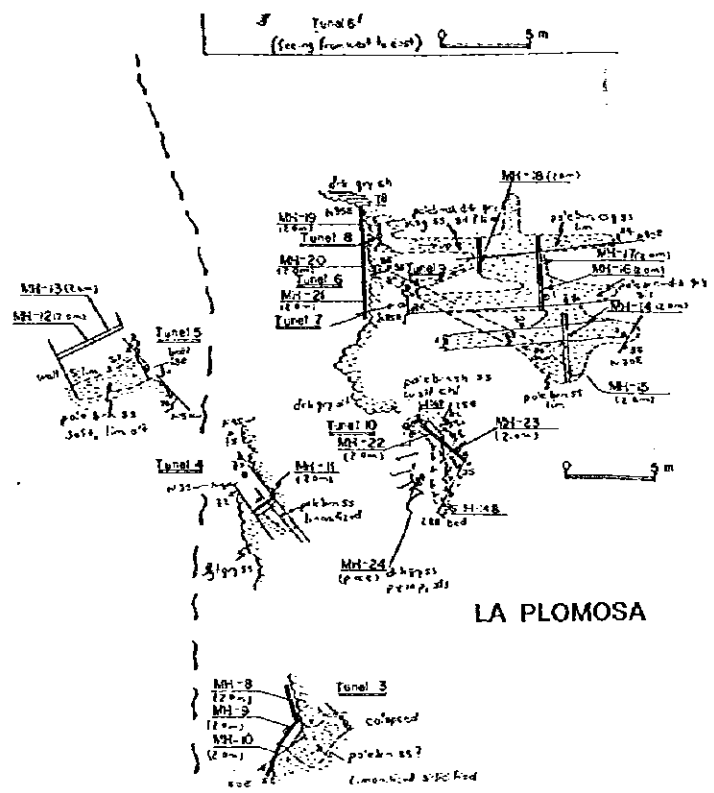
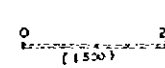
SUR I



UR I

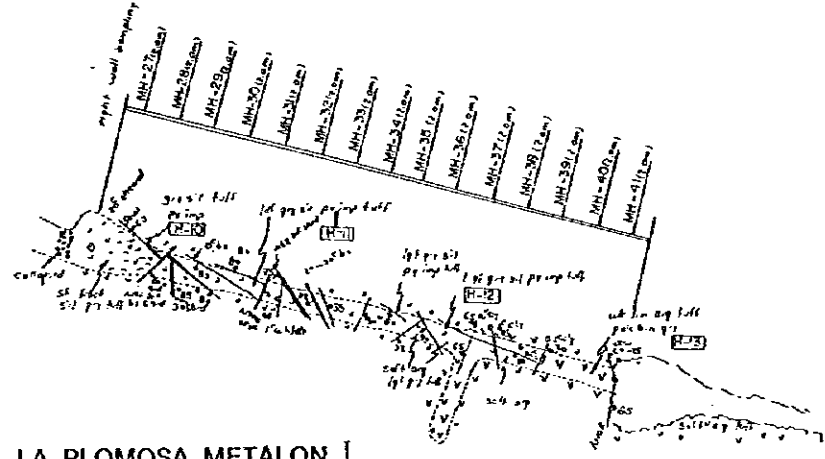


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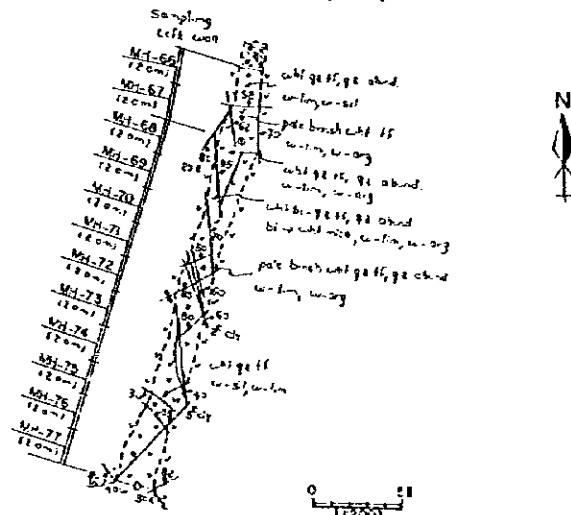


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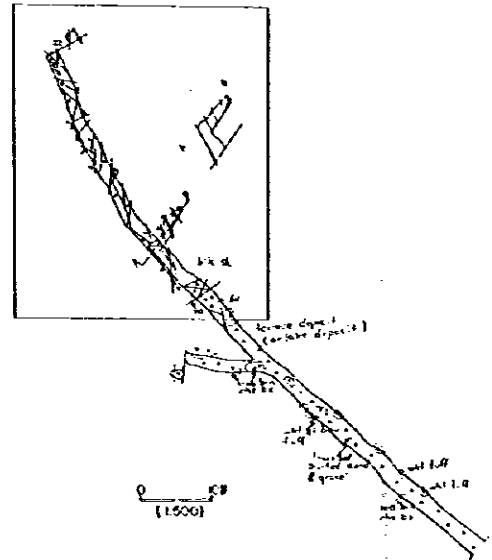
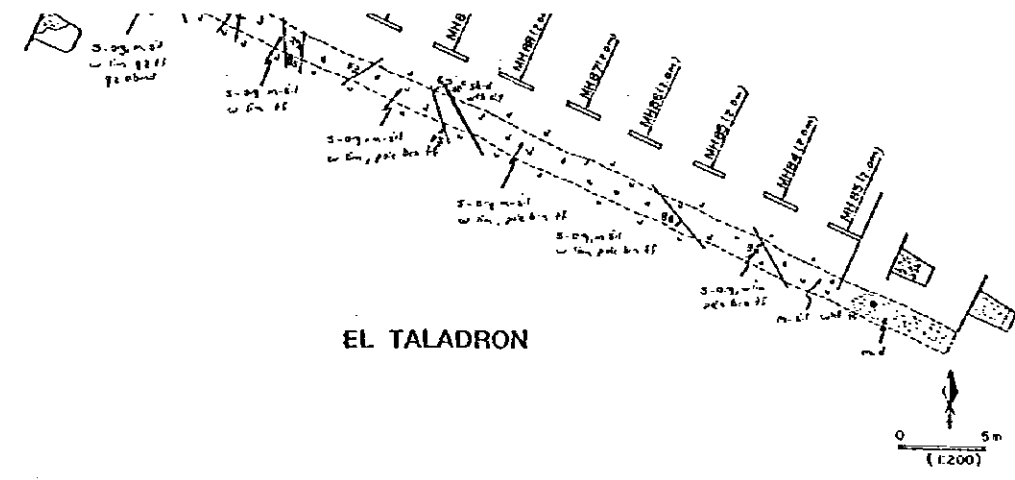
LA PLOMOSA



LA PLOMOSA METALON I



LA MINA



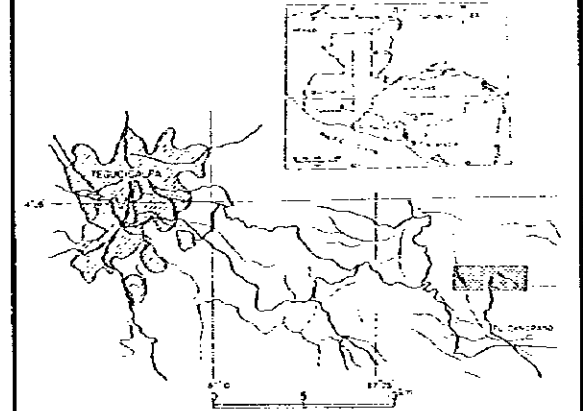
LA PLOMOSA  
"METALON II"

LEYENDA

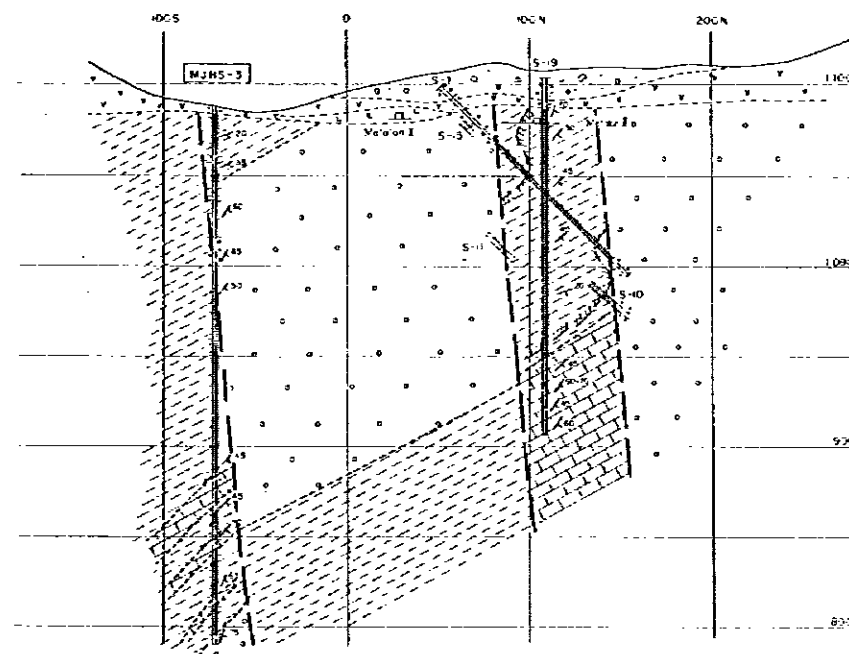
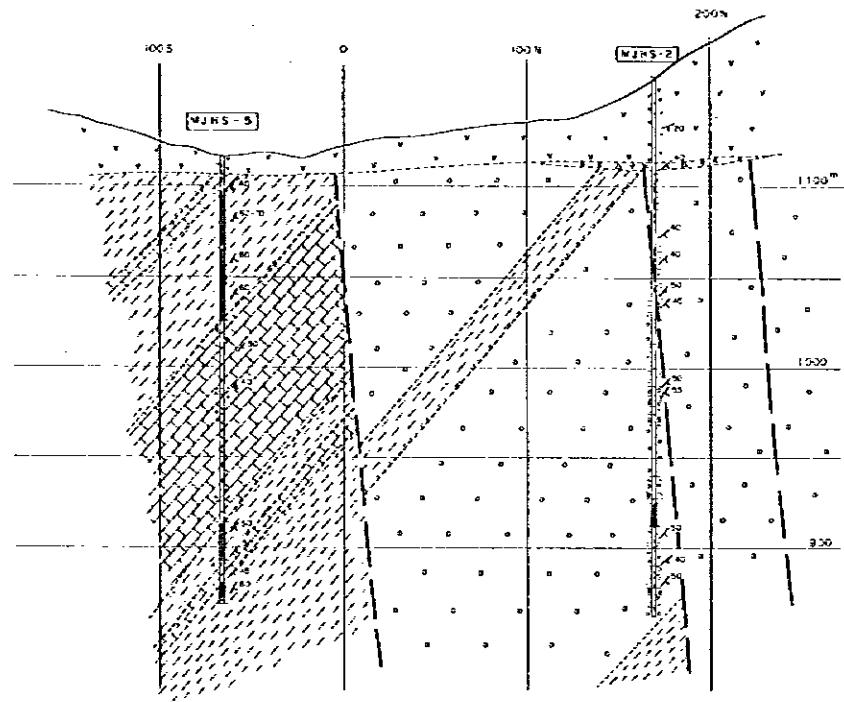
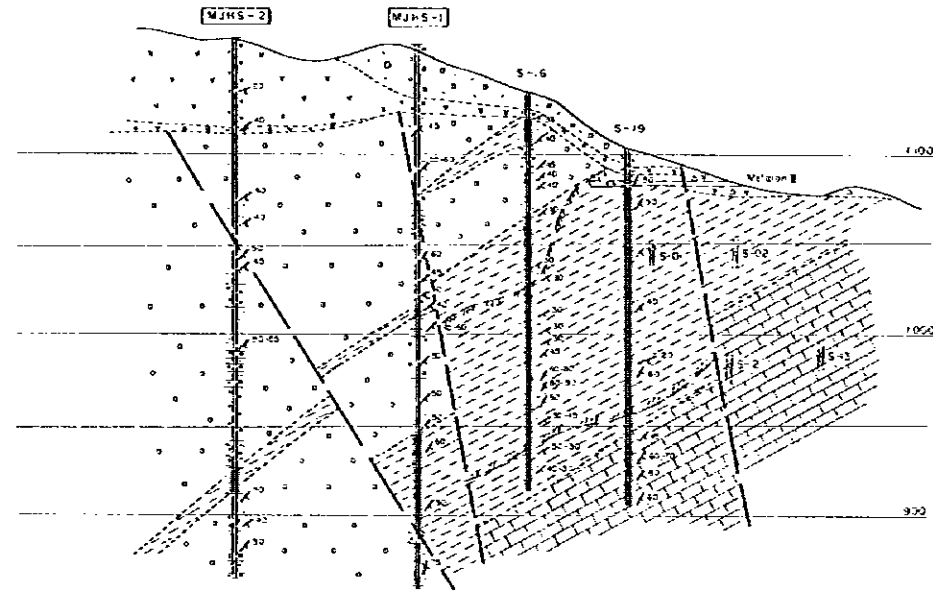
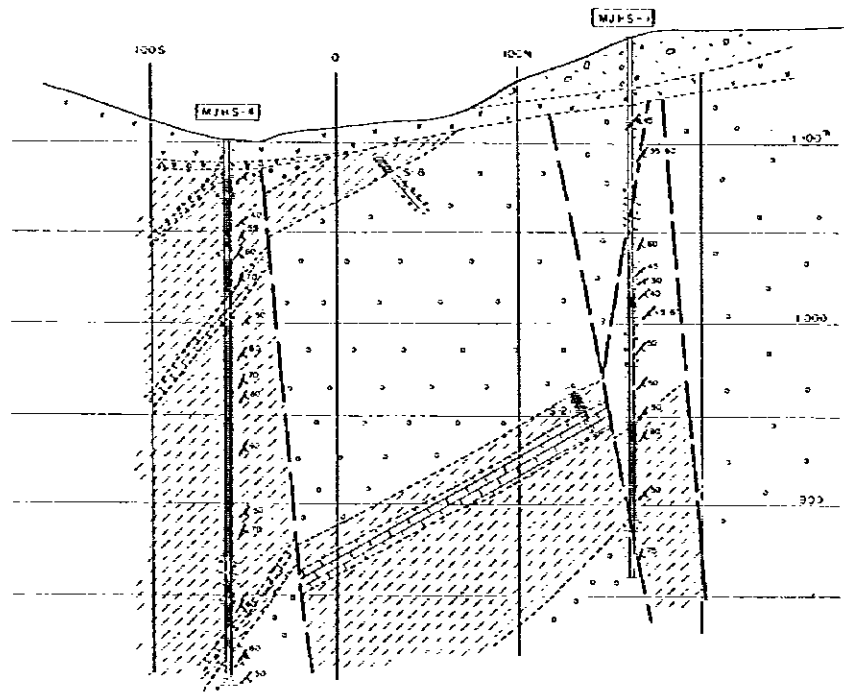
- MN 1 } punto de muestreo
- H 1 } punto de muestreo
- V V } IGNIMBRITAS, TOBAS
- △ △ } BRECHAS
- } LUTITAS
- ▨ } ARENISCAS
- ○ } CONGLOMERADOS

LA EXPLORACION MINERA  
EN  
EL AREA DE SAN ANTONIO  
LA REPUBLICA DE HONDURAS

ボーリング地質断面図 (1:2,000)



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRERO 1997



LEYENDA

- CERRUMBES
- TOBAS, IGNERITAS
- BRECHAS DE BASE
- LUTITAS, MARGAS
- ARENISCAS, CONGLOMERADOS
- CALIZAS
- TUNEL
- CUERPO MINERALIZADO
- FALLA
- ANGULO DE ESTRATIFICACION
- ANGULO DE FALLA

