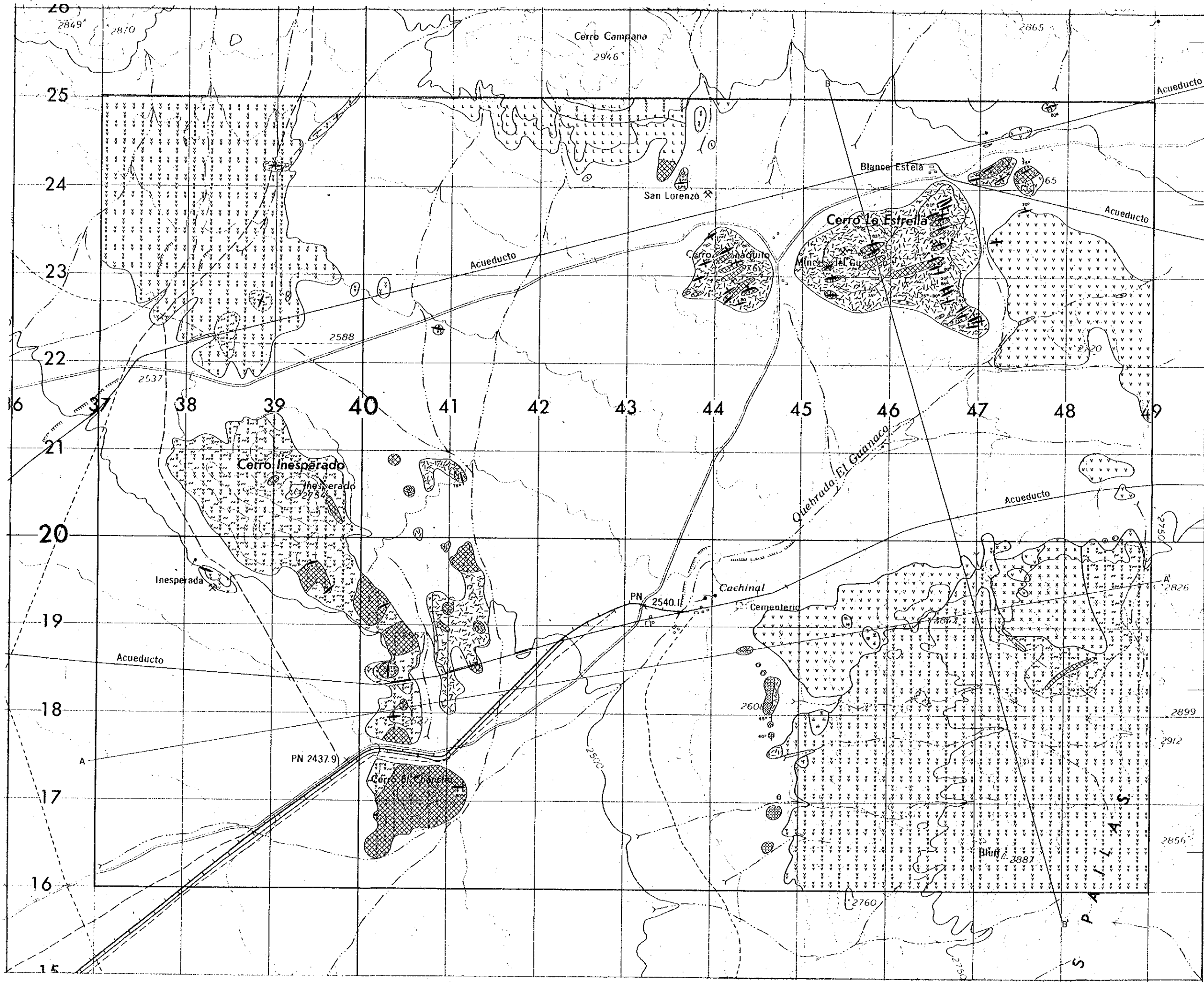
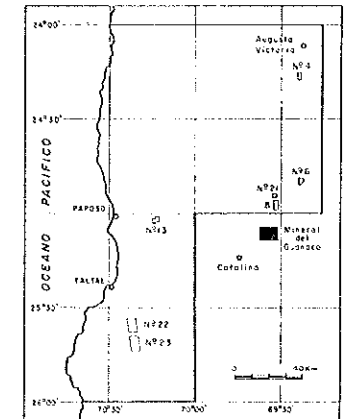


MAPA GEOLOGICO  
AREA MINERAL DEL GUANACO

ESCALA 1:20.000

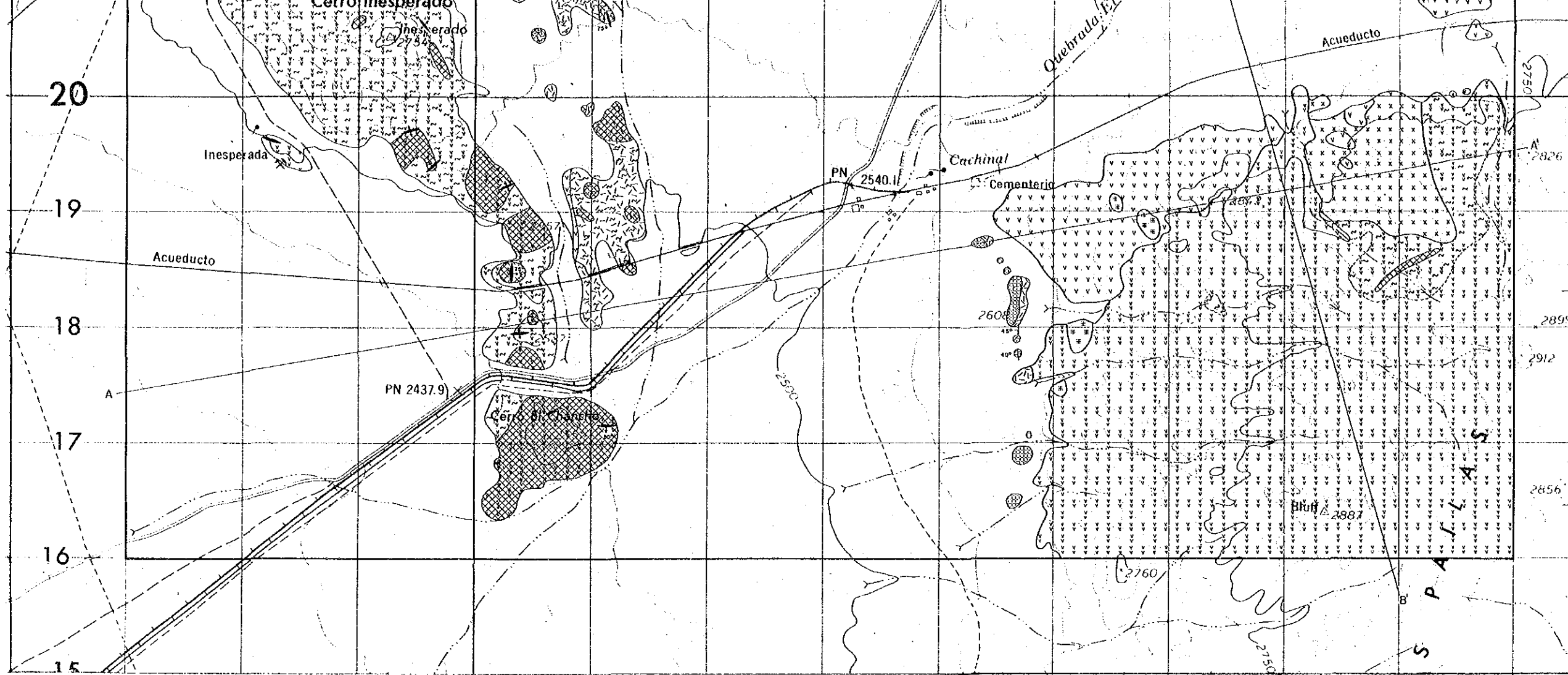


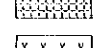
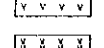
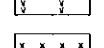
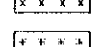
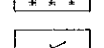
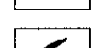
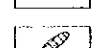
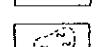

MAPA DE UBICACION

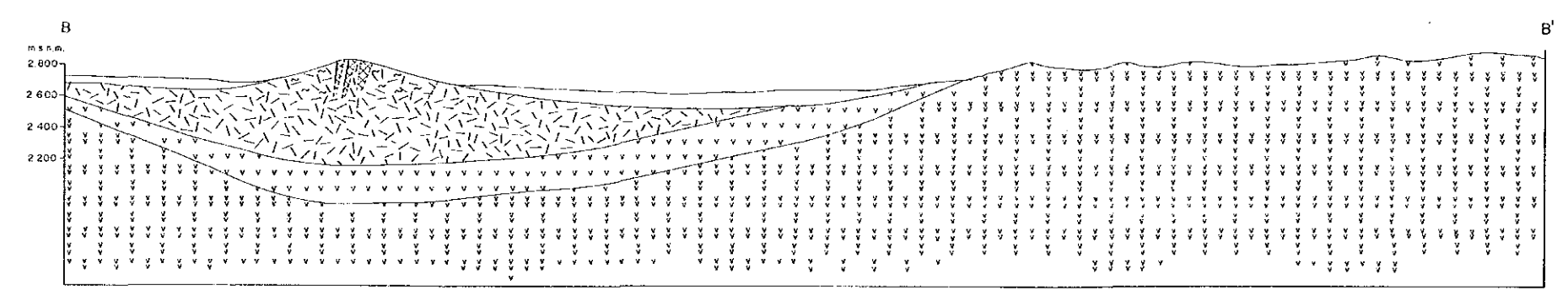
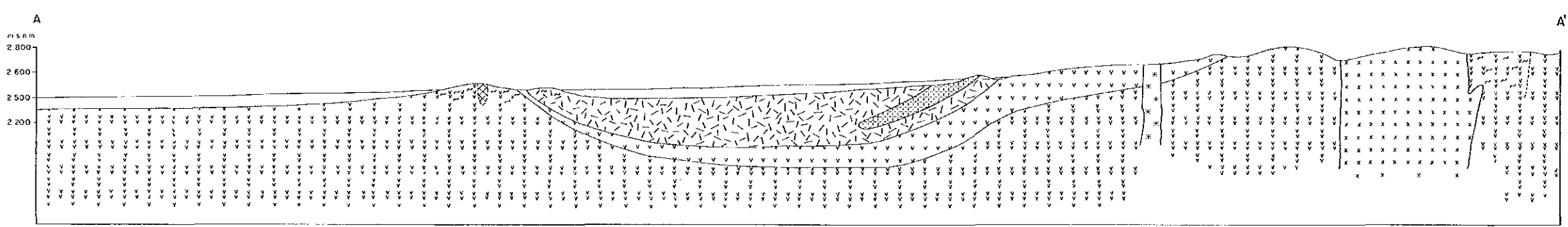


LEYENDA

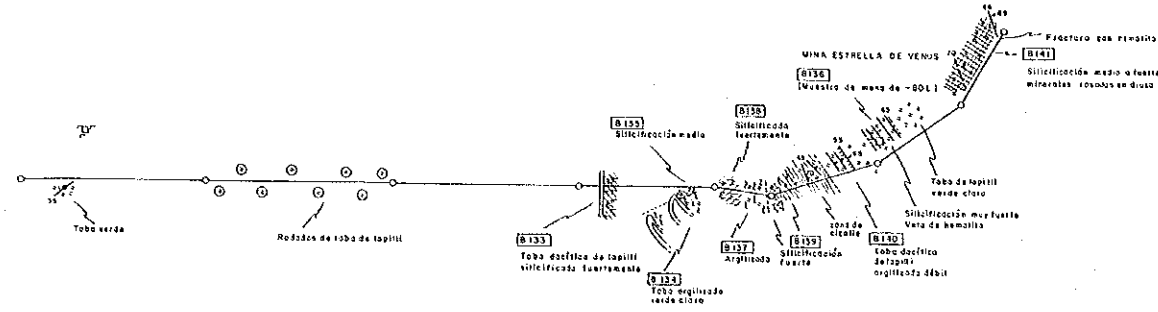
- Arenas y gravas
- Riolitas
- Tubos dacíticos
- Dacitos
- Andesitas afanítico
- Andesitas porfírica
- Pórfido cuarífero
- Dique dacítico
- Rumbo y manto
- Veta
- Silicificación
- Argilización



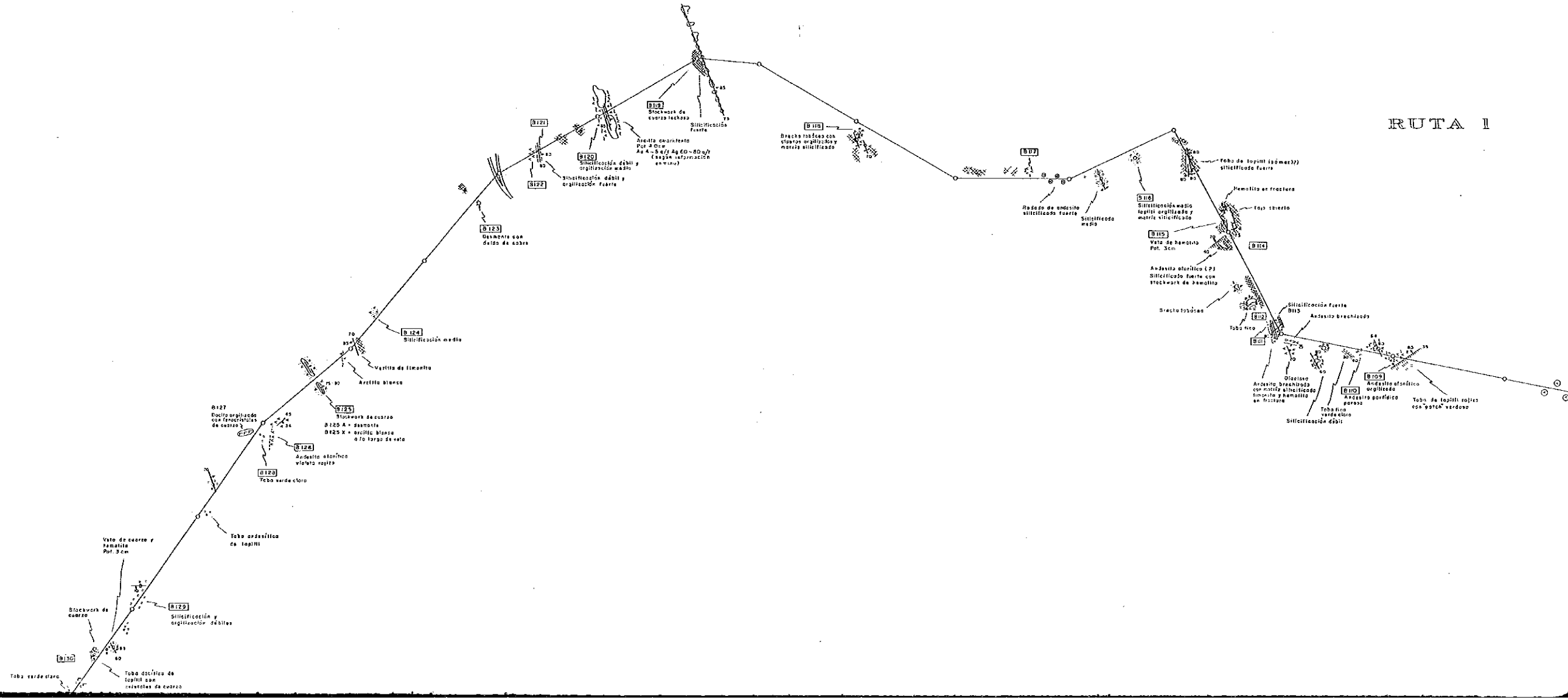
-  Dacitas
-  Andesitas ofanico
-  Andesitas porfirico
-  Párfido cuarçifero
-  Dique dacítico
-  Rumbo y monteo
-  Veta
-  Silicificación
-  Argilización



RUUTA 2



RUUTA 1

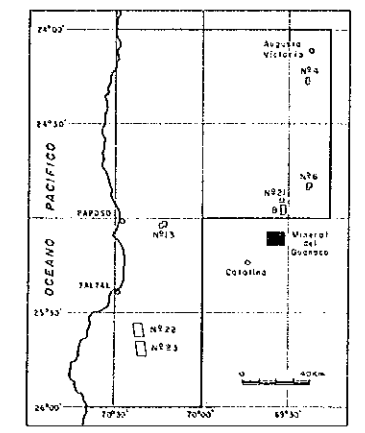


ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE  
CROQUIS DE RUTAS  
DE MINERAL DEL GUANACO

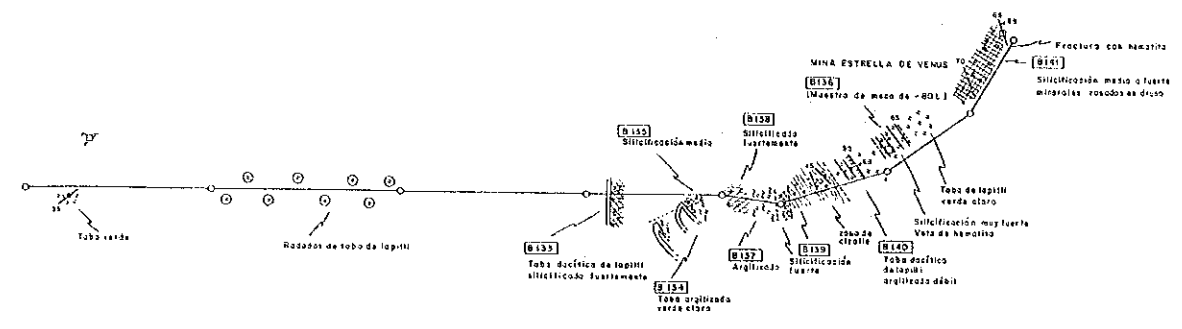
No. 1  
ESCALA 1:2.000



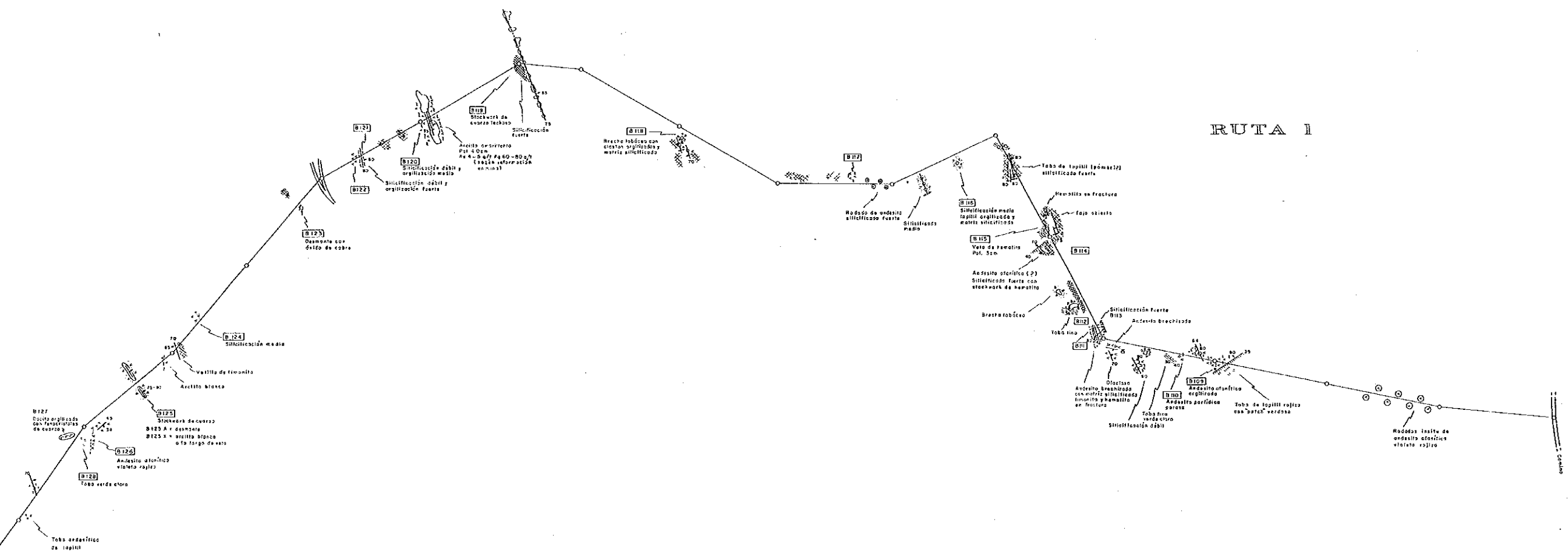
MAPA DE UBICACION



RU 2

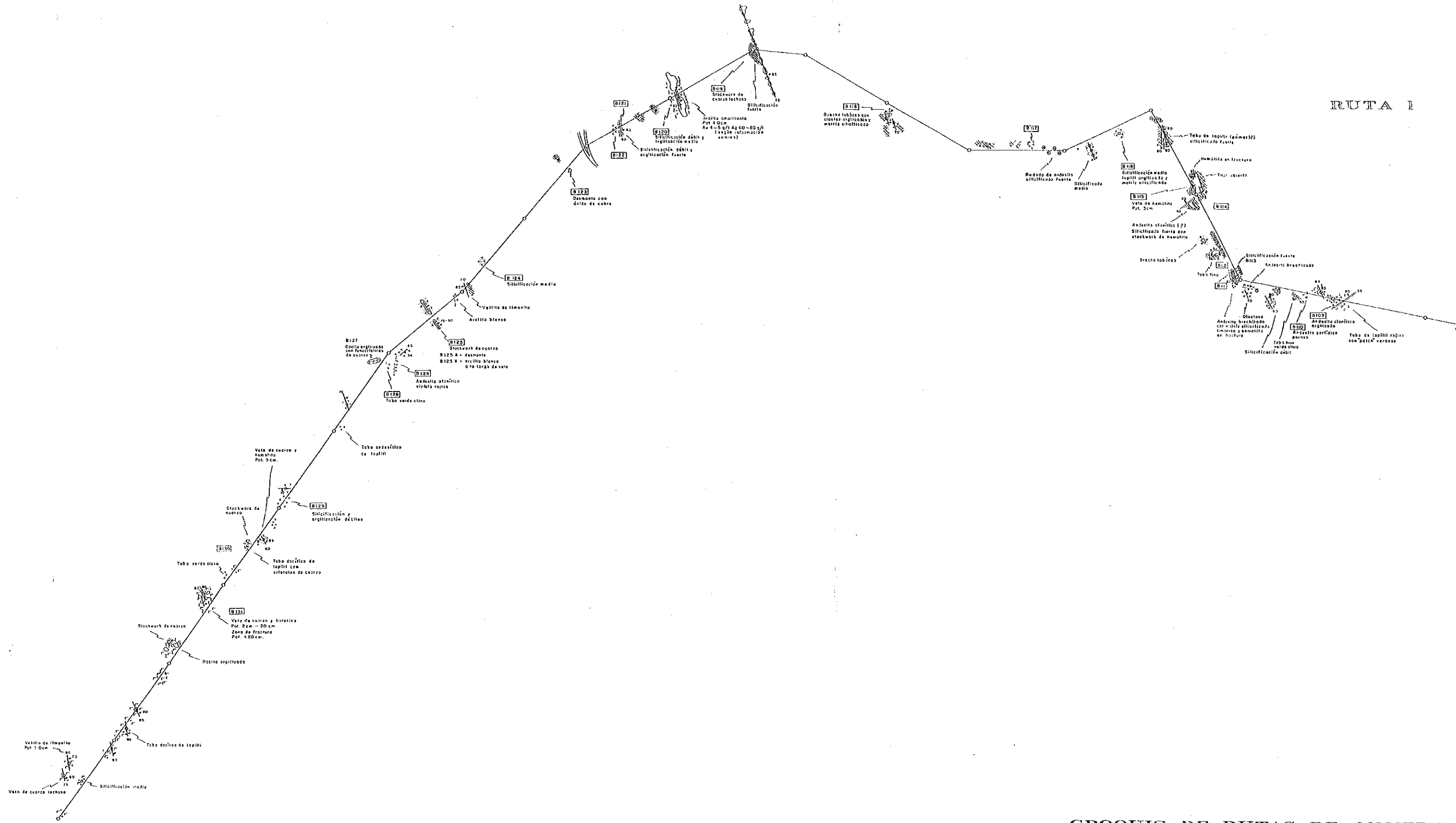


RU 1

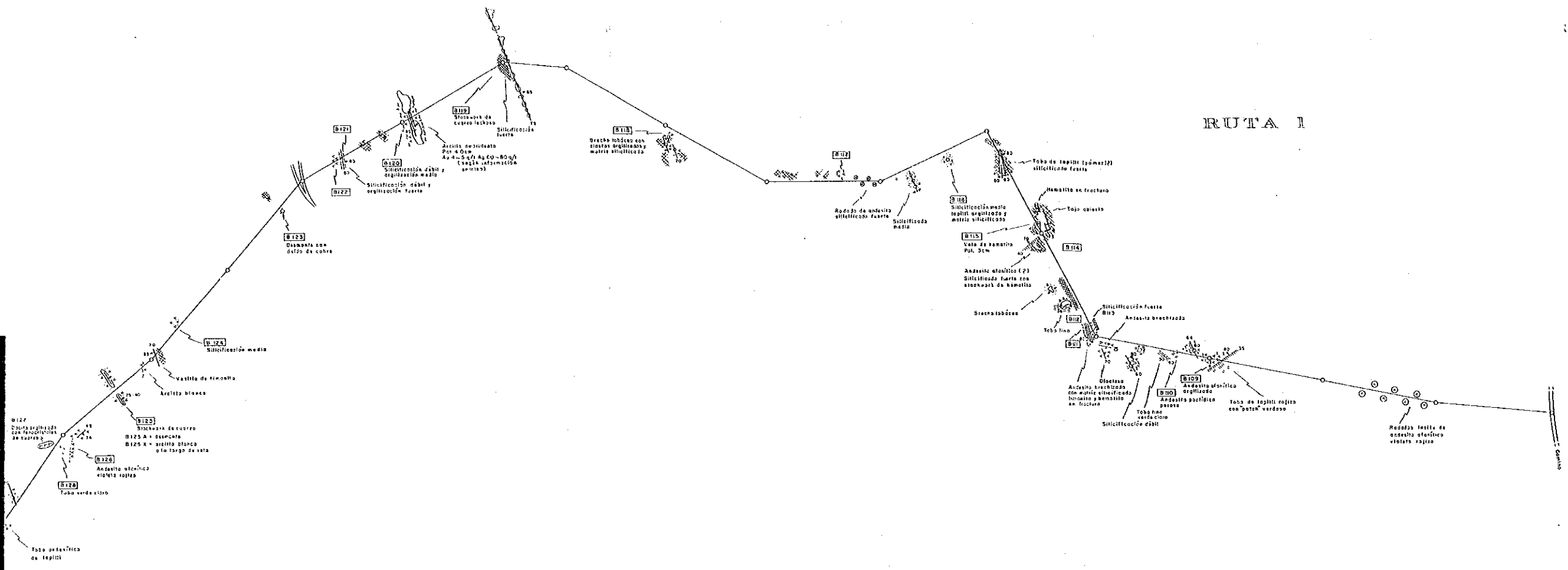


silicificación y  
Hidrotal 263114

RUTA I



CROQUIS DE RUTAS DE MINERAL

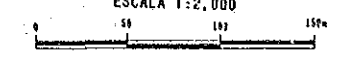


RUTA 1

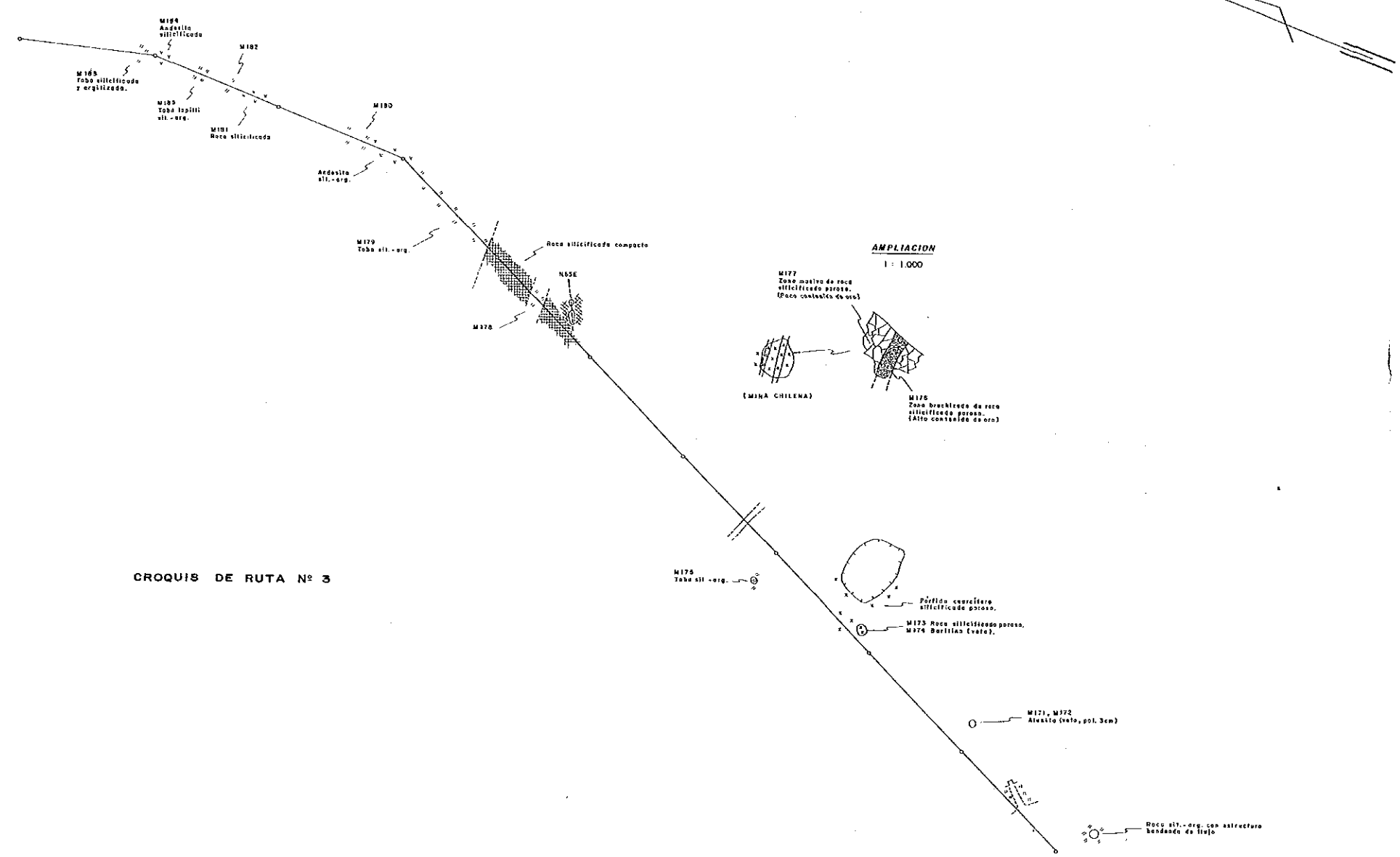
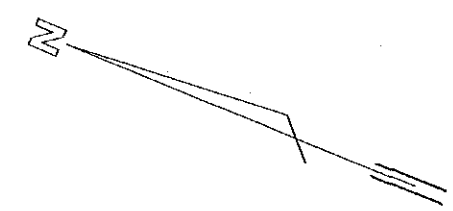
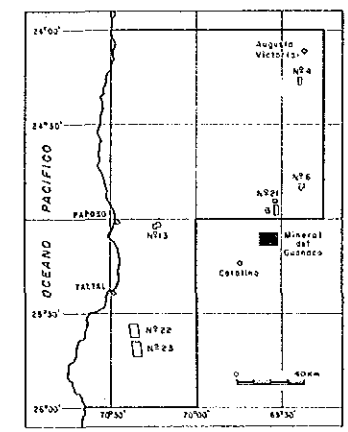
CROQUIS DE RUTAS DE MINERAL DEL GUANACO

ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE  
**CROQUIS DE RUTAS**  
**DE MINERAL DEL GUANACO**

No. 2  
ESCALA 1:2,000



MAPA DE UBICACION

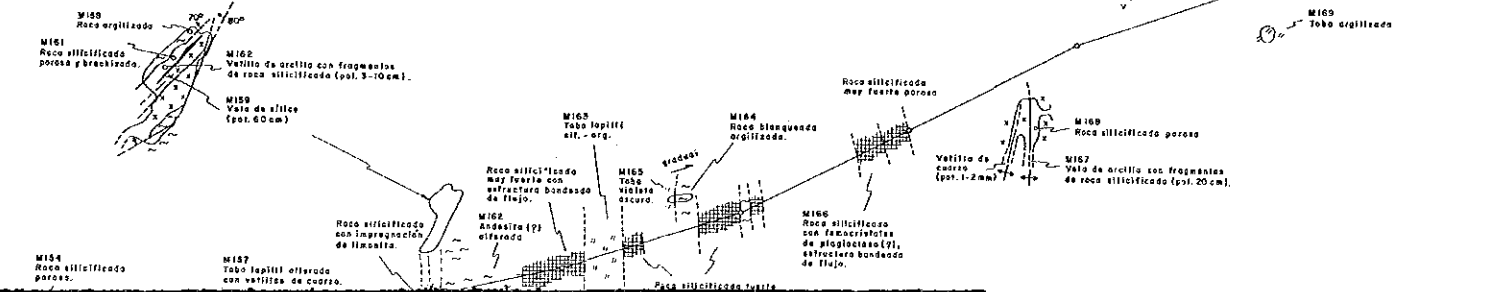


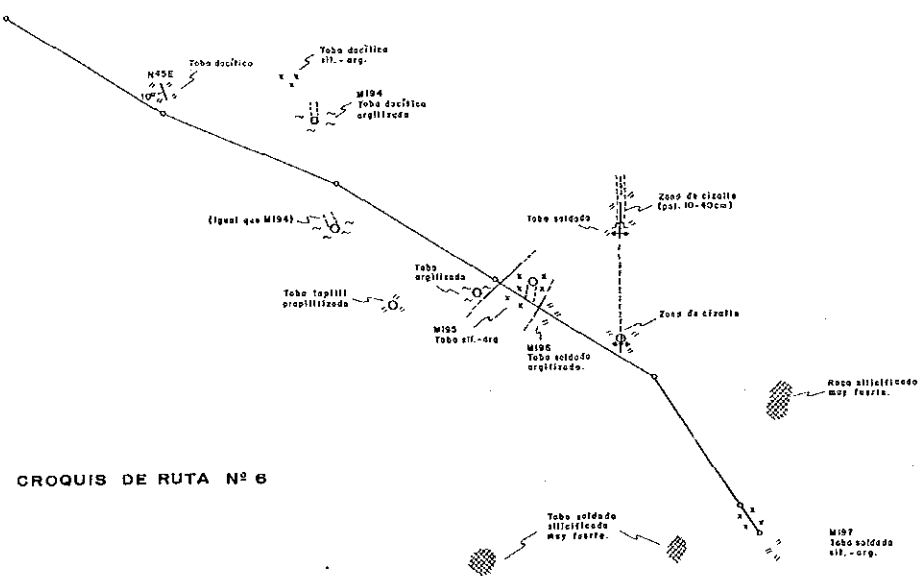
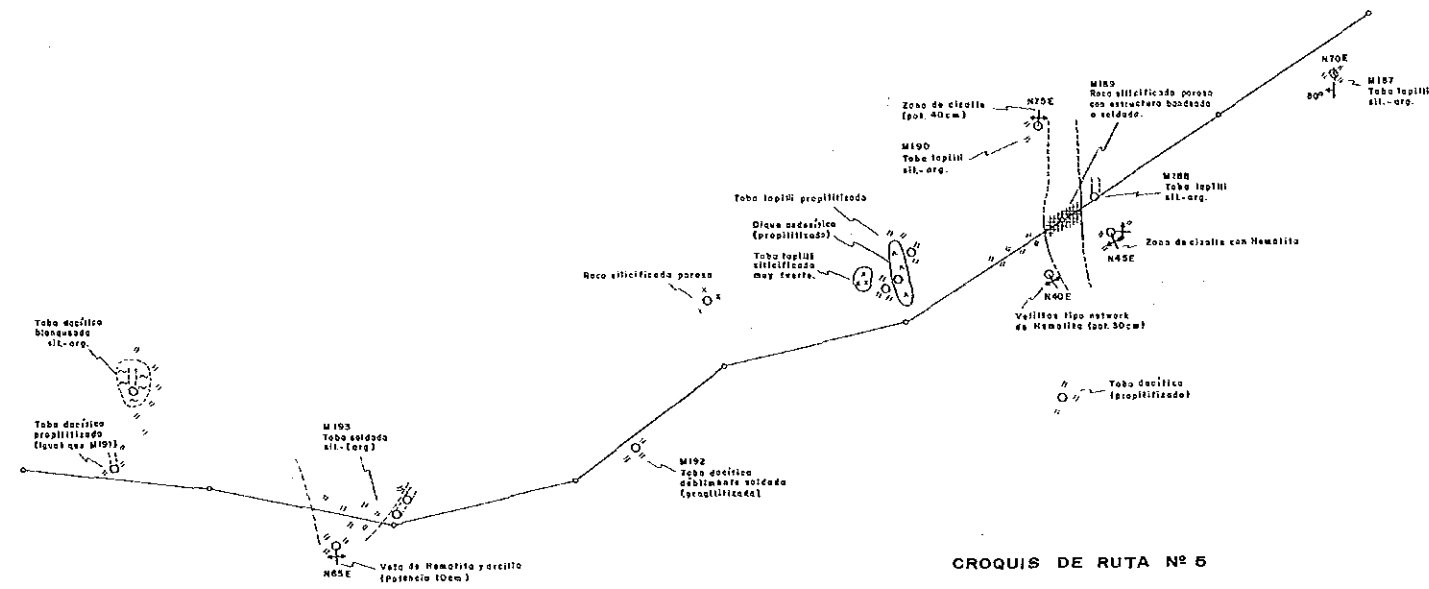
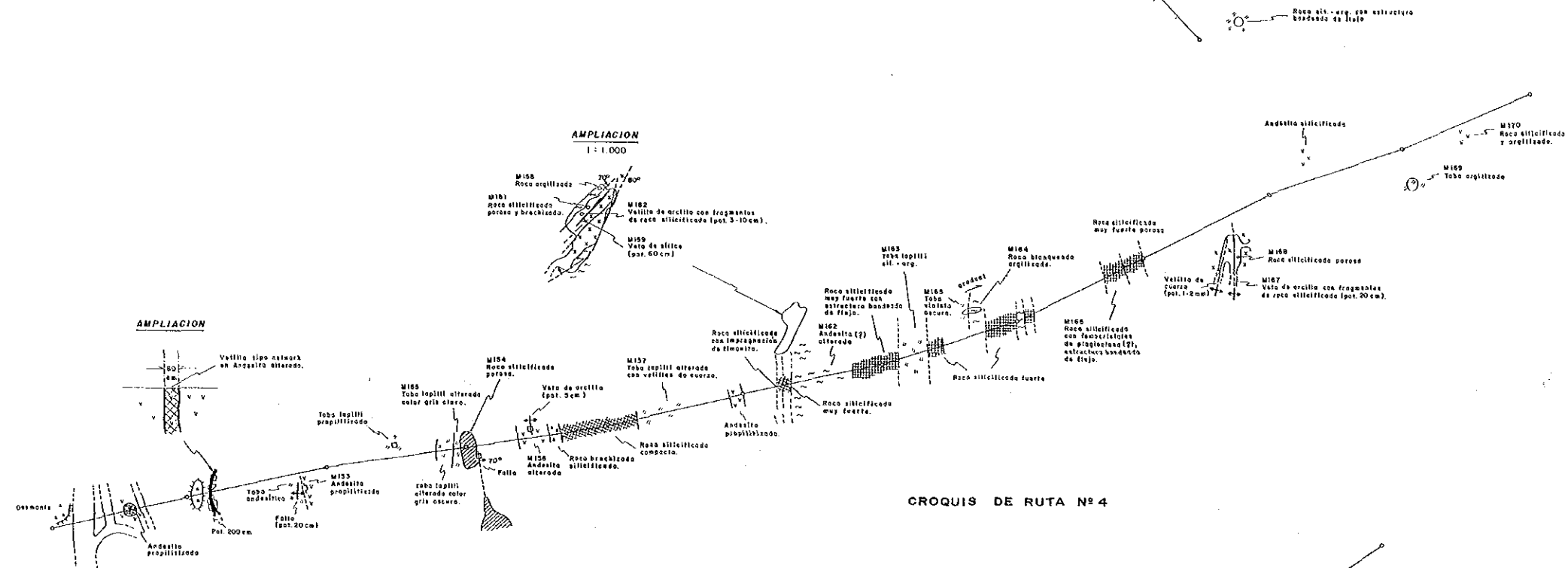
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AMPLIACION  
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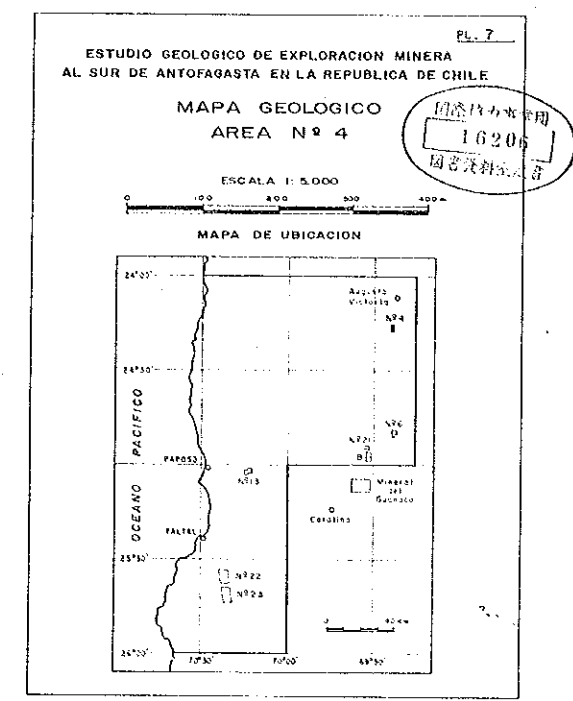
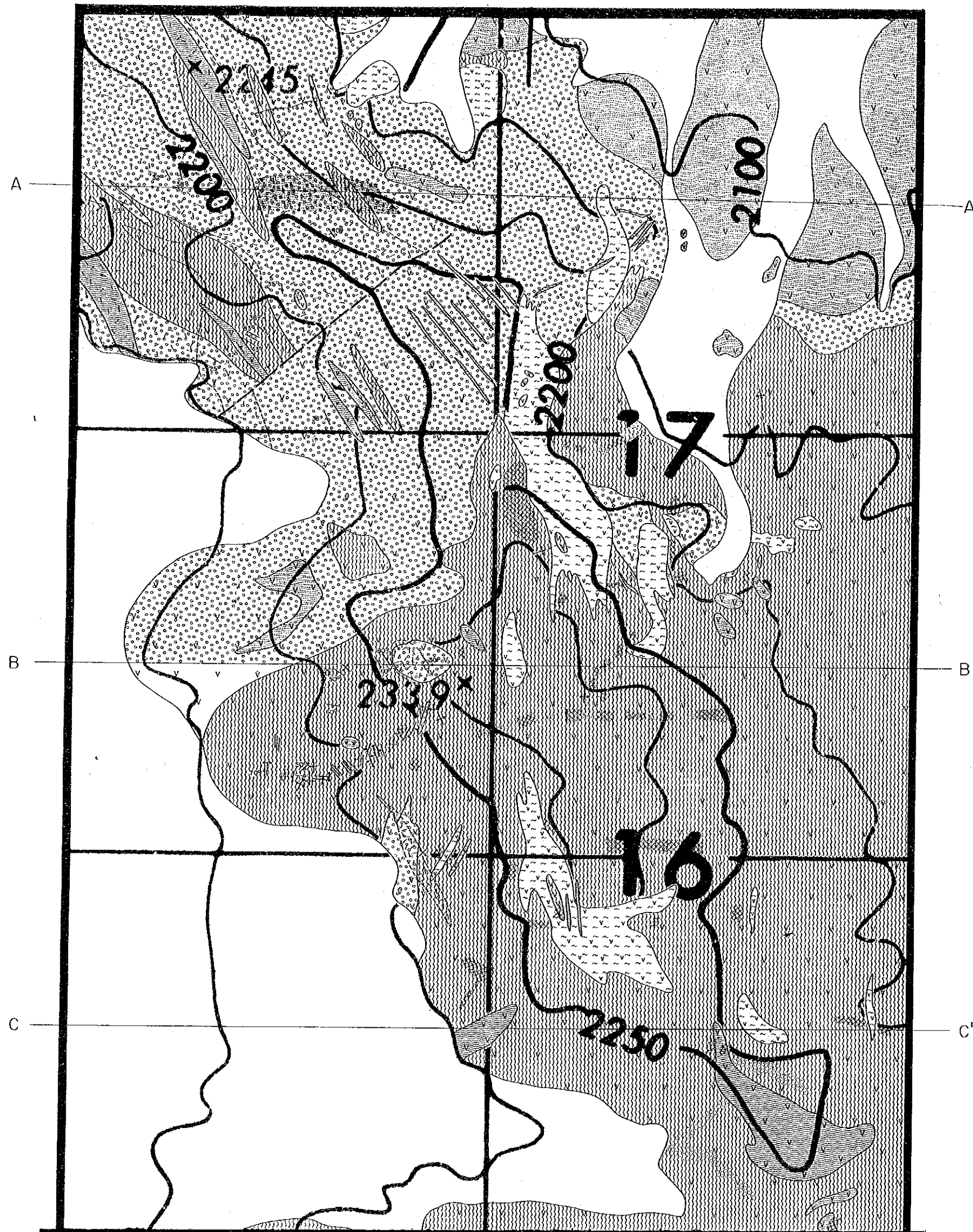
AMPLIACION  
1:1,000

AMPLIACION

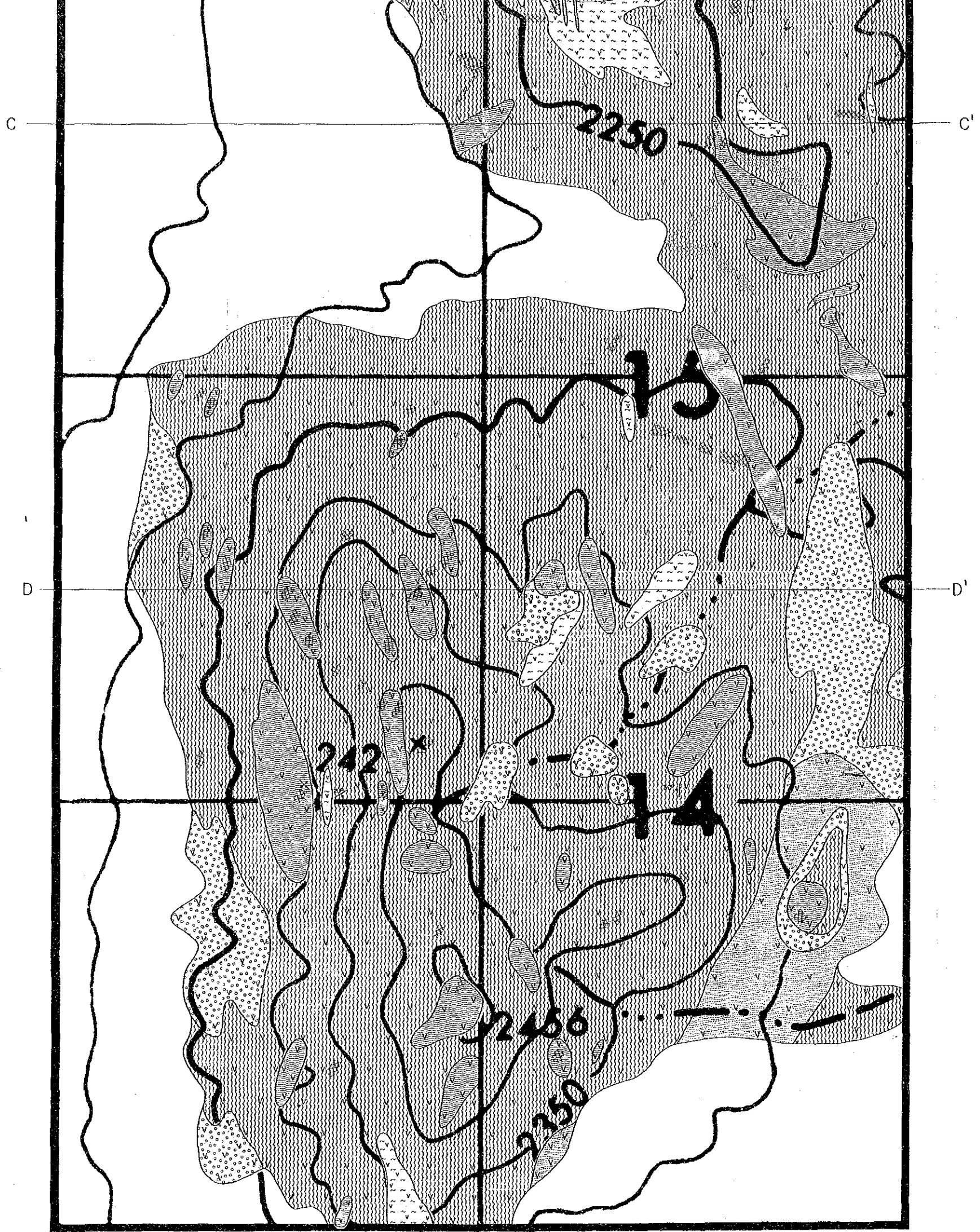




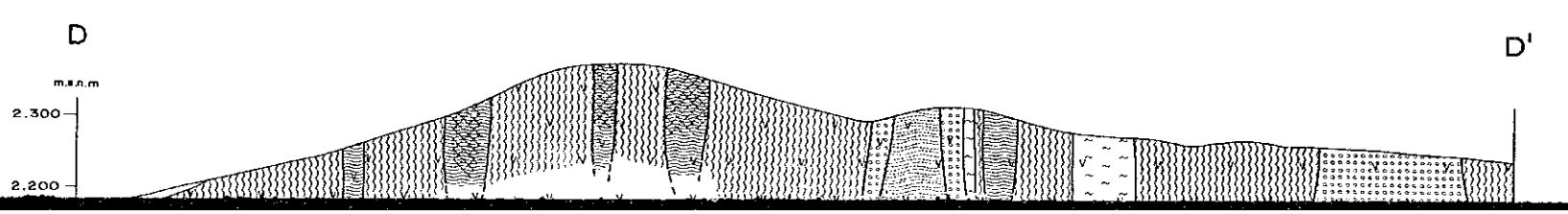
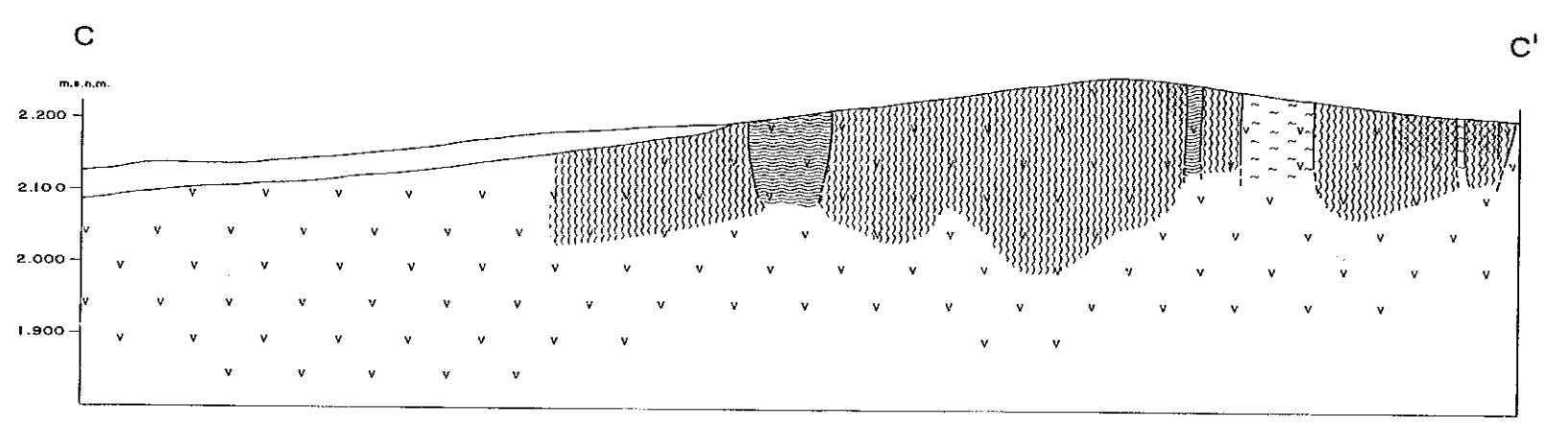
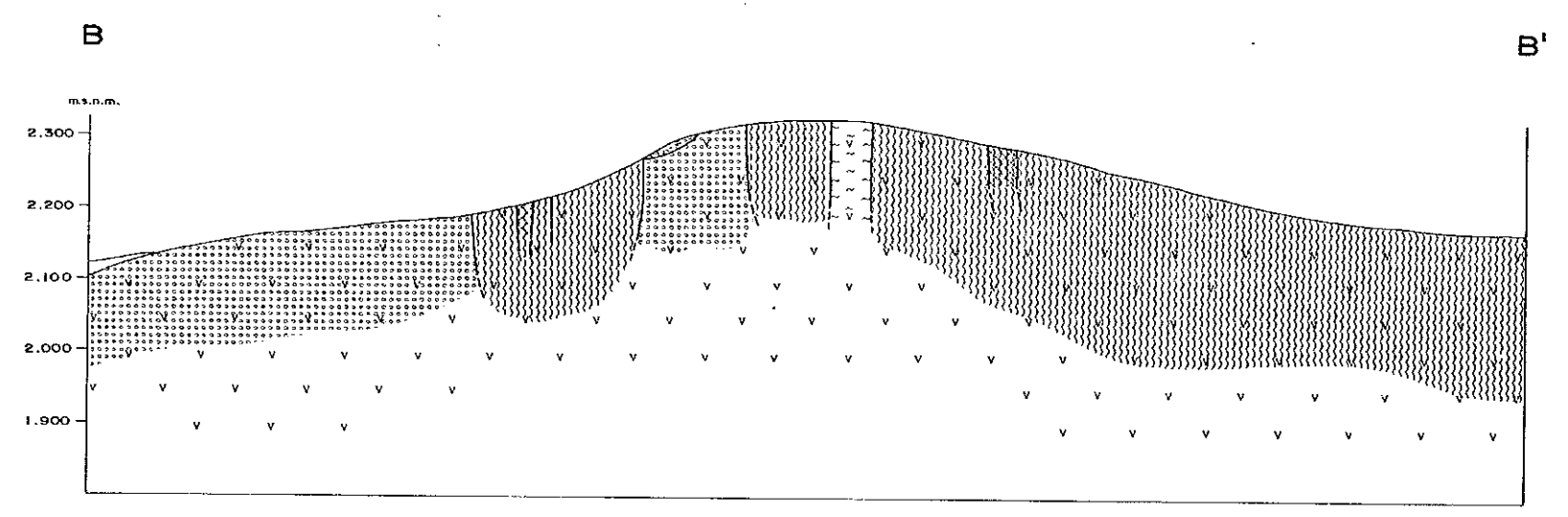
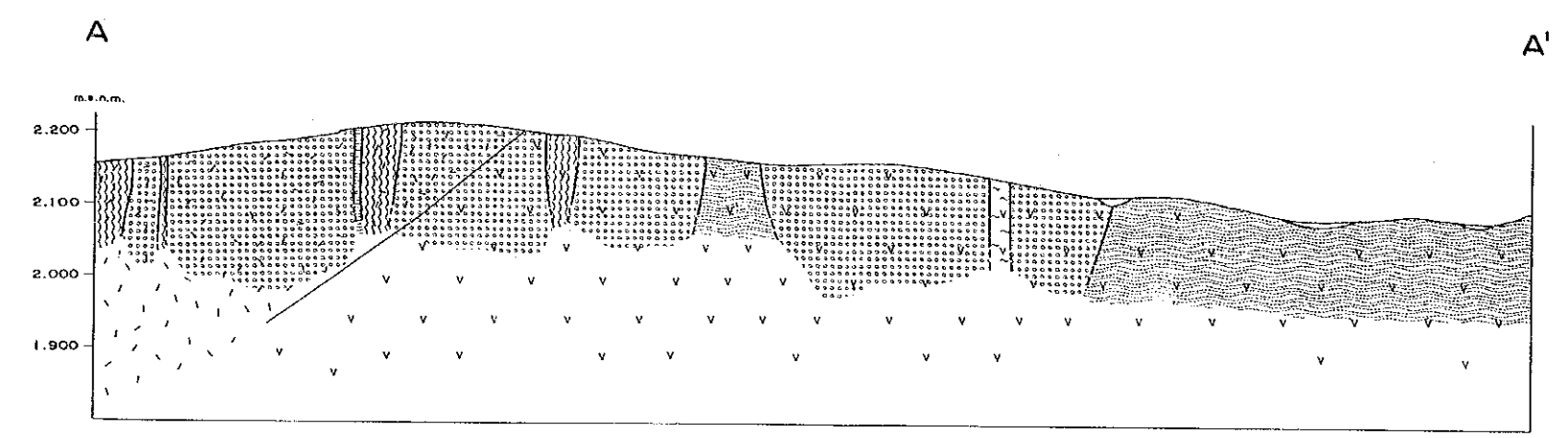
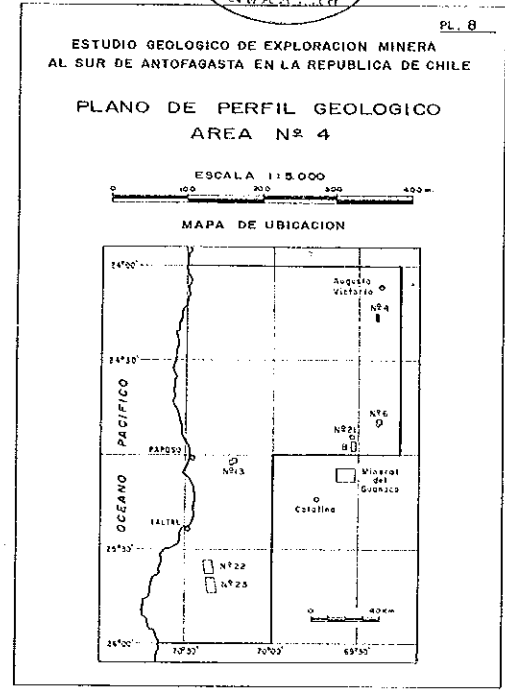




- LEYENDA
- Arenas y gravas
  - Tobas andesiticas
  - Andesitas
  - Vetillas tipo "Network"
  - Vetillas tipo preferencial
  - Impregnacion de limonita
  - Zona silicificada
  - Zona argilizada gris
  - Zona argilizada amarilla
  - Zona argilizada gris verdoso claro
  - Zona argilizada verde oscuro
  - Rumbo y nanteo

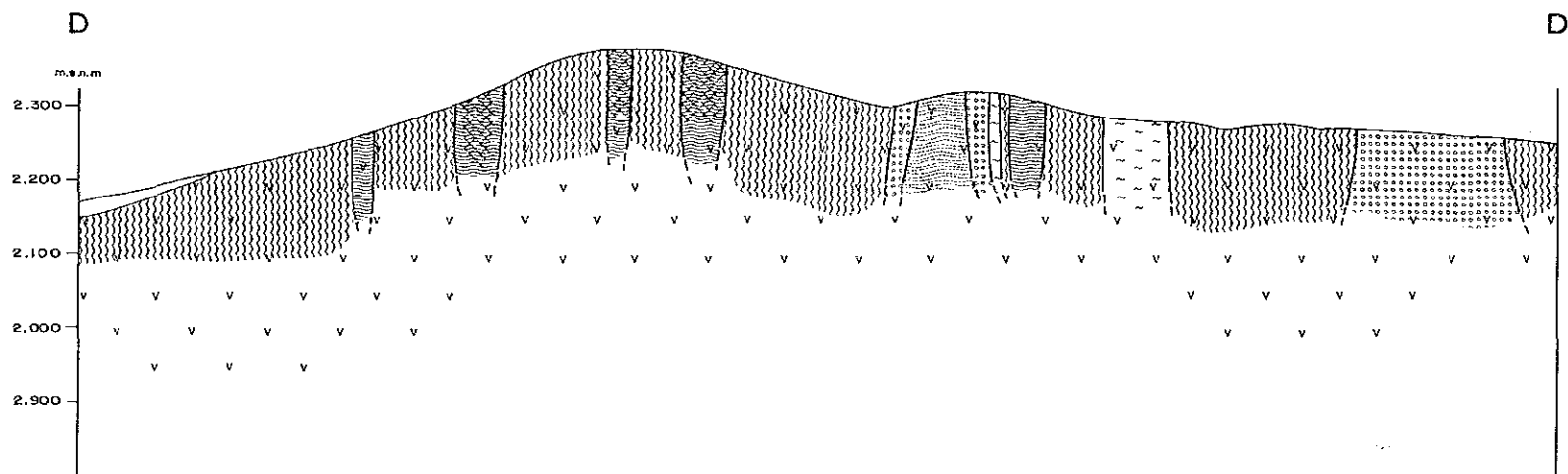
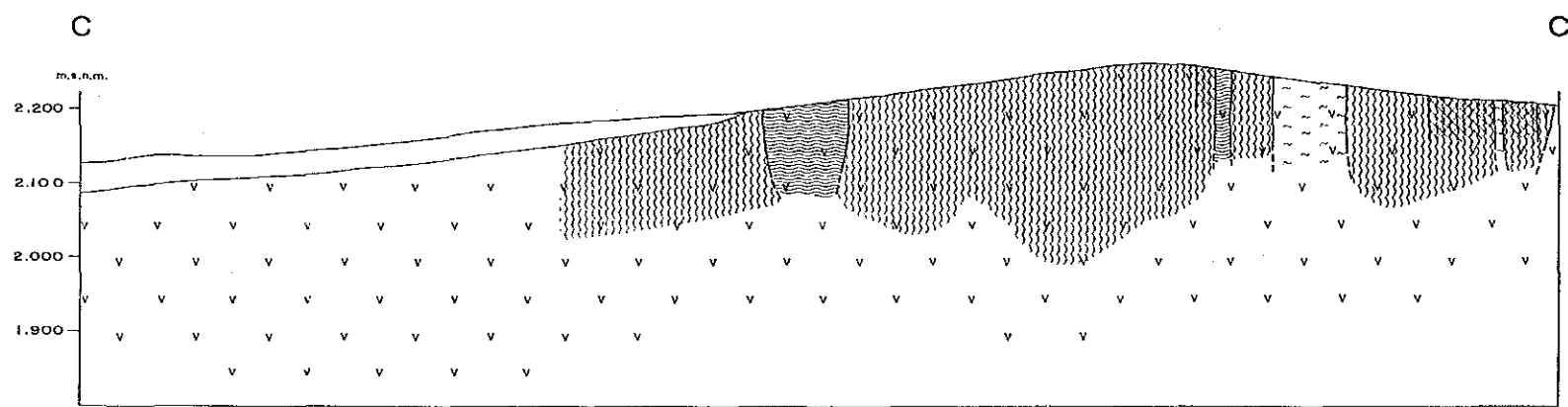
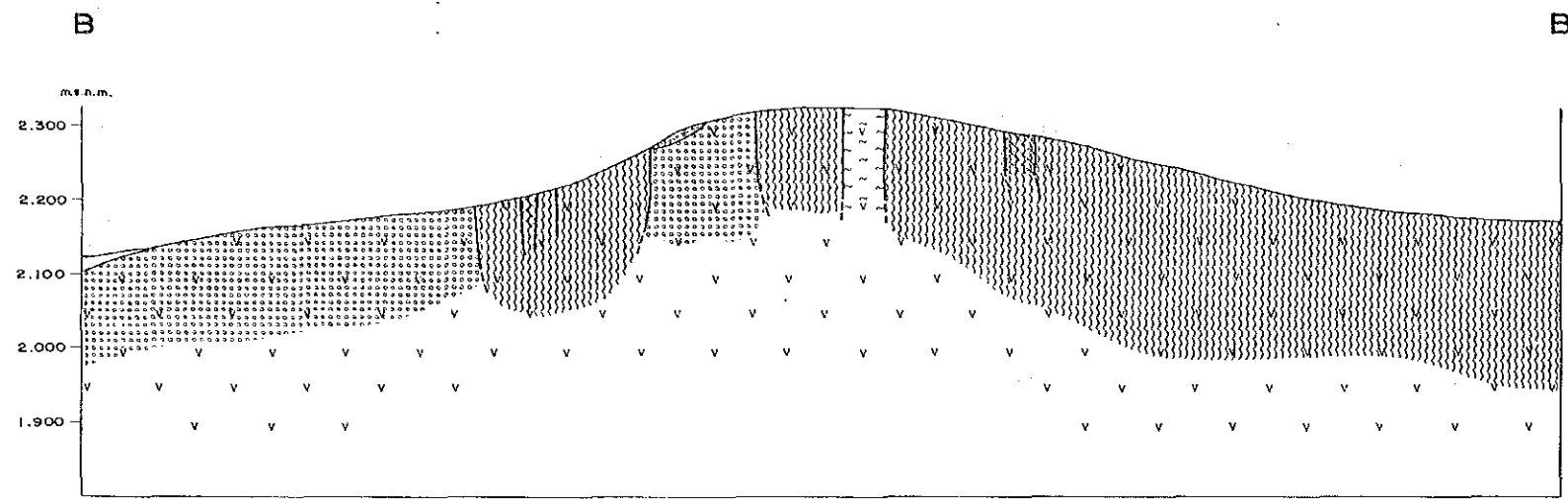
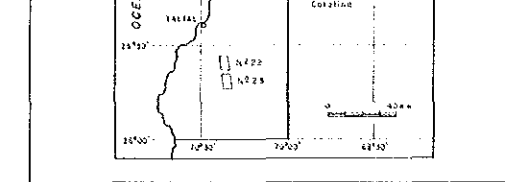
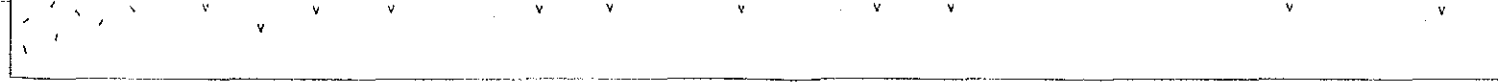


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LEYENDA

-  Arenas y gravas
-  Tobas andesíticas
-  Andesitas
-  Vetillas tipo "Network"
-  Vetillas tipo preferencial
-  Impregnacion de linonita
-  Zona silicificada
-  Zona argilizada gris
-  Zona argilizada amarilla
-  Zona argilizada gris verdoso claro
-  Zona argilizada verde oscuro

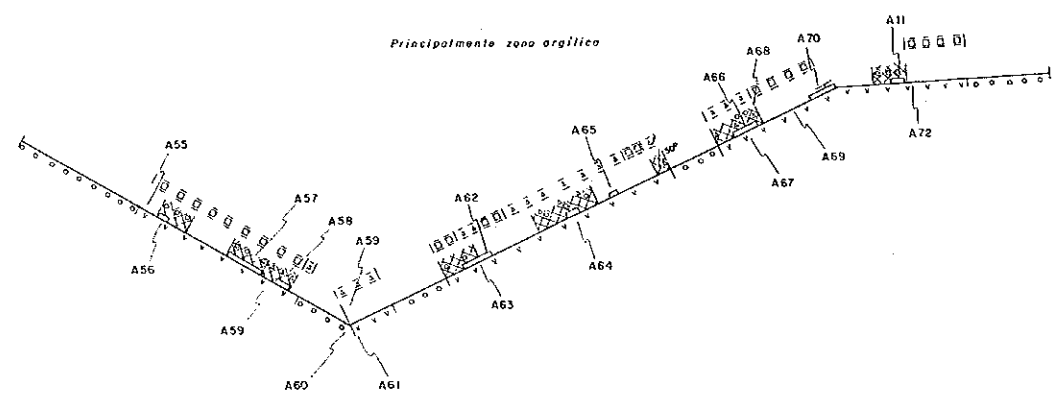


**LEYENDA**

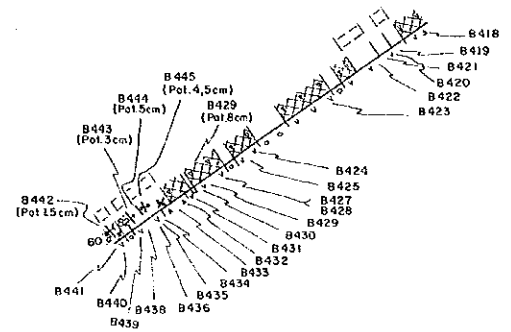
- Arenas y gravas
- Tobs andesiticas
- Andesitas
- Vetillas tipo "Network"
- Vetillas tipo preferencial
- Impregnacion de limonita
- Zona silicificada
- Zona argilizada gris
- Zona argilizada amarilla
- Zona argilizada gris verdoso claro
- Zona argilizada verde oscuro

N

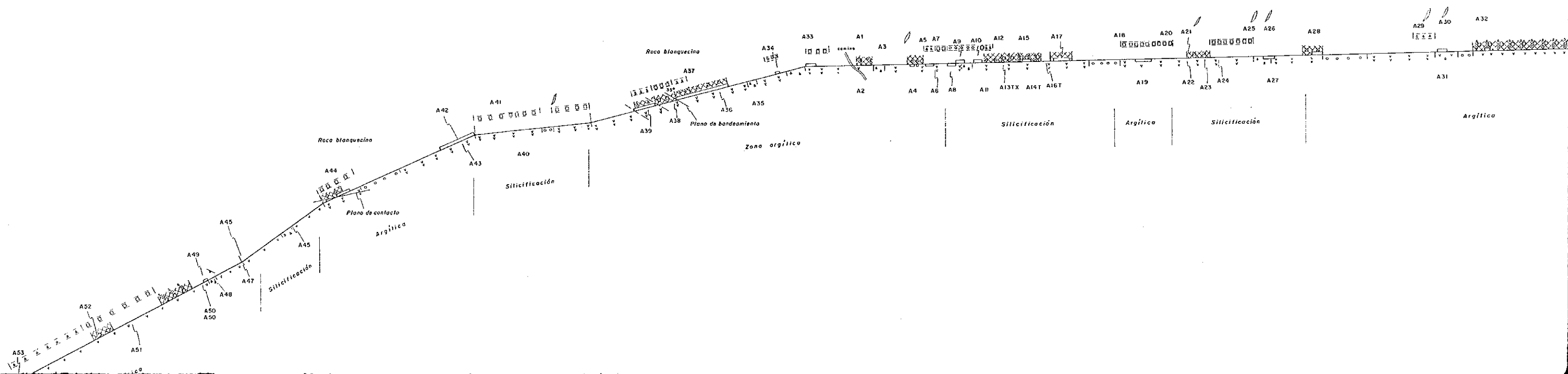
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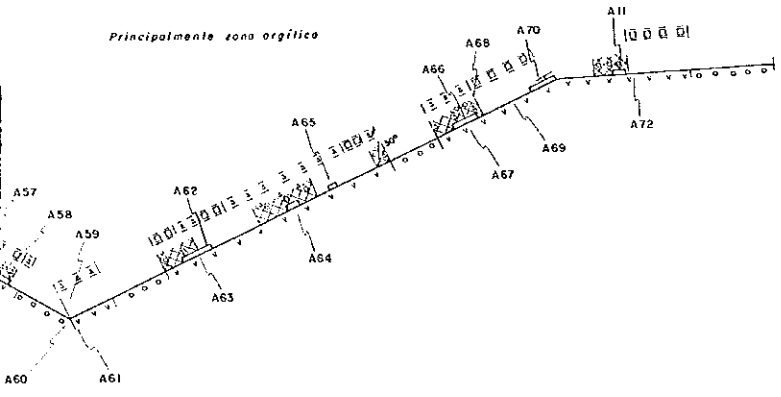
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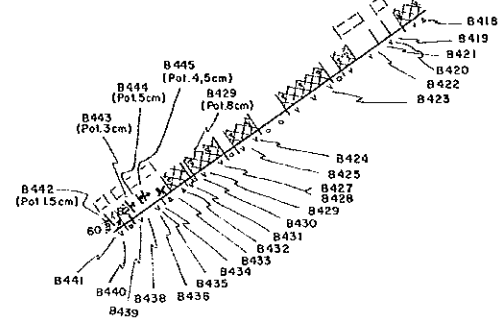
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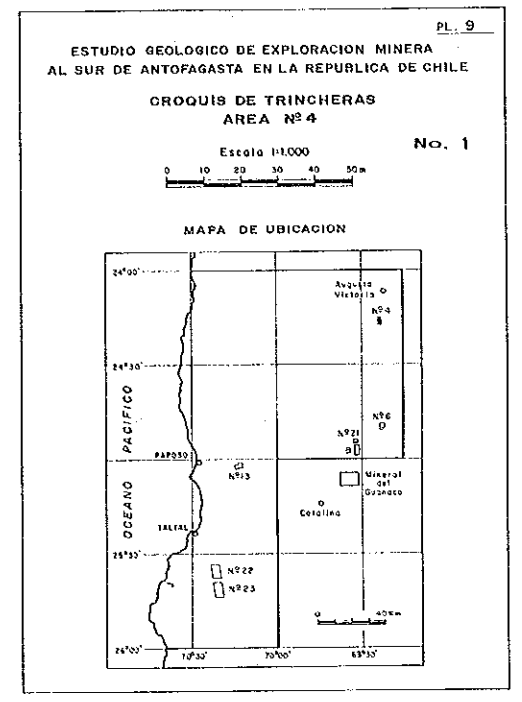
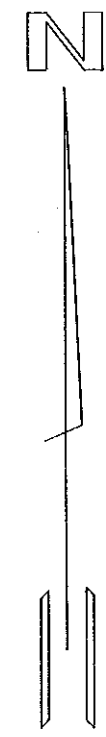
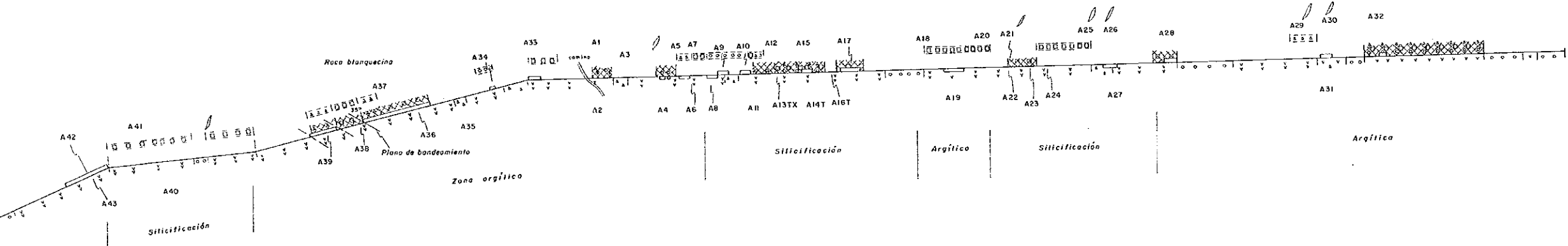
TRINCHERA "A-55"



TRINCHERA "I"



TRINCHERA "D"

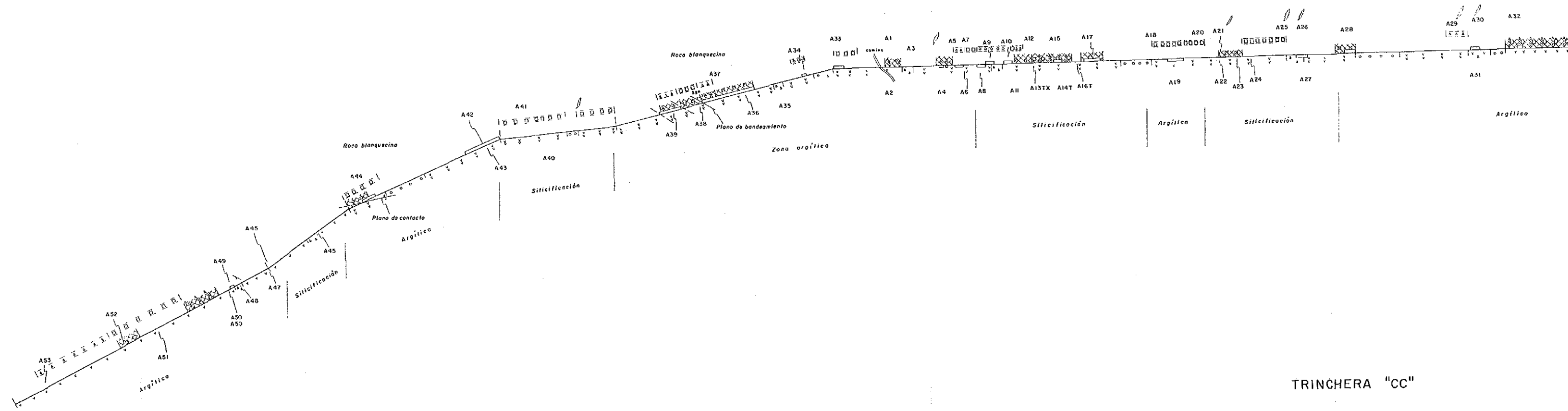


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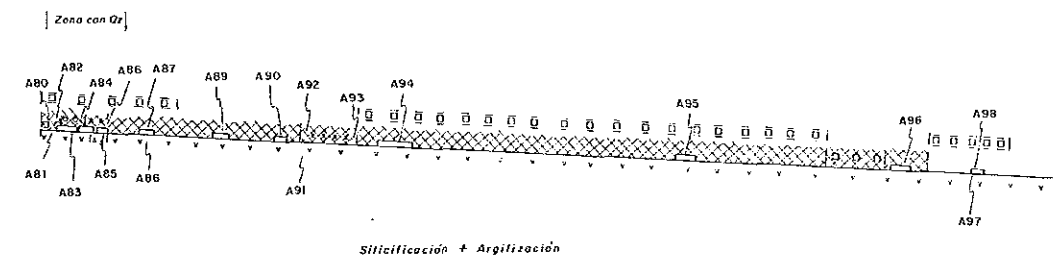
LEYENDA

- Andesita porfírica
- Roca afanítica indeterminada
- Coluvio
- Zona brechizada
- Vetillas tipo "network" con limonitas
- " " " " " " , principalmente geotita
- " " " " " " , principalmente hematita
- " " " " " " , principalmente jarosita
- " " " " " " con cuarzo y limonitas
- " " " " " " con cuarzo
- " " " " " " con cuarzo y halo de alteración metasomática
- Vetillas de rumbo preferencial con limonitas
- " " " " " " , principalmente geotita
- " " " " " " , " hematita
- " " " " " " , " jarosita
- " " " " " " con cuarzo y limonitas
- " " " " " " con cuarzo
- Impregnación de limonitas
- " " " " " " , principalmente geotita
- " " " " " " , " hematita
- " " " " " " , " jarosita
- Oquedades abiertas y rellenas
- Sistema principal de fractura
- Zona de fracturamiento
- Sector de recolección de muestra geoquímica

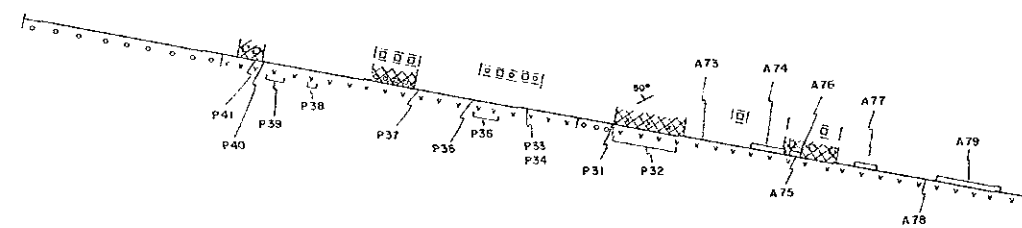
TRINCHERA "D"



TRINCHERA "CC"

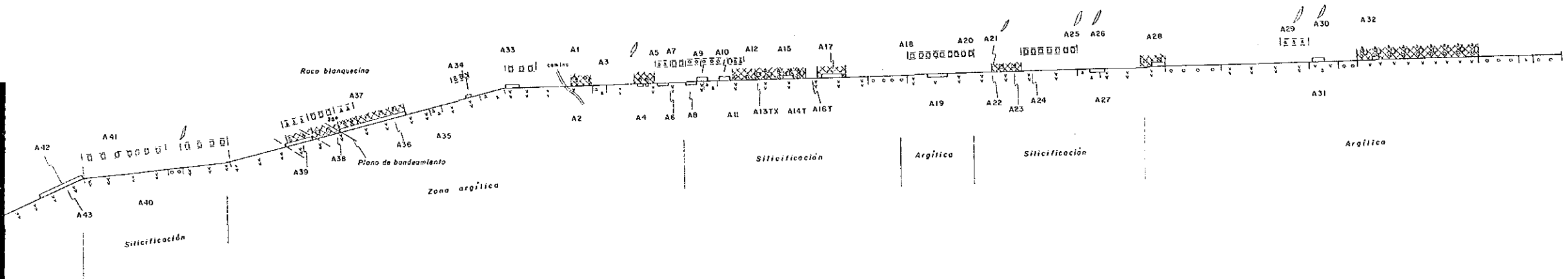


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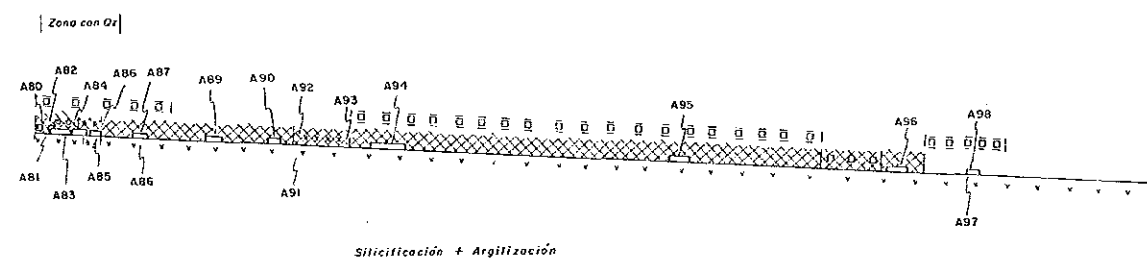




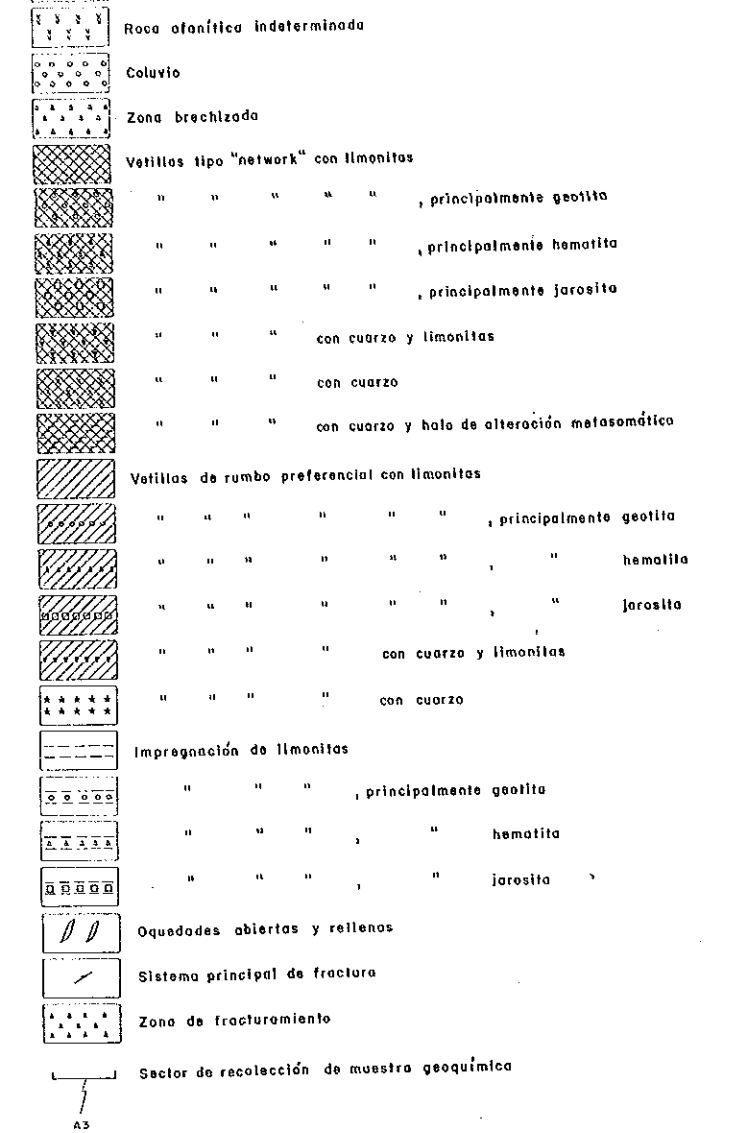
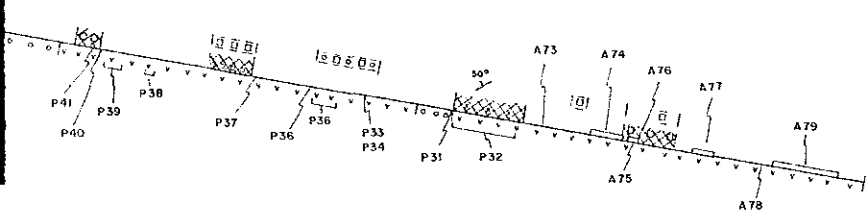
TRINCHERA "D"



TRINCHERA "CC"

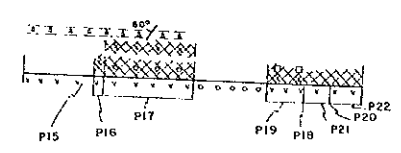


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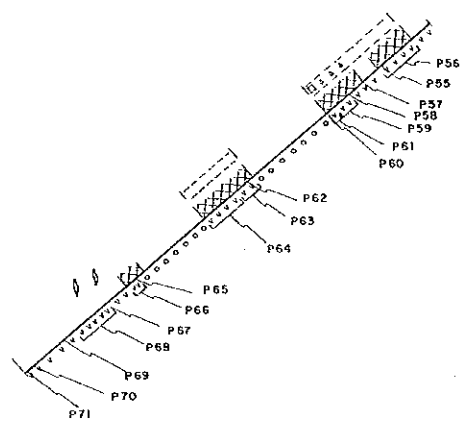




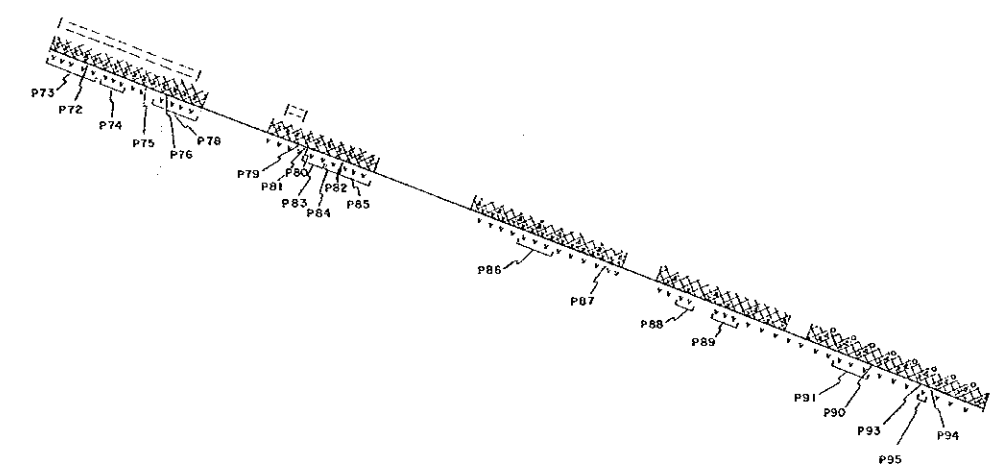
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TRINCHERA "M"



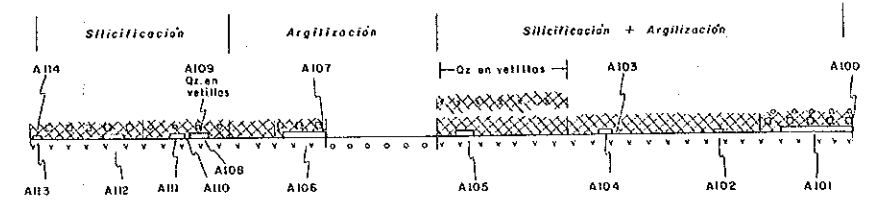
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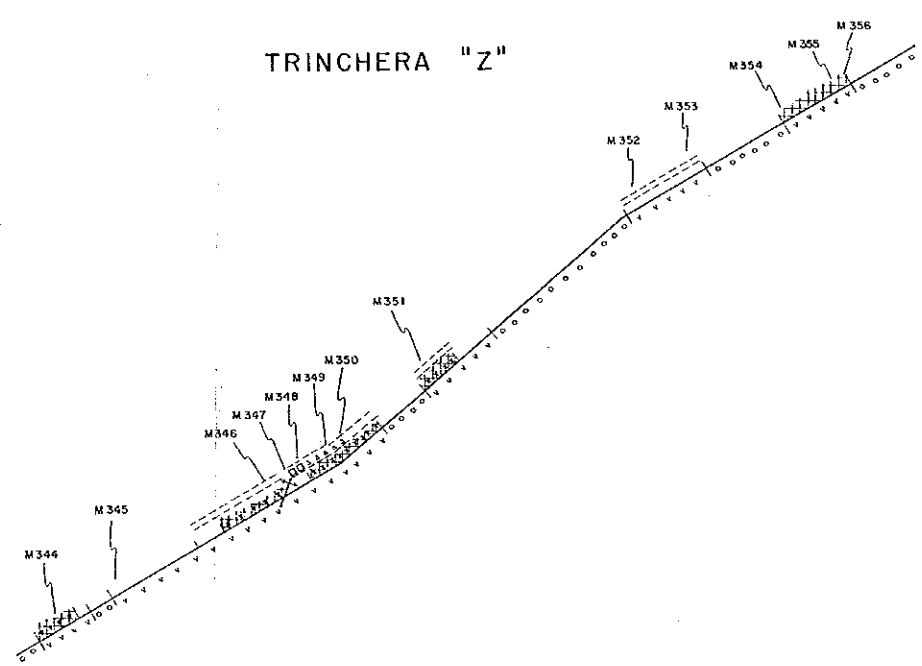
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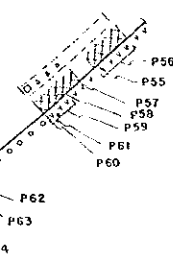


TRINCHERA "Z"



	Andesita p
	Roca afan
	Coluvio
	Zona breca
	Vetillas tis
	Vetillas de
	Impregnaci
	Oquedades
	Sistema pri
	Zona de fr
	Sector de r

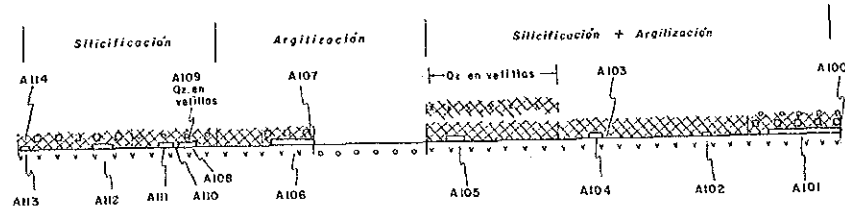
HERA "M"



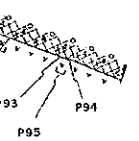
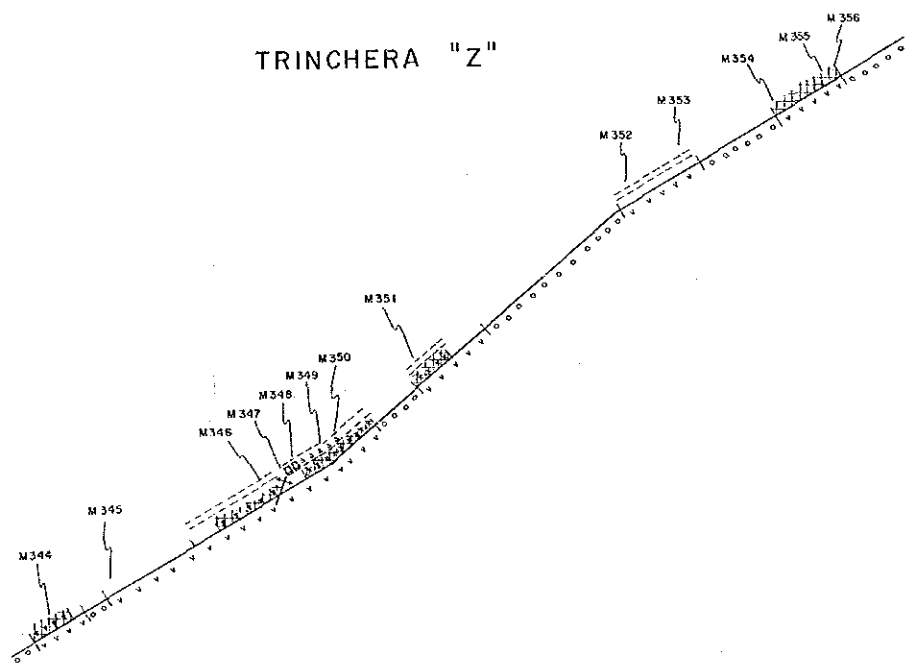
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TRINCHERA "A"



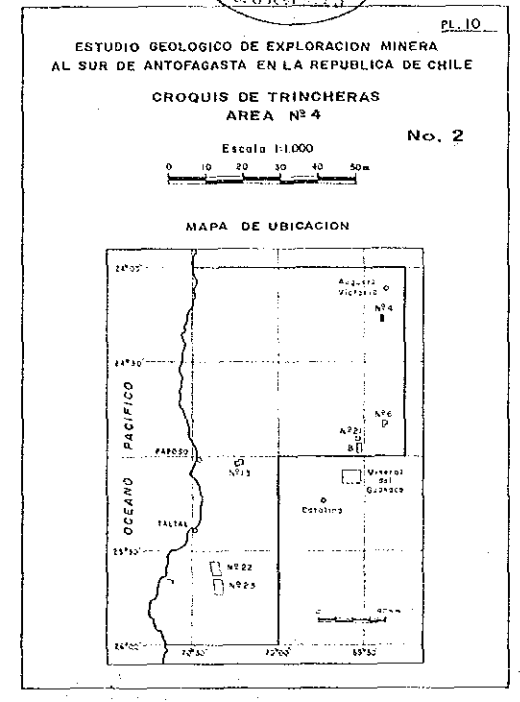
TRINCHERA "Z"



LEYENDA

	Andesita porfírica
	Reco afanítica indeterminado
	Coluvio
	Zona brechizada
	Vetillas tipo "network" con limonitas
	" " " " " " , principalmente goetita
	" " " " " " , principalmente hematita
	" " " " " " , principalmente jarosita
	" " " " " " con cuarzo y limonitas
	" " " " " " con cuarzo
	" " " " " " con cuarzo y halo de alteración metasomática
	Vetillas de rumbo preferencial con limonitas
	" " " " " " , principalmente goetita
	" " " " " " , " hematita
	" " " " " " , " jarosita
	" " " " " " con cuarzo y limonitas
	" " " " " " con cuarzo
	Impregnación de limonitas
	" " " " " " , principalmente goetita
	" " " " " " , " hematita
	" " " " " " , " jarosita
	Oquedades abiertas y rellenas
	Sistema principal de fractura
	Zona de fracturamiento
	Sector de recolección de muestra geoquímica

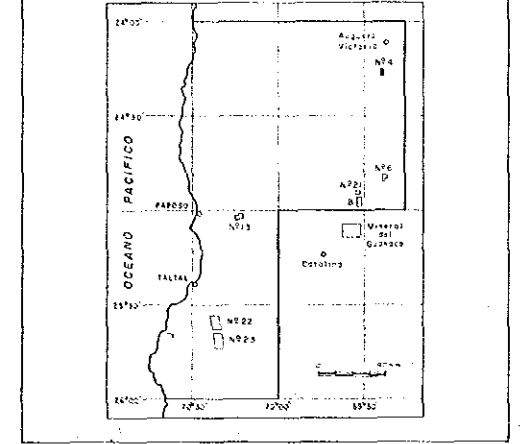
16206

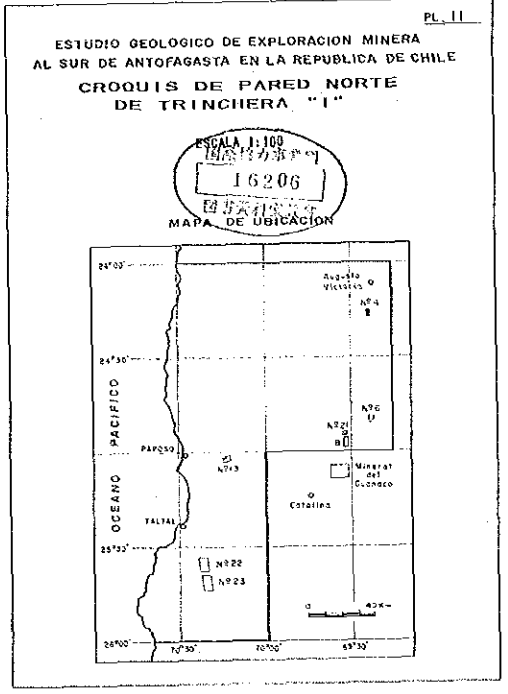
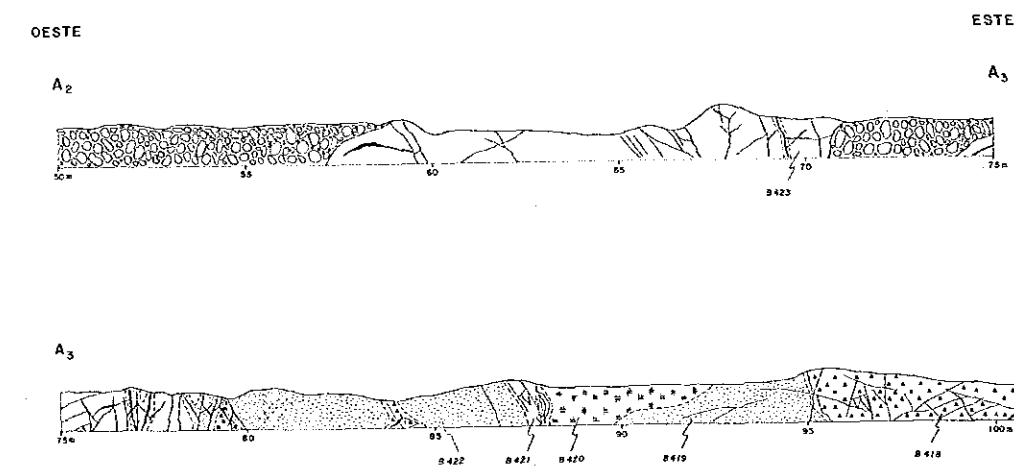
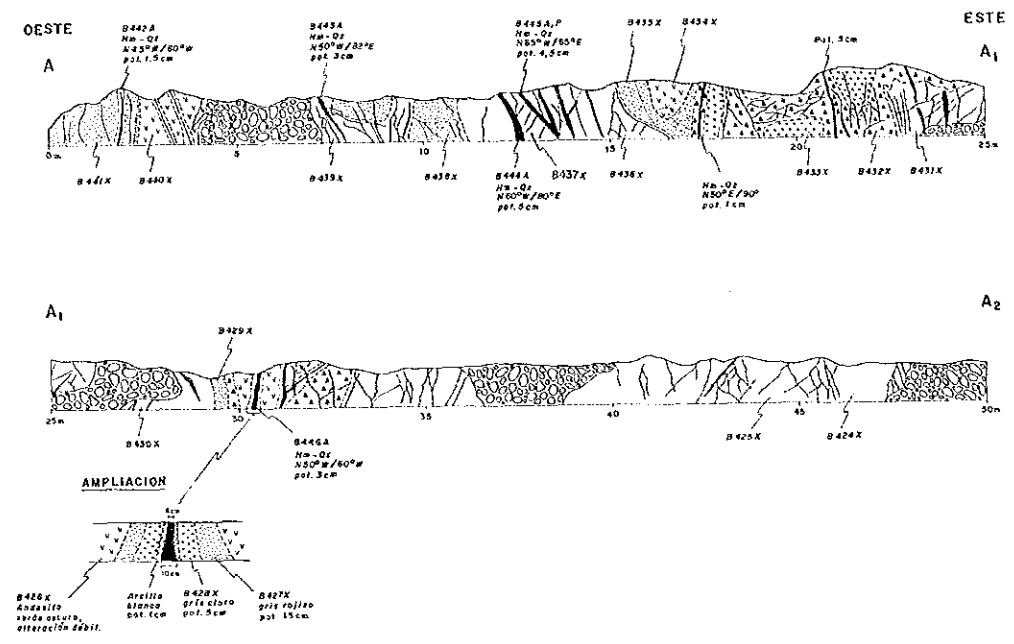


ESTUDIO GEOLOGICO DE EXPLORACION MINERA AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE









CROQUIS DE TRINCHERAS AREA N° 4 No. 2

MAPA DE UBICACION





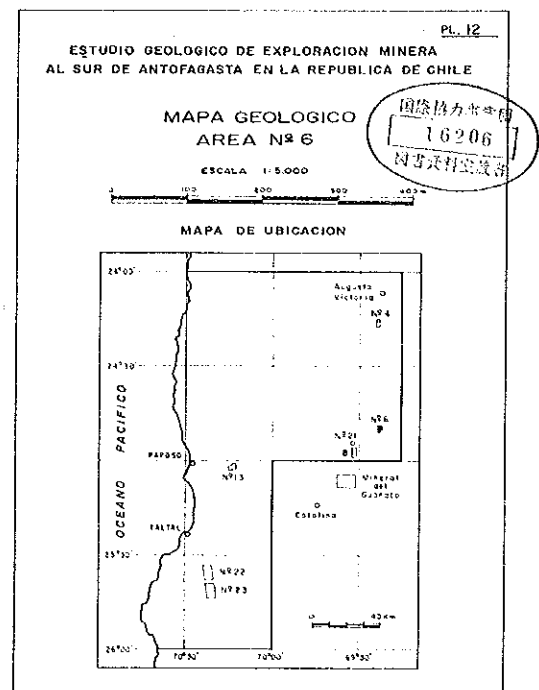
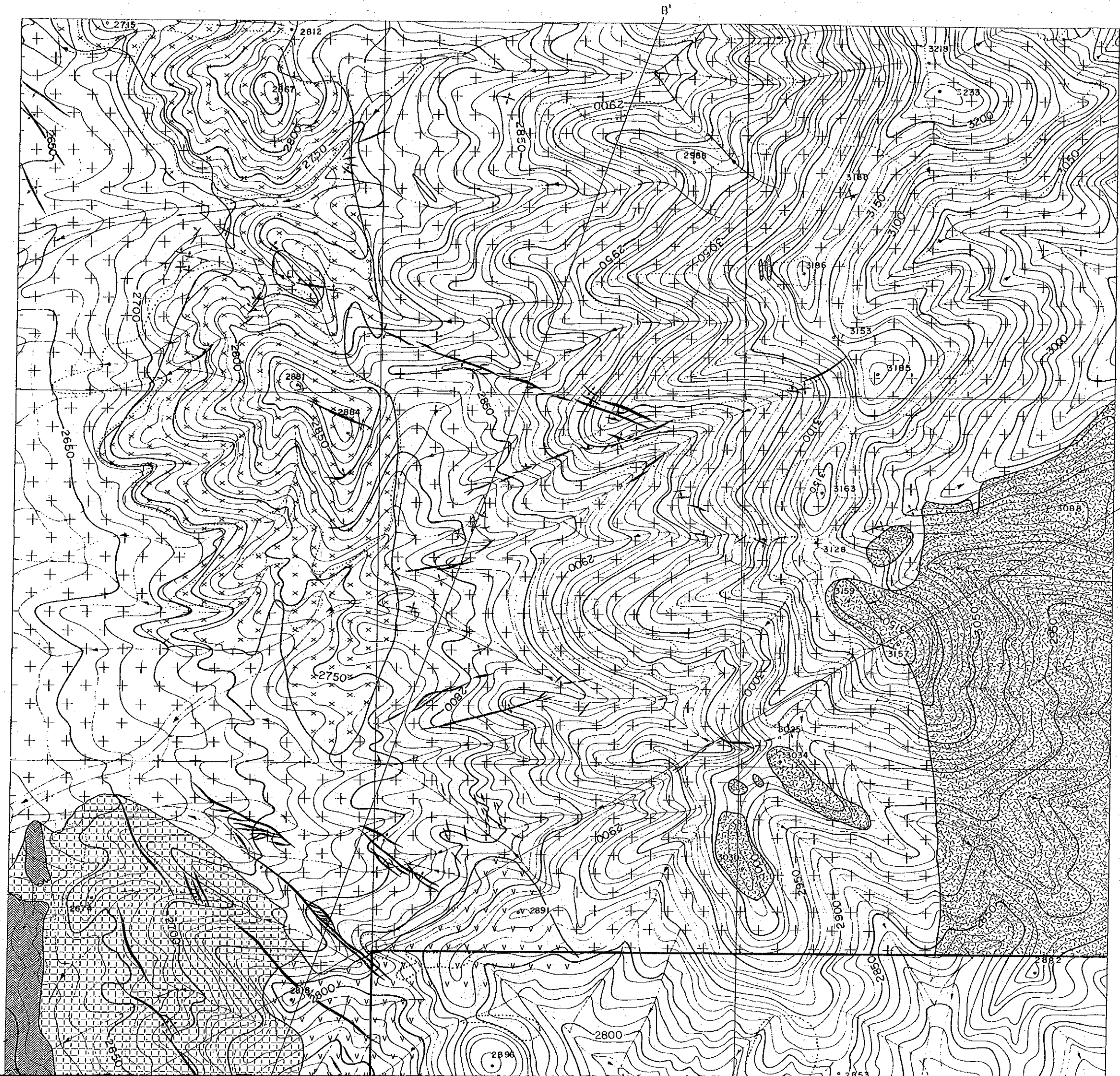
**LEYENDA**

-  Coluvio
-  Veta
-  Zona silicificada
-  Zona argilizada blanca
-  Zona argilizada gris
-  Zona argilizada amarilla clara
-  Zona argilizada gris verdoso claro
-  Zona argilizada verde oscuro

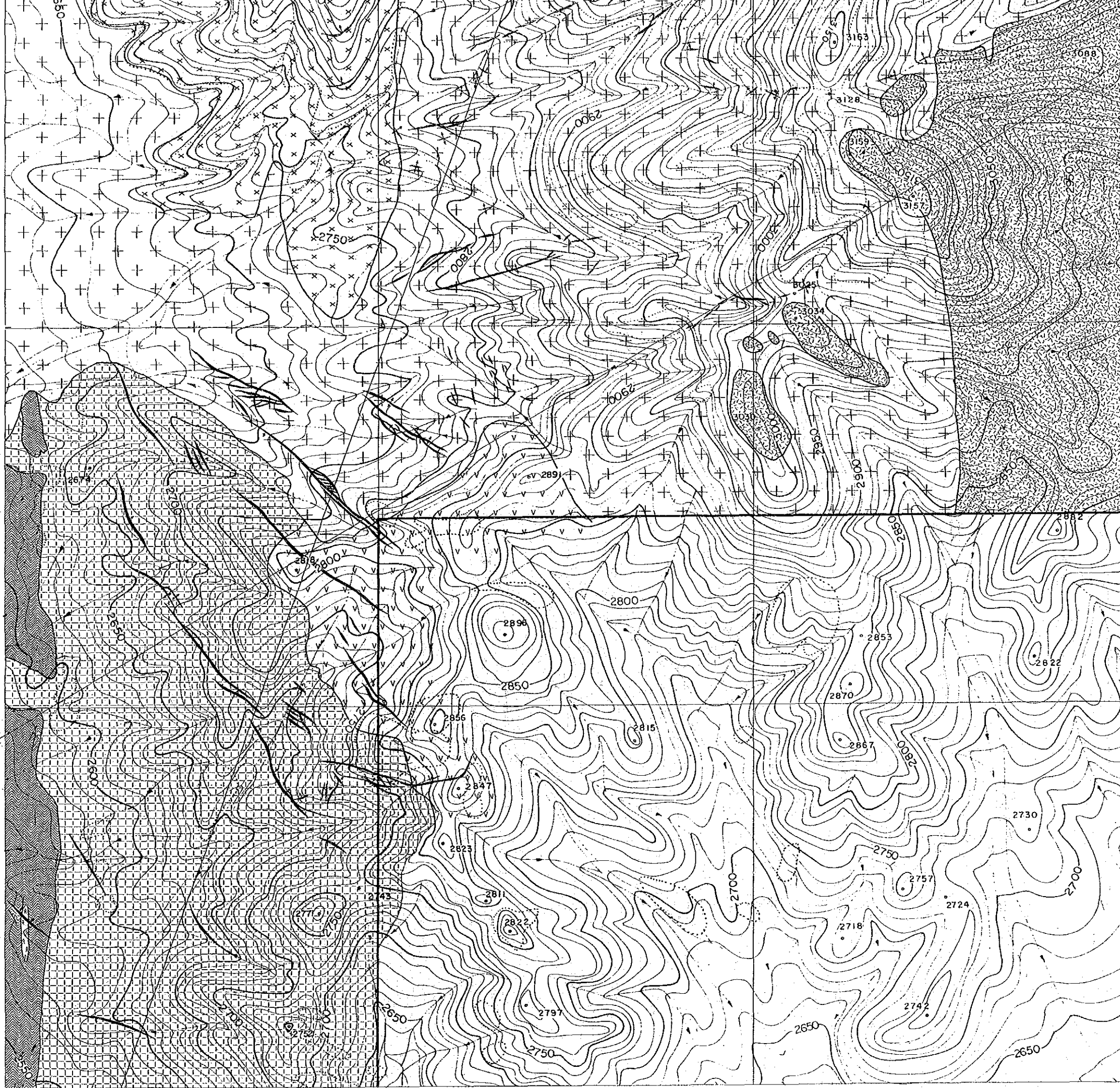
B423 Numero de muestra


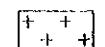
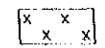
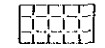
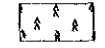
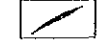
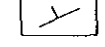

**Abreviacion**

- Hm : Hemalita
- Oz : Cuarzo
- Pot: Potencia



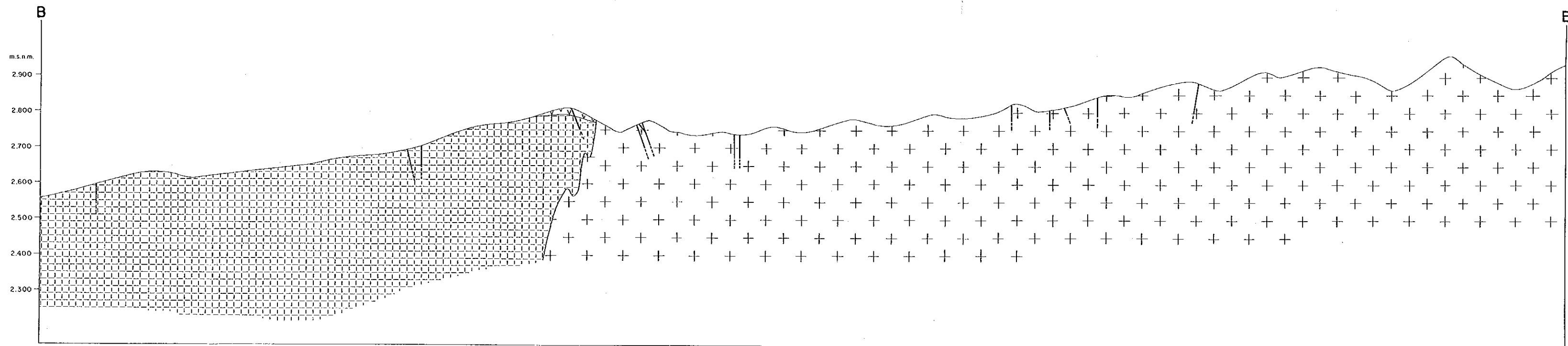
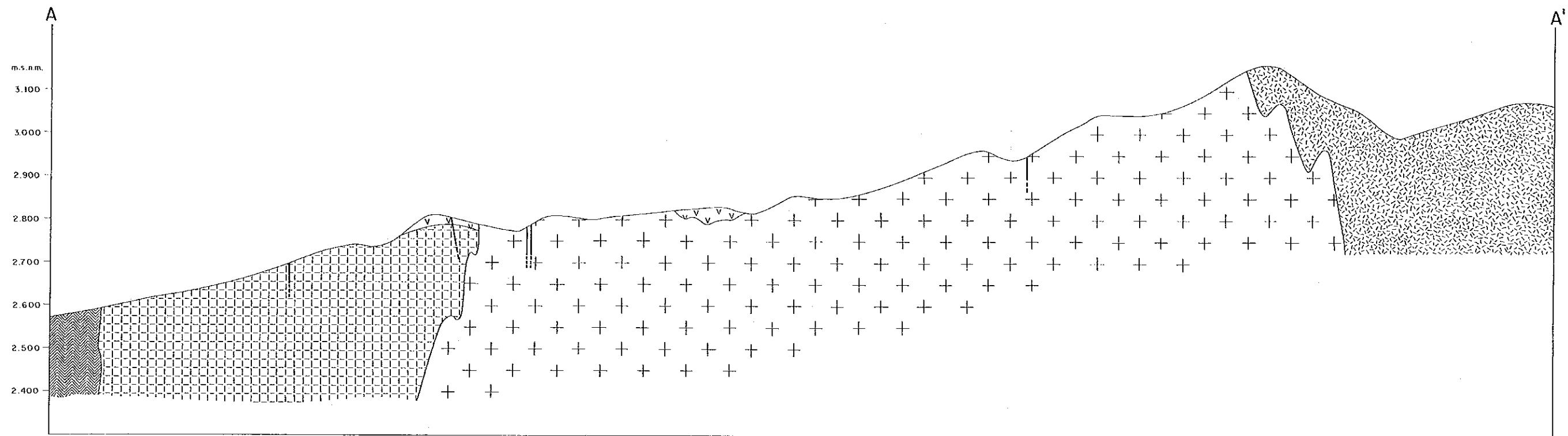
- LEYENDA
- Andesitas
  - Brechas tobáceas dacíticas y Tobos dacíticos de lapilli
  - Lulilas
  - Granodioritas
  - Granitos opíticos
  - "Stock" dacítico
  - Dique andesítico
  - Veta
  - Rumbo y manto



-  dacíticos de topiti
-  Lutitas
-  Granodioritas
-  Granitos opíficos
-  "Stock" dacítico
-  Dique andesítico
-  Veto
-  Rutaba y manto

B



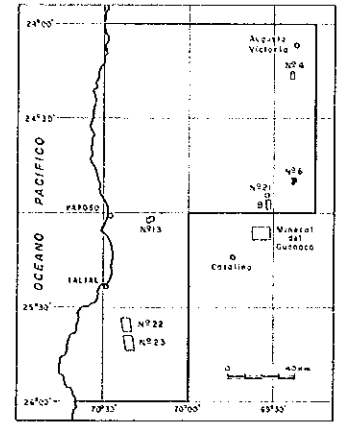


ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE







MAPA DE PERFIL GEOLOGICO  
AREA N° 6

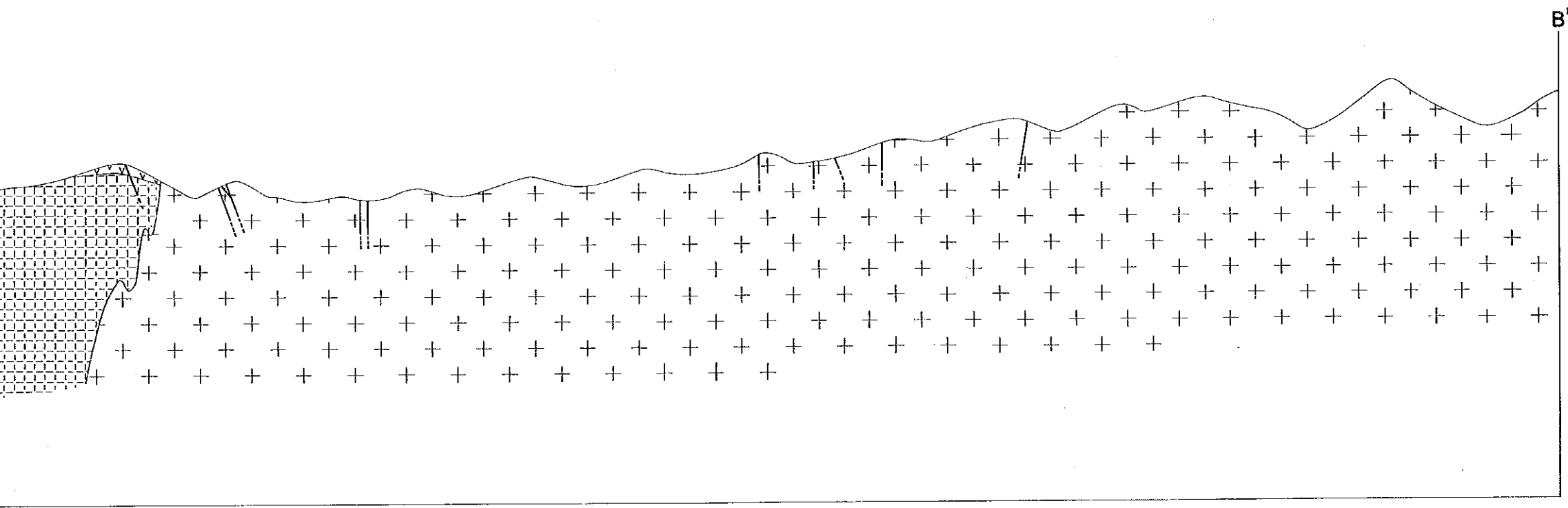
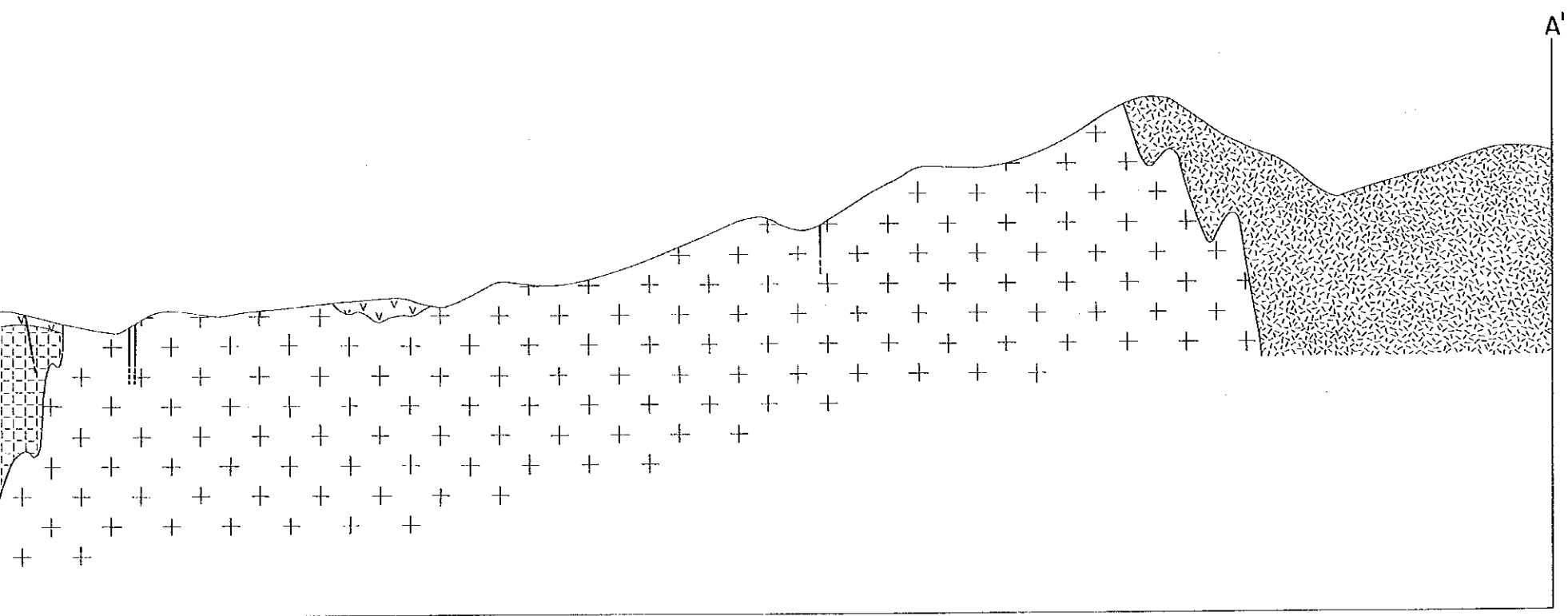
ESCALA 1:5 000  
0 100 200 300 400m

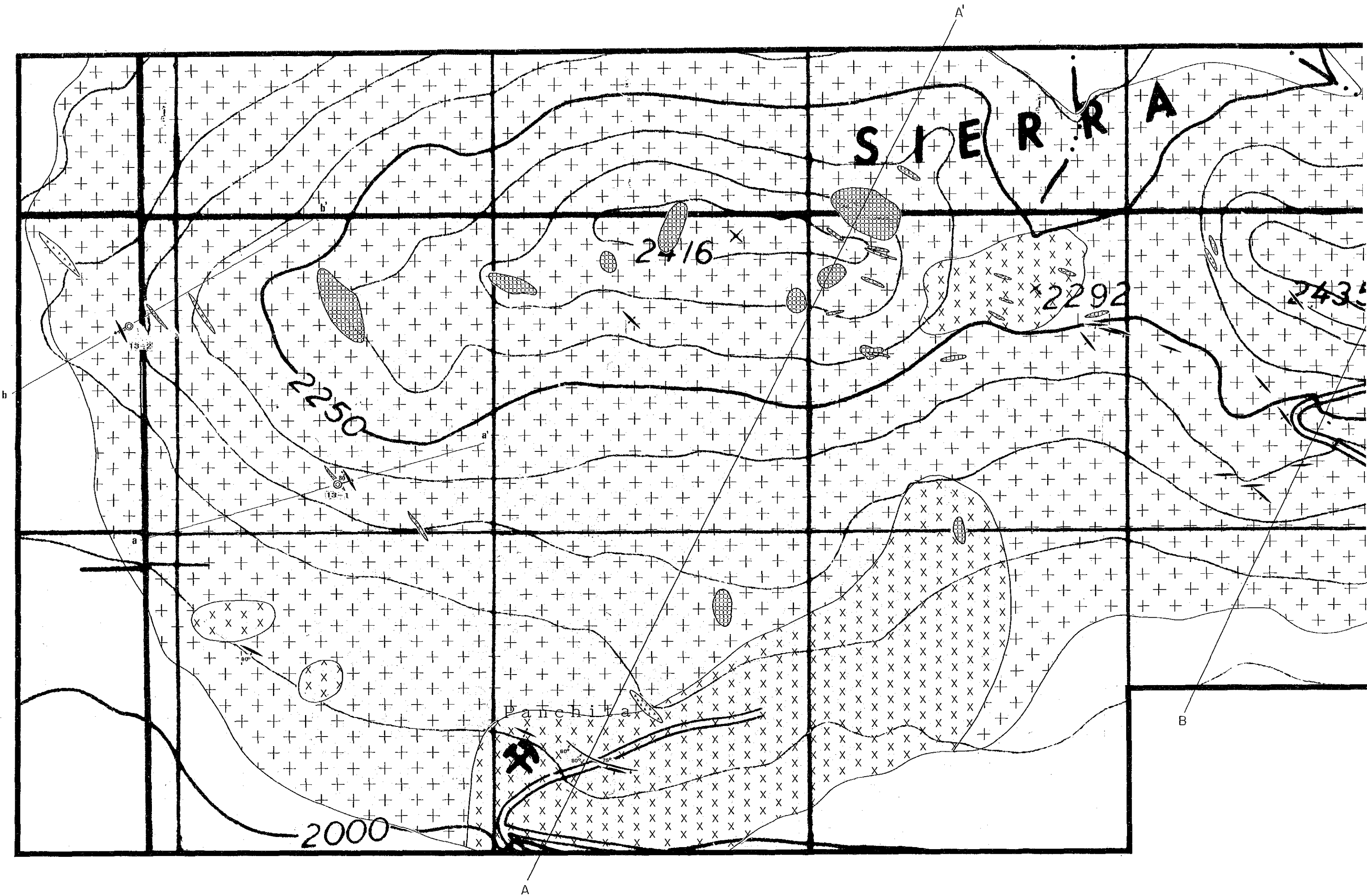
MAPA DE UBICACION



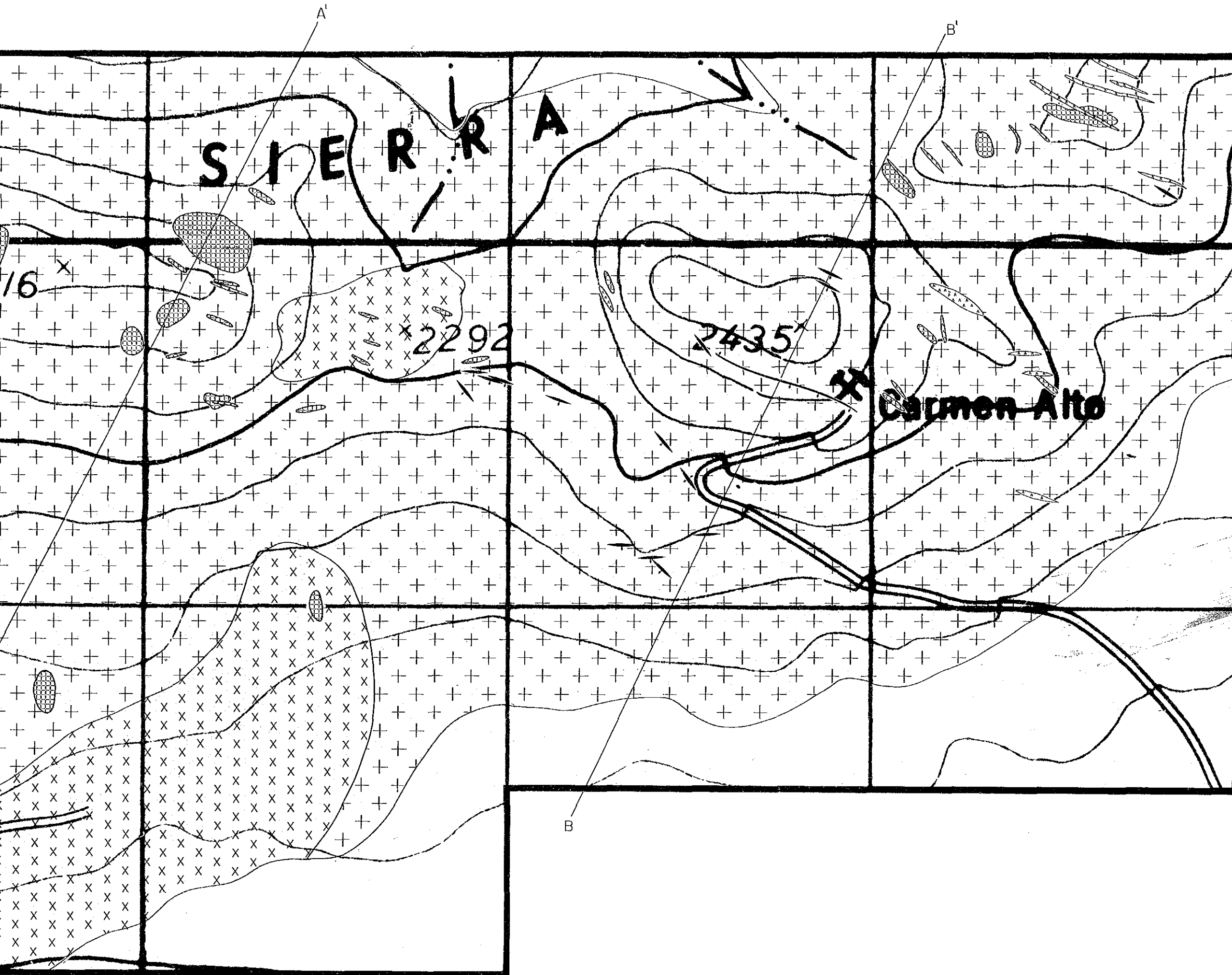
LEYENDA

-  Andesitas
-  Brechas lobaceas daciticas y Tobas daciticas de lapilli
-  Lulitas
-  Granodioritas
-  "Stock" dacitico
-  Veto





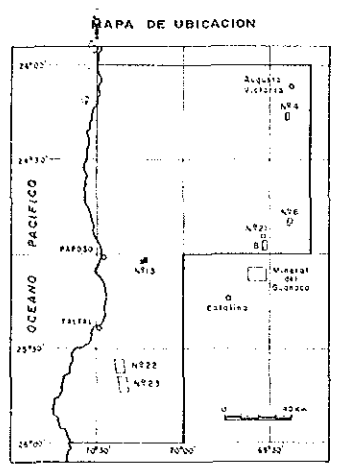











16206

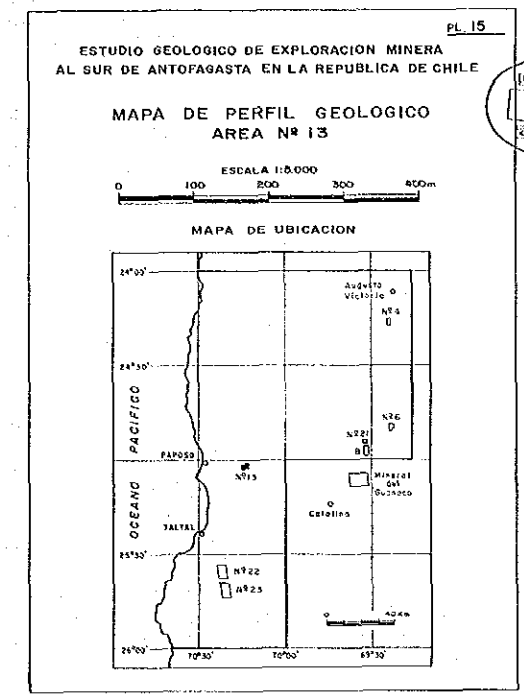
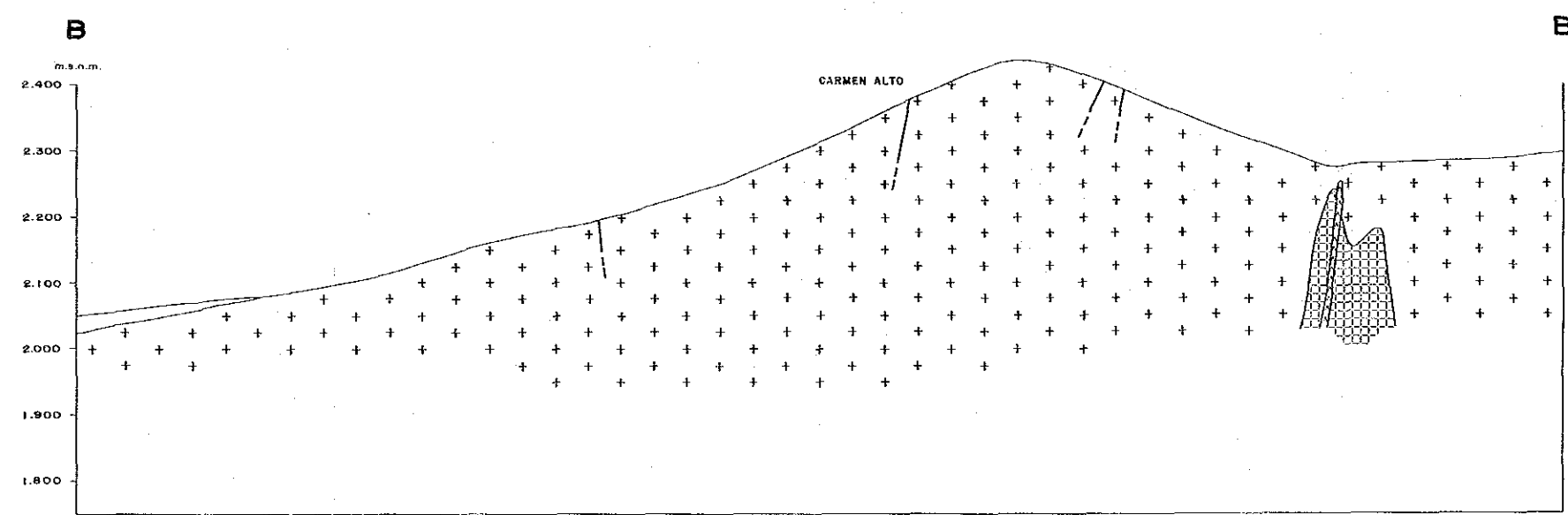
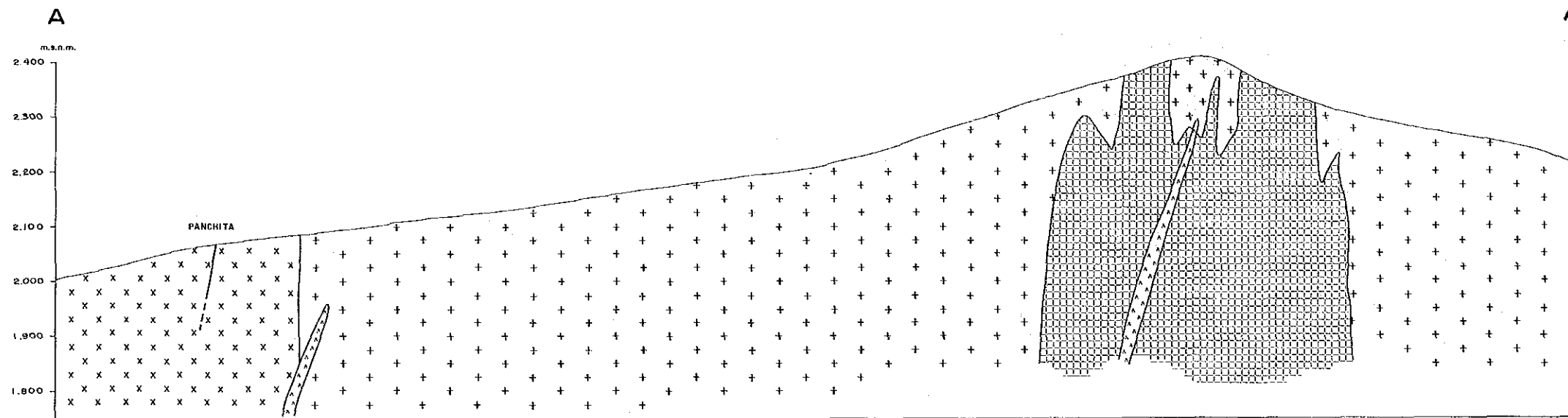
PL. 14

ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE  
MAPA GEOLOGICO Y PLANO DE  
UBICACION DE SONDAJE  
AREA No. 13  
ESCALA 1:5.000



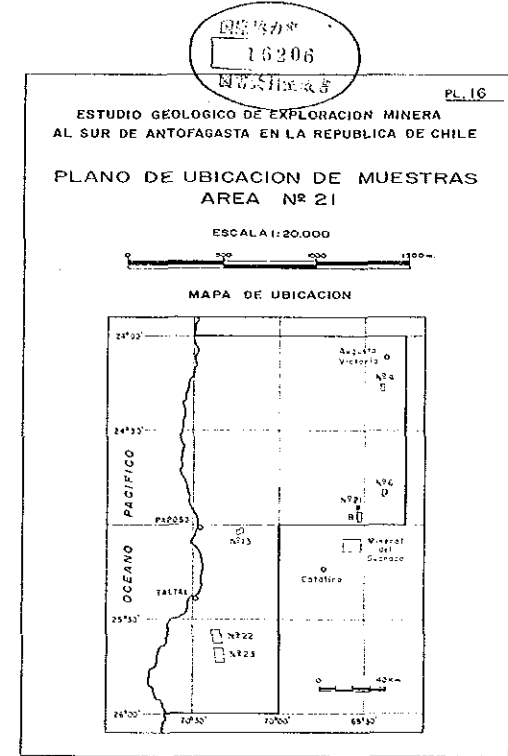
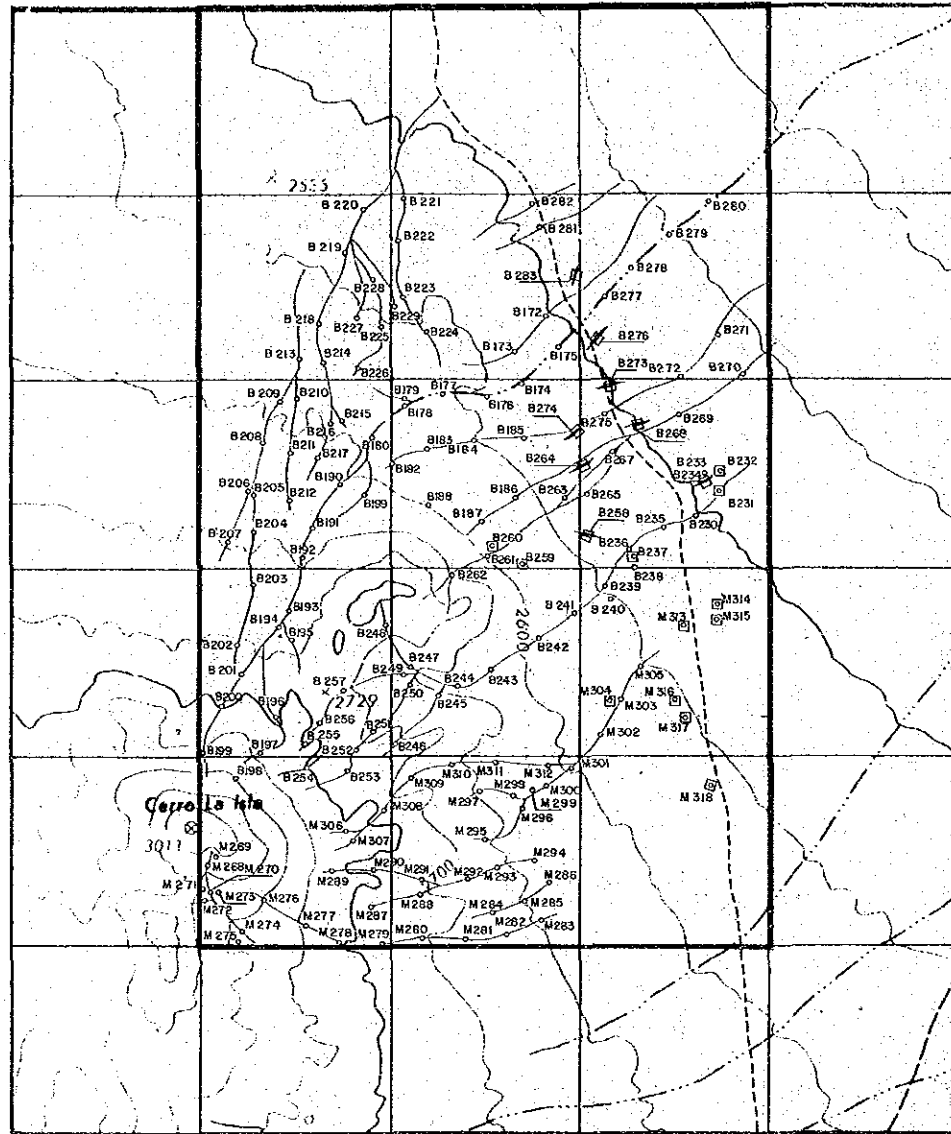
LEYENDA

-  Arenas y gravas
-  Granodiorita
-  Monzoniorita
-  "Stecks" microgranitico
-  Diques andesiticos
-  Voto
-  13-1  
Ubicacion de sondeaje  
y Numero de sondeaje




16206

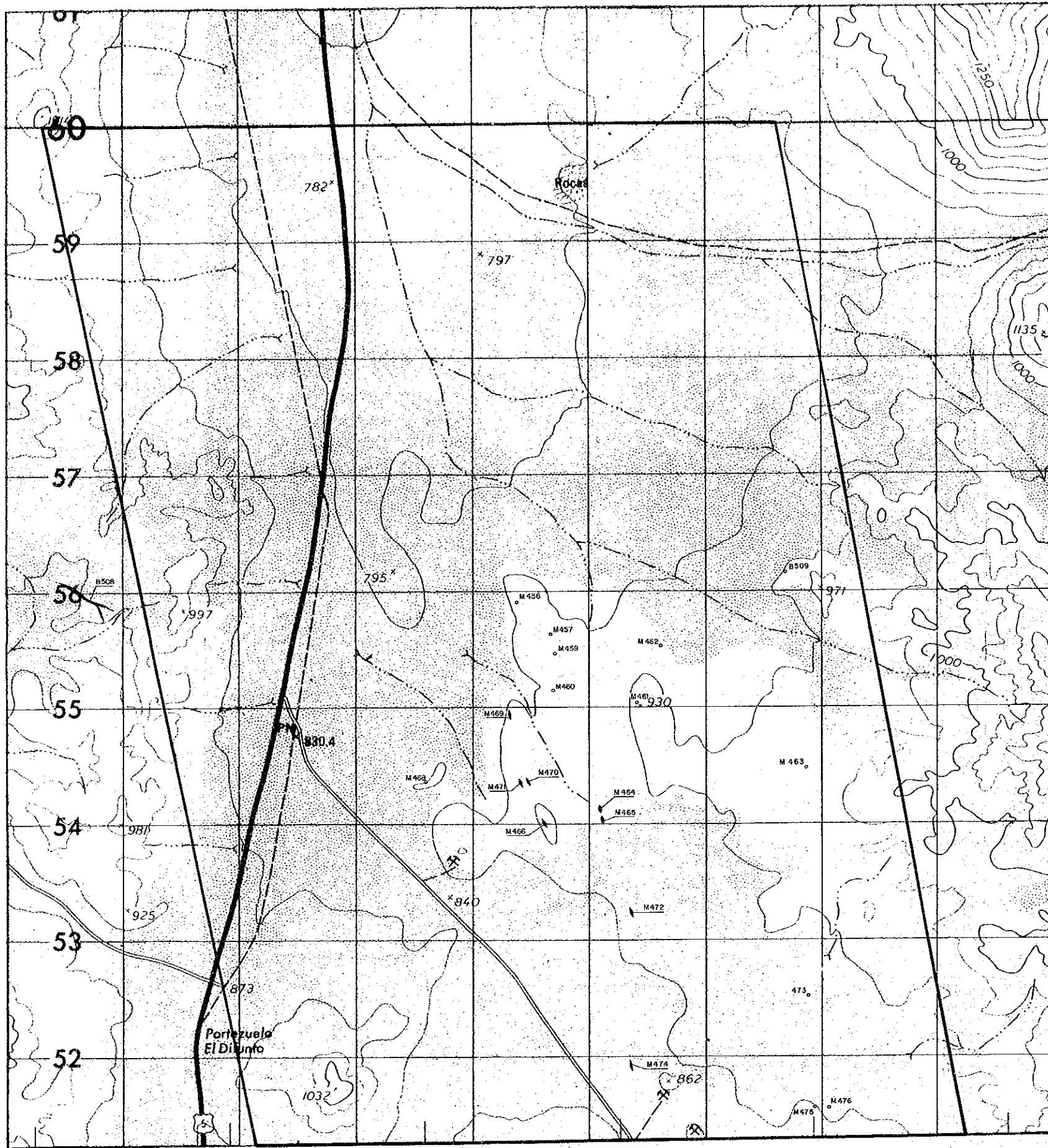
- LEYENDA
- Arenas y gravas
  - Granodiorita
  - Monzodiorita
  - "Stocks" microgranítico
  - Diques andesíticos
  - Veta



LEYENDA

- o Ubicación de muestra
-  Ubicación de muestra escogida en desmonte





16206

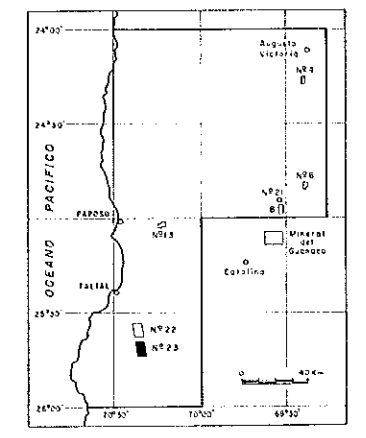
PL. 18  
ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

PLANO DE UBICACION DE MUESTRAS  
AREA N° 23

ESCALA 1:20000

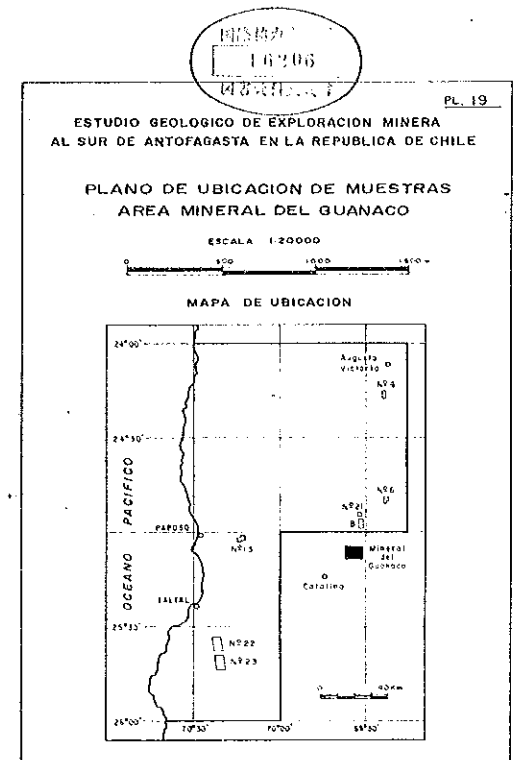
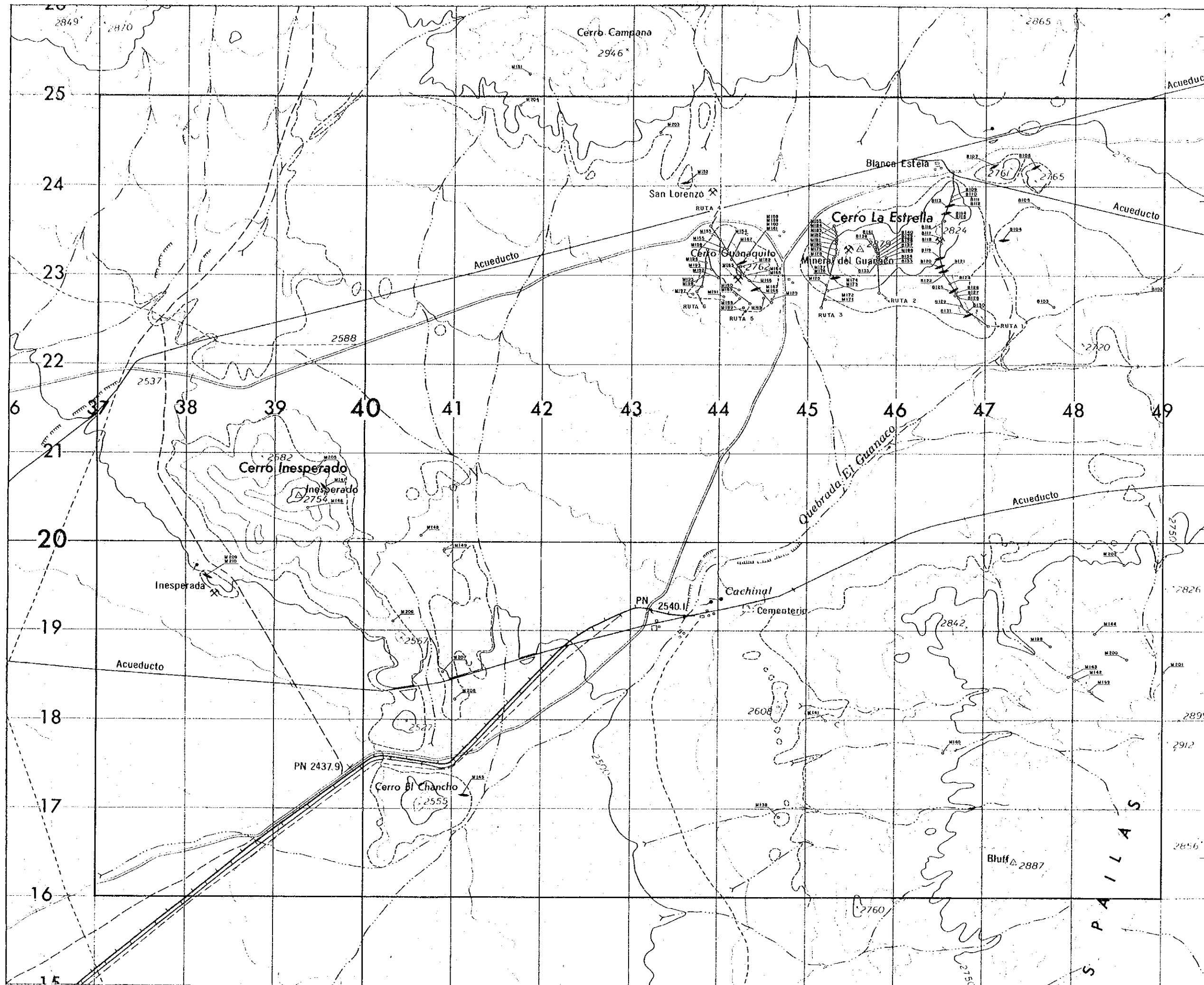


MAPA DE UBICACION



LEYENDA

- M456 Ubicación de muestra
- ↖ M472 Ubicación de muestra en Veta



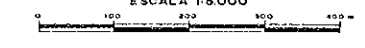
**LEYENDA**

- M202 Ubicación de muestra
- B122 Ubicación de muestra en veta

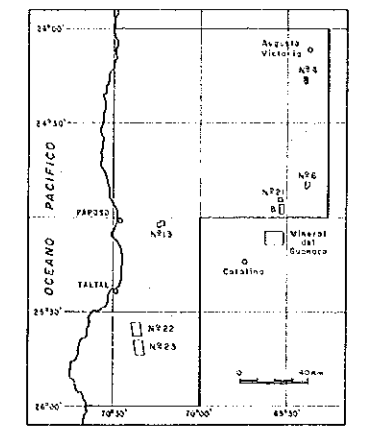
ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

PLANO DE UBICACION DE MUESTRAS  
AREA Nº 4

ESCALA 1:5.000

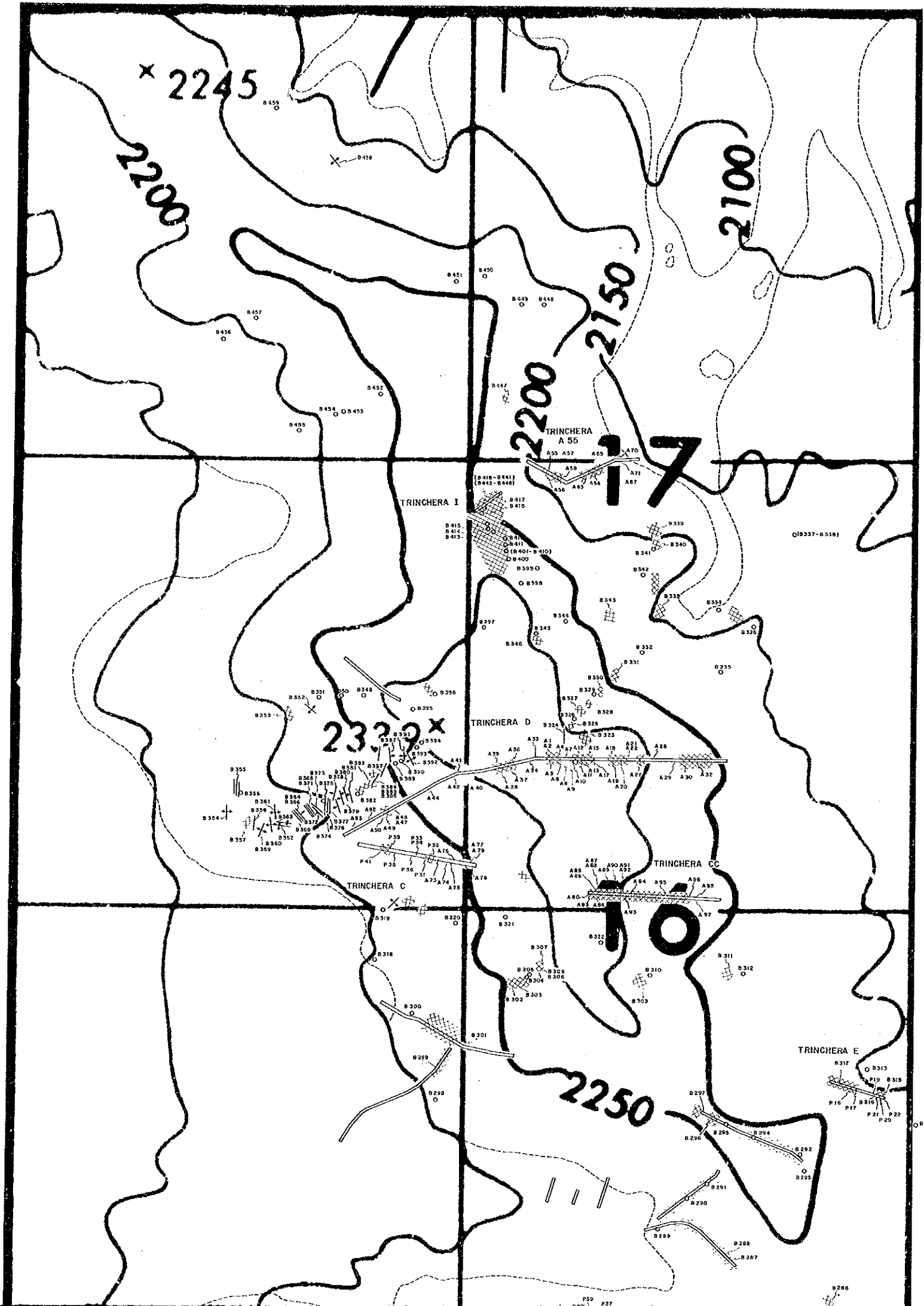


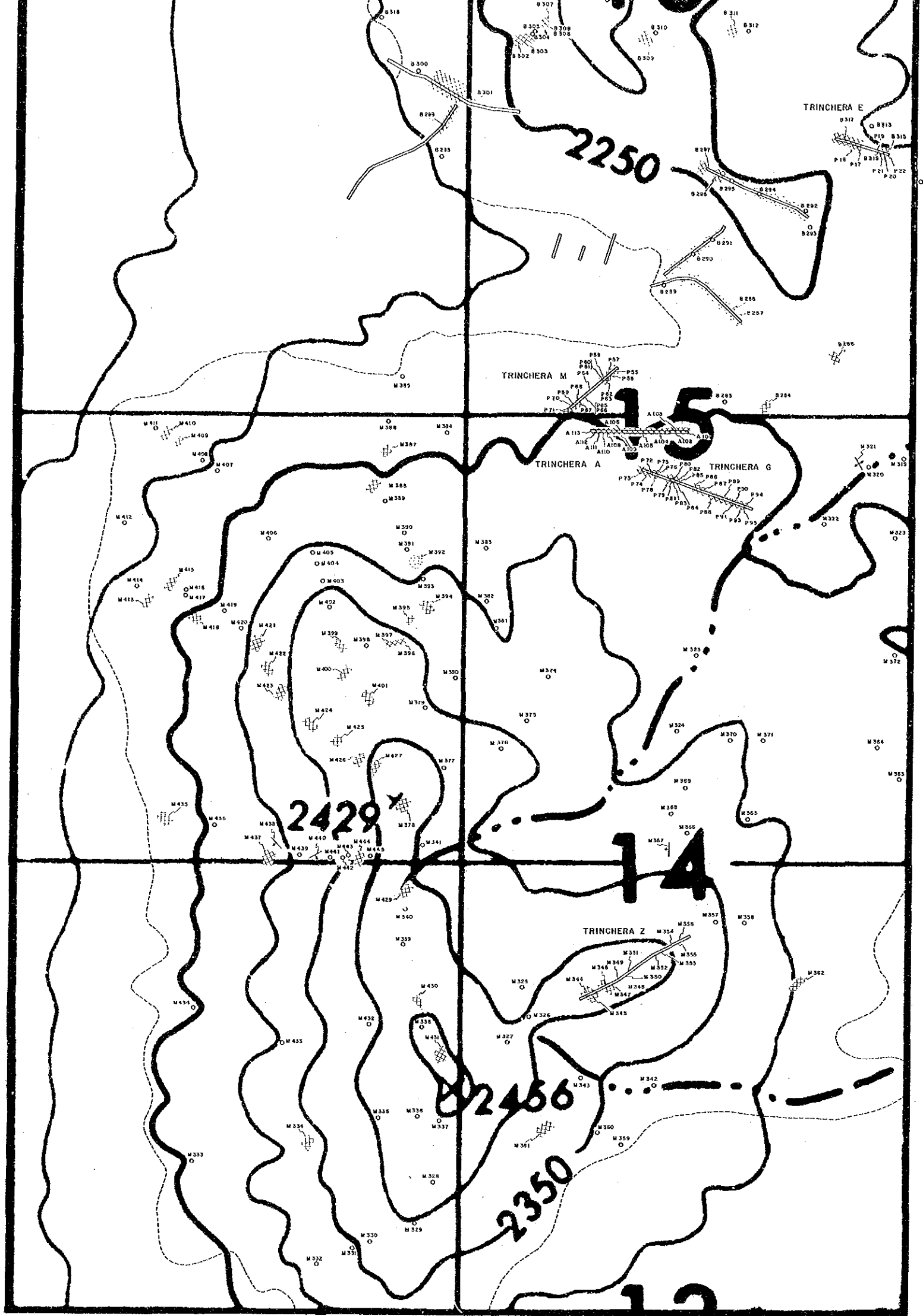
MAPA DE UBICACION



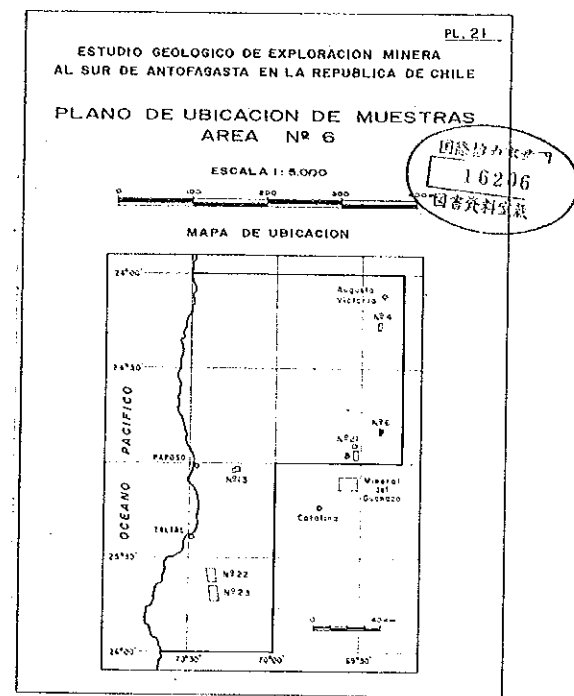
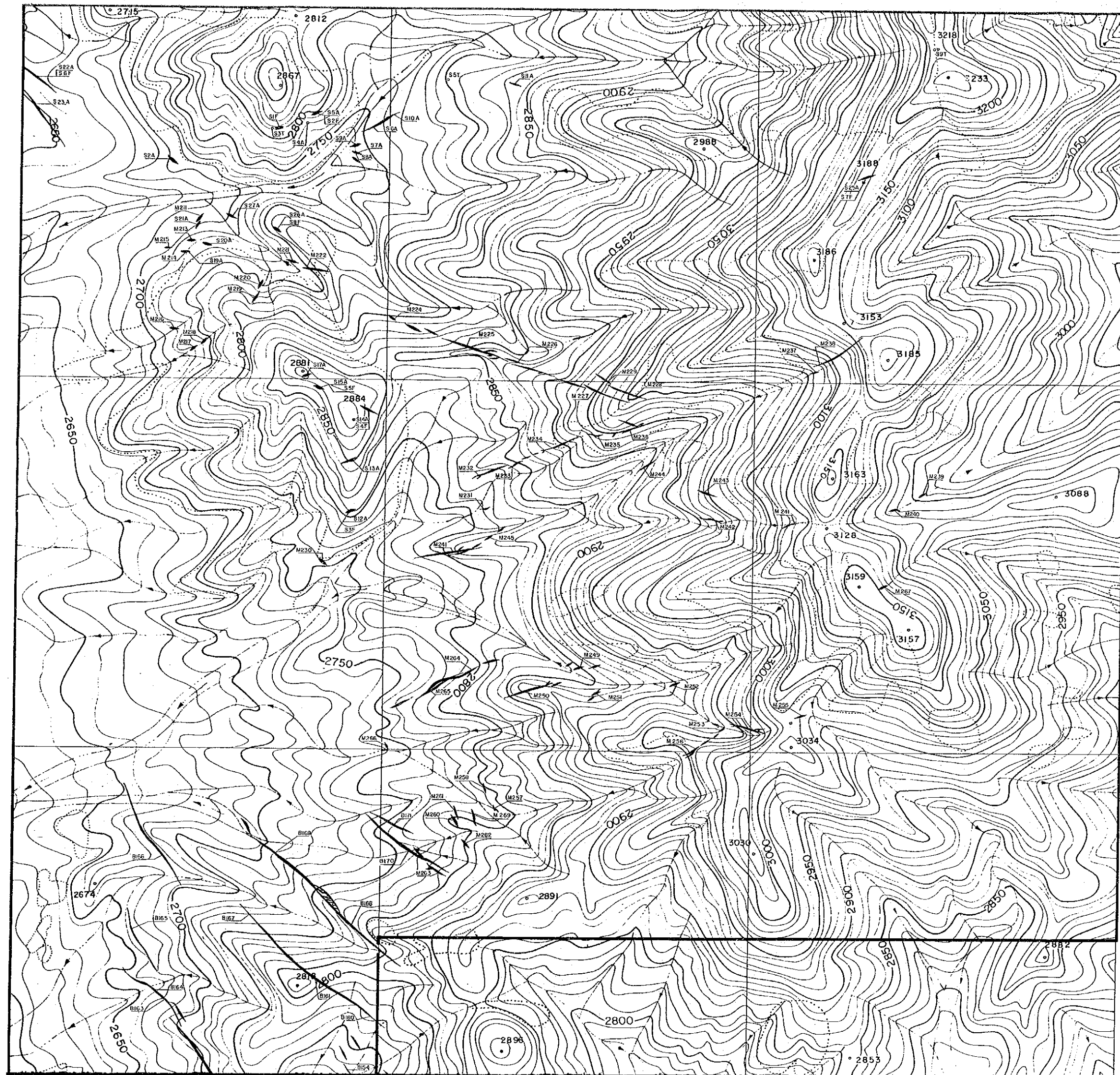
LEYENDA

- Ubicación de muestra
- Vetillas tipo "network"
- Vetilla de rumbo preferencial
- Impregnación de limonita
- Trinchera



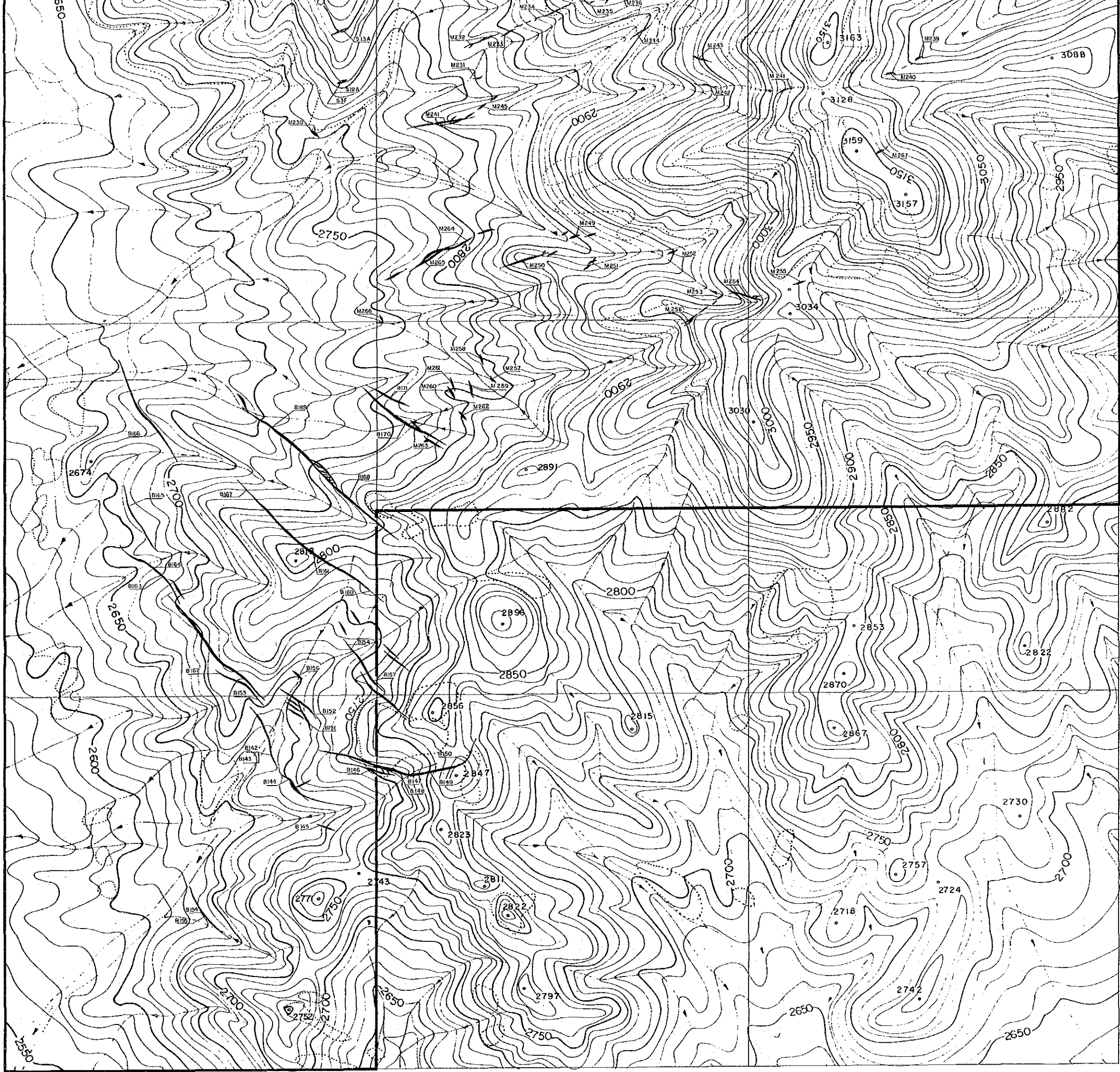






LEYENDA

- SIT Ubicación de muestra
- BIE Ubicación de muestra en Veto



# S I E R R A

2416<sup>x</sup>

2292<sup>x</sup>

2435

2250

2000

Panchita

M1  
M2  
M3  
M4  
M5

M133 M19 M20 M39 M40 M59 M60 M71 M90 M91 M110 M111 M130  
M132 M18 M21 M38 M41 M58 M61 M72 M89 M92 M109 M112 M129  
M131 M17 M22 M37 M42 M57 M62 M73 M88 M93 M108 M113 M128  
M9 M16 M23 M36 M43 M56 M63 M74 M87 M94 M107 M114 M127  
M10 M15 M24 M35 M44 M55 M64 M75 M86 M95 M106 M115 M126  
M14 M25 M34 M45 M54 M65 M76 M85 M96 M105 M116 M125  
M11 M13 M26 M33 M46 M53 M66 M77 M84 M104 M117 M124  
M12 M27 M32 M47 M52 M67 M78 M83 M98 M103 M118 M123  
M28 M31 M48 M51 M79 M82 M99 M102 M119 M122  
M29 M30 M49 M50 M69 M80 M81 M100 M101 M120 M121

B93 B92 B78 B84 B63 B50 B27 B26  
B79 B76 B65 B62 B51 B48 B28 B25  
B94 B91 B80 B75 B66 B61 B52 B47 B29 B24  
B95 B90 B81 B74 B67 B60 B53 B46 B23  
B96 B89 B82 B73 B68 B59 B54 B45 B31 B22  
B97 B88 B83 B72 B69 B58 B55 B44 B32 B21  
B98 B84 B71 B70 B57 B56 B43 B34 B20  
B99 B87 B86 B80 B39 B38 B37 B35 B12 B19  
B100 B85 B42 B41 B40 B39 B36 B11  
B10 B18  
B17 B16 B15



10203

PL. 22

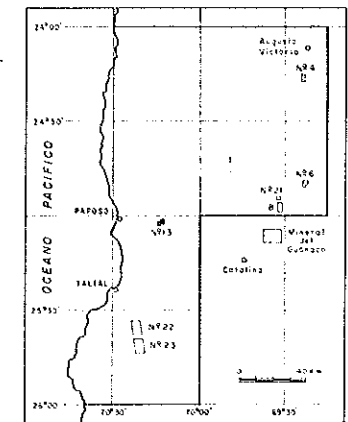
ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

PLANO DE UBICACION DE MUESTRAS  
AREA Nº 13

ESCALA 1:5000



MAPA DE UBICACION



LEYENDA

- B1 Ubicación de muestra
- B2 Ubicación de muestra en Veta

