

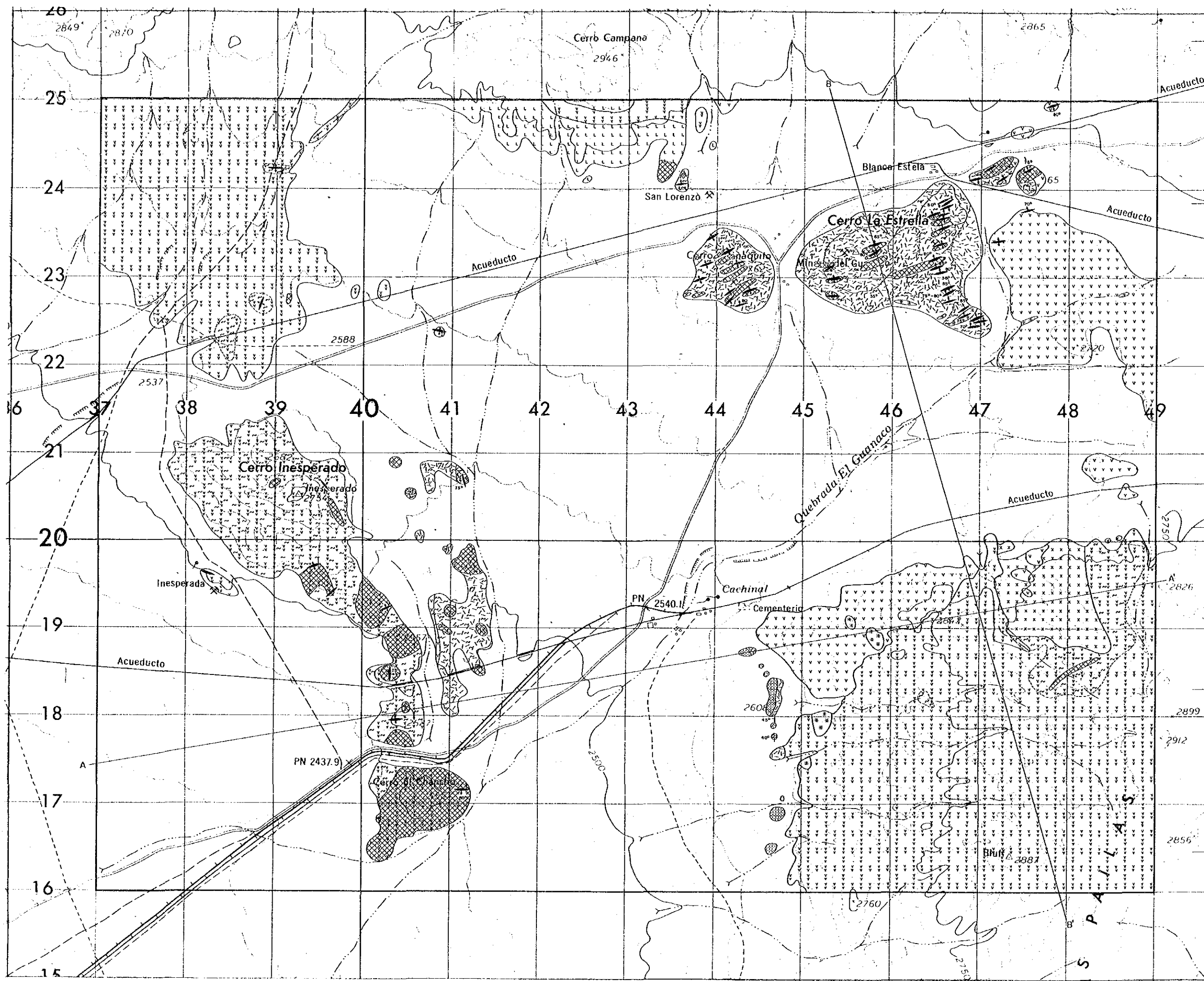
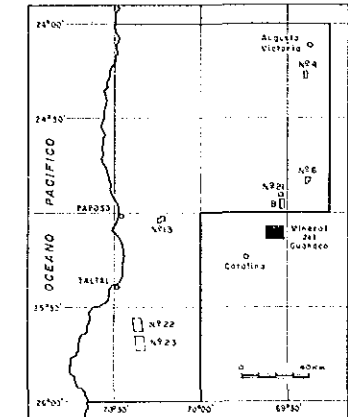
ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

MAPA GEOLOGICO  
AREA MINERAL DEL GUANACO

ESCALA 1:20.000

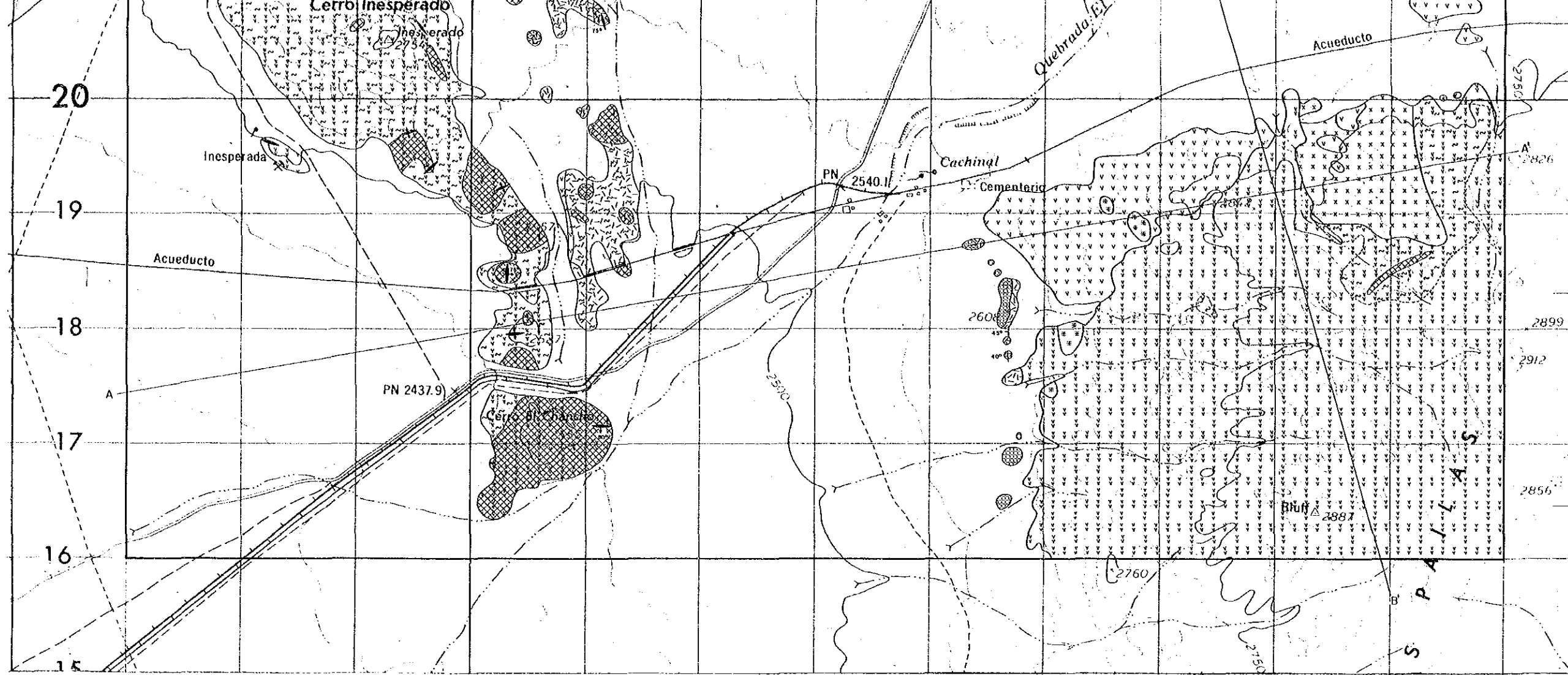


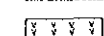
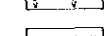
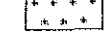
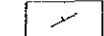

MAPA DE UBICACION

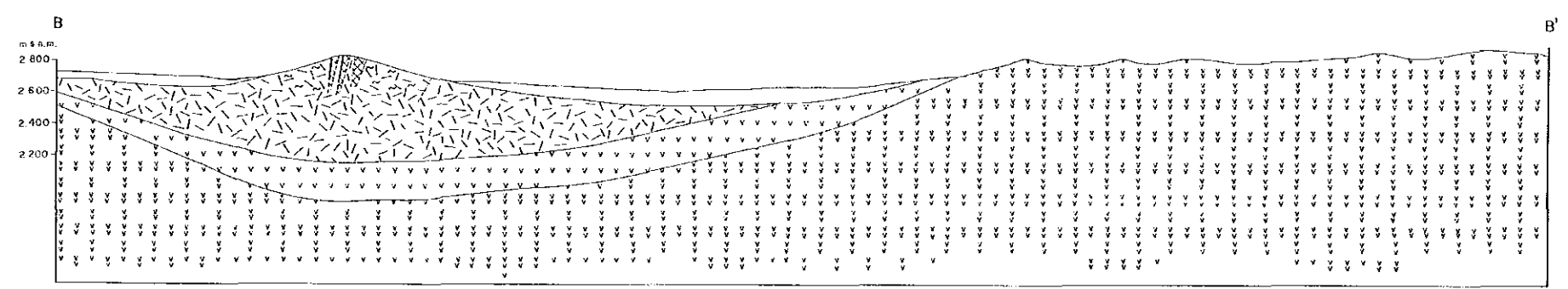
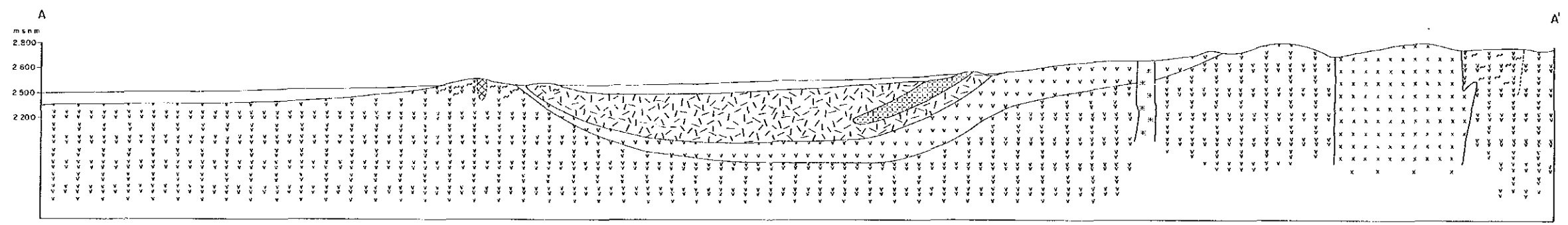


LEYENDA

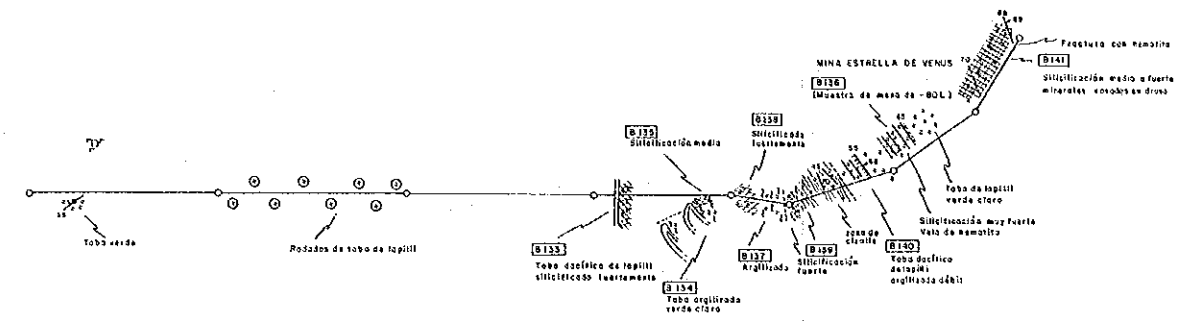
- Arenas y gravos
- Riotitas
- Tobas daciticas
- Dactas
- Andesitas afanitico
- Andesitas porfirico
- Párido cuarcifero
- Dique dacitico
- Rumbo y manto
- Veta
- Silicificacion
- Argilizacion



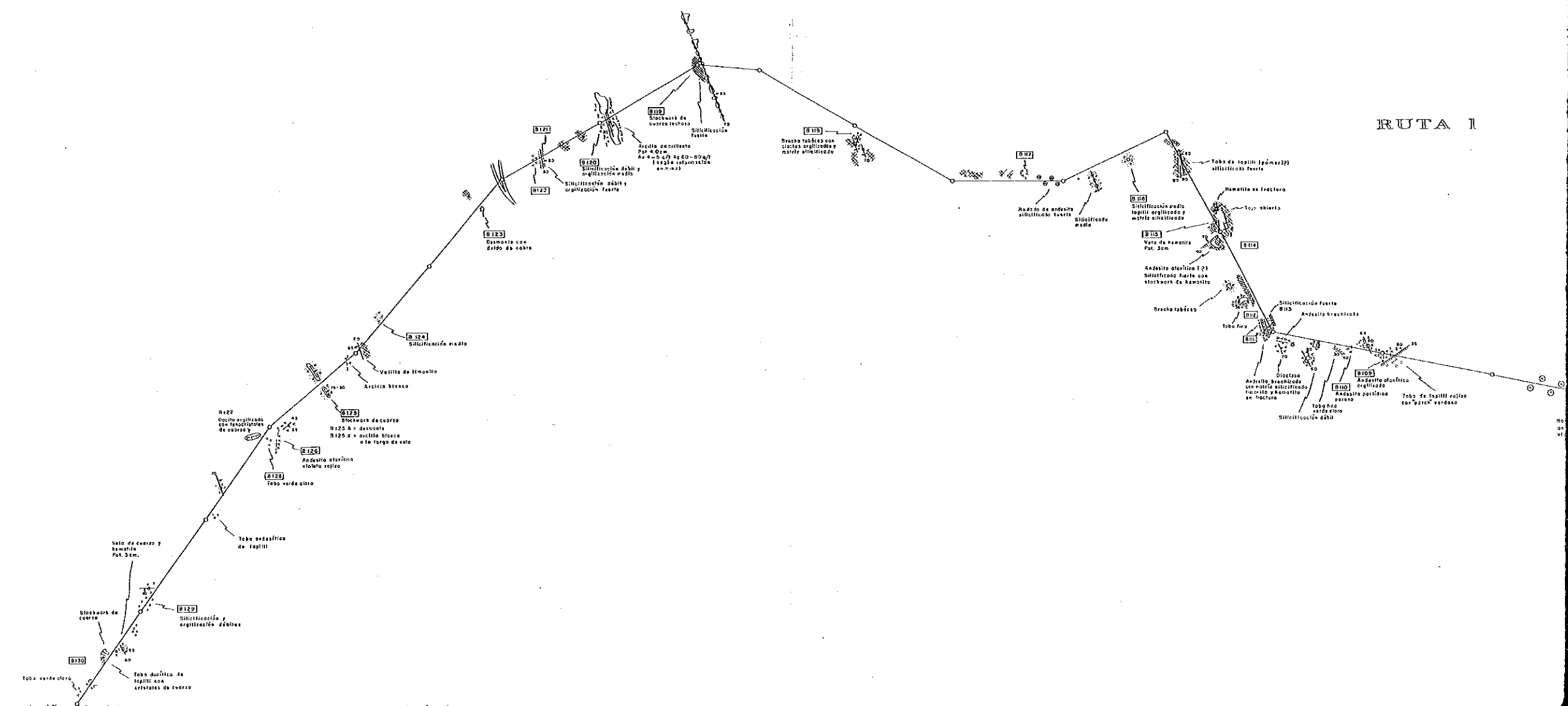
-  Dacitas
-  Andesitas afanítico
-  Andesitas porfírico
-  Pórfido cuarcífero
-  Dique dacítico
-  Rumbo y manto
-  Veto
-  Silicificación
-  Argilización



ruta 2



ruta 1

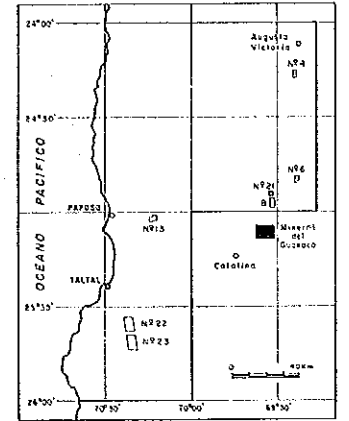


ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE  
CROQUIS DE RUTAS  
DE MINERAL DEL GUANACO  
No. 1

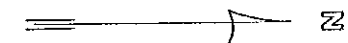
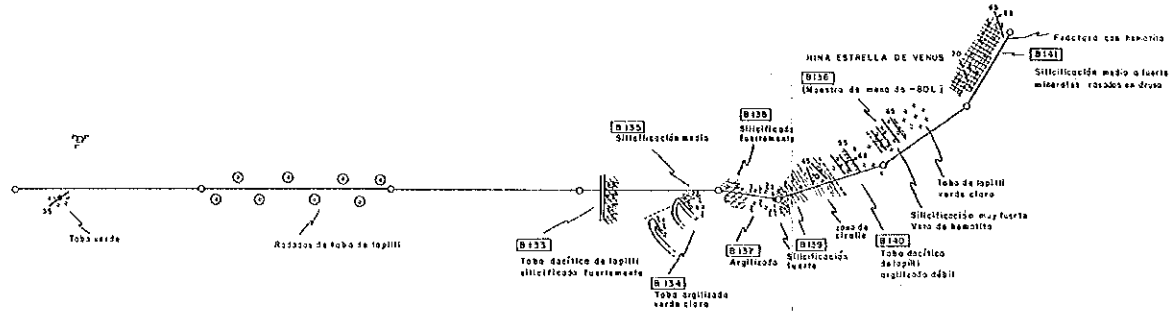
ESCALA 1:2,000



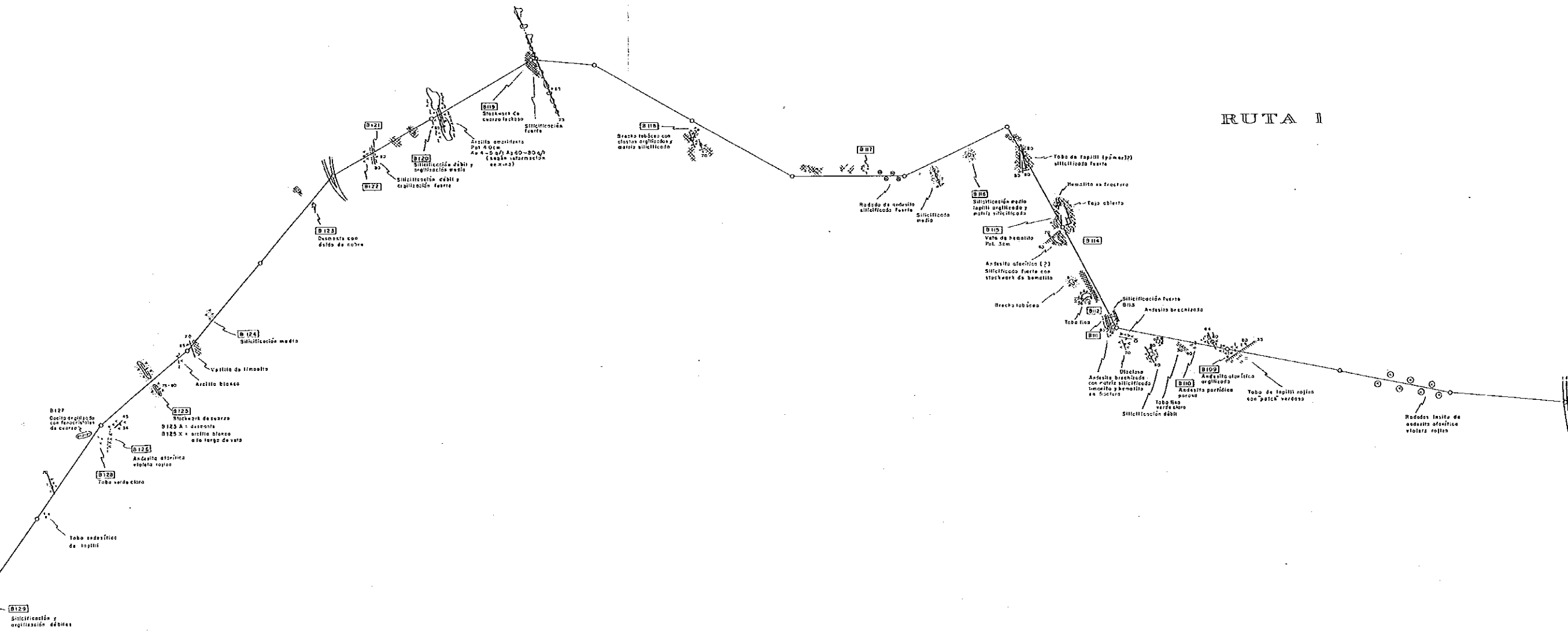
MAPA DE UBICACION



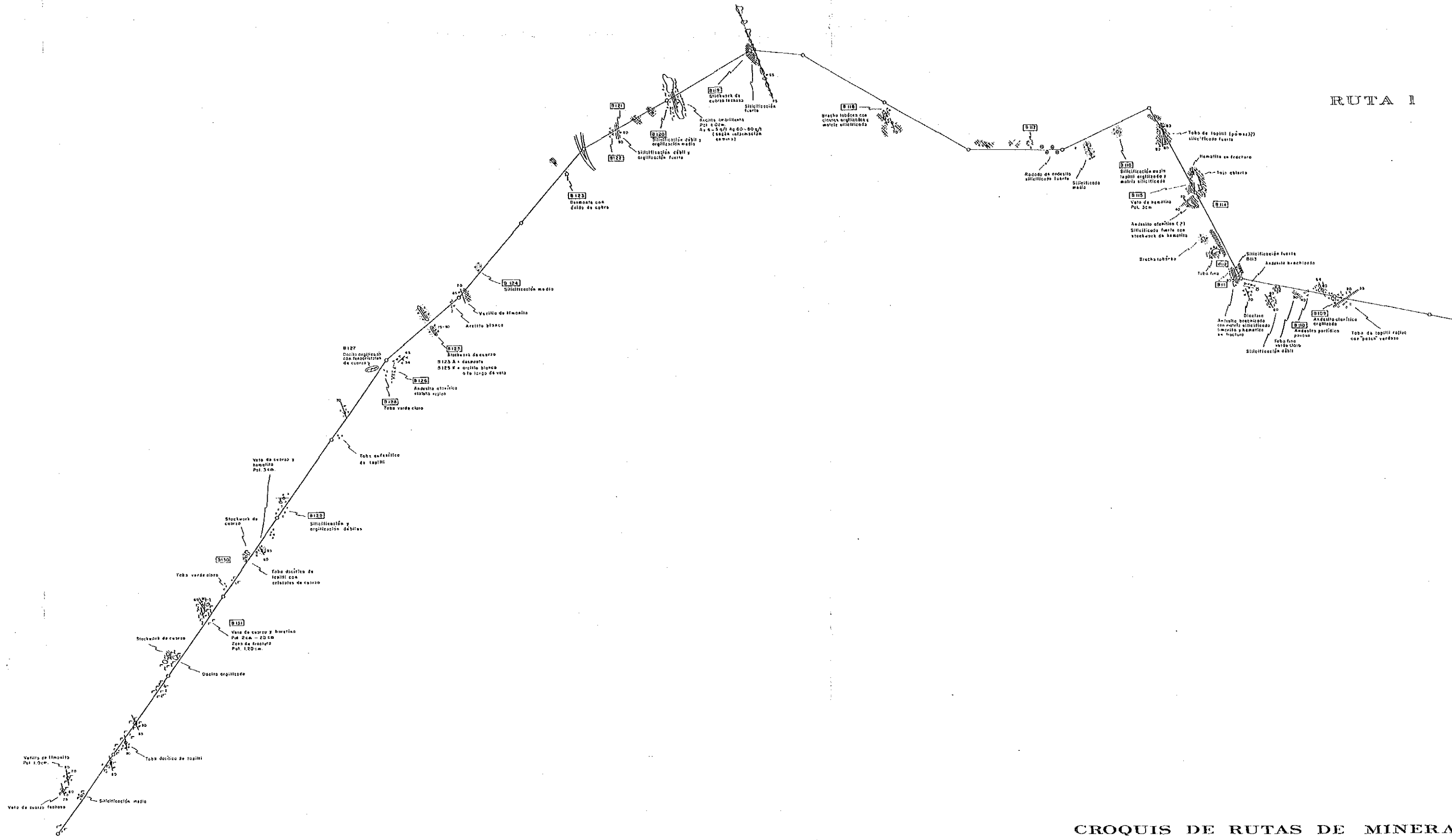
ROUTE 2

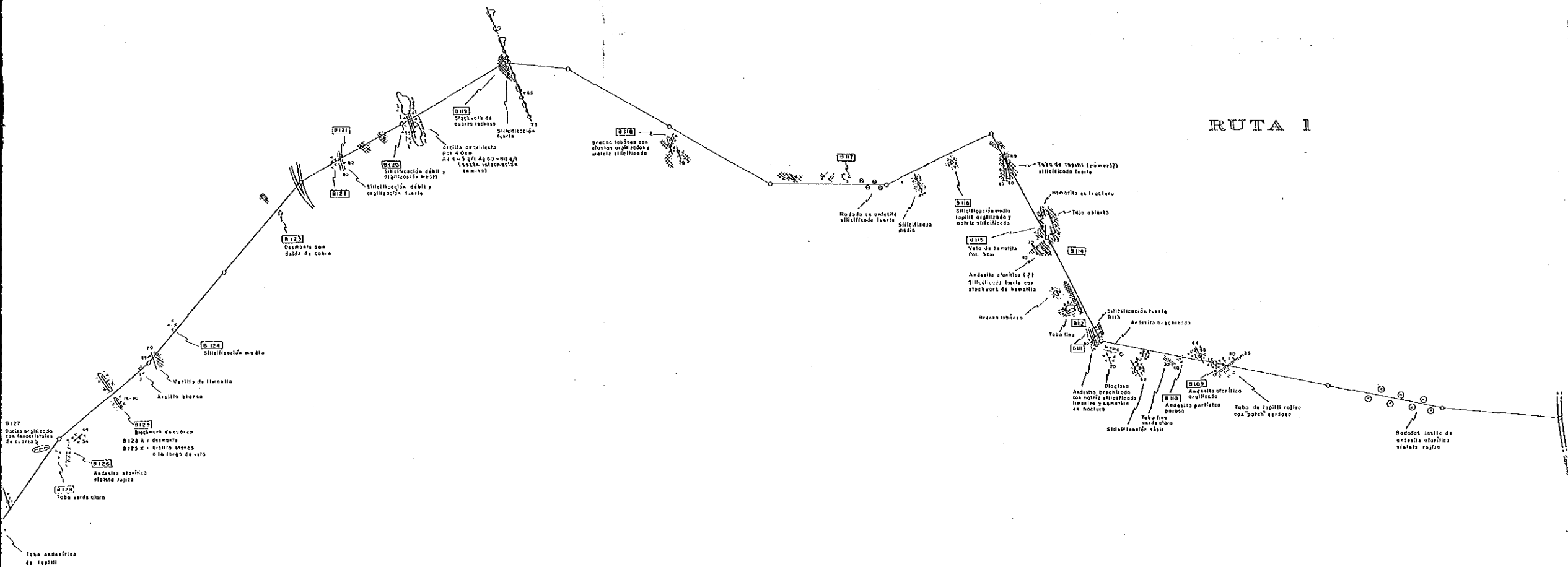


ROUTE 1



0129  
Silicificación y  
argilitización débiles





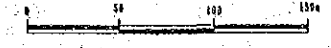
CROQUIS DE RUTAS DE MINERAL DEL GUANACO

16205

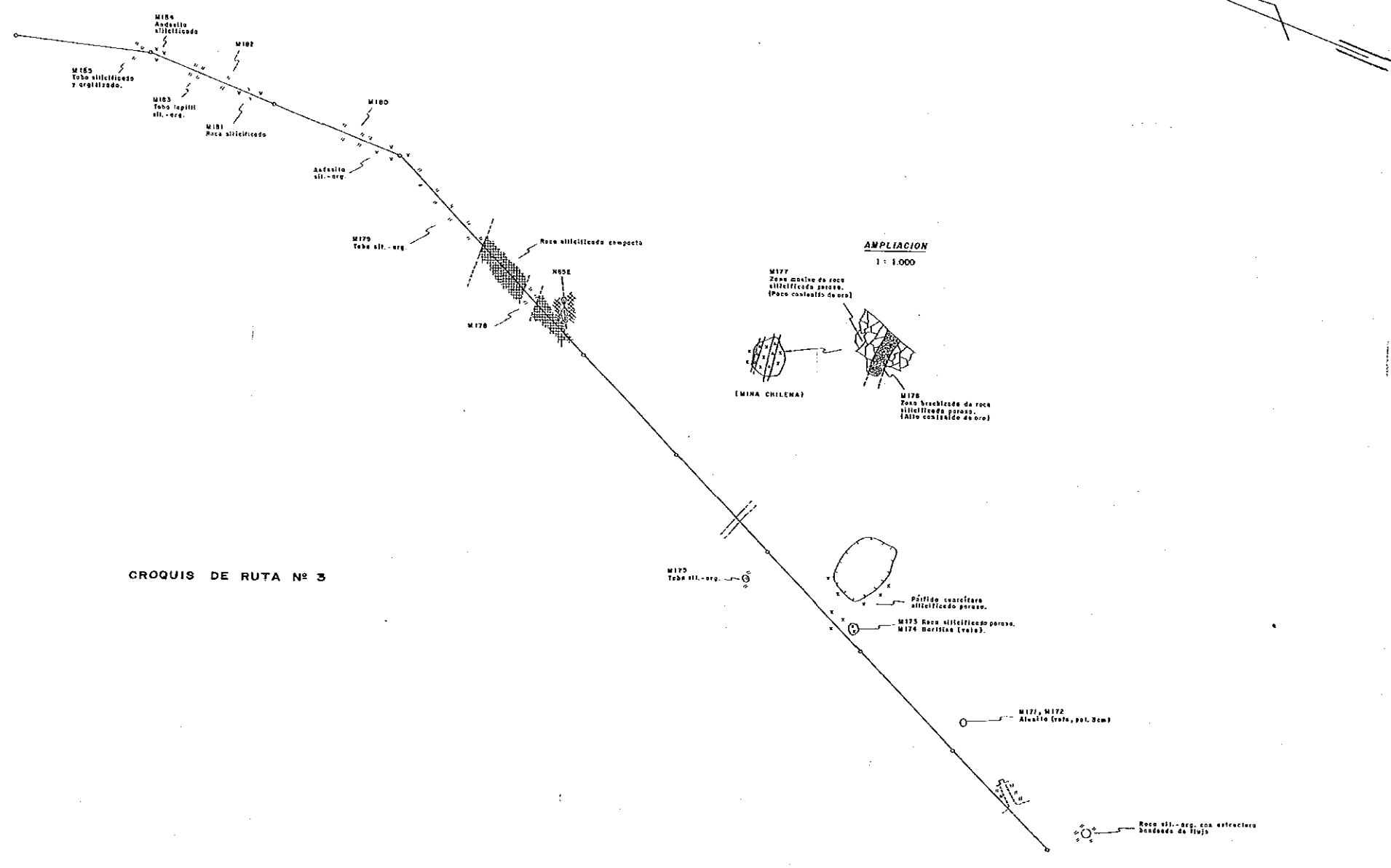
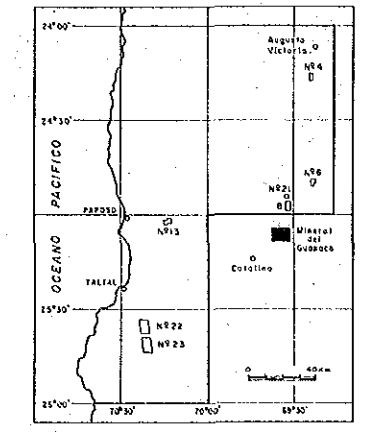
PL. 6

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

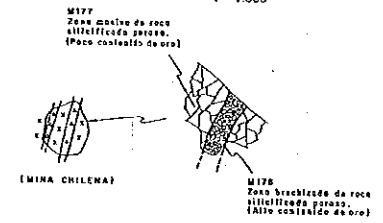


MAPA DE UBICACION

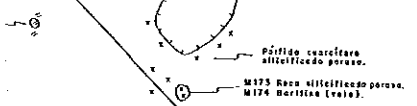


CROQUIS DE RUTA Nº 3

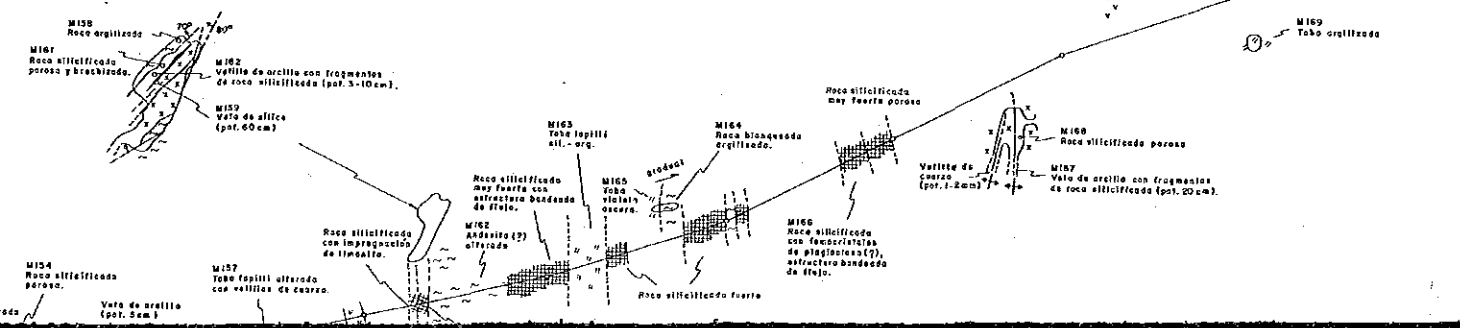
AMPLIACION  
1:1,000



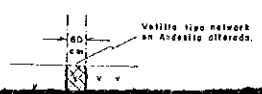
AMPLIACION  
1:1,000



AMPLIACION  
1:1,000

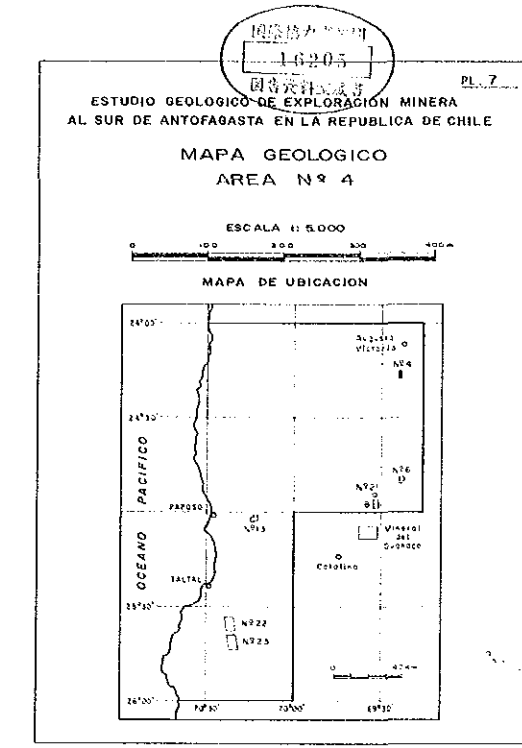
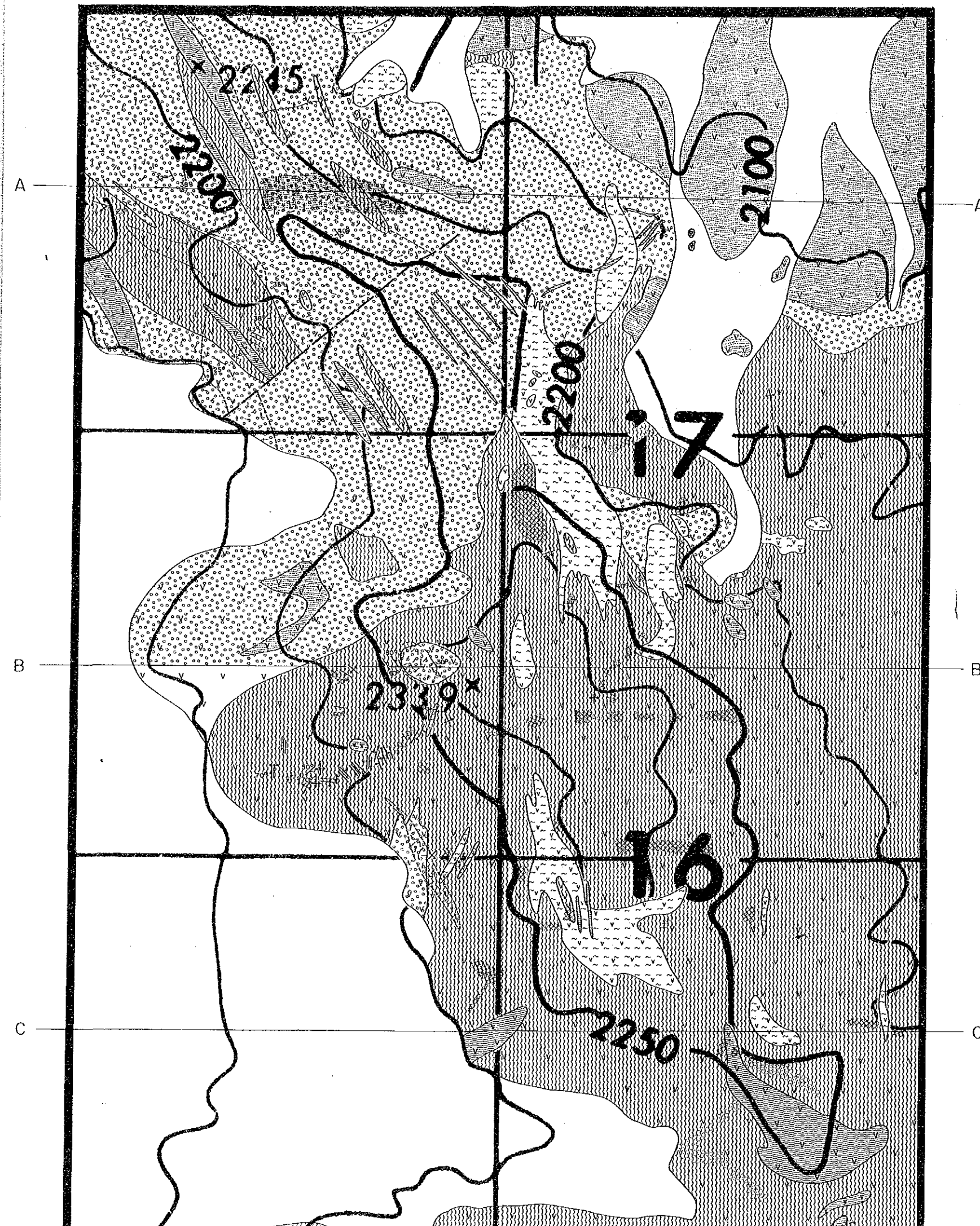



AMPLIACION

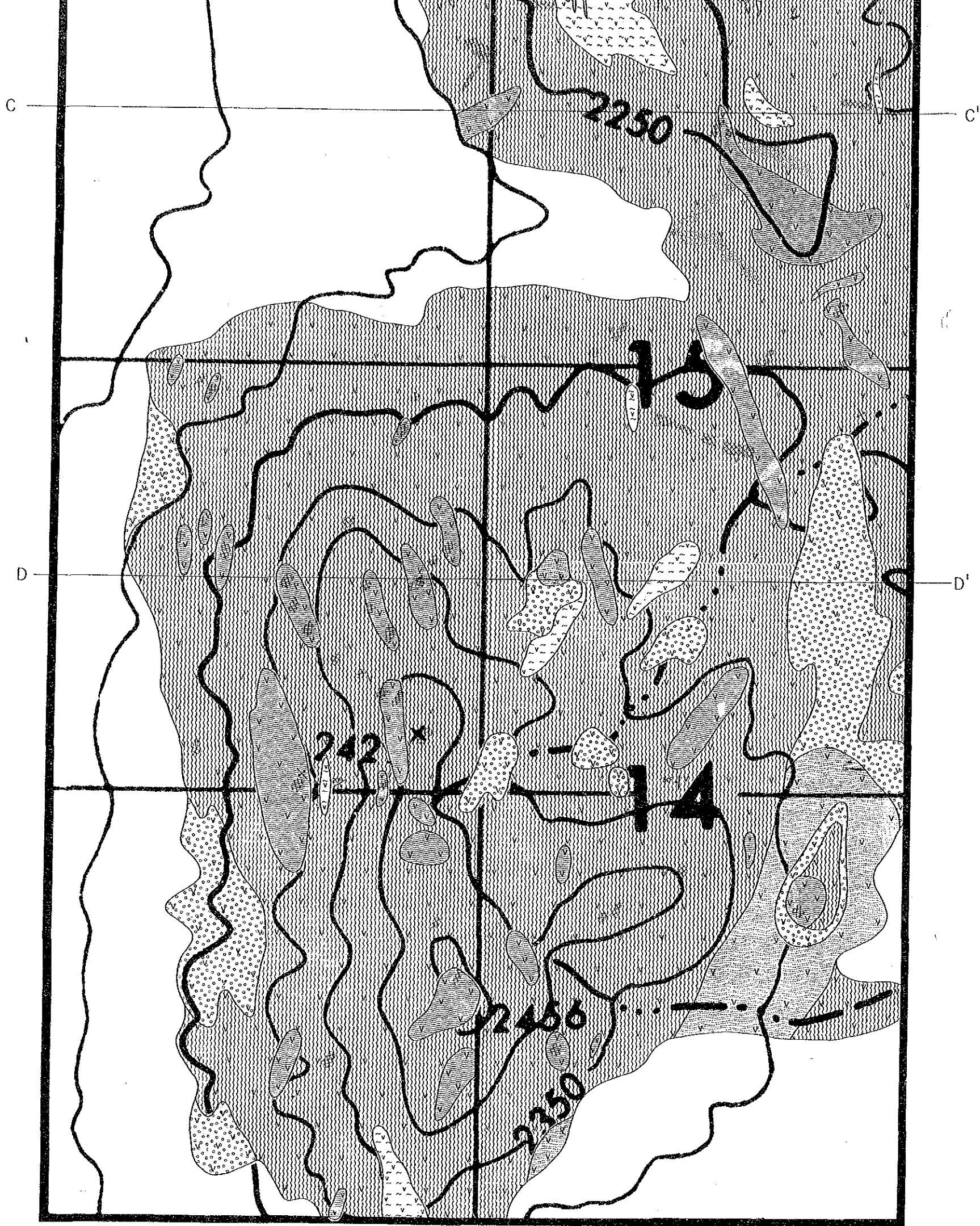








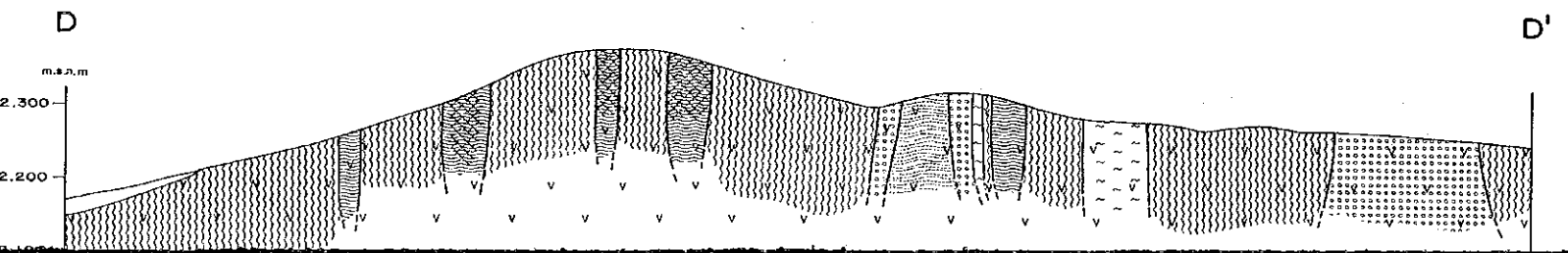
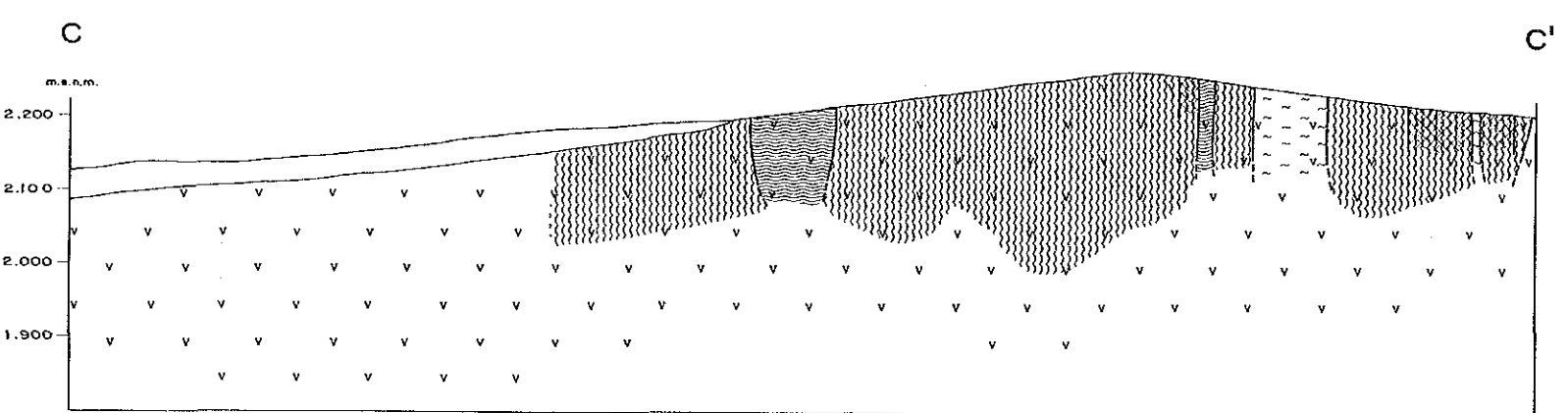
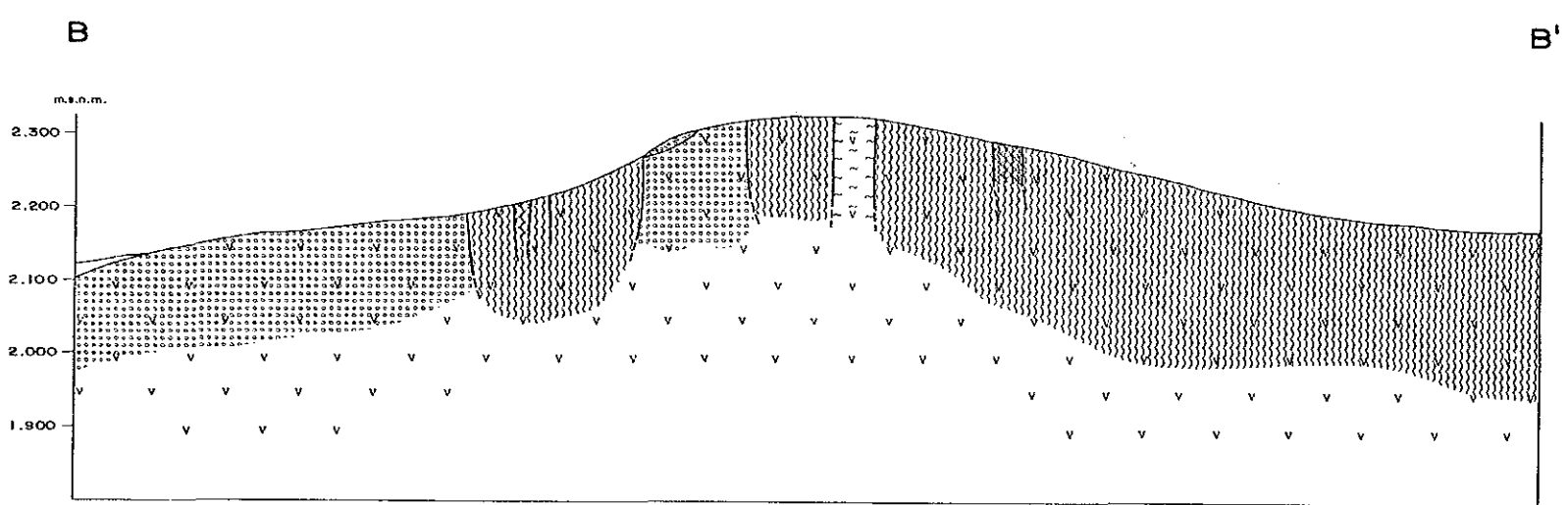
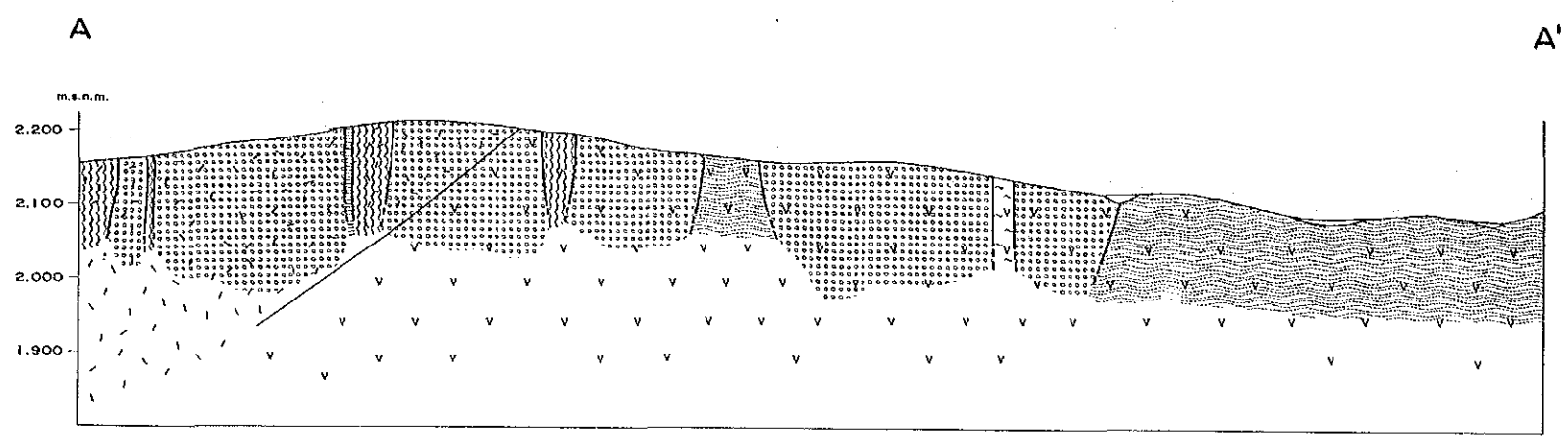
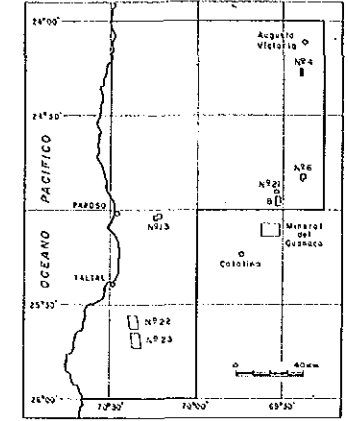
- LEYENDA
-  Arenas y gravas
  -  Tobas andesiticas
  -  Andesitas
  -  Vetillas tipo "Network"
  -  Vetillas tipo preferencial
  -  Impregnacion de limonita
  -  Zona silicificada
  -  Zona argilizada gris
  -  Zona argilizada amarilla
  -  Zona argilizada gris verdoso claro
  -  Zona argilizada verde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



PLANO DE PERFIL GEOLOGICO AREA N° 4

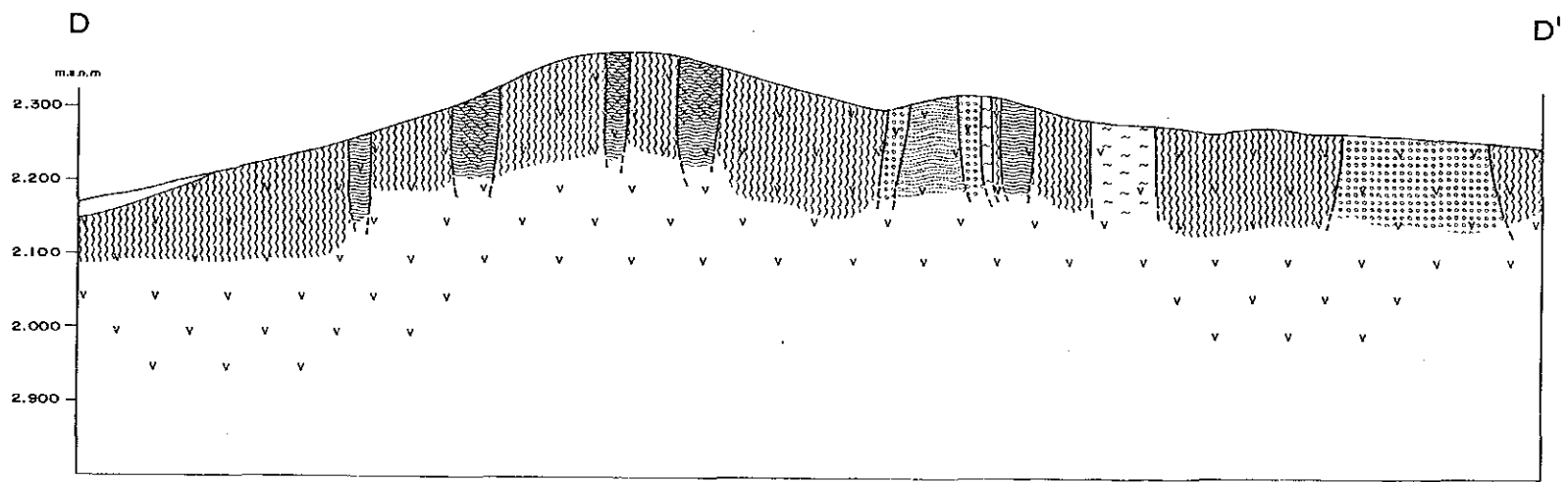
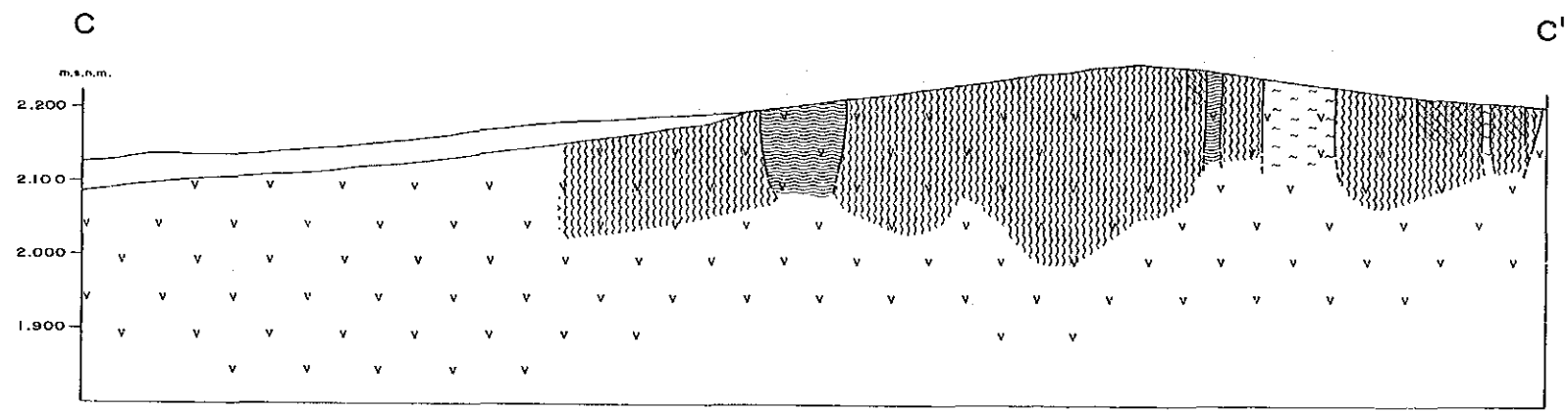
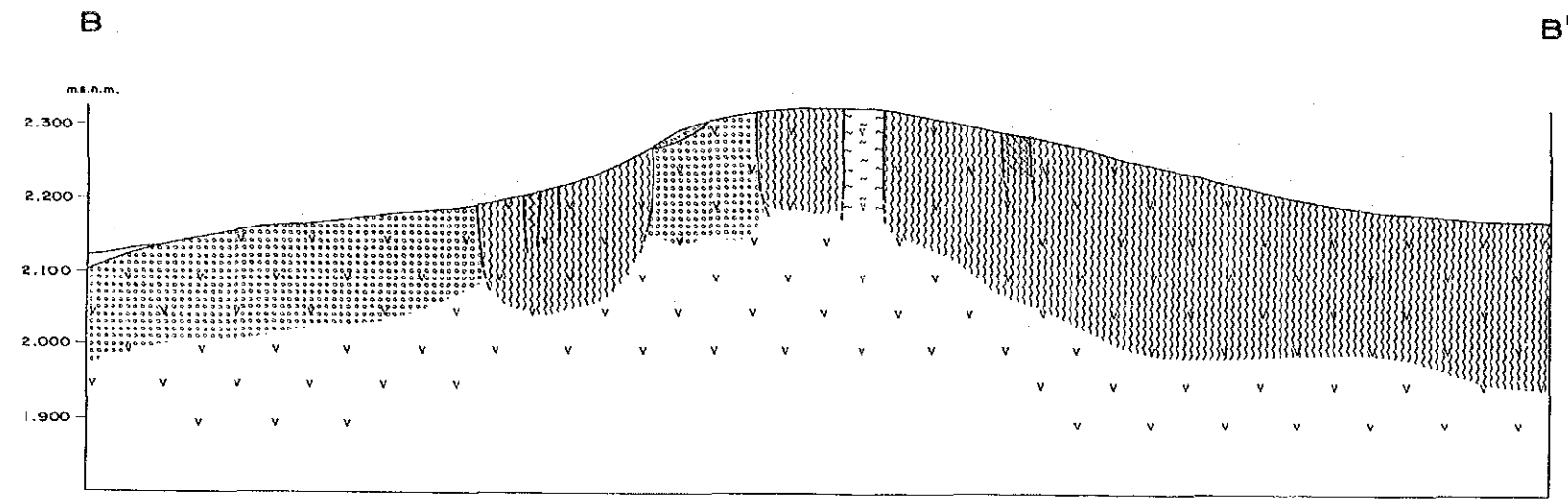
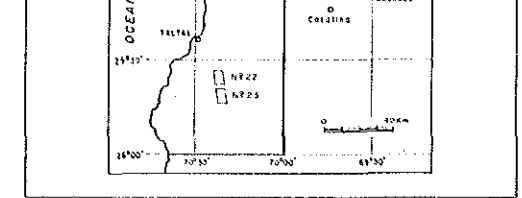
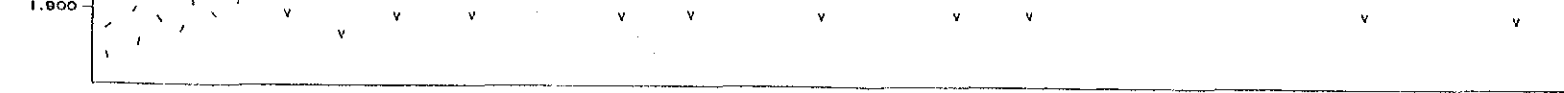
ESCALA 1:5.000

MAPA DE UBICACION



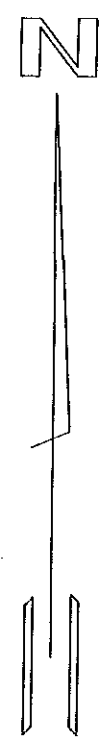
LEYENDA

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

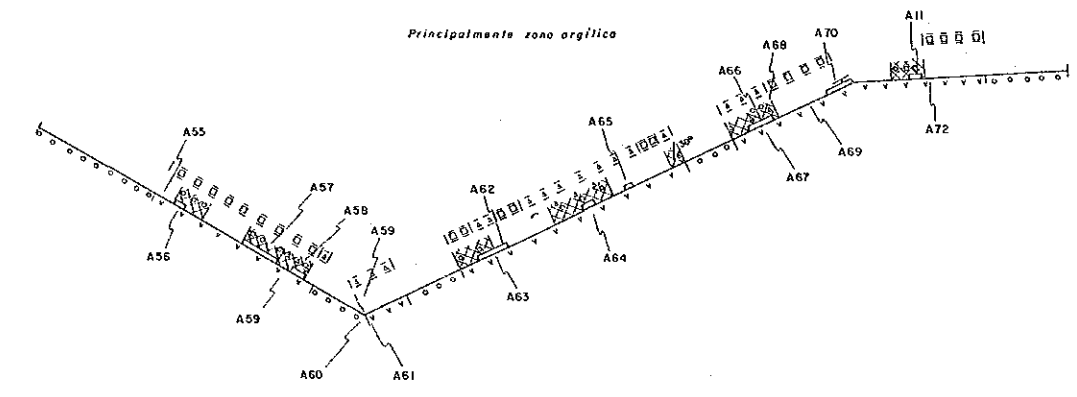


LEYENDA

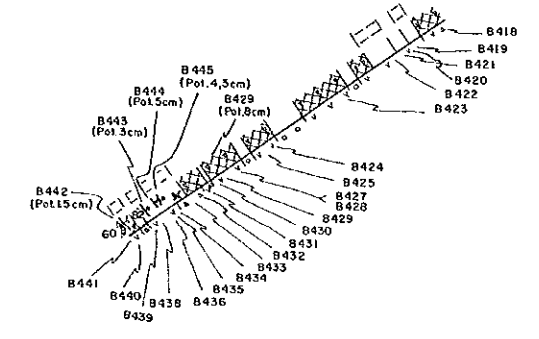
- Arenas y gravas
- Tobas andesíticas
- Andesitas
- Vetillas tipo "Network"
- Vetillas tipo preferencial
- Impregnacion de limonita
- Zona silicificada
- Zona argilizada gris
- Zona argilizada amarilla
- Zona argilizada gris verdoso claro
- Zona argilizada verde oscuro



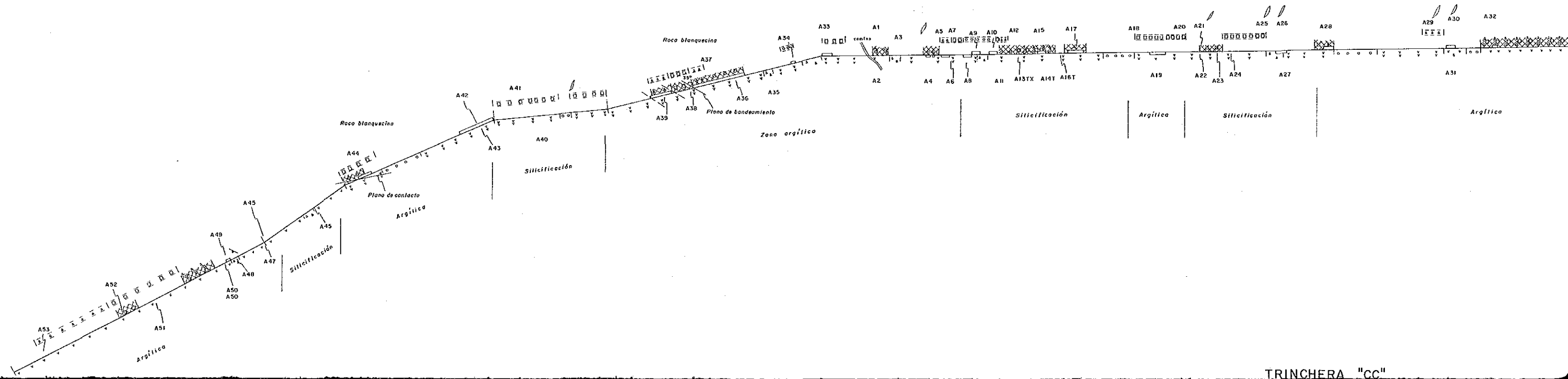
### TRINCHERA "A-55"



### TRINCHERA "I"

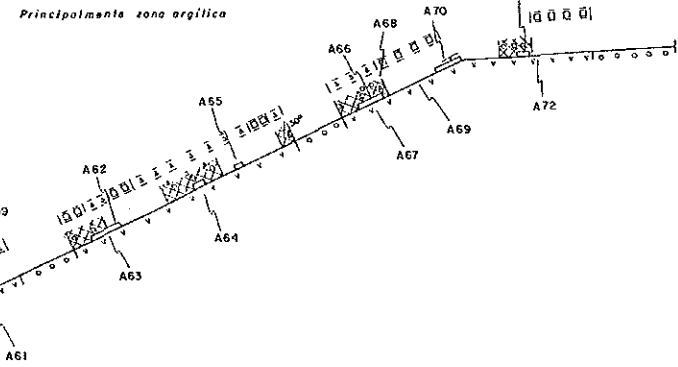


### TRINCHERA "D"

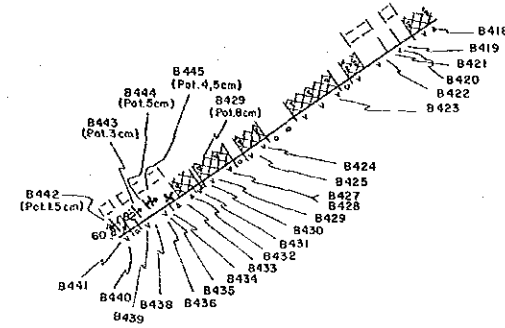


### TRINCHERA "CC"

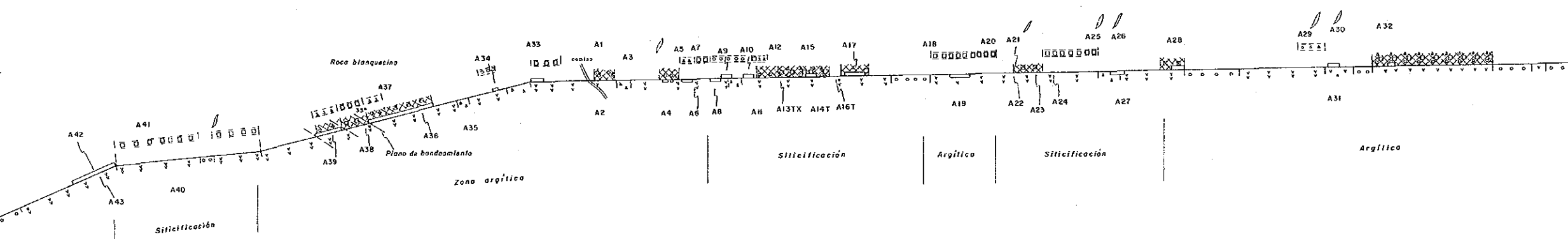
TRINCHERA "A-55"



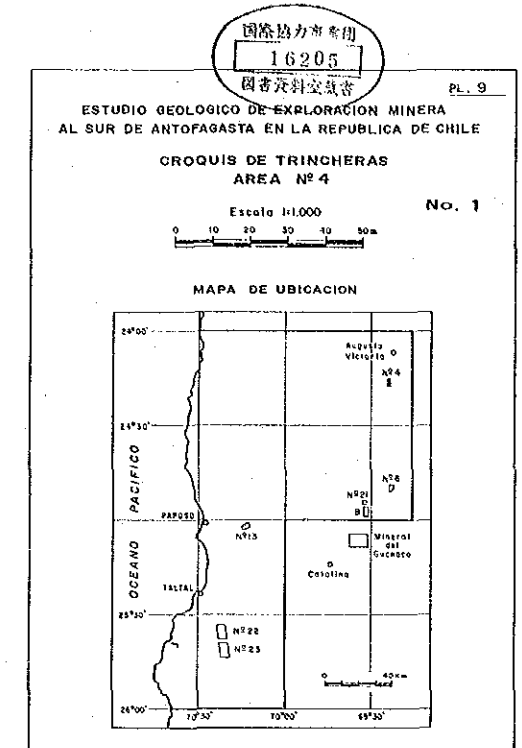
TRINCHERA "I"



TRINCHERA "D"



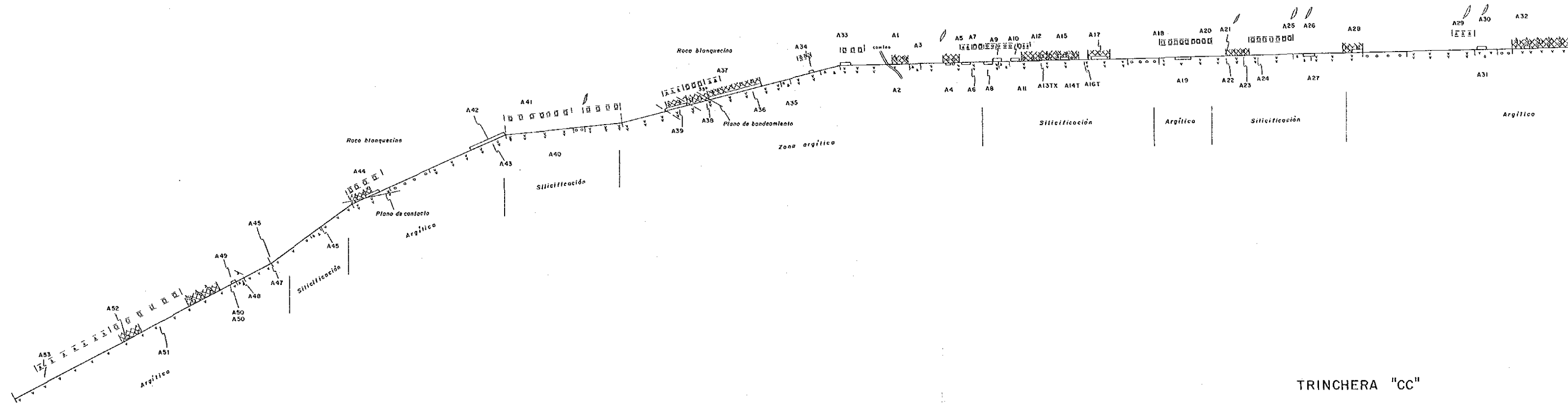
TRINCHERA "CC"



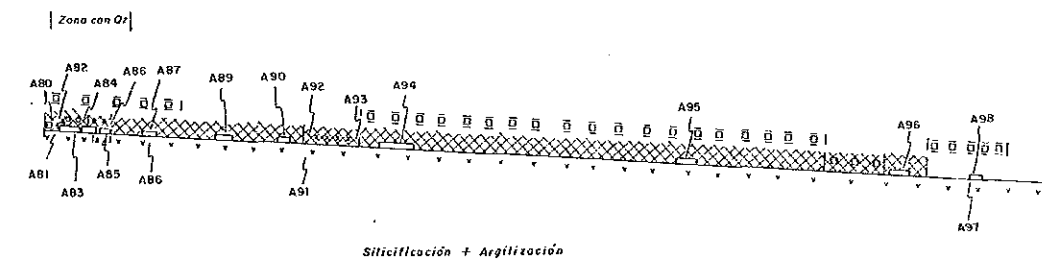
LEYENDA

|  |  |
|--|--|
|  | Andesita porfírica                                       |
|  | Roca atántico indeterminada                              |
|  | 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                                   |
|  | Quedades abiertas y rellenas                             |
|  | Sistema principal de fractura                            |
|  | Zona de fracturamiento                                   |
|  | Sector de recolección de muestra geoquímica              |

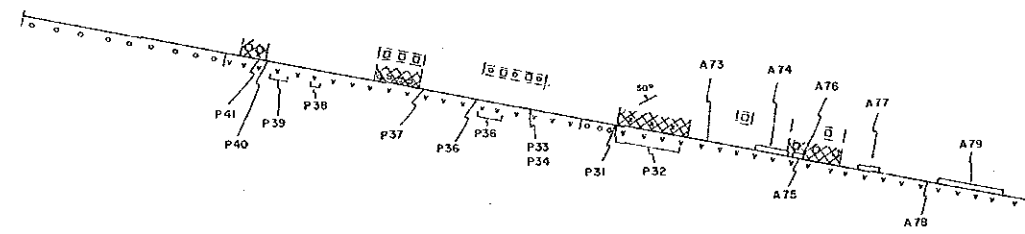
TRINCHERA "D"



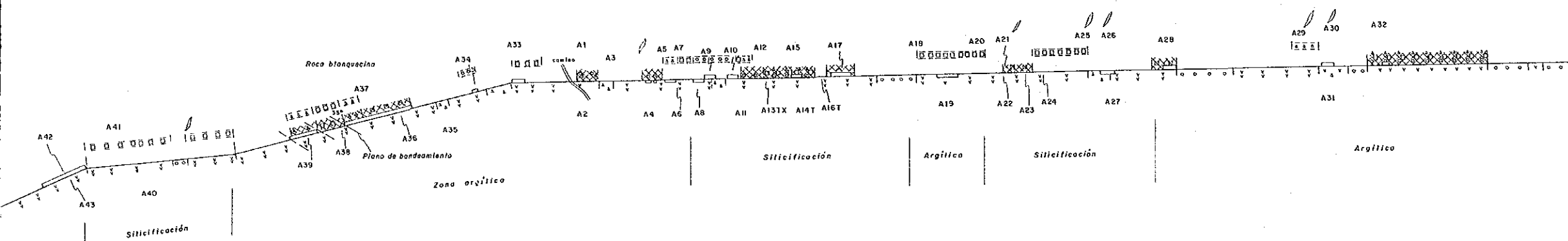
TRINCHERA "CC"



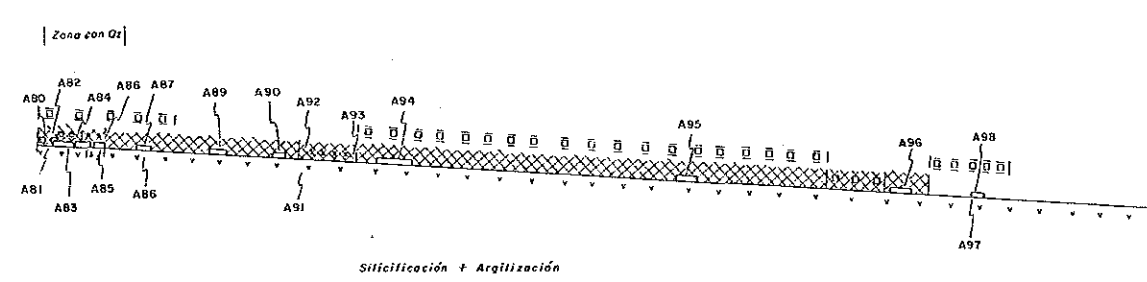
TRINCHERA "C"



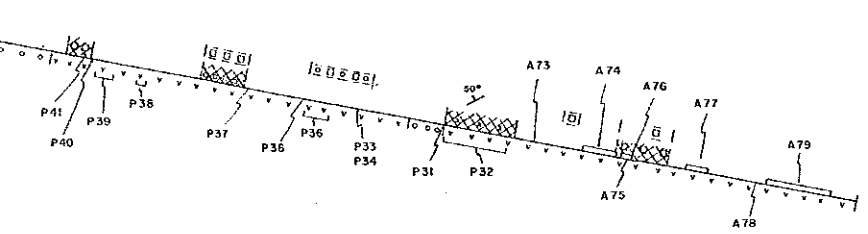
TRINCHERA "D"



TRINCHERA "CC"



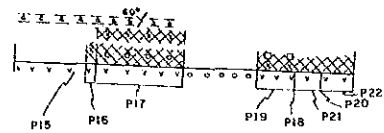
TRINCHERA "C"



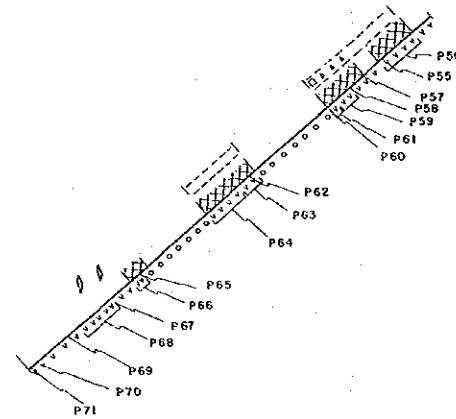
|  |  |
|--|--|
|  | Coluvio  |
|  | Zona brechizada  |
|  | Vetillas tipo "network" con limonitas                    |
|  | " " " " " " , principalmente goetita                     |
|  | " " " " " " , principalmente hematita                    |
|  | " " " " " " , principalmente jarosita                    |
|  | " " " " " " 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                                   |
|  | Quedades abiertas y rellenas                             |
|  | Sistema principal de fractura                            |
|  | Zona de fracturamiento                                   |
|  | Sector de recolección de muestra geoquímica              |
|  | A3   |



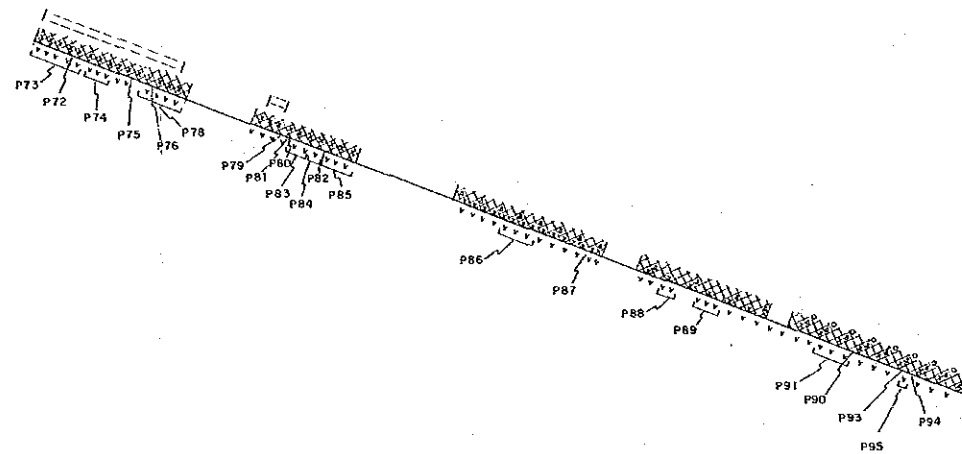
TRINCHERA "E"



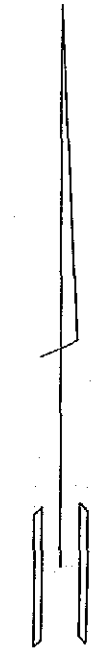
TRINCHERA "M"



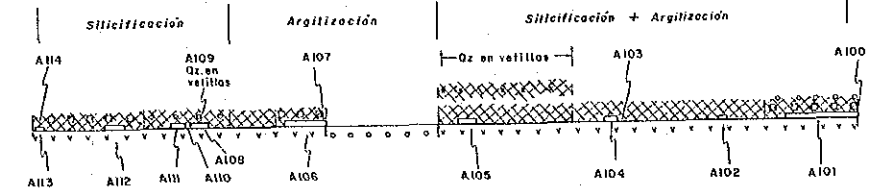
TRINCHERA "G"



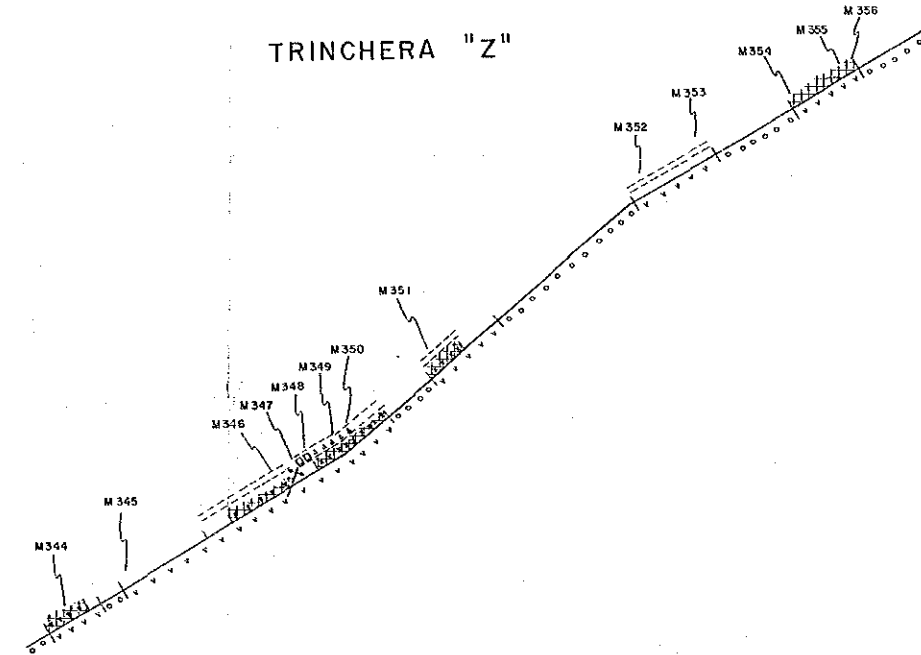
N



TRINCHERA "A"

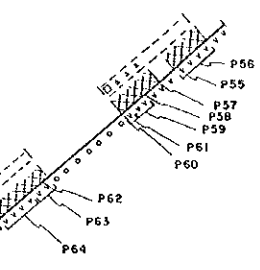


TRINCHERA "Z"



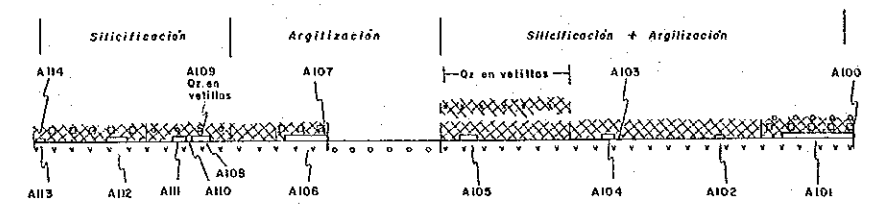
|  |              |
|--|--------------|
|  | Andesta p    |
|  | Roca afan    |
|  | Coluvio      |
|  | Zona breca   |
|  | Vetillas liq |
|  | "            |
|  | "            |
|  | "            |
|  | Vetillas de  |
|  | "            |
|  | "            |
|  | "            |
|  | "            |
|  | "            |
|  | "            |
|  | Impregnaci   |
|  | "            |
|  | "            |
|  | "            |
|  | Oquedades    |
|  | Sistema pri  |
|  | Zona de f    |
|  | Sector de r  |
|  | A3           |

TRINCHERA "M"

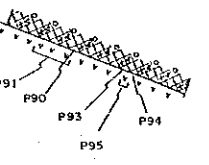
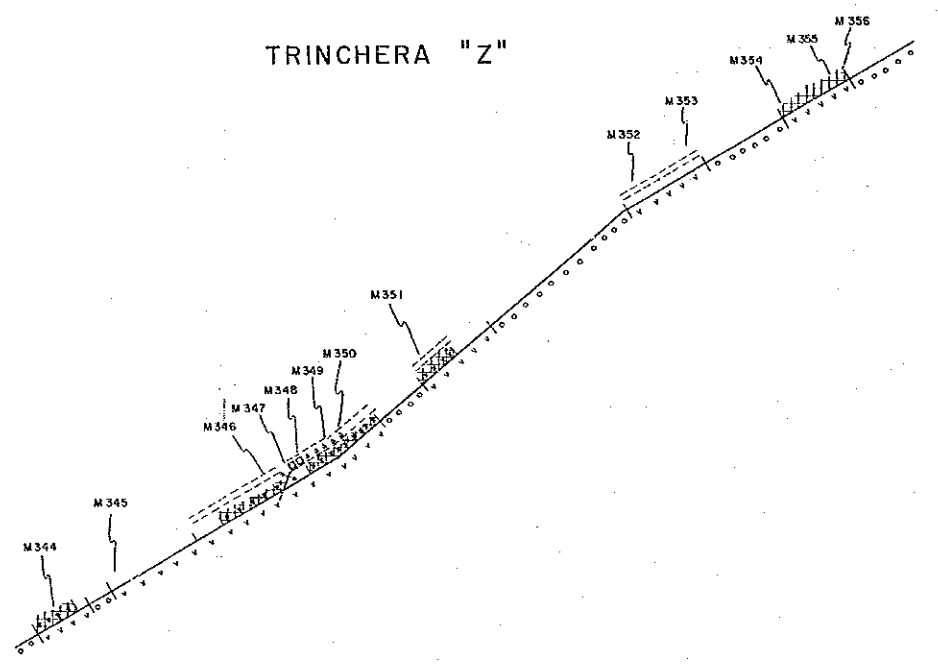


N

TRINCHERA "A"



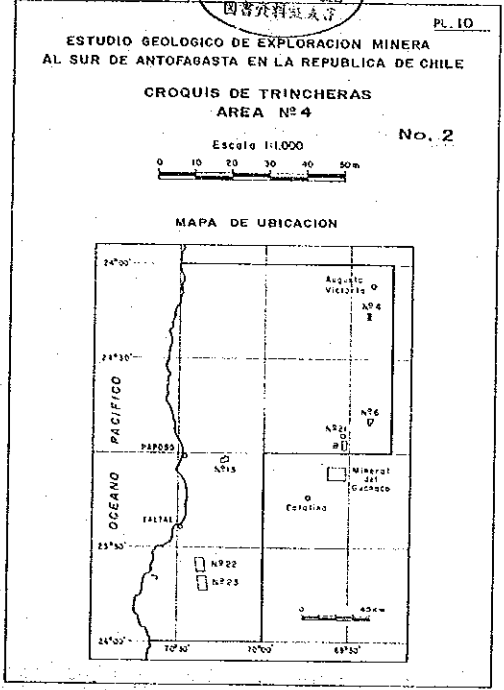
TRINCHERA "Z"

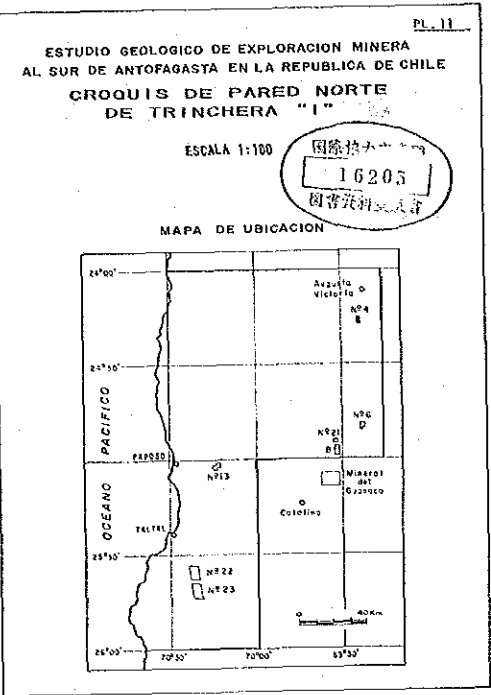
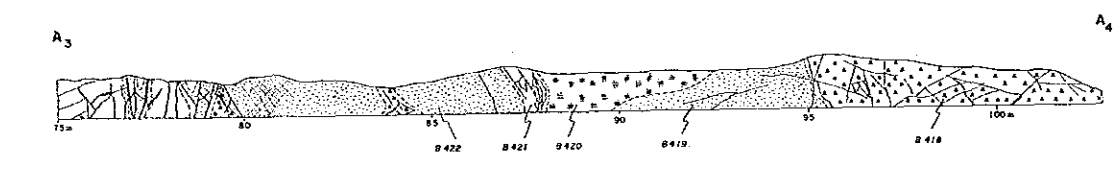
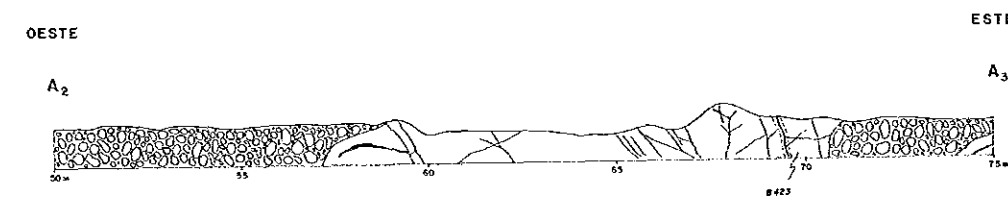
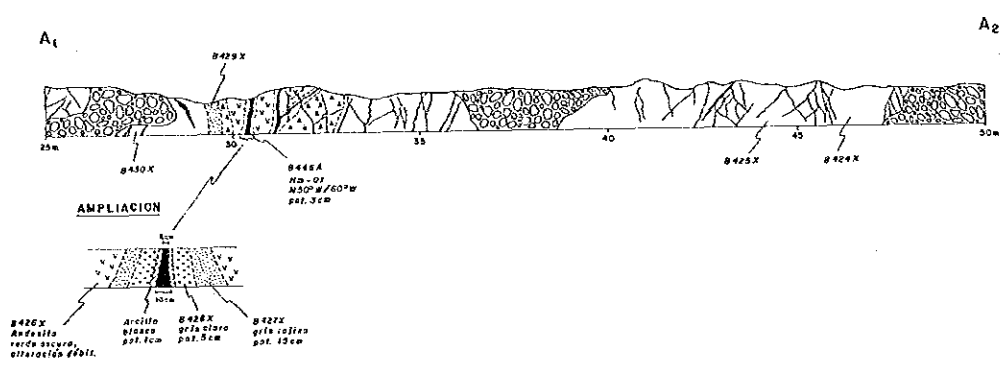
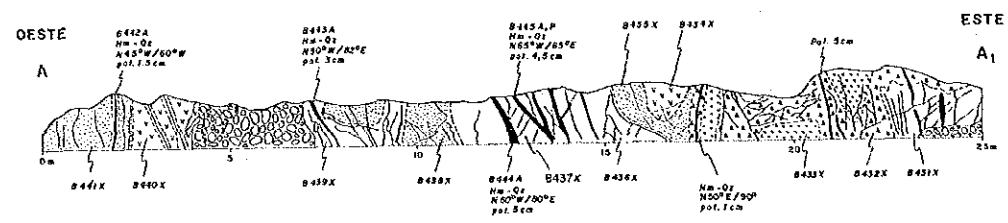


LEYENDA

- Andesita porfirica
- Roca afanítica indeterminada
- 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 rellenos
- Sistema principal de fractura
- Zona de fracturamiento
- Sector de recolección de muestra geoquímica

16205



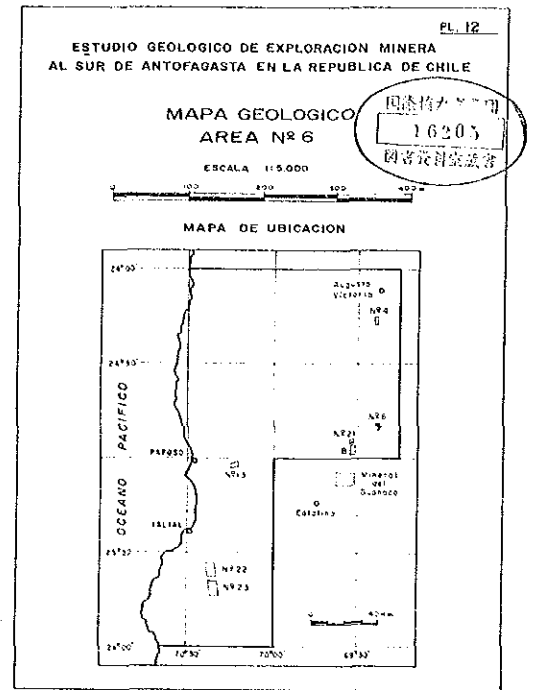
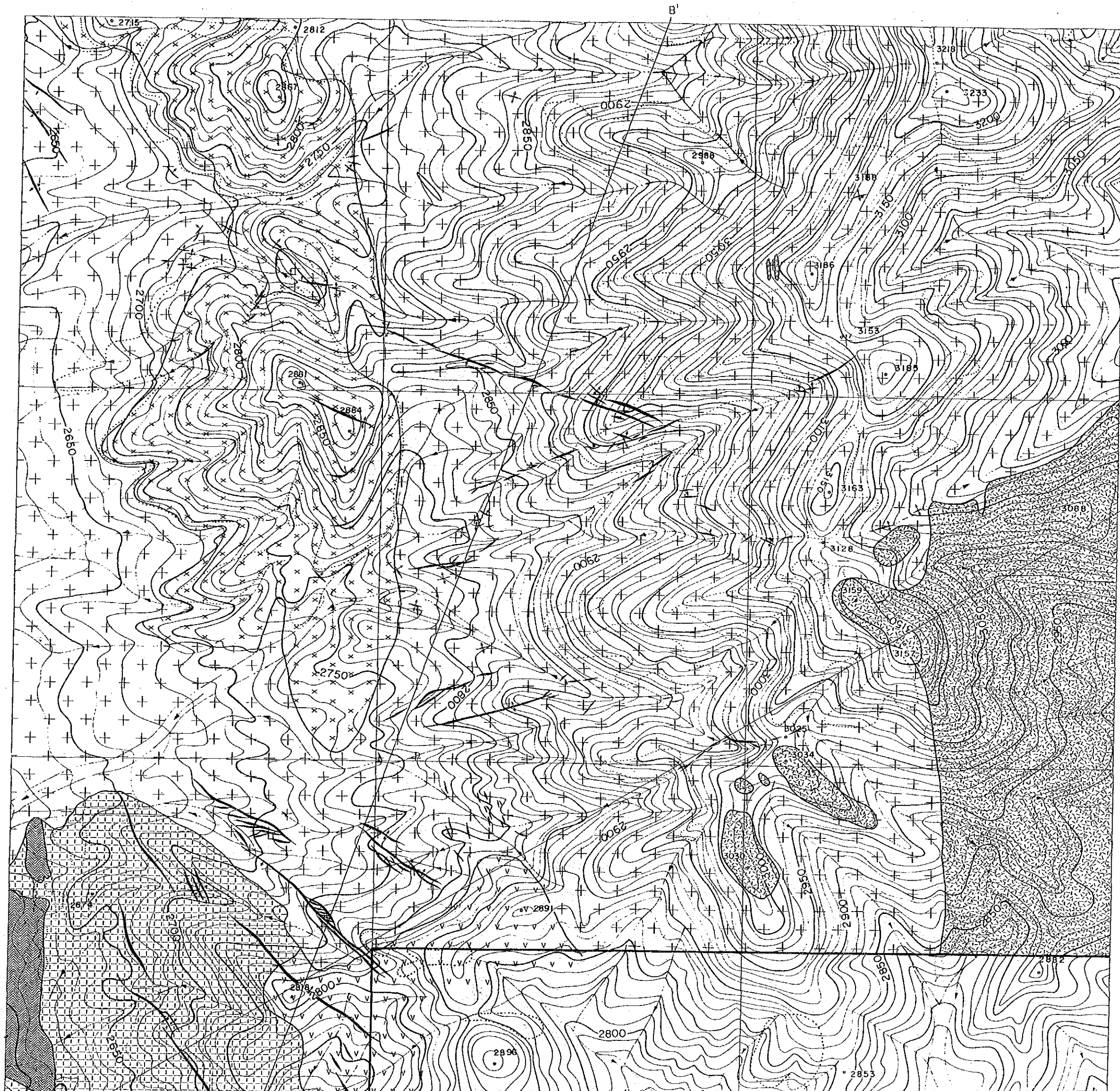


LEYENDA

- 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

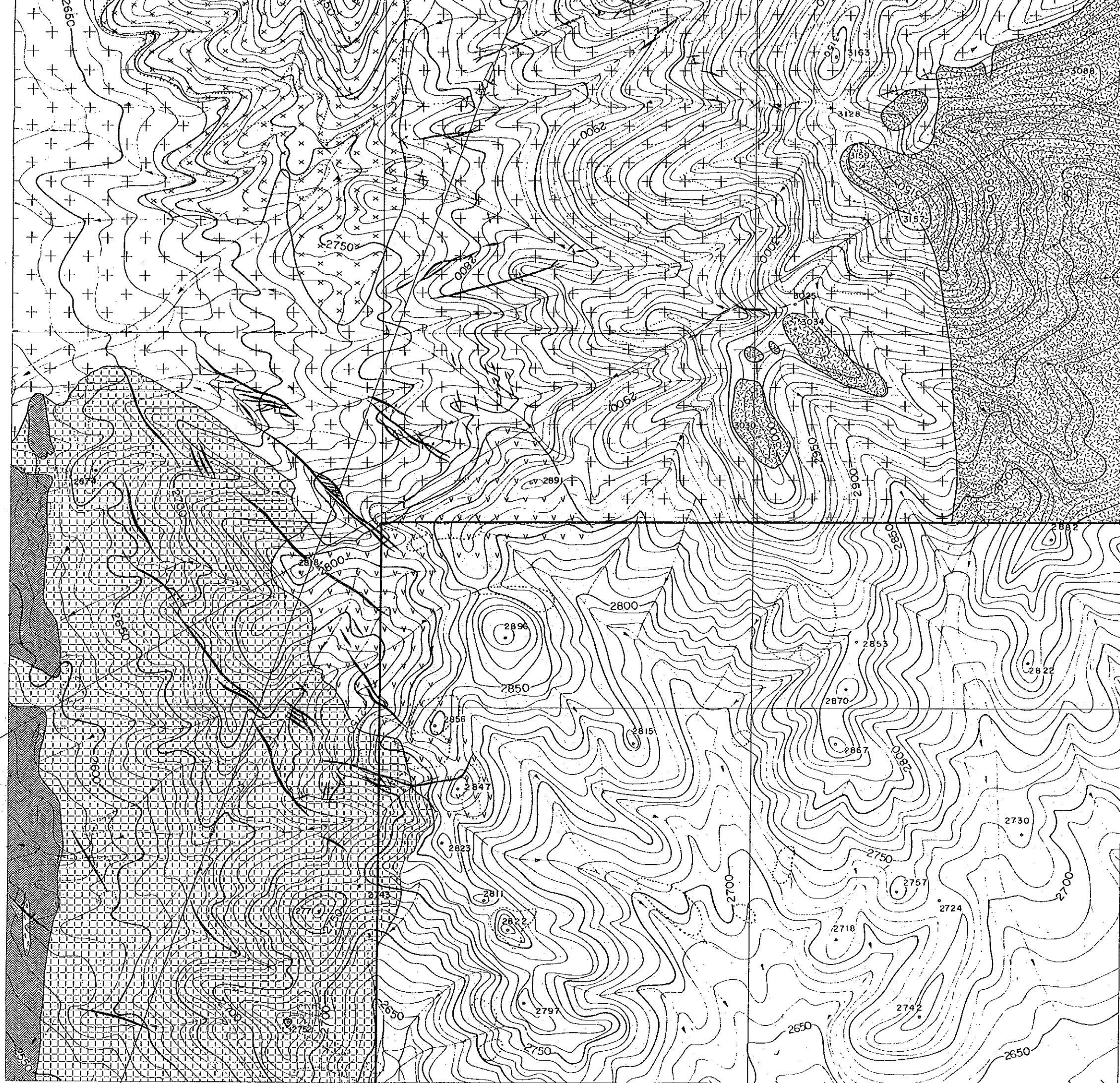
- Ha : Hematita
- Oz : Cuarzo
- Pot: Potencia



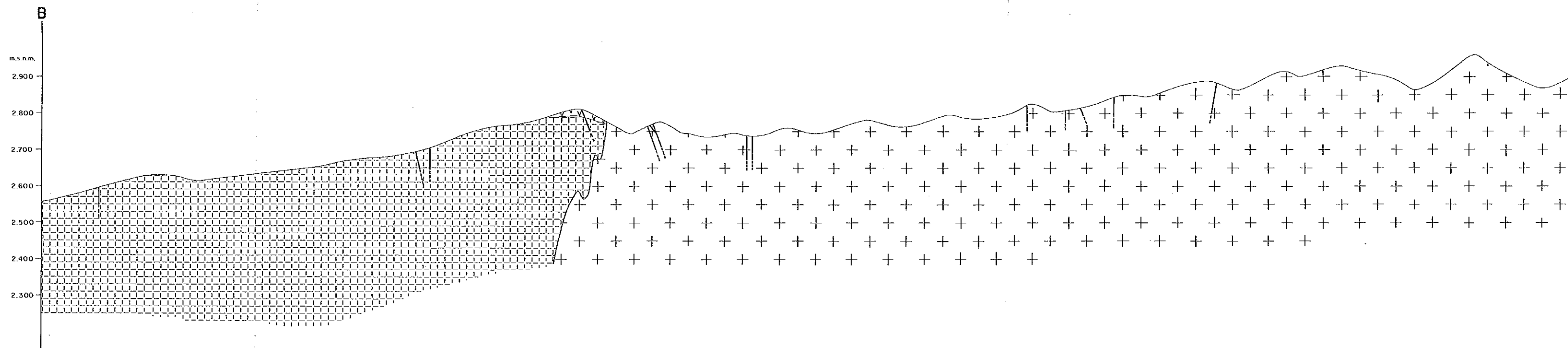
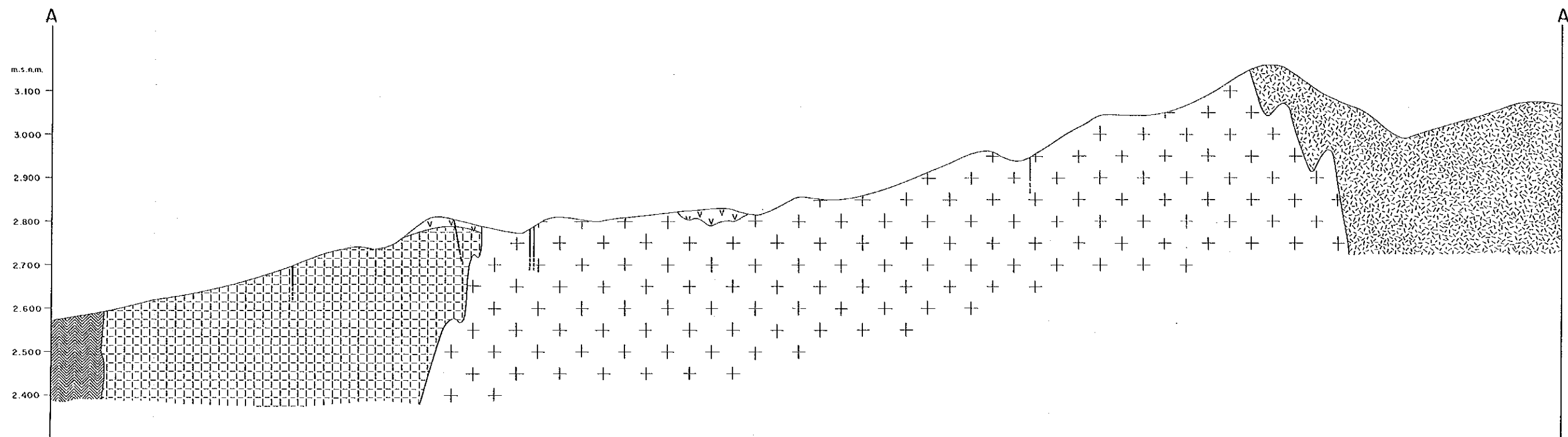
LEYENDA

- Andesitas
- Brechas tobáceas dacíticas y Tobos dacíticos de lapilli
- Lufitas
- Granodioritas
- Granitos opíticos
- "Stock" dacítico
- Dique andesítico
- Veto
- Rumbo y monte

-  Brechos tobáceos dacíticos y Tobas dacíticas de lapilli
-  Lutitas
-  Granodioritas
-  Granitos aptíticos
-  "Stock" dacítico
-  Dique andesítico
-  Veta
-  Rumbo y manto



B



16205

PL. 13

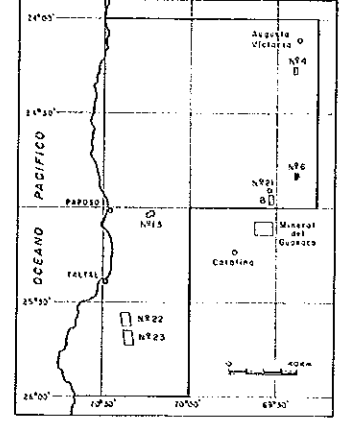
ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

MAPA DE PERFIL GEOLOGICO  
AREA N° 6







ESCALA 1:15.000

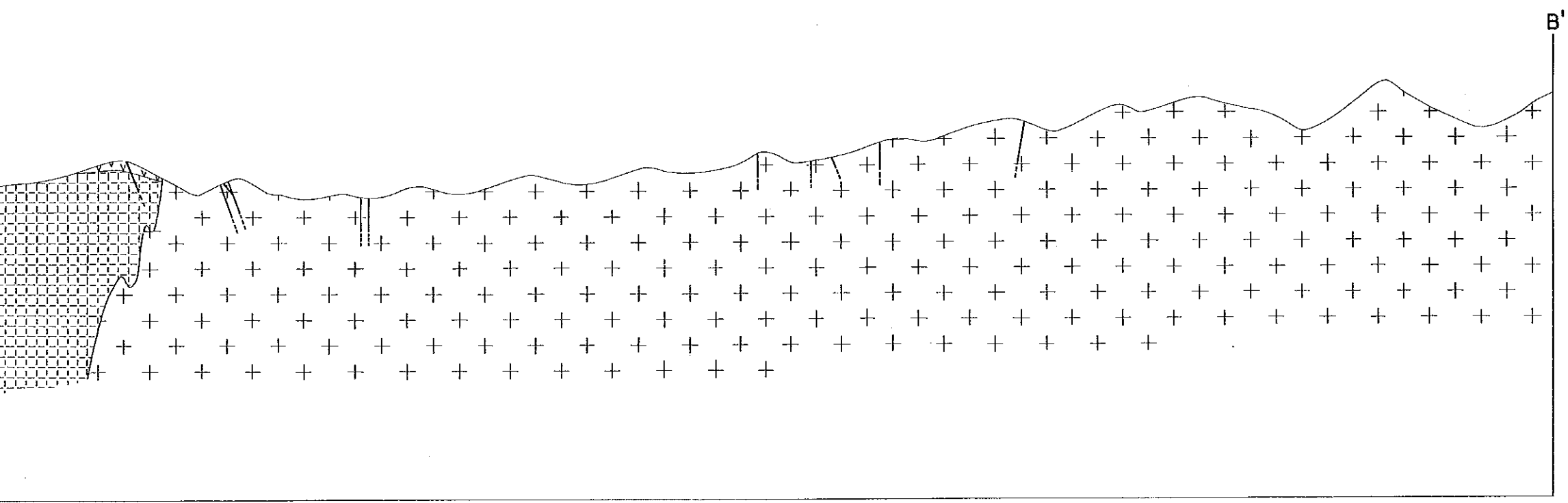
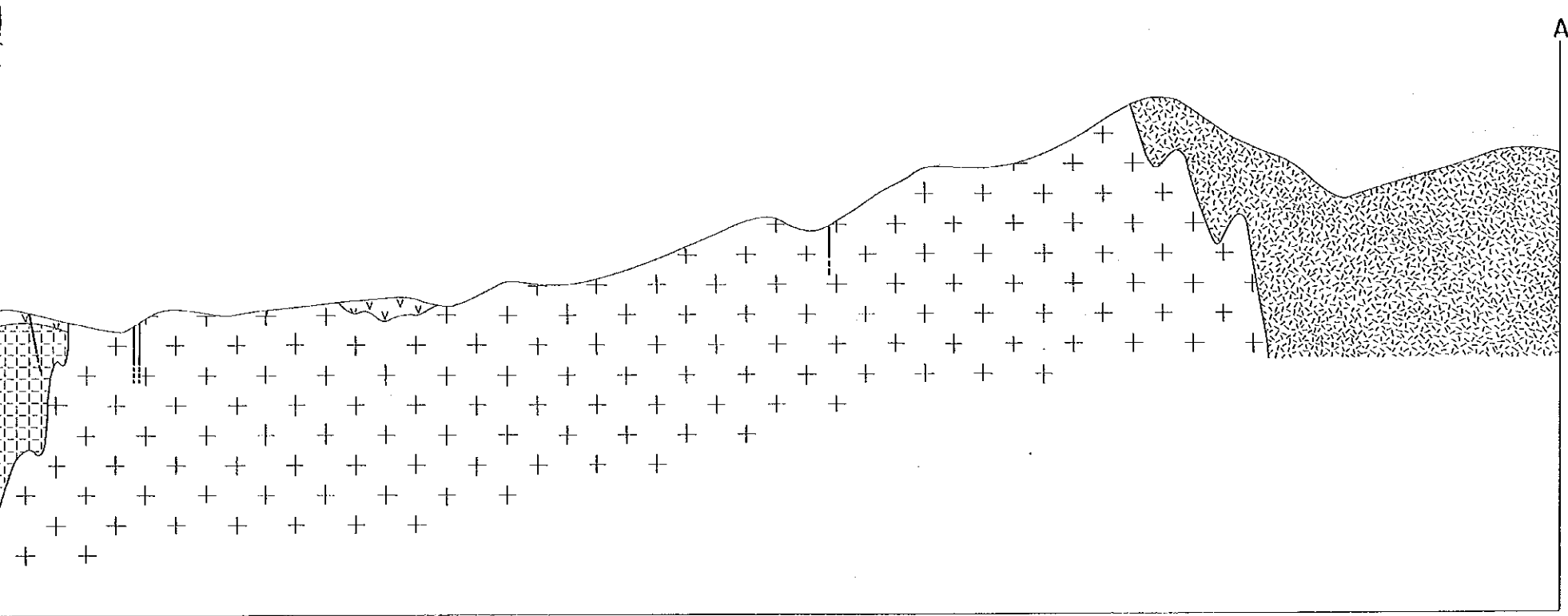


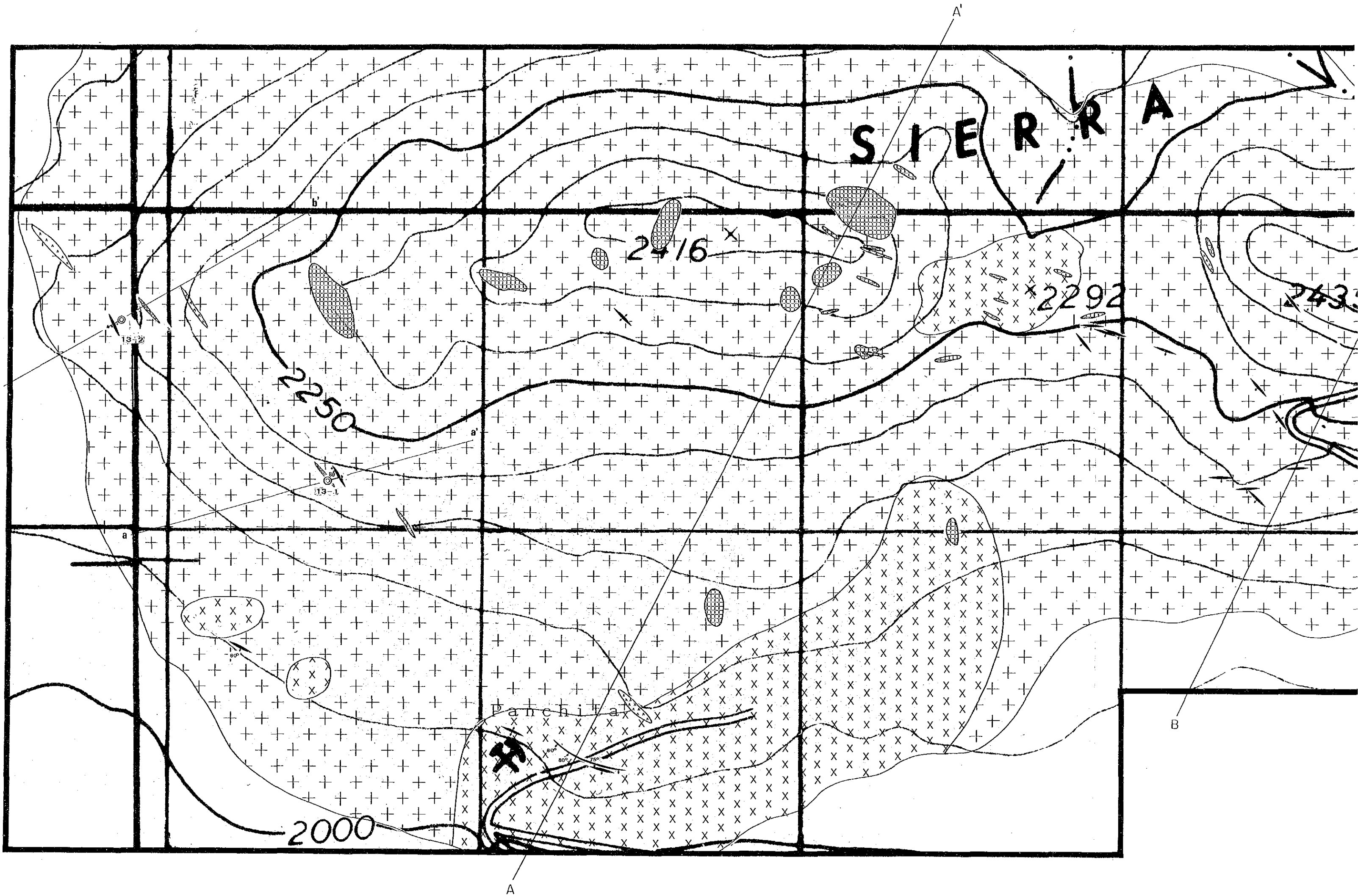
MAPA DE UBICACION



LEYENDA

-  Andesitas
-  Brechas tobáceas dacíticas y Tobas dacíticas de lapilli
-  Lulitos
-  Granodioritas
-  "Stock" dacítico
-  Veta





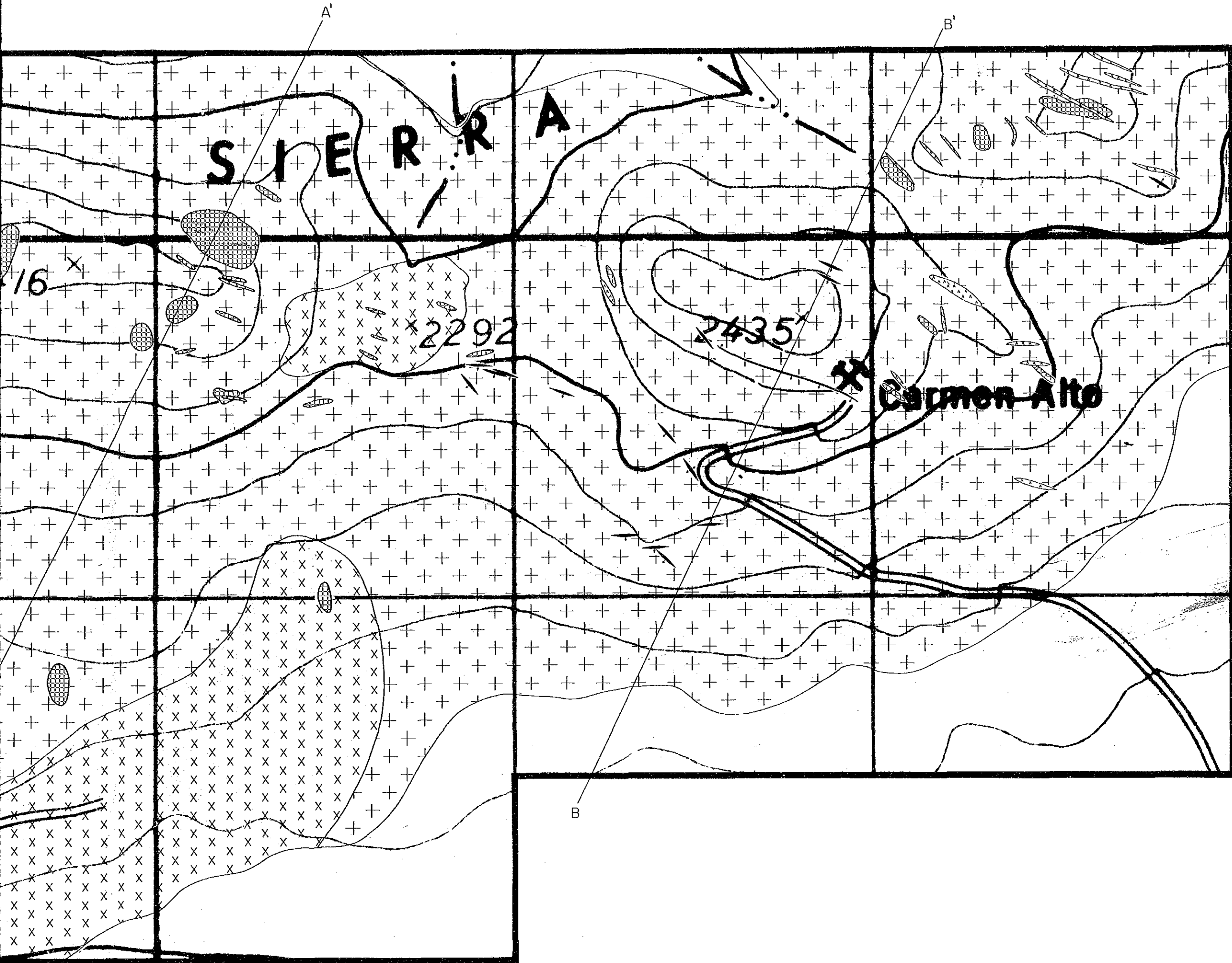
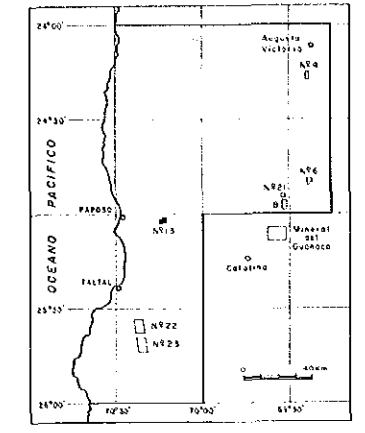


ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE  
MAPA GEOLOGICO Y PLANO DE  
UBICACION DE SONDAJE  
AREA No. 13


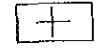
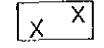

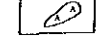
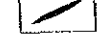
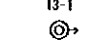
ESCALA 1:5.000



MAPA DE UBICACION



LEYENDA

-  Arenas y gravas
-  Granodiorita
-  Monzodiorita
-  "Stocks" microgranítico
-  Diques andesíticos
-  Veta
-  13-1 Ubicación de sondejo y Número de sondejo

16205

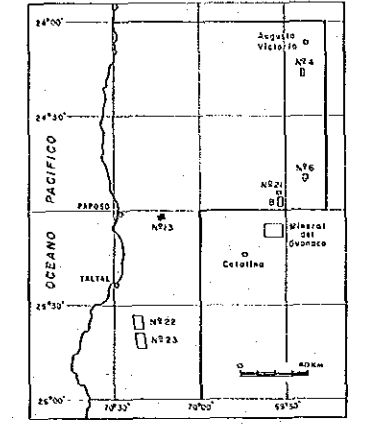
PL. 15

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







MAPA DE PERFIL GEOLOGICO  
AREA Nº 13

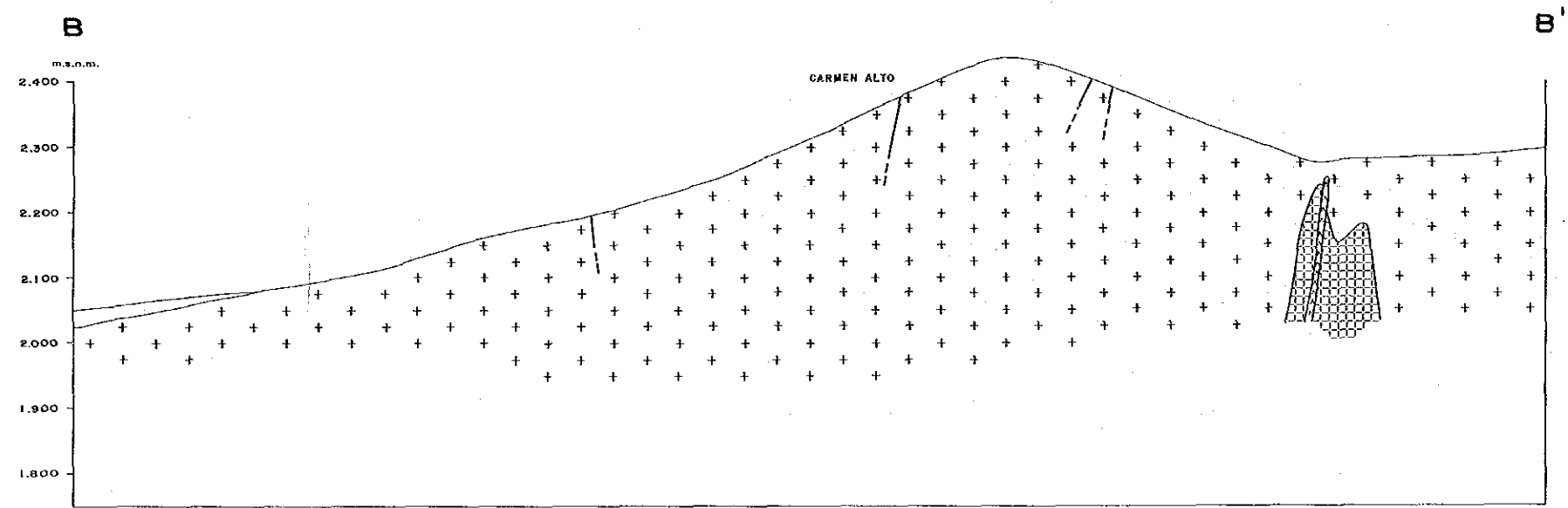
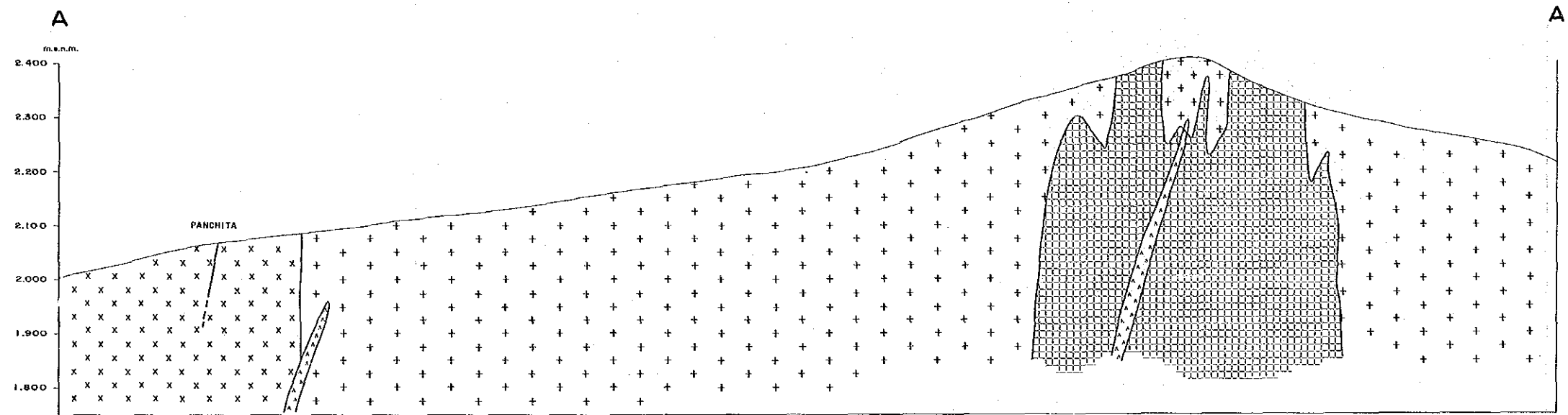
ESCALA 1:8.000

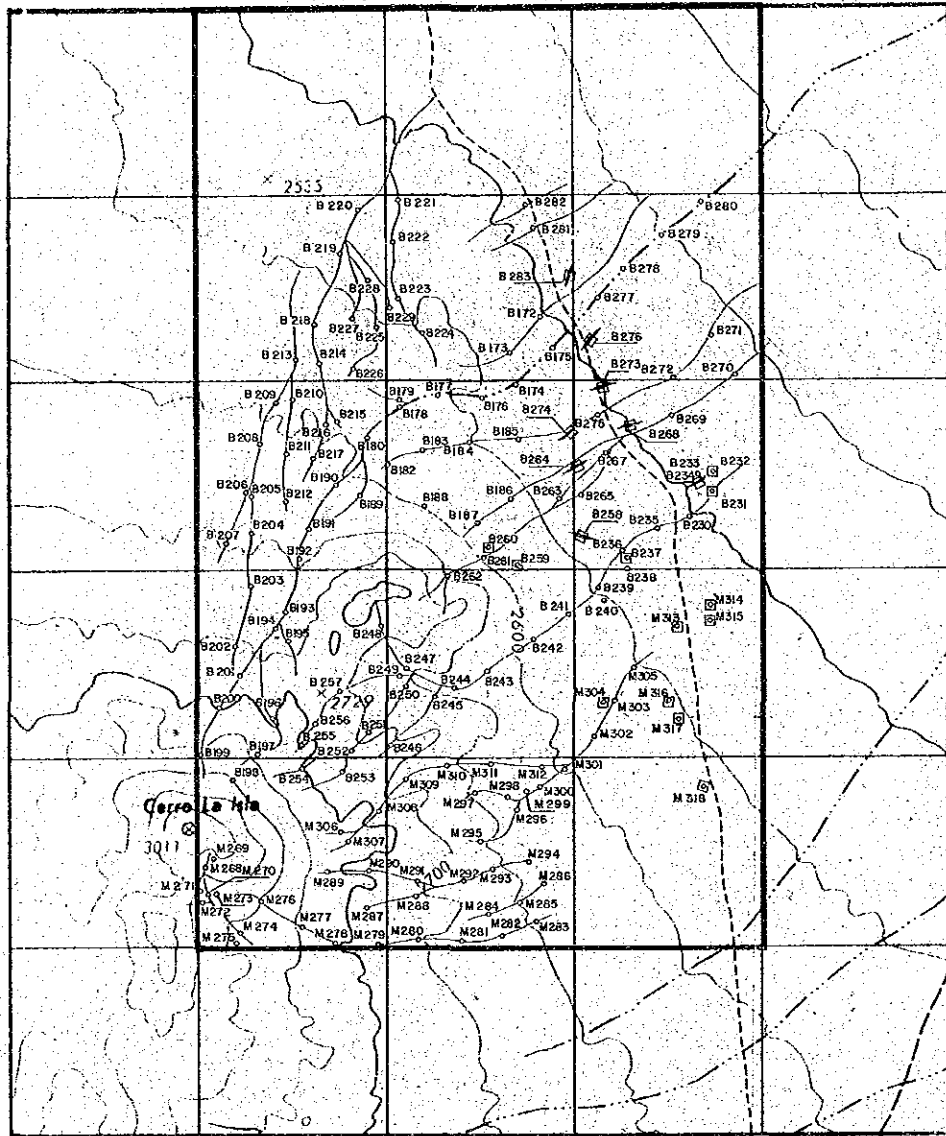
MAPA DE UBICACION



LEYENDA

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





16205

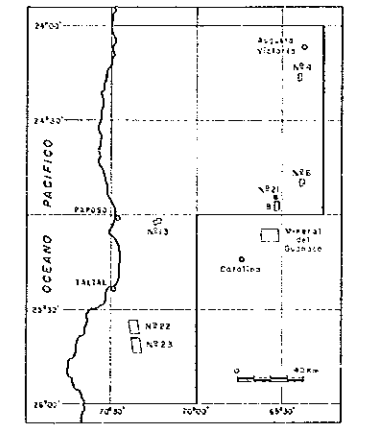
PL. 16

ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE  
PLANO DE UBICACION DE MUESTRAS  
AREA Nº 21

ESCALA 1:20.000



MAPA DE UBICACION



LEYENDA

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

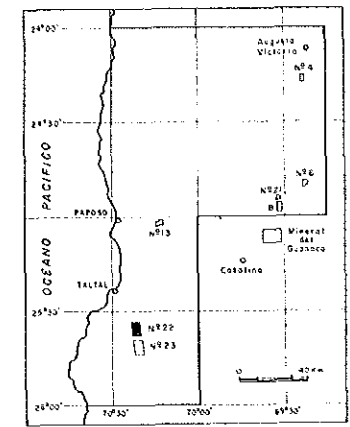
ESTUDIO GEOLOGICO DE EXPLORACION MINERA  
AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

PLANO DE UBICACION DE MUESTRAS  
AREA N° 22

ESCALA 1:20000

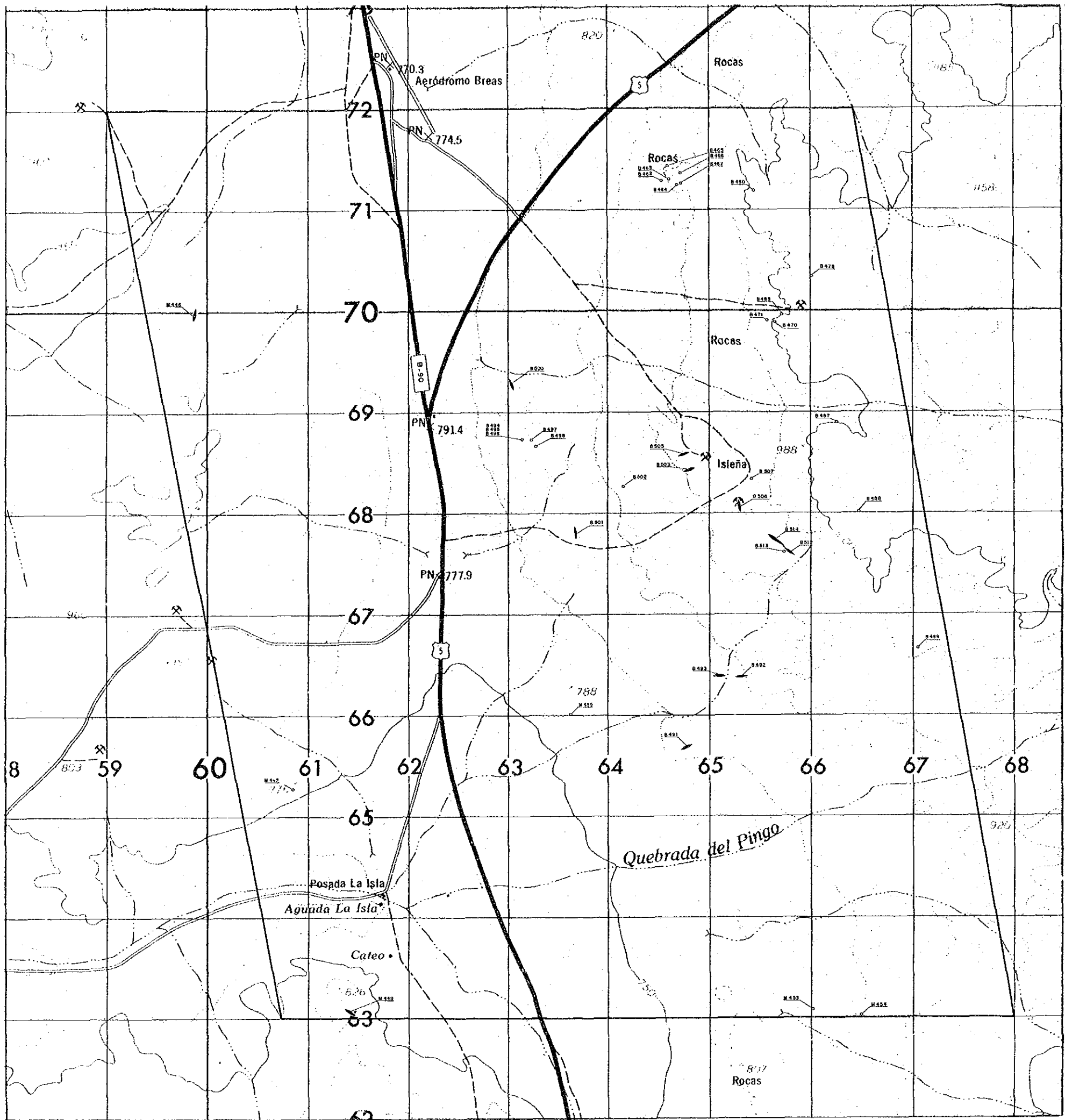


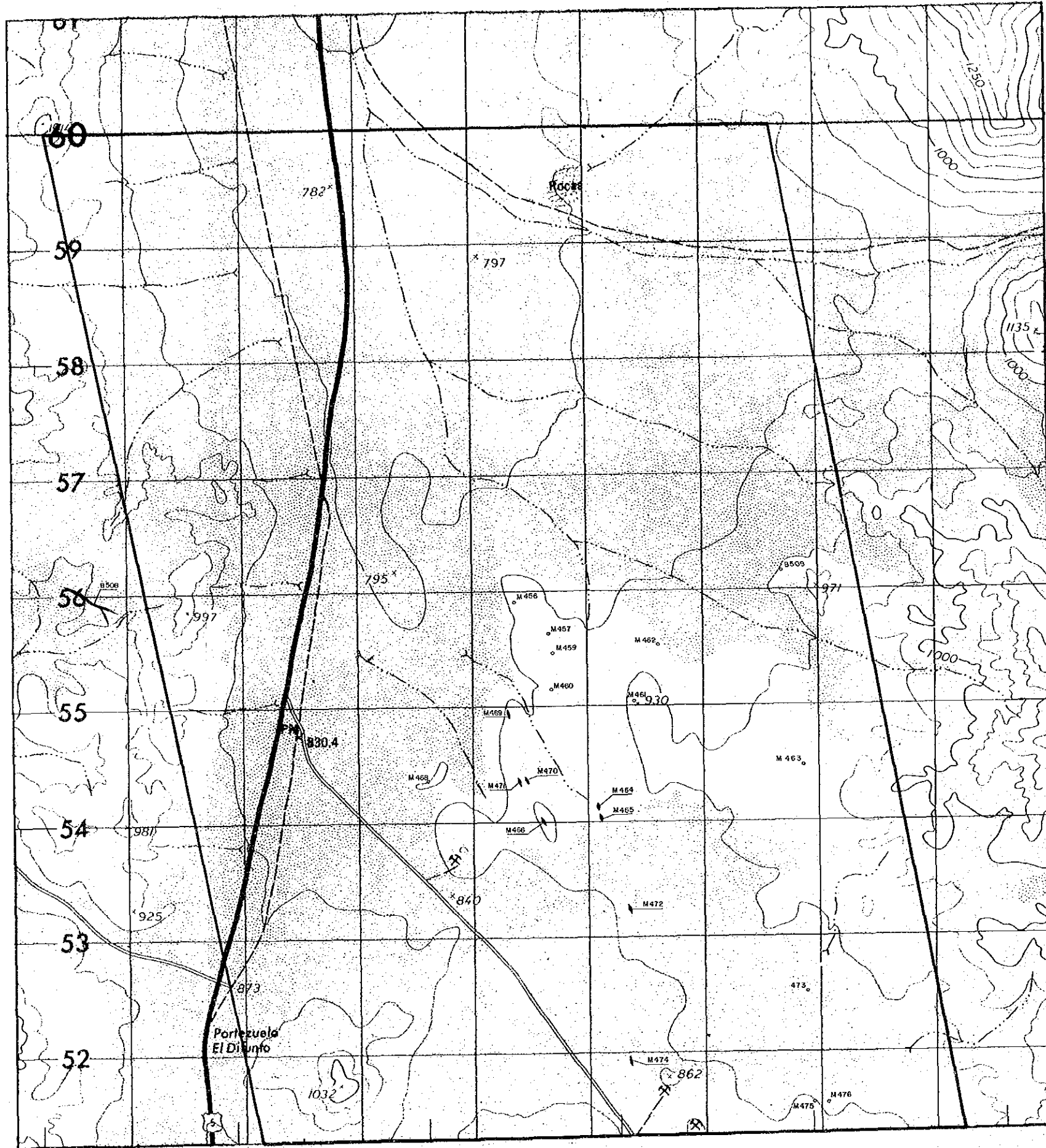
MAPA DE UBICACION



LEYENDA

- Ubicación de muestra
- Ubicación de muestra en Veta





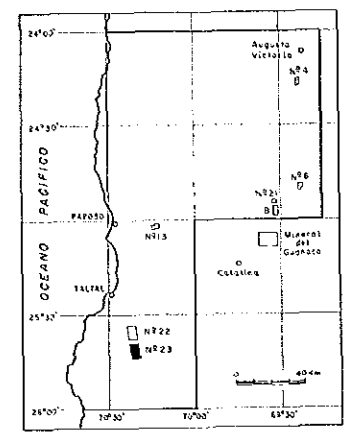
16205

PL. 19

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



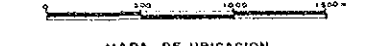
LEYENDA

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

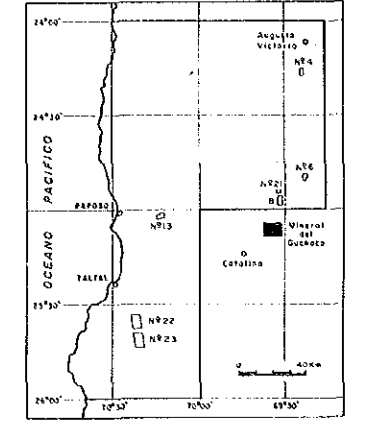
ESTUDIO GEOLOGICO DE EXPLORACION MINERA AL SUR DE ANTOFAGASTA EN LA REPUBLICA DE CHILE

PLANO DE UBICACION DE MUESTRAS AREA MINERAL DEL GUANACO

ESCALA 1:20000

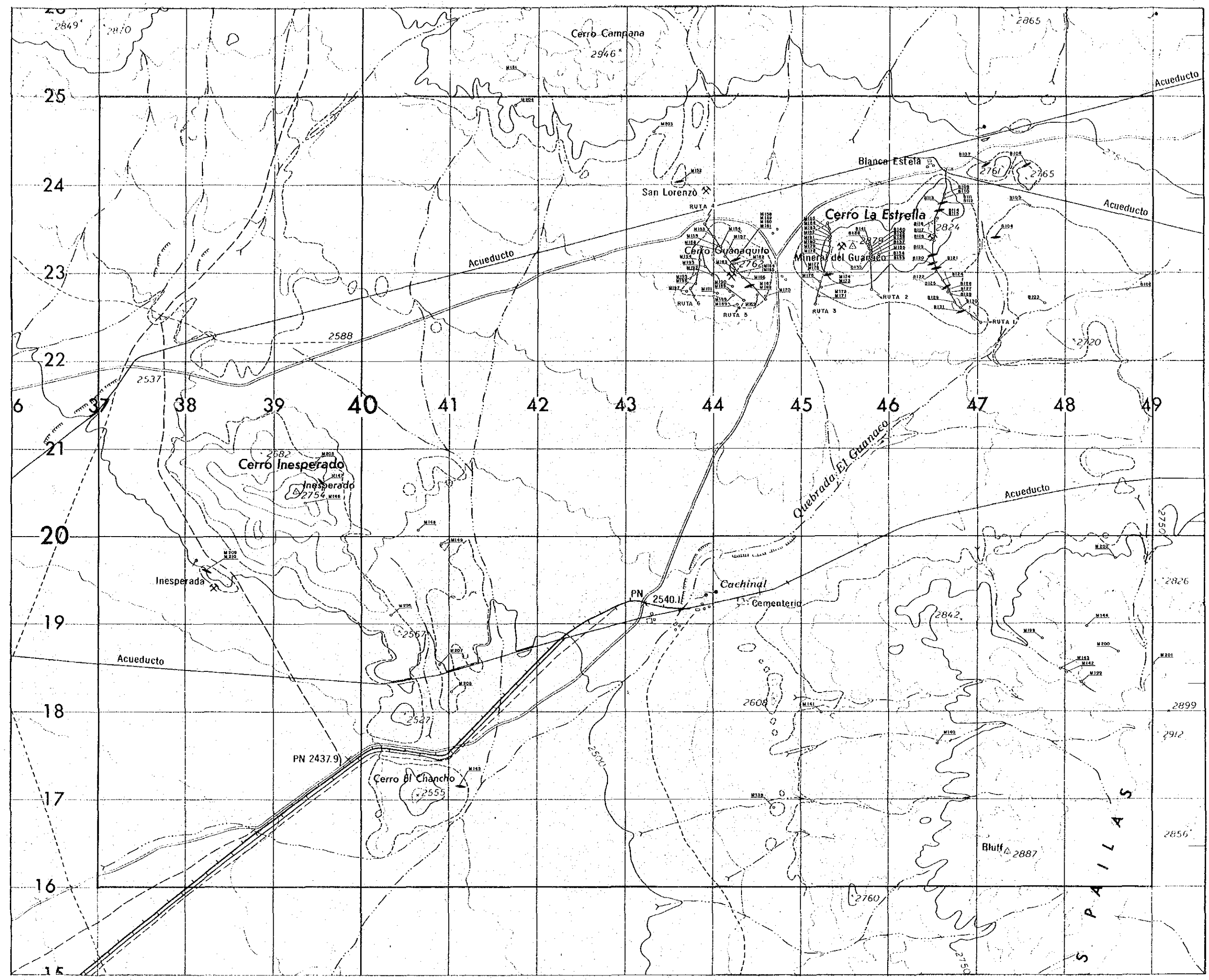


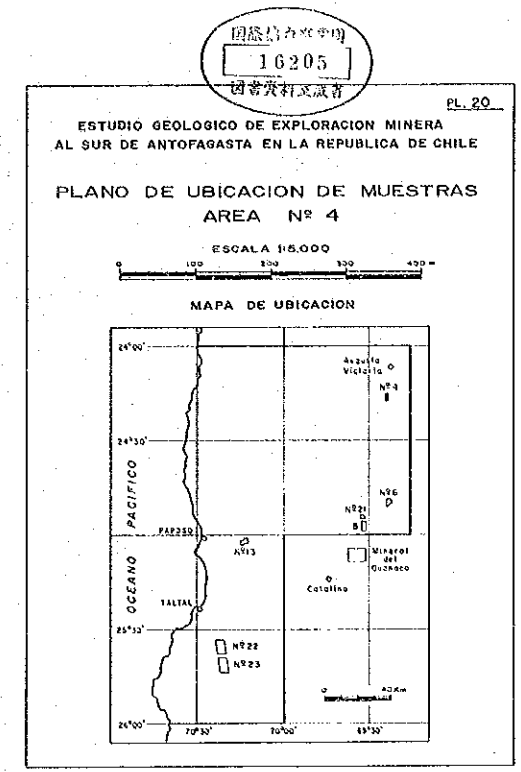
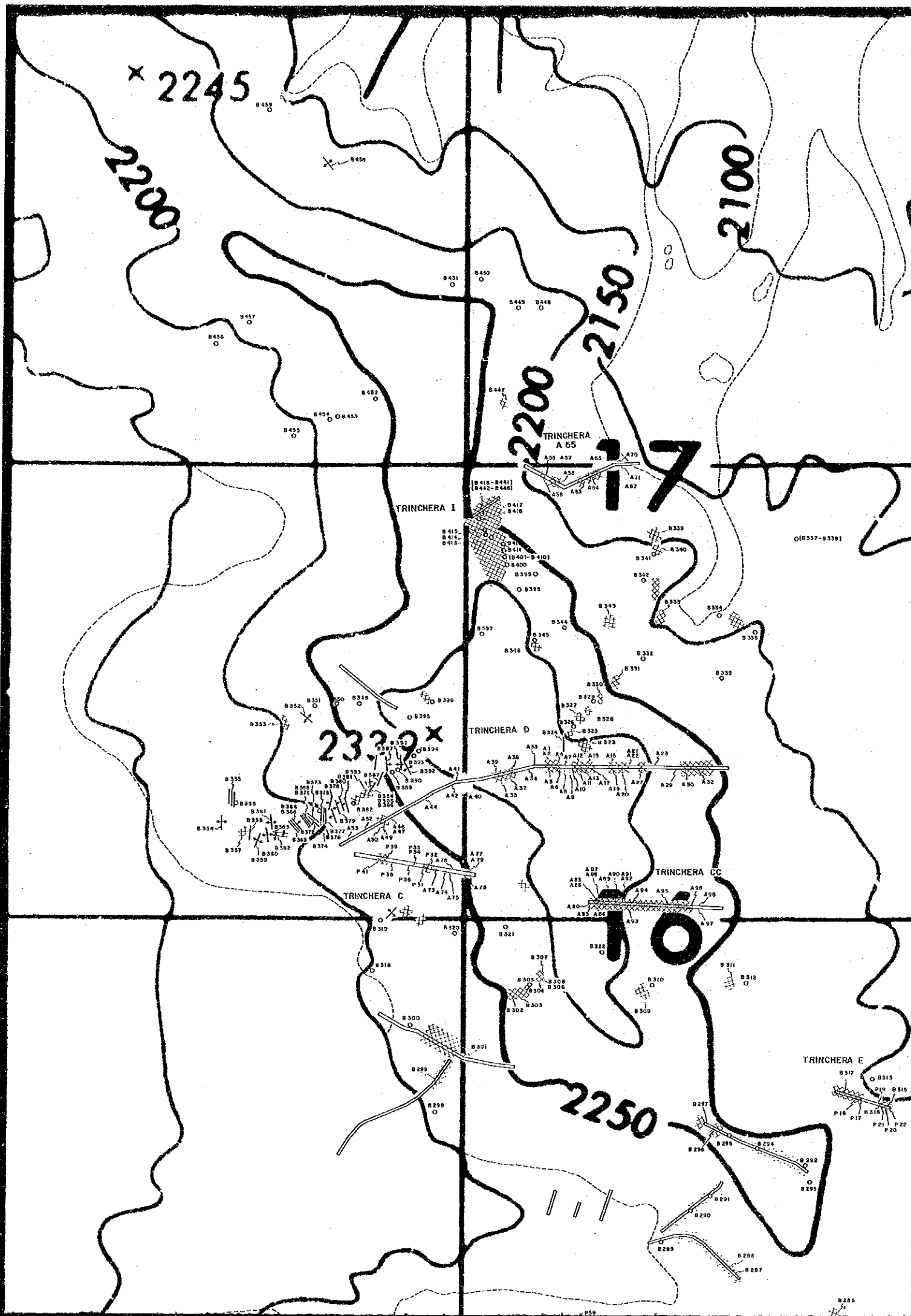
MAPA DE UBICACION



LEYENDA

- M202 Ubicación de muestra
- B132 Ubicación de muestra en veta





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

