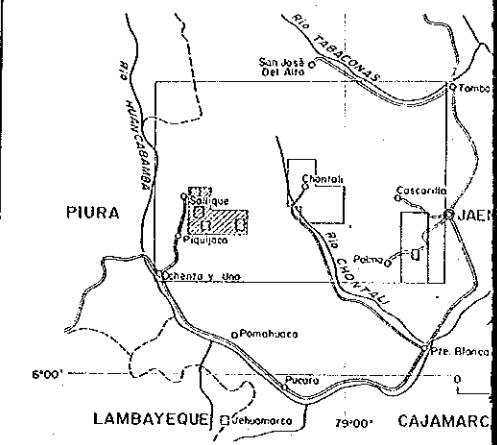
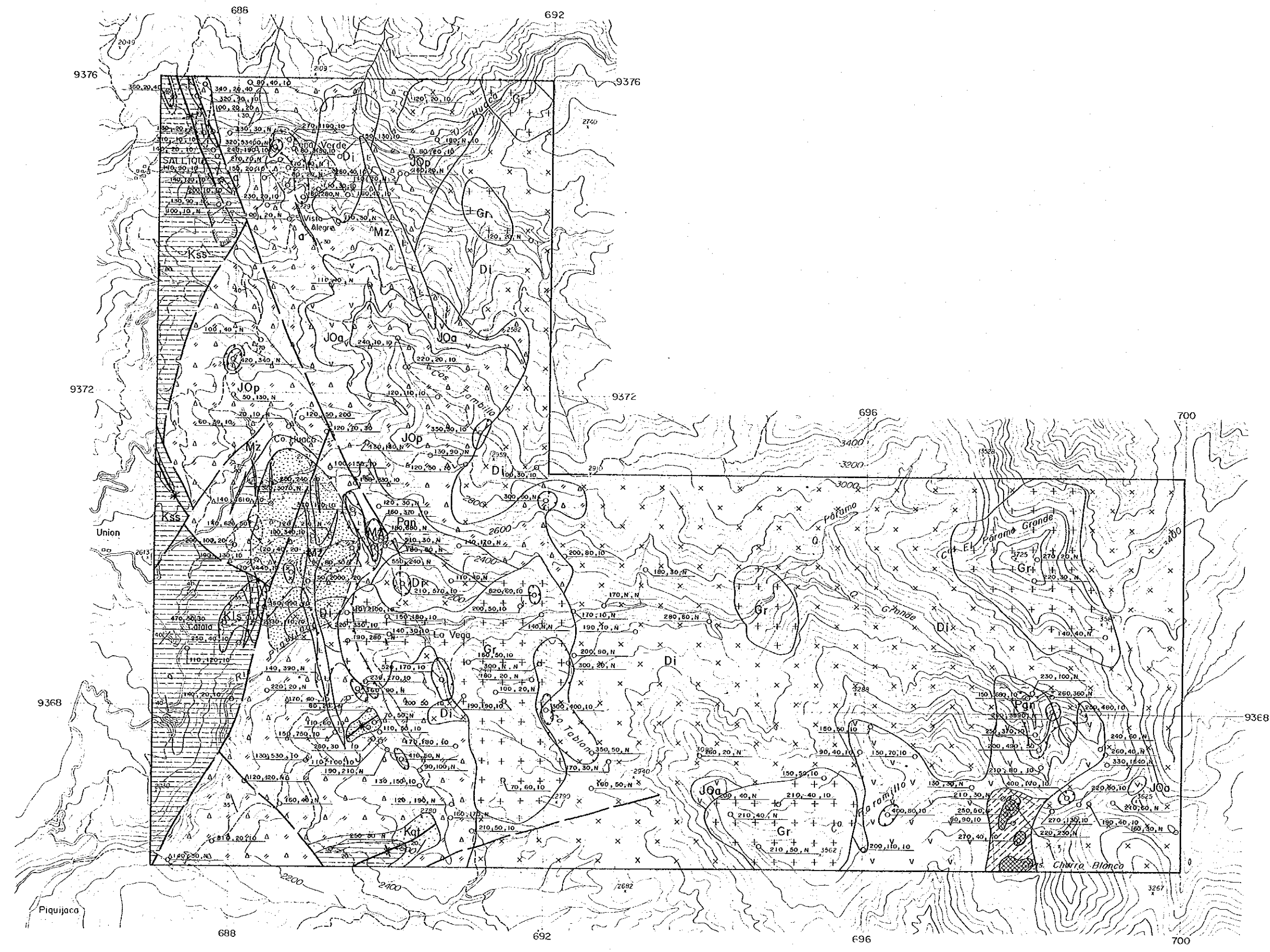


THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC  
( PHASE I )  
GEOCHEMICAL MAP  
OF THE SAN FELIPE AREA  
( Zn, Cu and Mo )



JAPAN INTERNATIONAL COOPERATION  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



**LEGEND**

**Geochemical Anomaly**

- Zn ≧ 290 ppm
- Cu ≧ 200 ppm
- Mo ≧ 20 ppm

**Geological Units**

- Paríatambo F.** Kss Shale, Sandstone
- Cretaceous**
  - Chofec F.** Kfs Limestone
  - Inca F.** Kfs Limestone
  - Goylla-risquizga GP.** Kqt Quartzite
- Jurassic**
  - Oyotun Vol.** JOa Andesite
- Triassic**
  - JOP** JOp Tuff, Tuffbreccia
- Silurian**
  - Salas GP.** Pgn Phyllite, Schist
- Ordovician**
  - Olmas Cpx** Pgn Phyllite, Schist

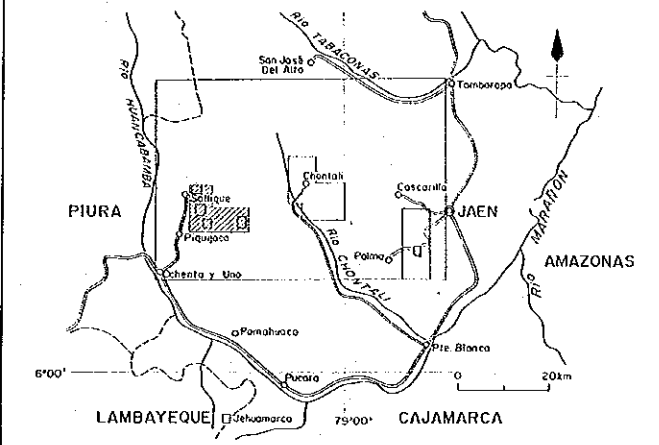
**Intrusives**

- Andesite
- Mz Monzonite Tonalite
- Gr Granite
- Di Diorite, Granodiorite

**Alteration**

- Skarn
- Sulfidation Zone

THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
GEOCHEMICAL MAP  
OF THE SAN FELIPE AREA  
( Zn, Cu and Mo )



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



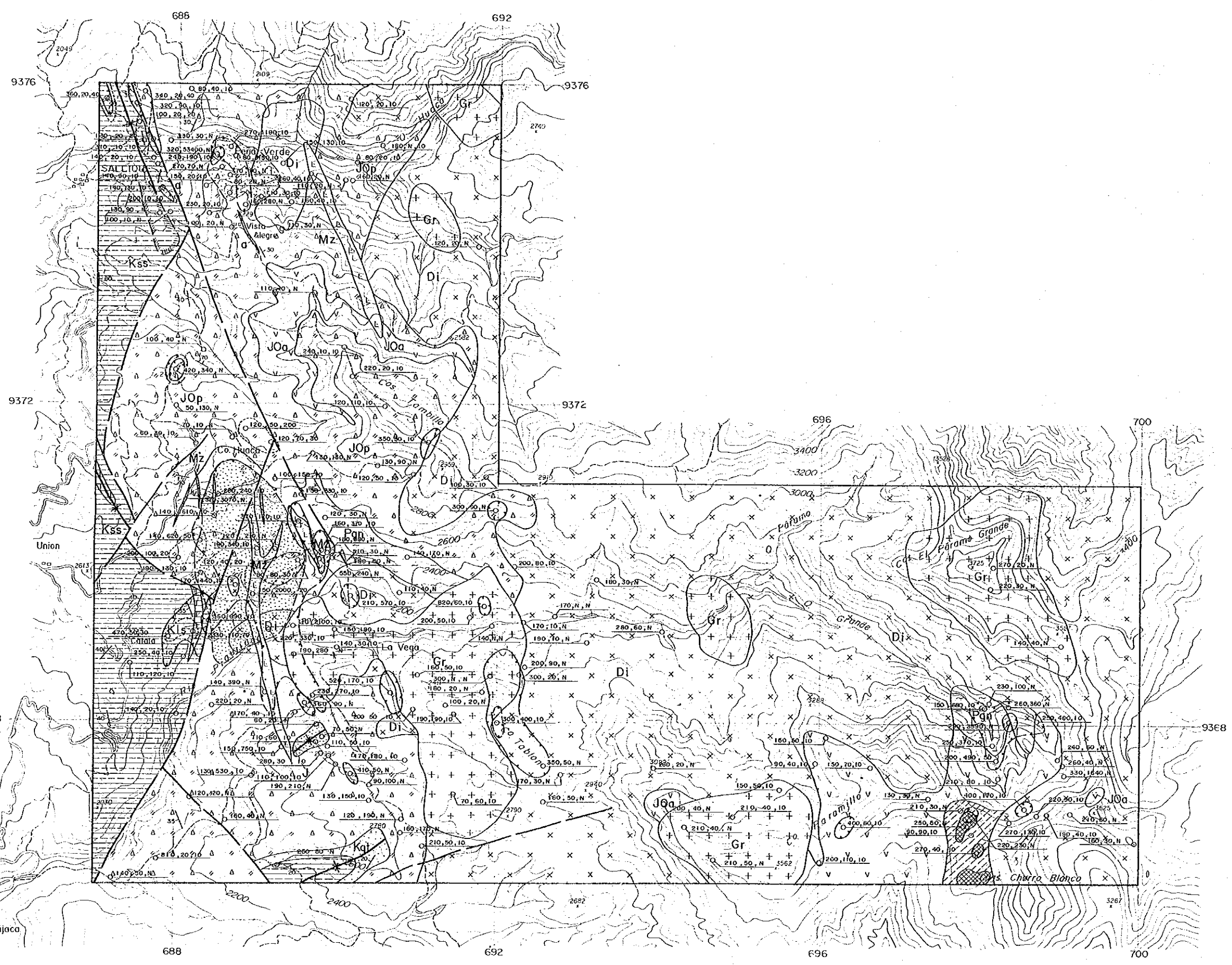
LEGEND

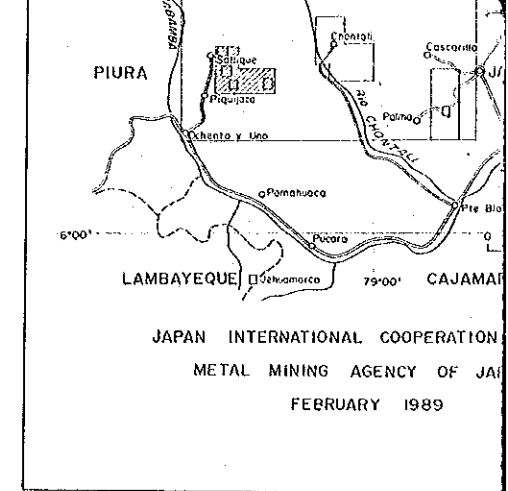
Geochemical Anomaly

- Zn ≥ 290 ppm
- Cu ≥ 200 ppm
- Mo ≥ 20 ppm

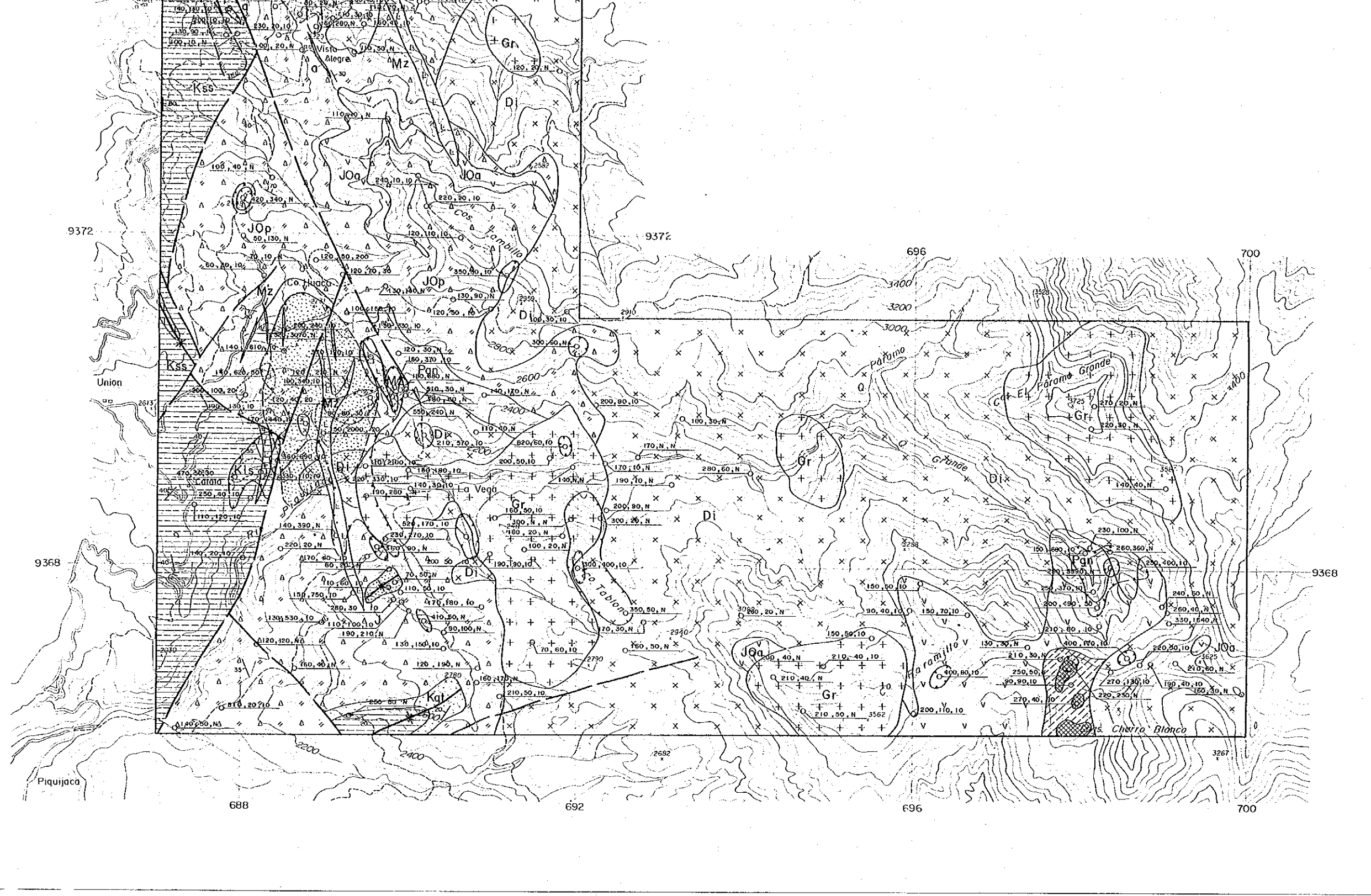
- Cretaceous**
  - Pariatambo F. Kss Shale, Sandstone
  - Chufec F. Kls Limestone
  - Inca F. Kls Limestone
  - Goylla-risquizga GP. Kqt Quartzite
- Jurassic**
  - Oyulun Vol. JOa Andesite
- Triassic**
  - JOp Tuff, Tuffbreccia, Lapilli Tuff
- Silurian Ordovician**
  - Salas GP. Pgn Phyllite, Schist, Gneiss
  - Olmos Cpx

- Intrusives**
  - Andesite
  - Mz Monzonite Tonalite
  - Gr Granite
  - Di Diorite, Granodiorite
- Alteration**
  - Skarn
  - Silicific Zone

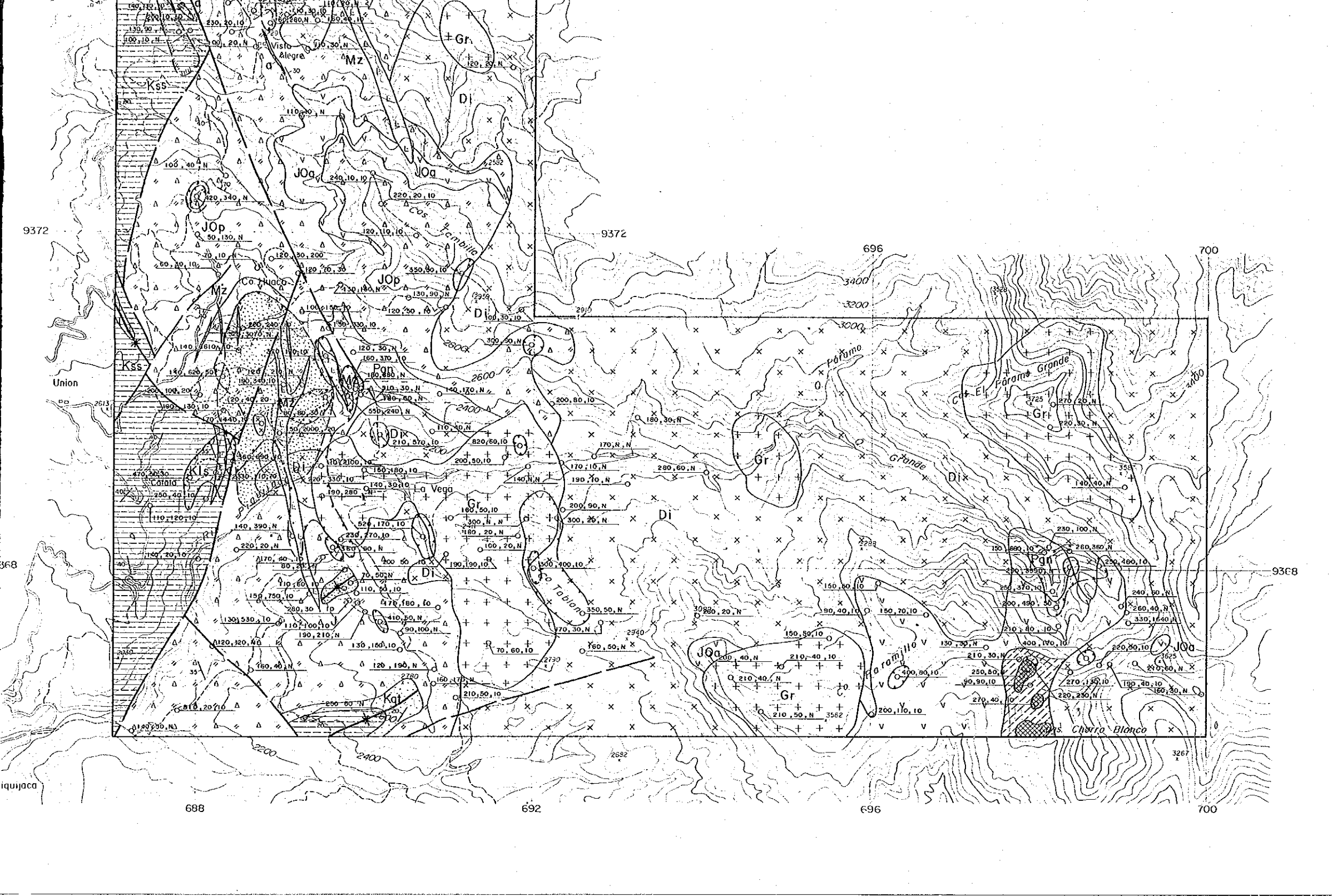
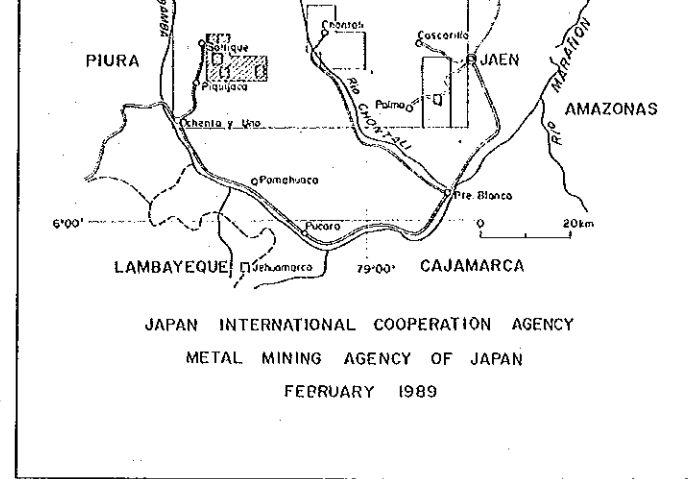




JAPAN INTERNATIONAL COOPERATION  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989

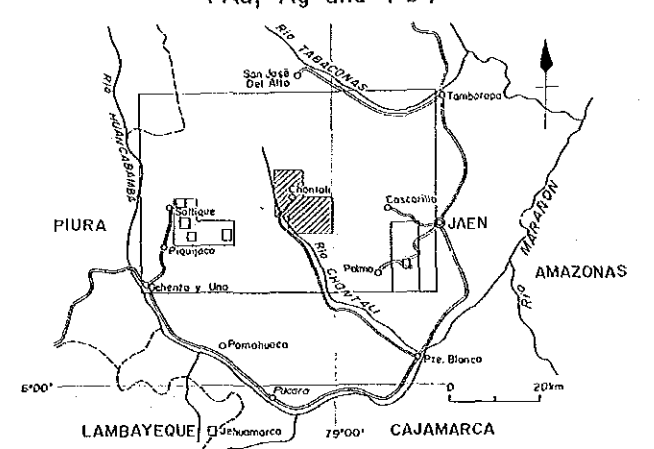


- LEGEND**
- Geochemical Anomaly**
- Zn ≧ 290 ppm
  - Cu ≧ 200 ppm
  - Mo ≧ 20 ppm
- Geological Units**
- Cretaceous**
    - Parílambo F. Kss Shale, Sandstone
    - Chufec F. Kls Limestone
    - Inca F. Kls Limestone
    - Goylla-risquizgo GP. Kql Quartzite
  - Jurassic**
    - J0a Andésite
    - Oyolun Vol.
  - Triassic**
    - J0p Tuff, Tuffbreccia
  - Silurian Ordovician**
    - Sefas GP. Pgn Phyllite, Schist
    - Olmos Cpx
- Intrusives**
- a Andésite
  - Mz Monzonite Tonalite
  - Gr Granite
  - DI Diorite, Gneiss
- Alteration**
- Skarn
  - Silicified Zone
  - Chloritized Zone
- Others**
- Fault
  - Anticlinal Axis
  - Synclinal Axis
  - Bedding
  - Schistosity
  - Landslide



- LEGEND**
- Geochemical Anomaly**
- Zn ≧ 290 ppm
  - Cu ≧ 200 ppm
  - Mo ≧ 20 ppm
- Geological Units**
- Periarambo F.** Kss Shale, Sandstone
  - Cretaceous**
    - Chulec F. Kls Limestone
    - Inca F. Kqt Quartzite
    - Goylla-risquizga GP. JQa Anfesite
  - Jurassic**
    - Oyotun Vol. JOp Tuff, Tuffbreccio, Lapilli Tuff,
  - Triassic**
    - Salas GP. Pgn Phyllite, Schist, Gneiss
    - Ordovician Dmos Cpx
  - Intrusives**
    - An Andesite
    - Mz Monzonite Tonalite
    - Gr Granite
    - Di Diorite, Granodiorite
  - Alteration**
    - Sk Skarn
    - S Sulfidation Zone
    - Ch Chloritized Zone
  - Others**
    - Fault
    - Anticlinal Axis
    - Synclinal Axis
    - Bedding
    - Schistosity
    - Landslide

THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
(PHASE I)  
GEOCHEMICAL MAP  
OF THE CHONTALI AREA  
(Au, Ag and Pb)



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



LEGEND

Geochemical Anomaly

- Au ≅ 80 ppb
- Ag ≅ 5.59 ppm
- Pb ≅ 610 ppm

- |            |                      |  |                                |
|------------|----------------------|--|--------------------------------|
| Quaternary | Alluvium             |  | Gravel, Sand                   |
| Cretaceous | Paritambo F.         |  | Sandstone, Limestone           |
|            | Chulec F.            |  |                                |
|            | Inco F.              |  | Quartzite                      |
|            | Goylla-risquizga GP. |  |                                |
| Jurassic   | Oyulun F.            |  | Andesite, Andesitic            |
|            |                      |  | Pyroclastics, Shale, Sandstone |

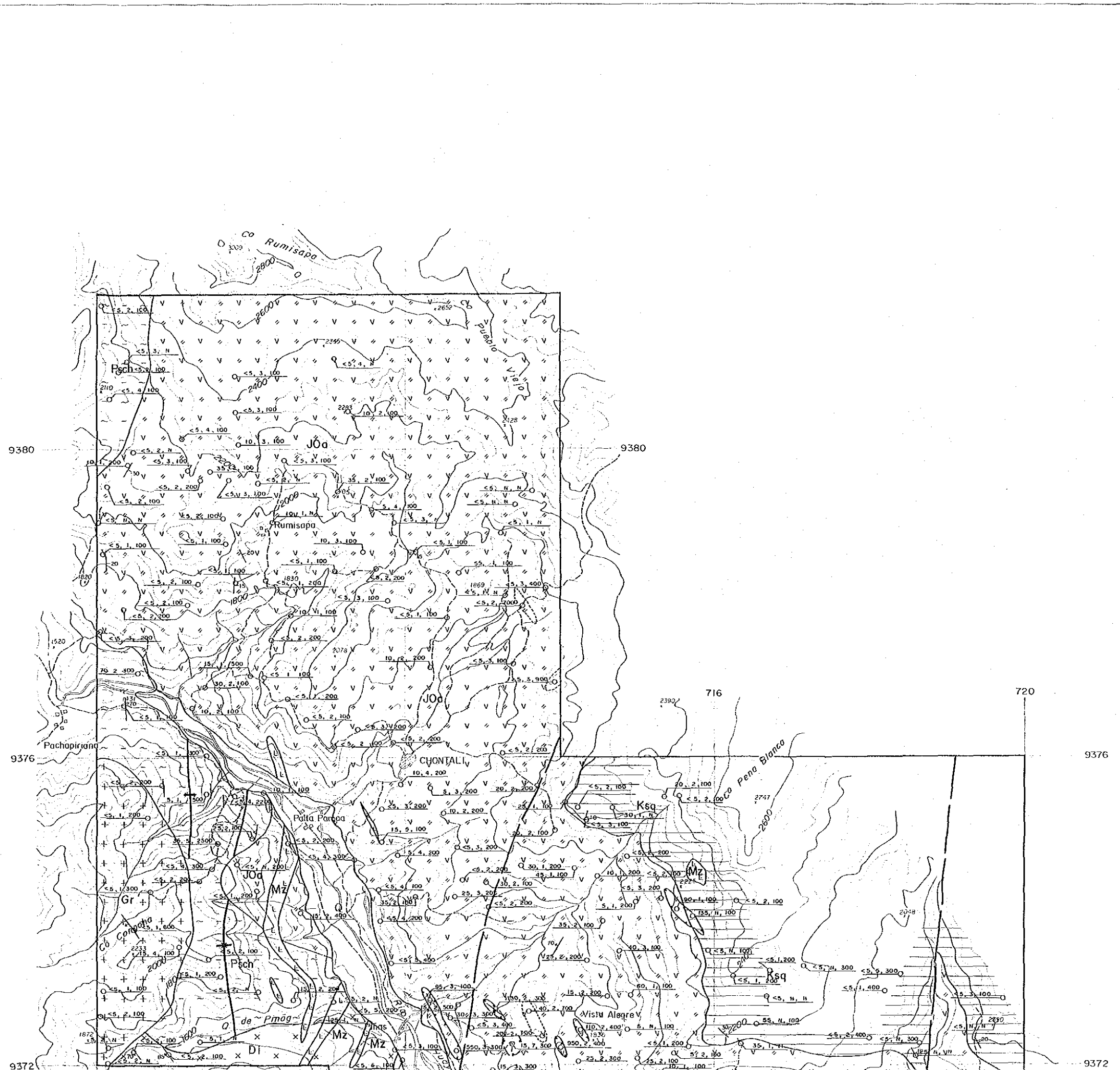
- |          |            |  |      |                  |
|----------|------------|--|------|------------------|
| Silurian | Salas Gpe. |  | Psch | Phyllite, Schist |
|          |            |  |      |                  |

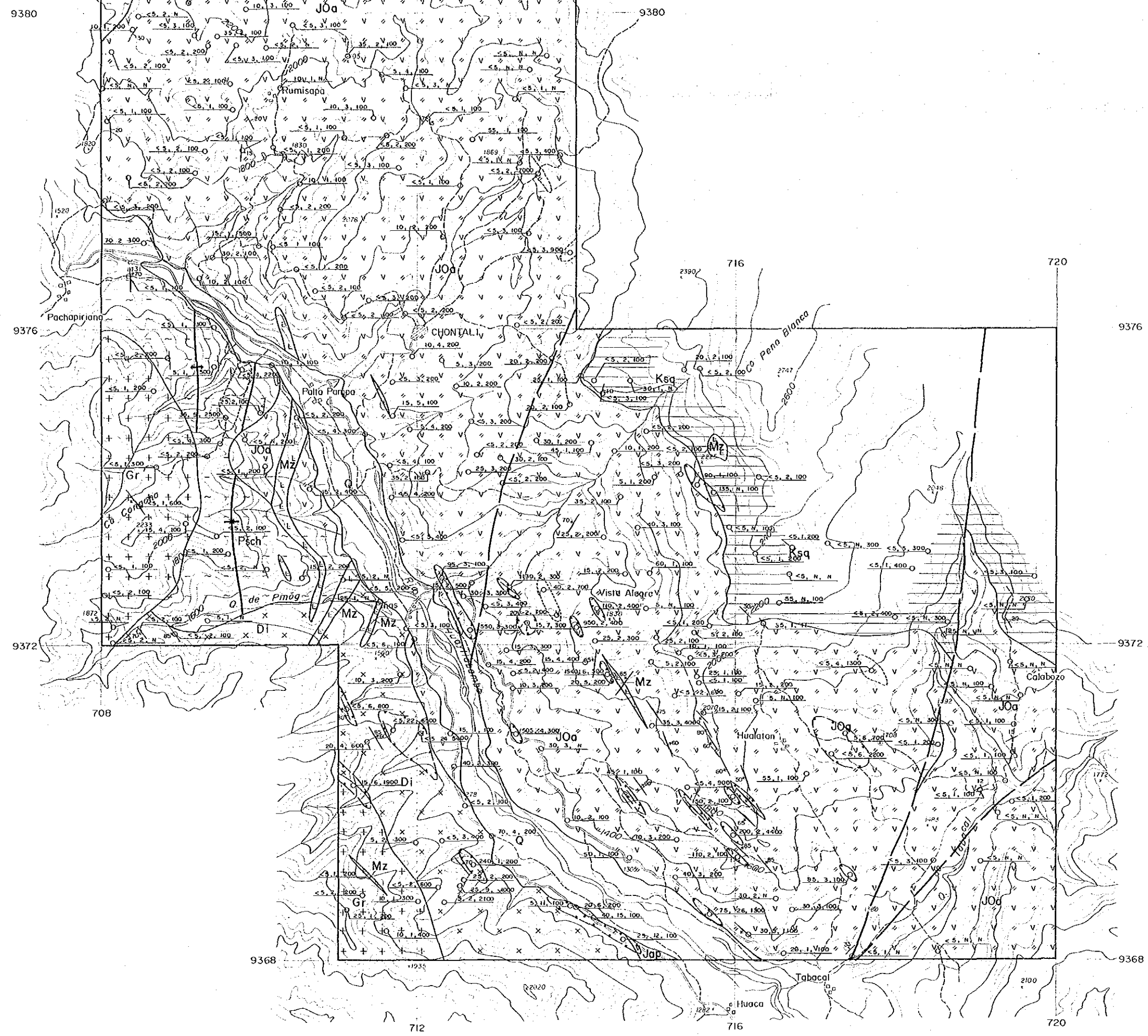
Intrusives

- Mz Monzonite, Tonalite
- Gr Granite
- Di Diorite, Granodiorite

Others

- Quartz Vein
- Fault
- Anticlinal Axis
- Synclinal Axis
- Bedding
- Schistosity



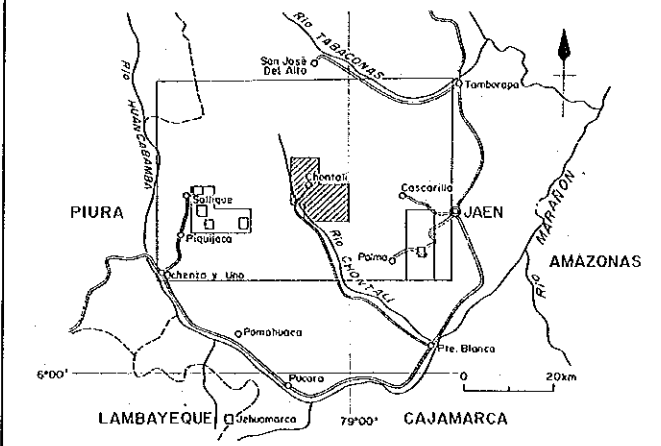


LEGEND

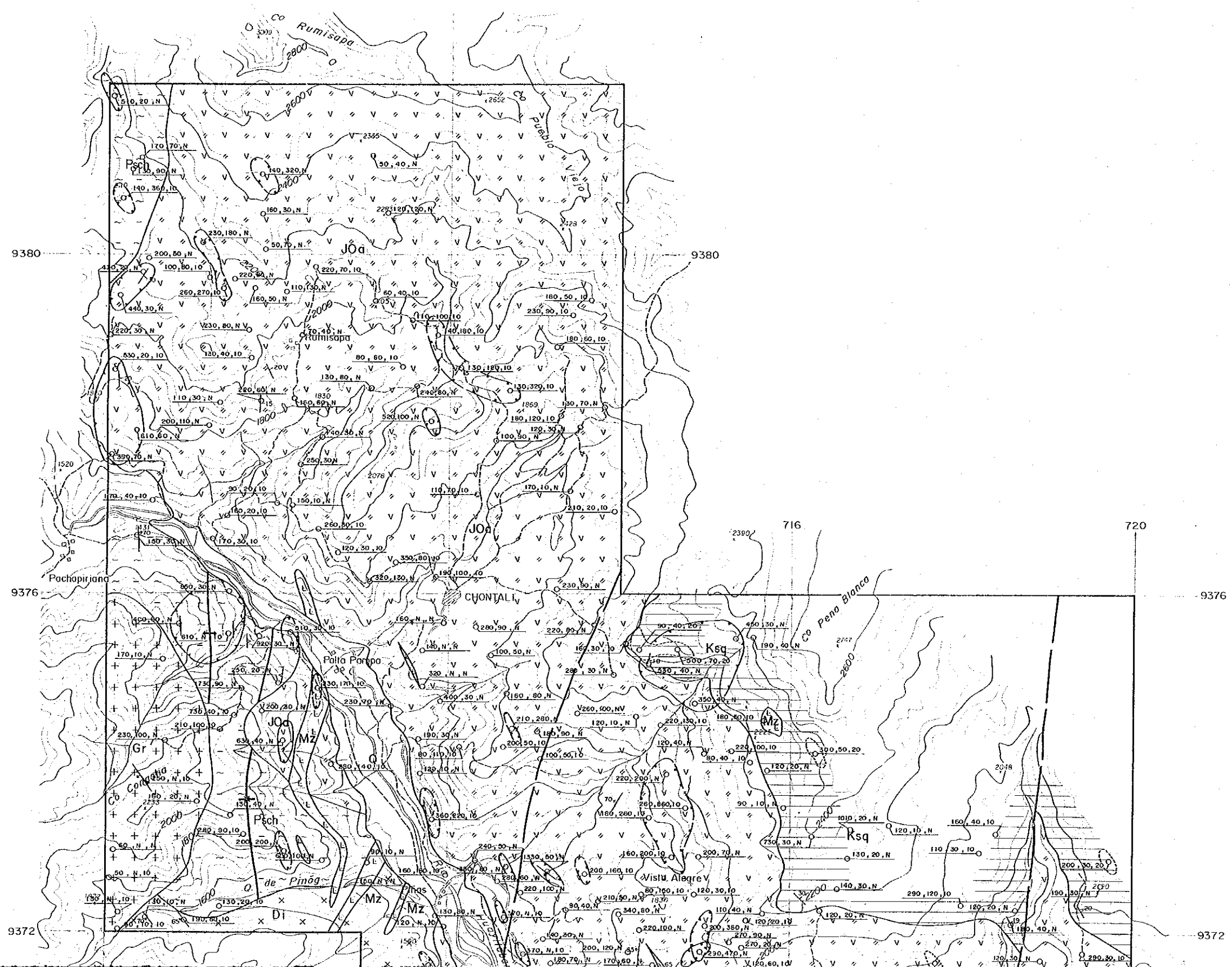
- Geochemical Anomaly
- Au ≅ 80 ppb
  - Ag ≅ 5.59 ppm
  - Pb ≅ 610 ppm

- Quaternary Alluvium Gravel, Sand Sandstone, Ilmastone
- Cretaceous Paríalambo F. Chulec F. Inco F. Goylla-risquizga GP. Ksq Quartzite
- Jurassic Triassic Oyatun F. Jop Andesite, Andesitic Pyroclastics Shale, Sandstone
- Silurian Ordovician Selos Gpe. Pach Phyllite, Schist
- Intrusives
- Mz Monzonite, Tonalite
  - Gr Granite
  - Di Diorite, Granodiorite
- Others
- Quartz Vein
  - Fault
  - Anticlinal Axis
  - Synclinal Axis
  - Bedding
  - Schistosity

THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
GEOCHEMICAL MAP  
OF THE CHONTALI AREA  
( Zn, Cu and Mo )



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



**LEGEND**

**Geochemical Anomaly**

- Zn ≧ 290 ppm
- Cu ≧ 159.4 ppm
- Mo ≧ 20 ppm

**Quaternary**

- Alluvium Q Gravel, Sand Sandstone, Limestone
- Pachapiriana F. Ksq Quartzite
- Chulec F. Ksq Quartzite
- Inca F. Ksq Quartzite
- Goylla-risquizgo GP. Ksq Quartzite

**Jurassic**

- Oyulun F. JOp Andesite, Andesitic Pyroclastics Shale, Sandstone

**Silurian**

- Safes Gpe. Psch Phyllite, Schist

**Ordovician**

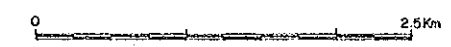
- Oimos C.px. Psch Phyllite, Schist

**Intrusives**

- Mz Monzonite, Tonalite
- Gr Granite
- Di Diorite, Granodiorite

**Others**

- Quartz Vein
- Fault
- Anticlinal Axis
- Synclinal Axis
- Bedding
- Schistosity



**LEGEND**

**Geochemical Anomaly**

- Zn ≧ 290 ppm
- Cu ≧ 159.4 ppm
- Mo ≧ 20 ppm

**Quaternary** Alluvium Q Gravel, Sand, Sandstone, Limestone

**Cretaceous** Pariatambo F. Ksq Quartzite  
Chulac F. Inca F. Goylla-risquizga GP.

**Jurassic** Oyolon F. JOp Andesite, Andesitic Pyroclastics  
**Triassic** Shale, Sandstone

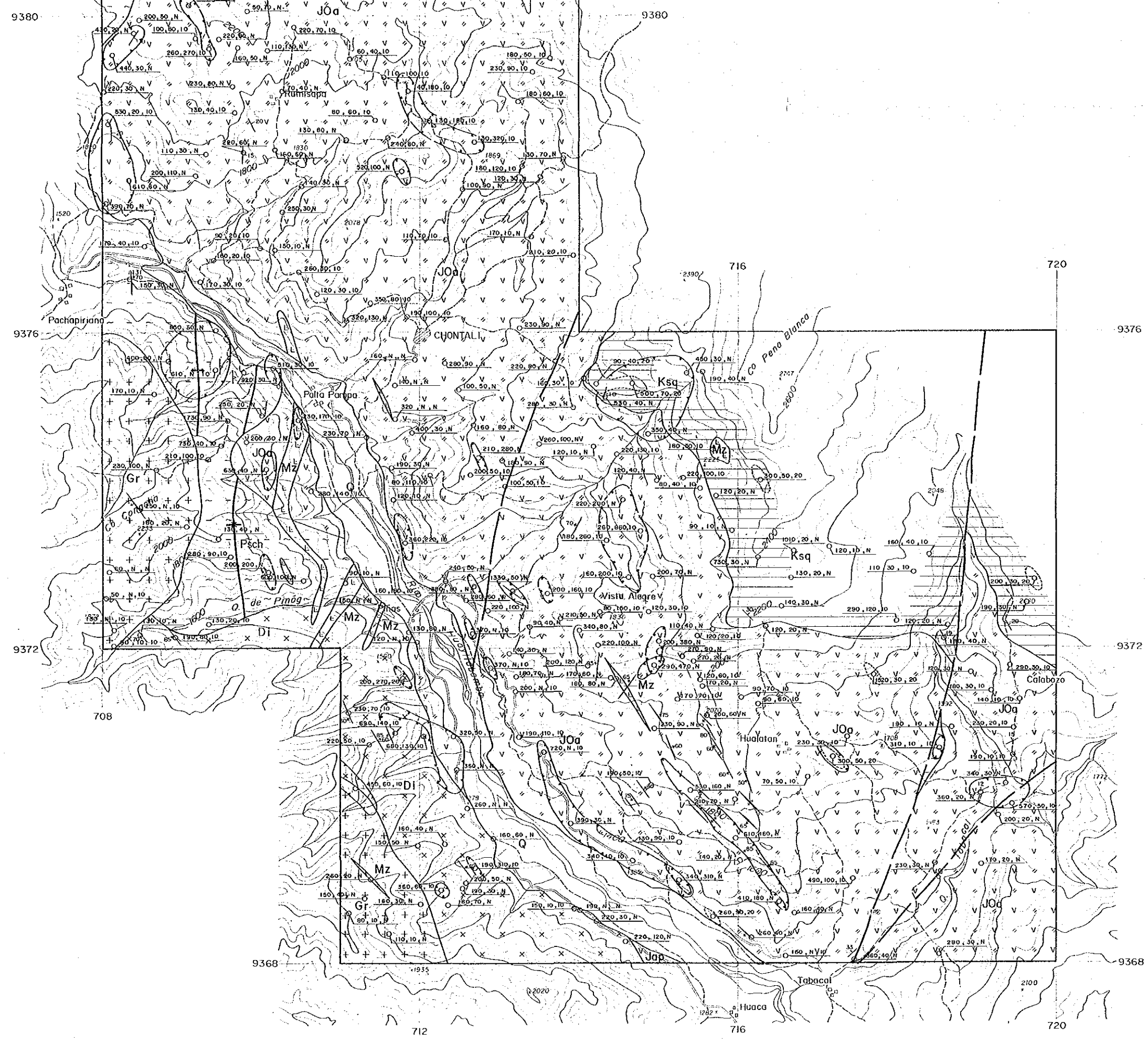
**Silurian** Salos Gpe. Psch Phyllite, Schist  
**Ordovician** Olmos Cpx.

**Intrusives**

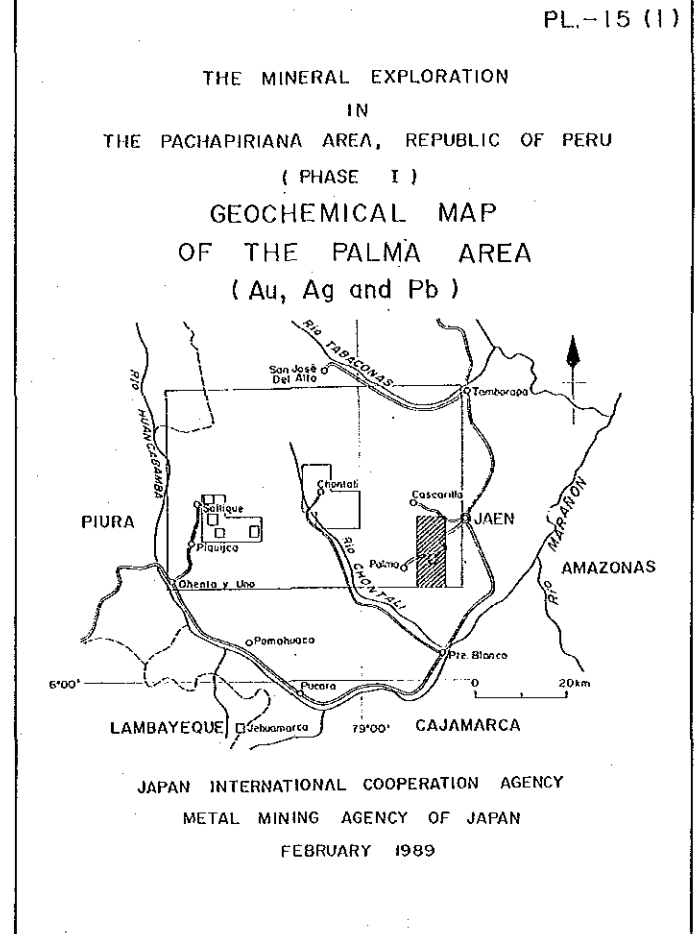
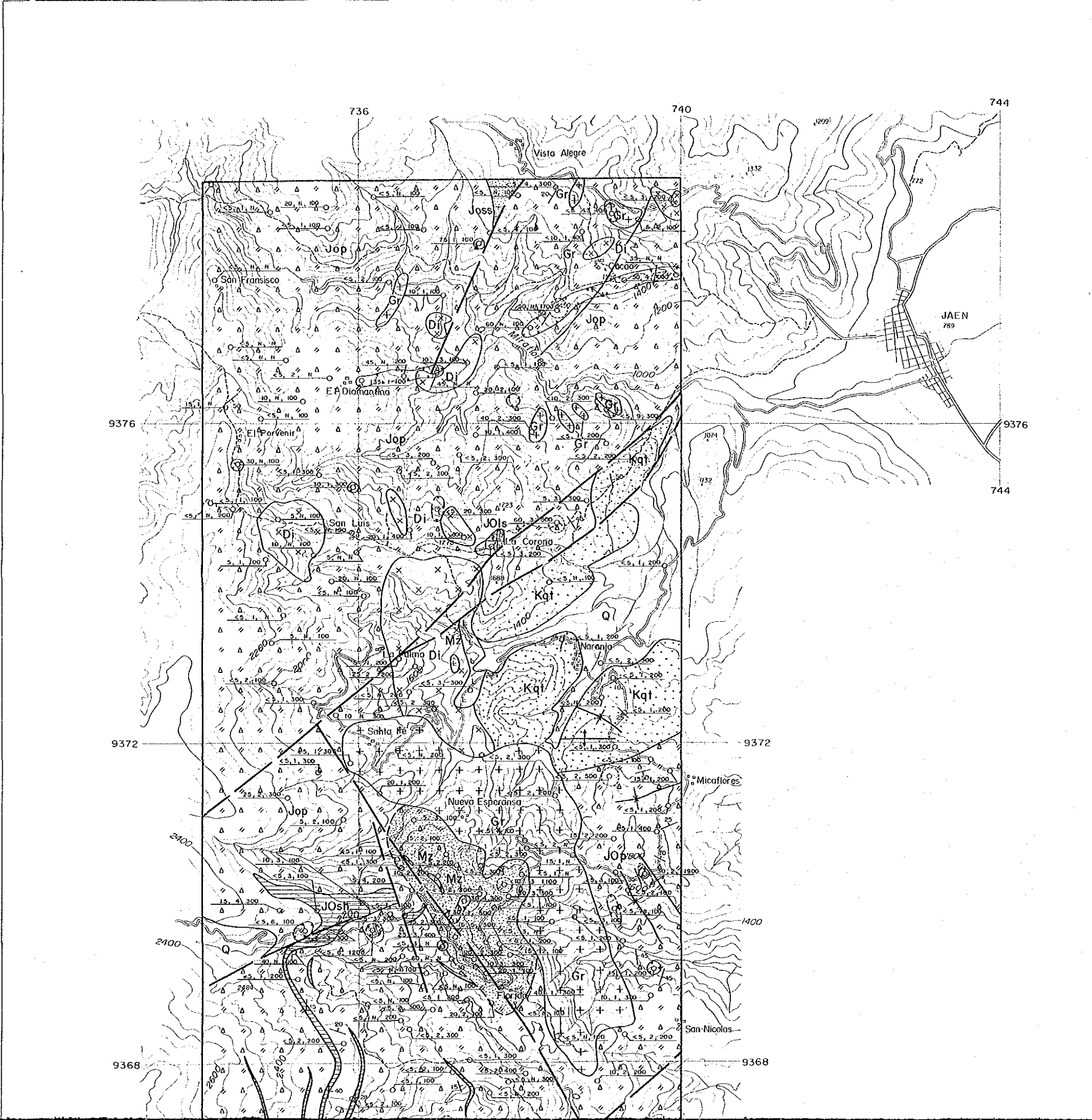
- Mz Monzonite, Tonalite
- Gr Granite
- Di Diorite, Granodiorite

**Others**

- Quartz Vein
- Fault
- Anticlinal Axis
- Synclinal Axis
- Bedding
- Schistosity







**LEGEND**

**Geochemical Anomaly**

○ Au ≧ 2288ppb

○ Ag ≧ 5.52ppm

○ Pb ≧ 472.11 ppm

**Quaternary Alluvium** □ Q Gravel, Sand

**Cretaceous Goylla risquizgo F.** □ Kqt Quartzite, Sandstone

**Jurassic Oyulan Vol.**

□ JOsh Shale

□ JOss Sandstone

□ JOls Limestone

□ JOp Andesite, Tuff, Tuffbreccia

**Intrusives**

□ Mz Monzonite, Tonalite

□ Gr Granitic

□ Di Diorite, Granodiorite

**Others**

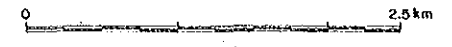
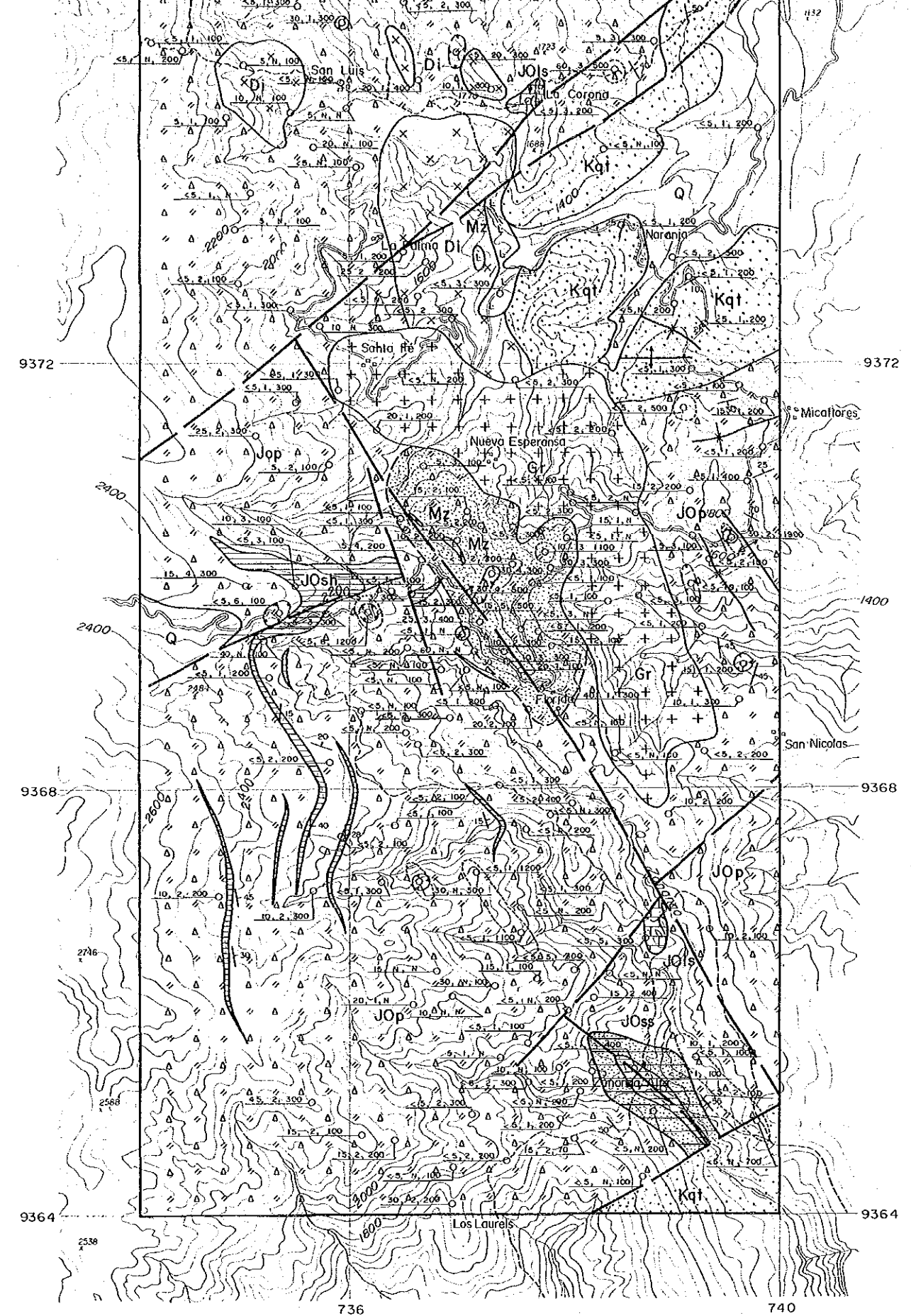
□ Silicified Zone

— Fault




↑ Anticlinal Axis

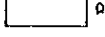
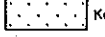
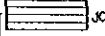
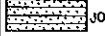
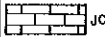
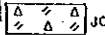
↓ Synclinal Axis

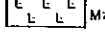
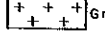
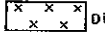
— Bedding








LEGEND

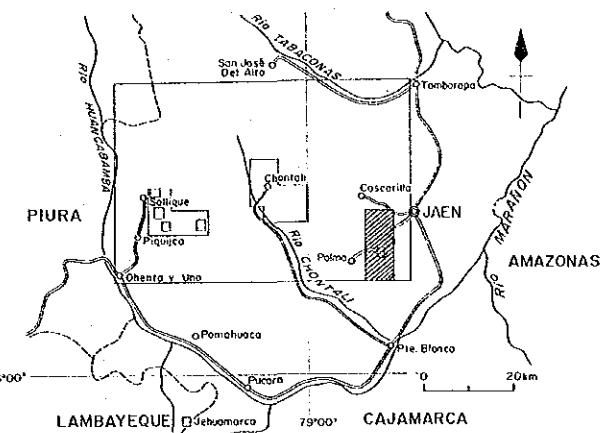
- Geochemical Anomaly
-  Au ≥ 22.88ppb
  -  Ag ≥ 5.52ppm
  -  Pb ≥ 472.11 ppm

- Quaternary Alluvium  Q Gravel, Sand
- Cretaceous Goylla risquiza  F Kqt Quartzite, Sandstone
- Jurassic Oyotun Vol.  JOsh Slate
-  JOss Sandstone
-  JOls Limestone
-  JOp Andesite, Tuff, Tuffbreccio

- Intrusives
-  Mz Monzonite, Tonalite
  -  Gr Granite
  -  Di Diorite, Granodiorite

- Others
-  Silicified Zone
  -  Fault
  -  Anticlinal Axis
  -  Synclinal Axis
  -  Bedding

THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
GEOCHEMICAL MAP  
OF THE PALMA AREA  
( Zn, Cu and Mo )



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



LEGEND

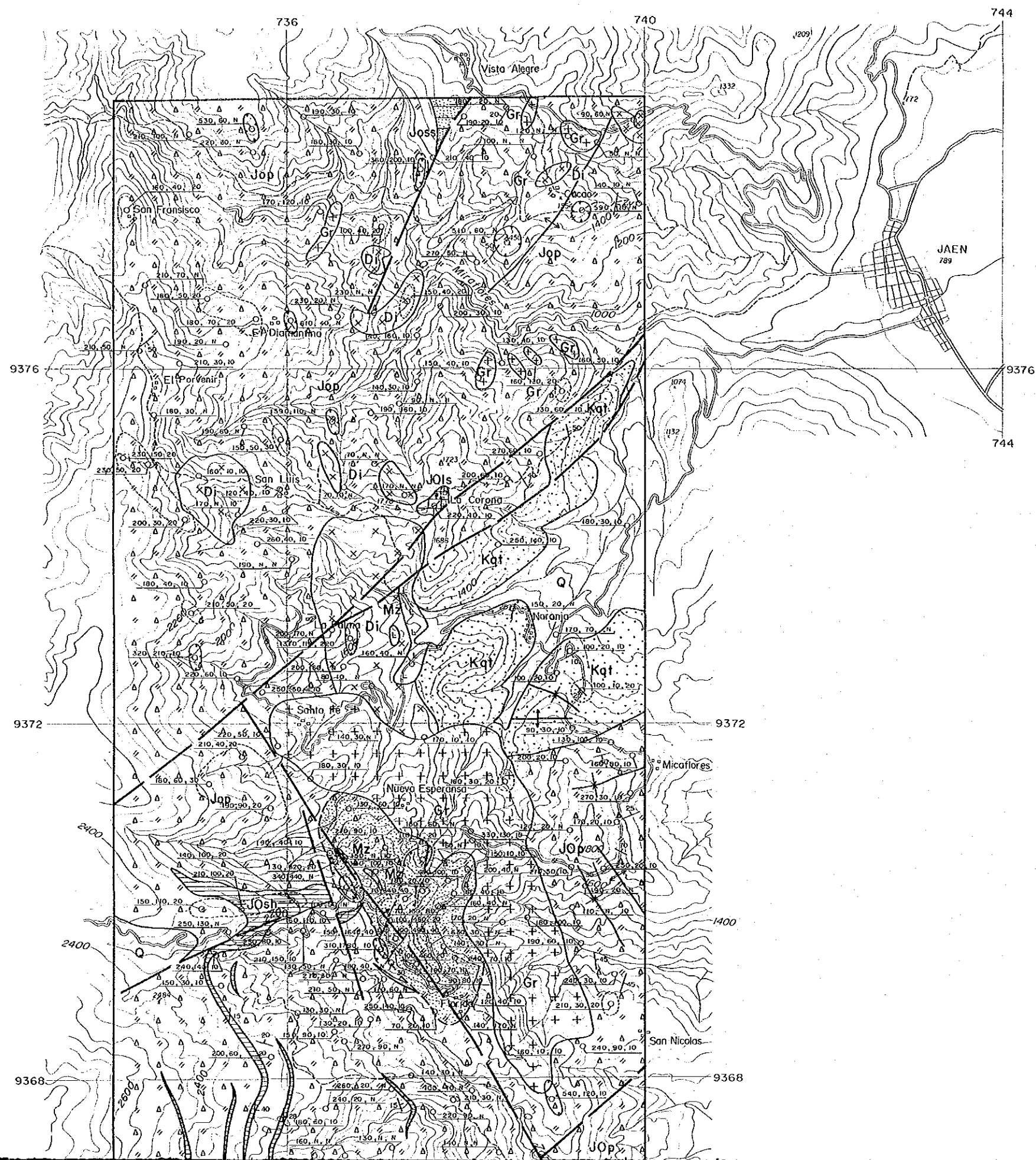
Geochemical Anomaly

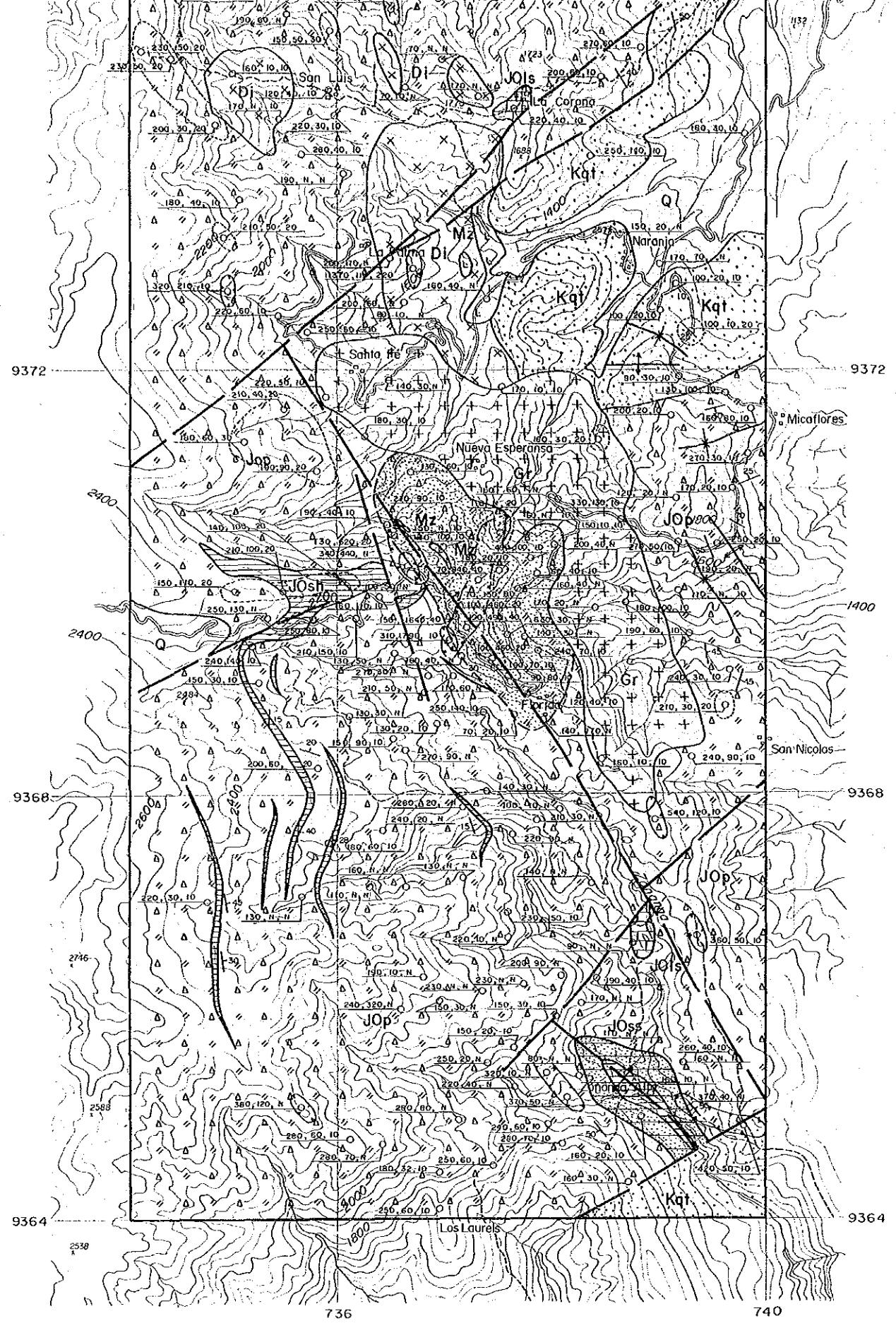
- Zn ≧ 290 ppm
- Cu ≧ 200 ppm
- Mo ≧ 20 ppm

- Quaternary Alluvium Q Gravel, Sand
- Cretaceous Goylla risquizgo F. Kqt Quartzite, Sandstone
- Jurassic Oyofun Vol. J0sh Shale
- J0ss Sandstone
- J0is Limestone
- J0p Andesite, Tuff, Tuffbreccia

- Intrusives Mz Monzonite, Tonalite
- Gr Granitic
- Di Diorite, Granodiorite

- Others Silicified Zone
- Fault
- Anticlinal Axis
- Synclinal Axis
- Bedding





**LEGEND**

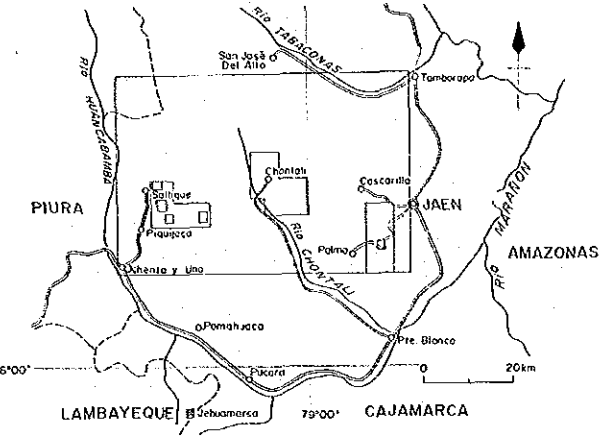
- Geochemical Anomaly**
- Zn  $\geq$  290 ppm
  - Cu  $\geq$  200 ppm
  - Mo  $\geq$  20 ppm

- Quaternary Alluvium** Q Gravel, Sand
- Cretaceous Goyin fisquizgo F.** Kqt Quartzite, Sandstone
- Jurassic Oyatun Vol.**
- JOsh Shale
  - JOss Sandstone
  - JOls Limestone
  - JOp Andesite, Tuff, Tuffbreccia

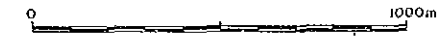
- Intrusives**
- Mz Monzonite, Tonalite
  - Gr Granitic
  - Di Diorite, Granodiorite

- Others**
- Silicified Zone
  - Fault
  - Anticlinal Axis
  - Synclinal Axis
  - Bedding

THE MINERAL EXPLORATION  
 IN  
 THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
 ( PHASE I )  
 GEOCHEMICAL MAP  
 OF THE JEHUAMARCA MINERALIZED ZONE  
 ( Au, Ag, and Pb )



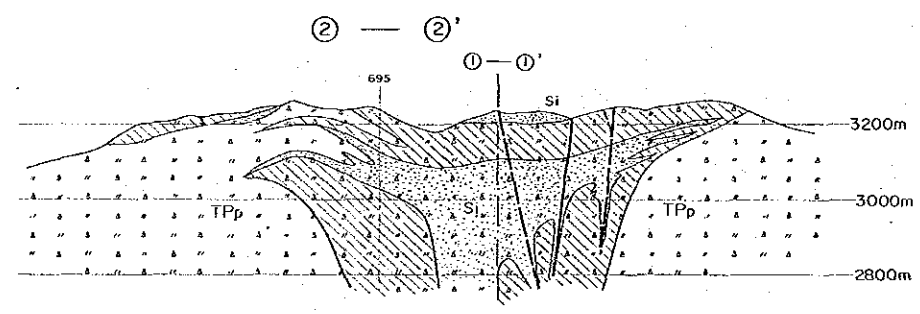
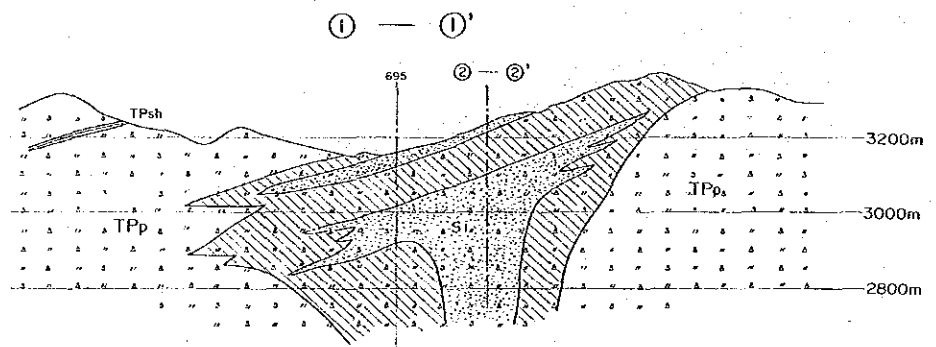
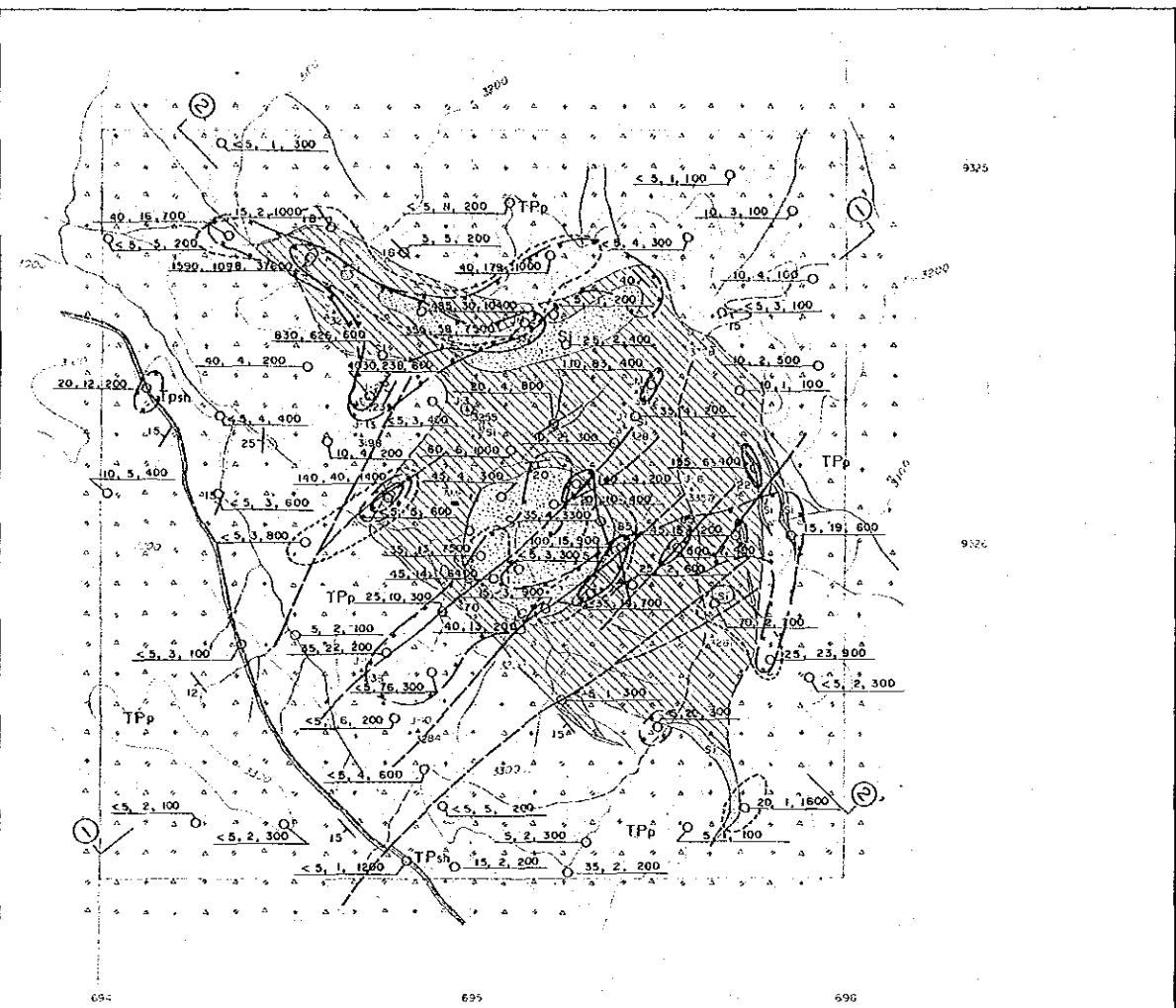
JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 FEBRUARY 1989



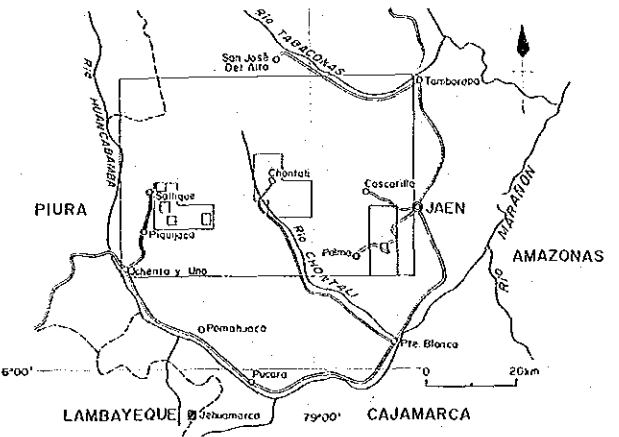
LEGEND

- Geochemical Anomaly
- Au ≧ 80 ppb
  - Ag ≧ 7 ppm
  - Pb ≧ 610 ppm

- Tertiary Porculla vol.
- TPp Tuff, Lapilli tuff, Tuff breccia
  - TPsh Shale, Siltstone
  - Si Silicified rock
  - Argillized zone
  - Fault, Fissure
  - Bedding



THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
GEOCHEMICAL MAP  
OF THE JEHUAMARCA MINERALIZED ZONE  
( Zn, Cu, and Mo )



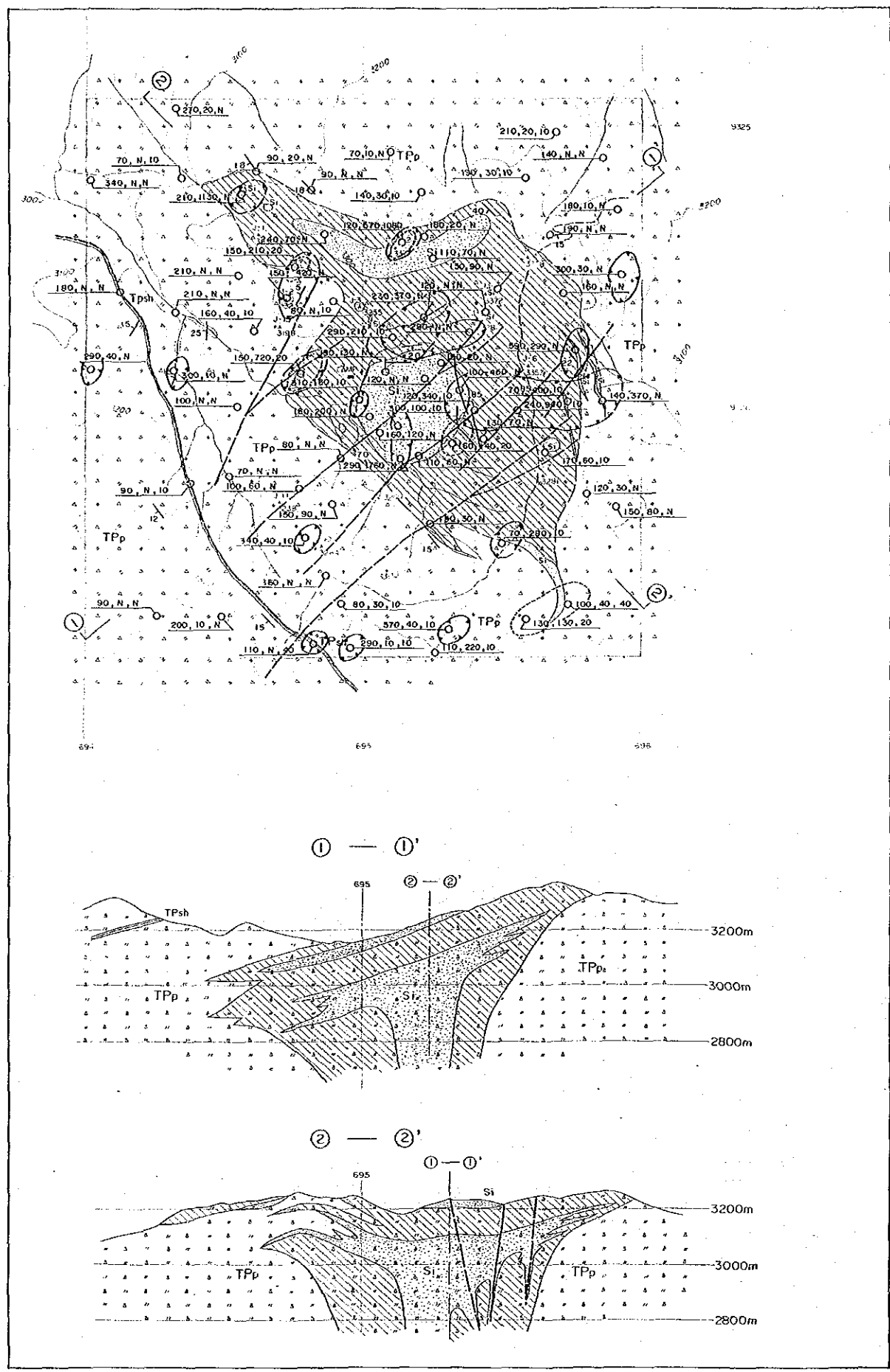
JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



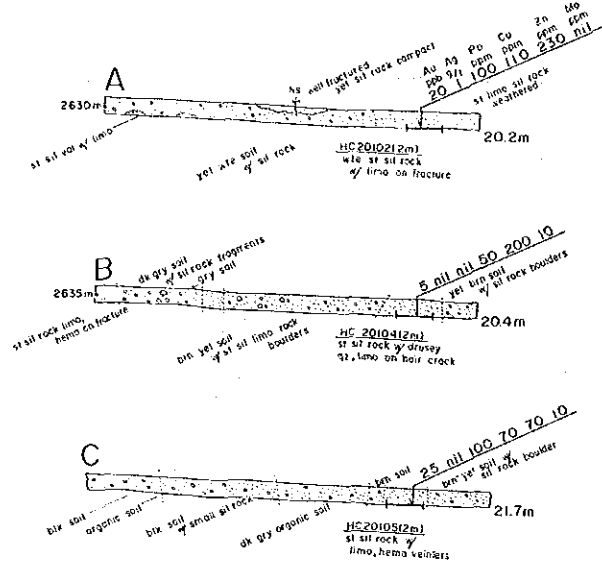
LEGEND

- Geochemical Anomaly
- Zn  $\geq$  278.96ppm
  - Cu  $\geq$  200 ppm
  - Mo  $\geq$  20 ppm

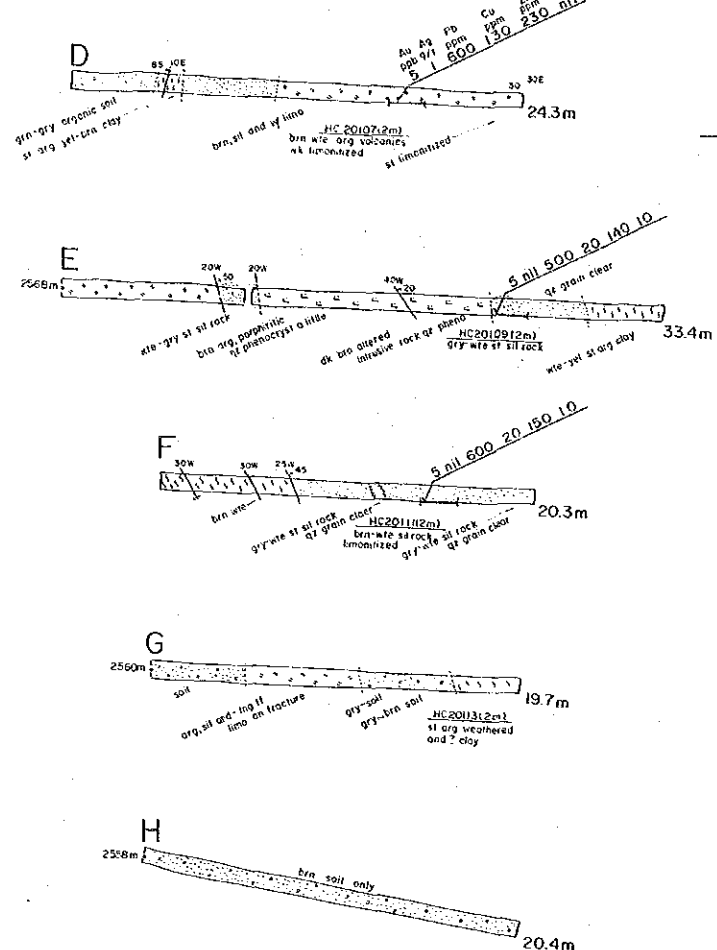
- Tertiary Porcullo vol.
- TPp Tuff, Lapilli tuff, Tuff breccia
  - TPsh Shale, Siltstone
  - Si Silicified rock
  - Argillized zone
  - Fault, Fissure
  - Bedding



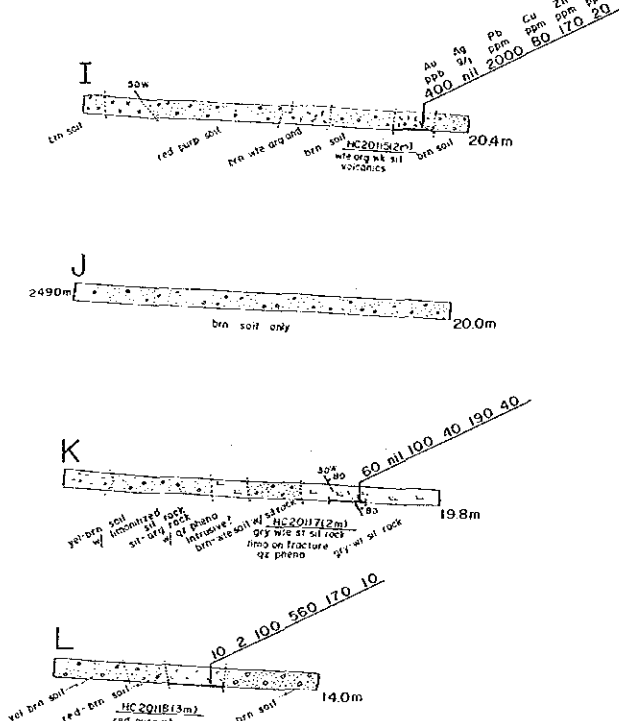
TRENCH NO. 1



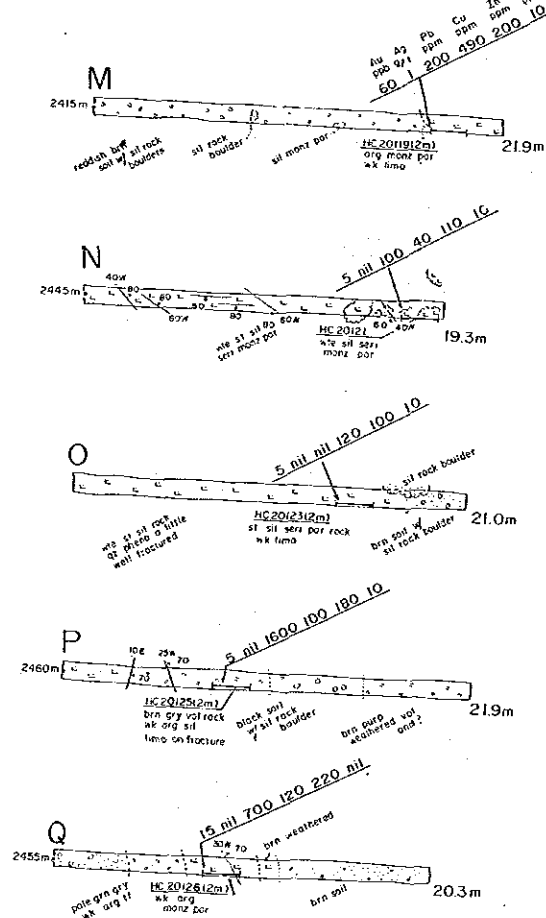
TRENCH NO. 2



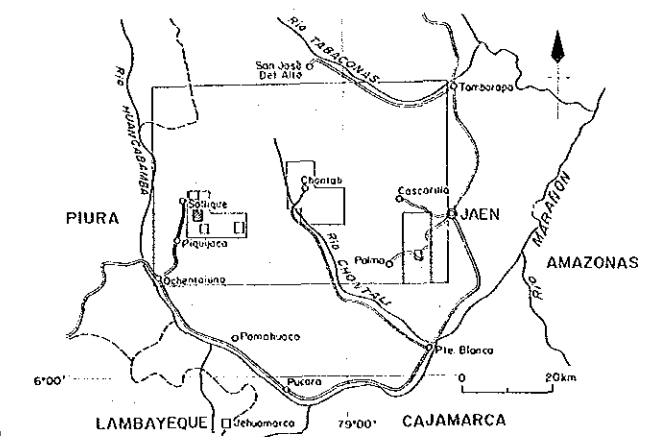
TRENCH NO. 3



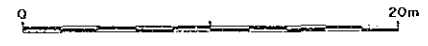
TRENCH NO. 4



THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
GEOLOGICAL SKETCH OF TRENCHES  
IN THE LA HUACA MINERALIZED ZONE



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



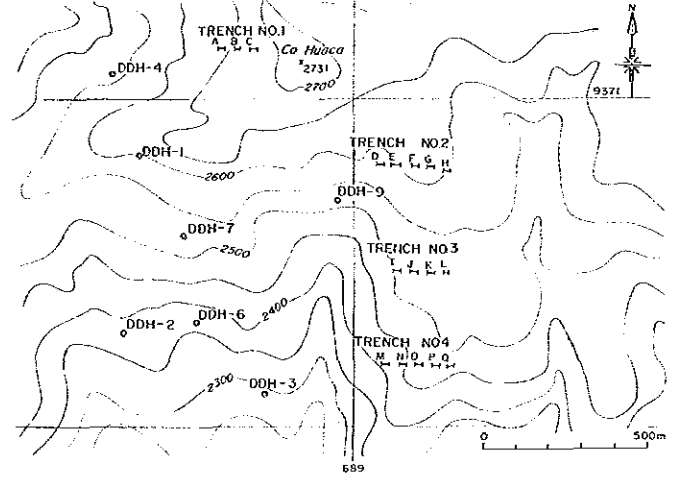
LEGEND

- Soil
- Tuff, Tuff-breccia
- Monzonite
- Silicified rock

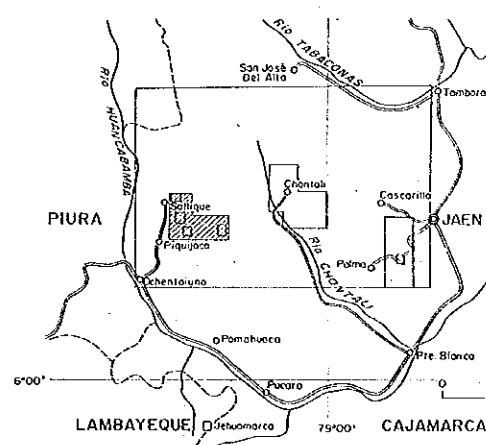
ABBREVIATIONS

- grn — green    grt — grey    yel — yellow    brn — brown    wh — white  
 st — strong    dk — dark    qz — quartz    and — andesite    hema — hematite  
 limo — limonite    sil — silicification    por — porphyritic    lng — fine-grained  
 w/ — with

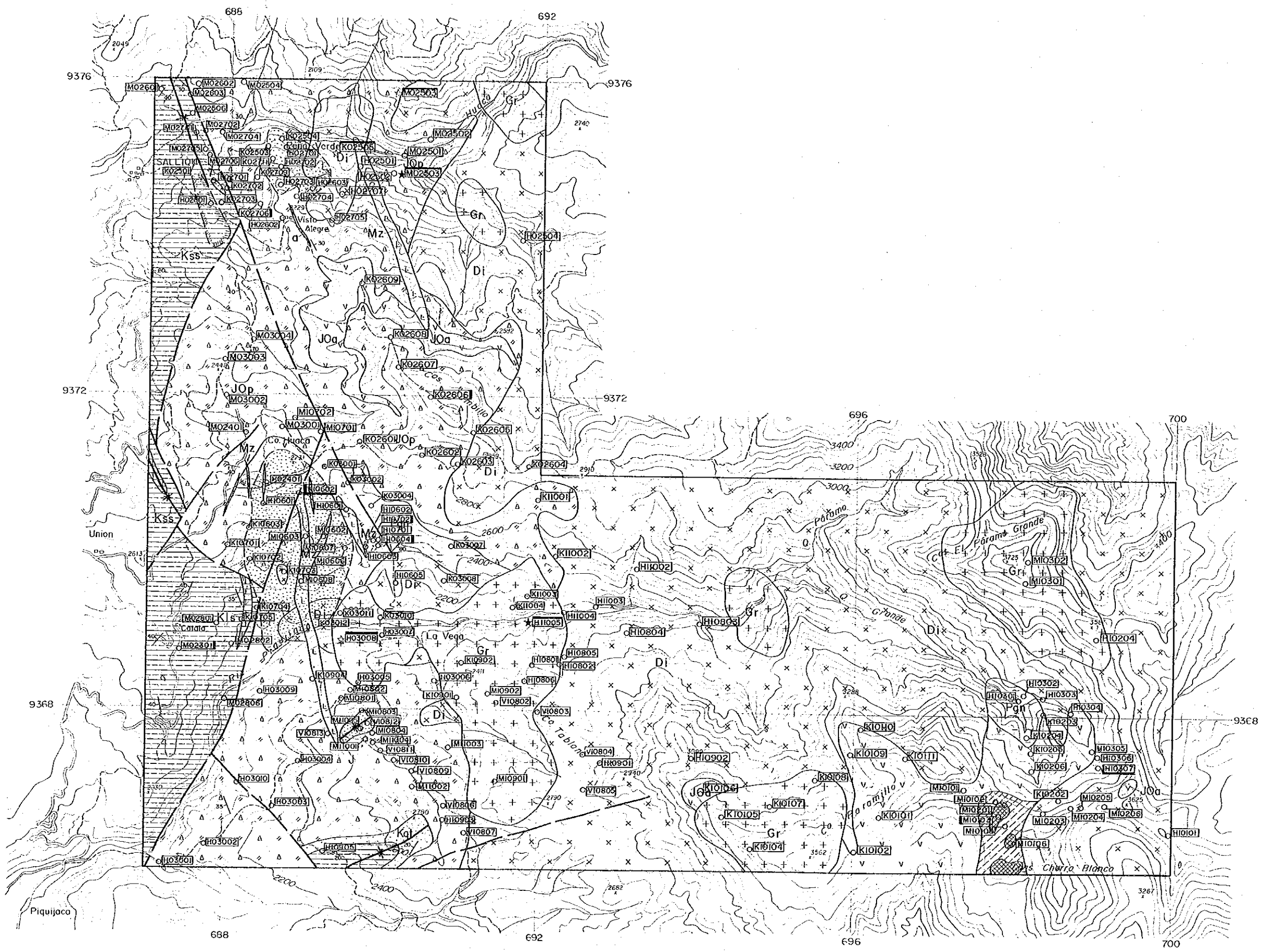
LOCATION - MAP



THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
(PHASE I)  
SAMPLE LOCATION MAP OF  
THE SAN FELIPE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



LEGEND

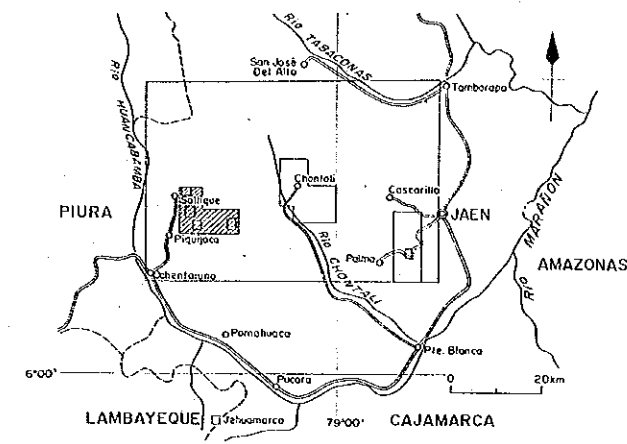
- Geochemical sample
- ★ Isotopic age determination sample
- △ Whole rock analysis sample
- Ore grade analysis sample
- Thin section sample
- Rolled section sample
- X-ray analysis sample

- Paríatambo F. Kss Shale, Sandstone
- Cretaceous Chulec F. Kls Limestone
- Inca F. Kls Limestone
- Goylla-risquiza GP. Kqt Quartzite
- Jurassic JOa Andesite
- Triassic Oyoñ Vol. JOp Tuff, Tuffbreccia, Ls
- Silurian Salas GP. Pgn Phyllite, Schist, Gneiss
- Ordovician Ofmos Cpx.

- Intrusives
  - ▲ Andesite
  - ▲ Mz Monzonite Tonalite
  - ▲ Gr Granite
  - ▲ Di Diorite, Granodiorite
- Alteration
  - Skarn
  - Silicified Zone



THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
SAMPLE LOCATION MAP OF  
THE SAN FELIPE AREA

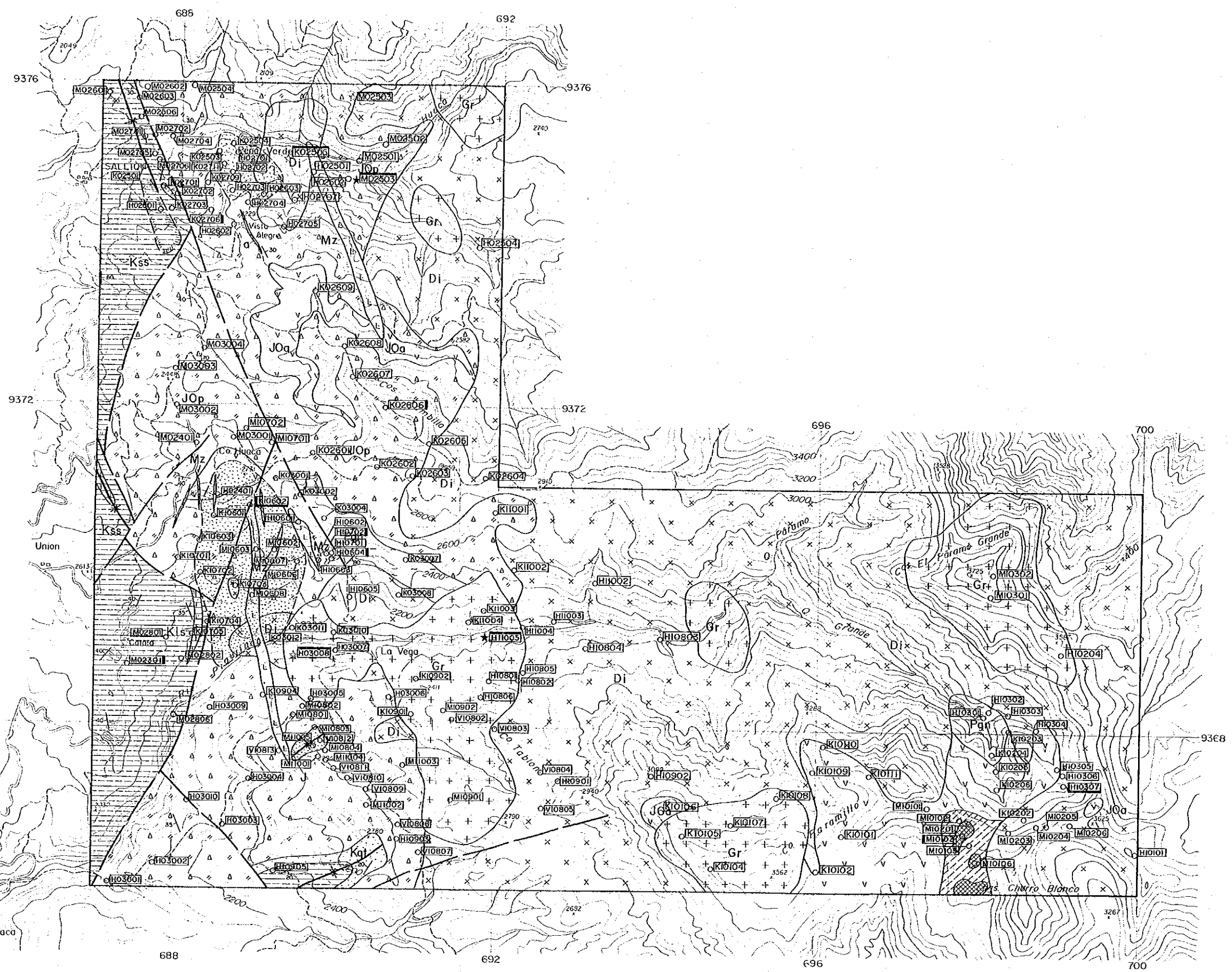


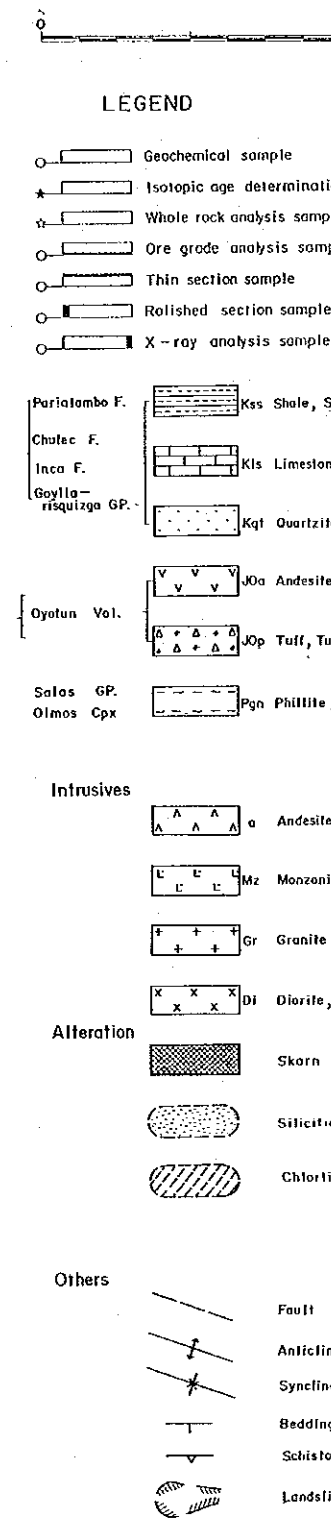
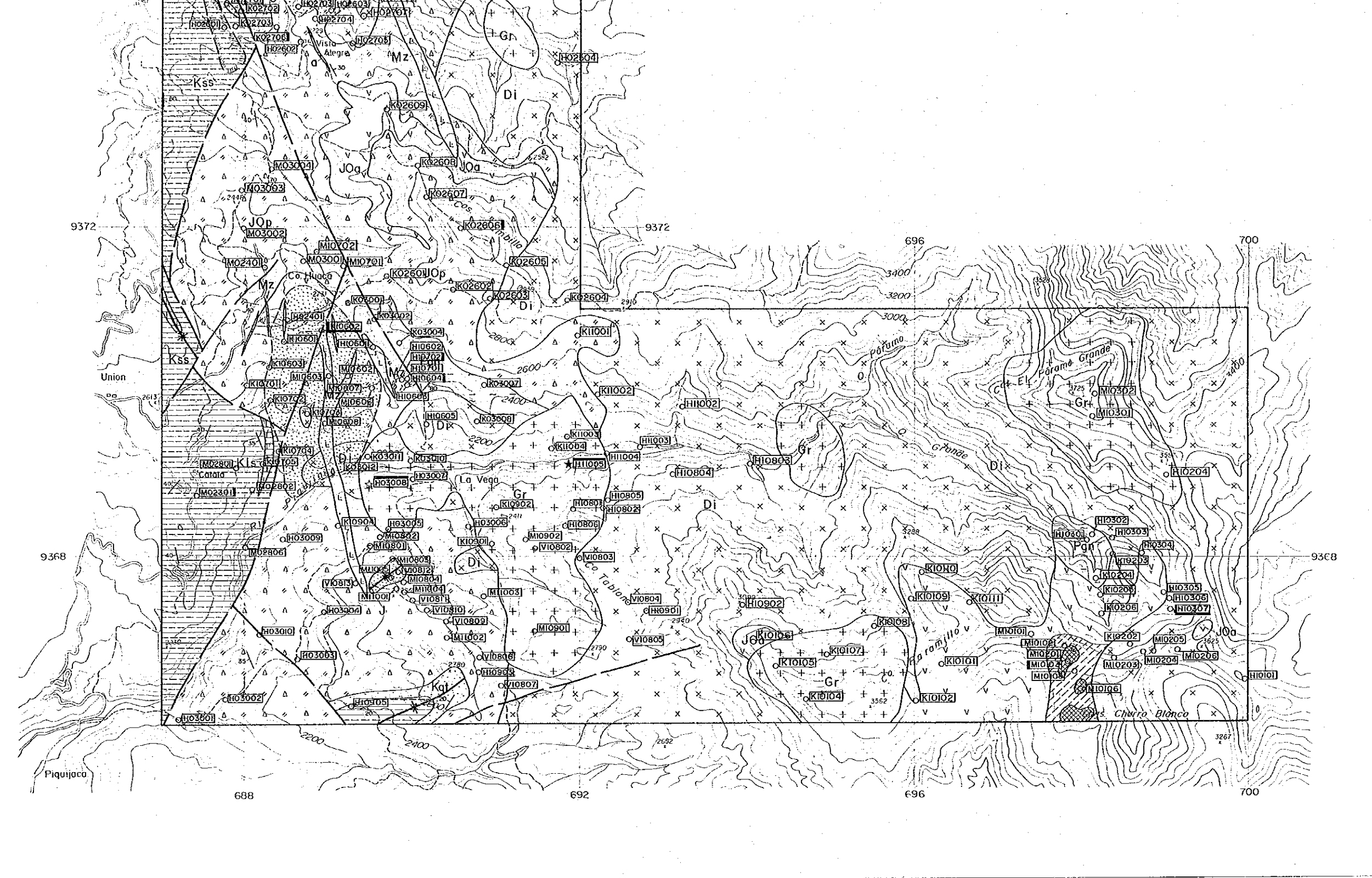
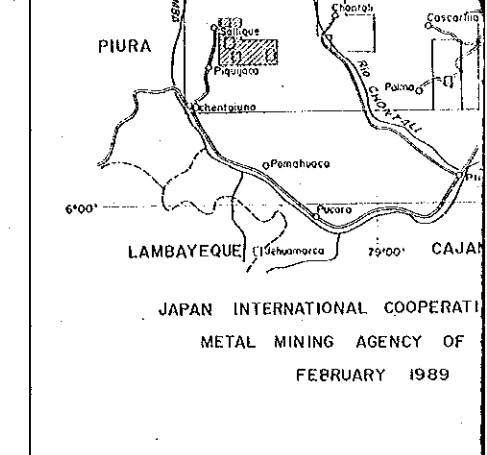
JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989

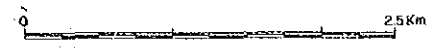
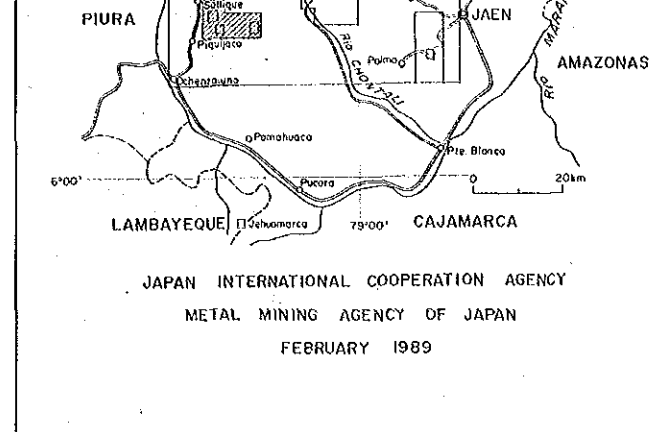
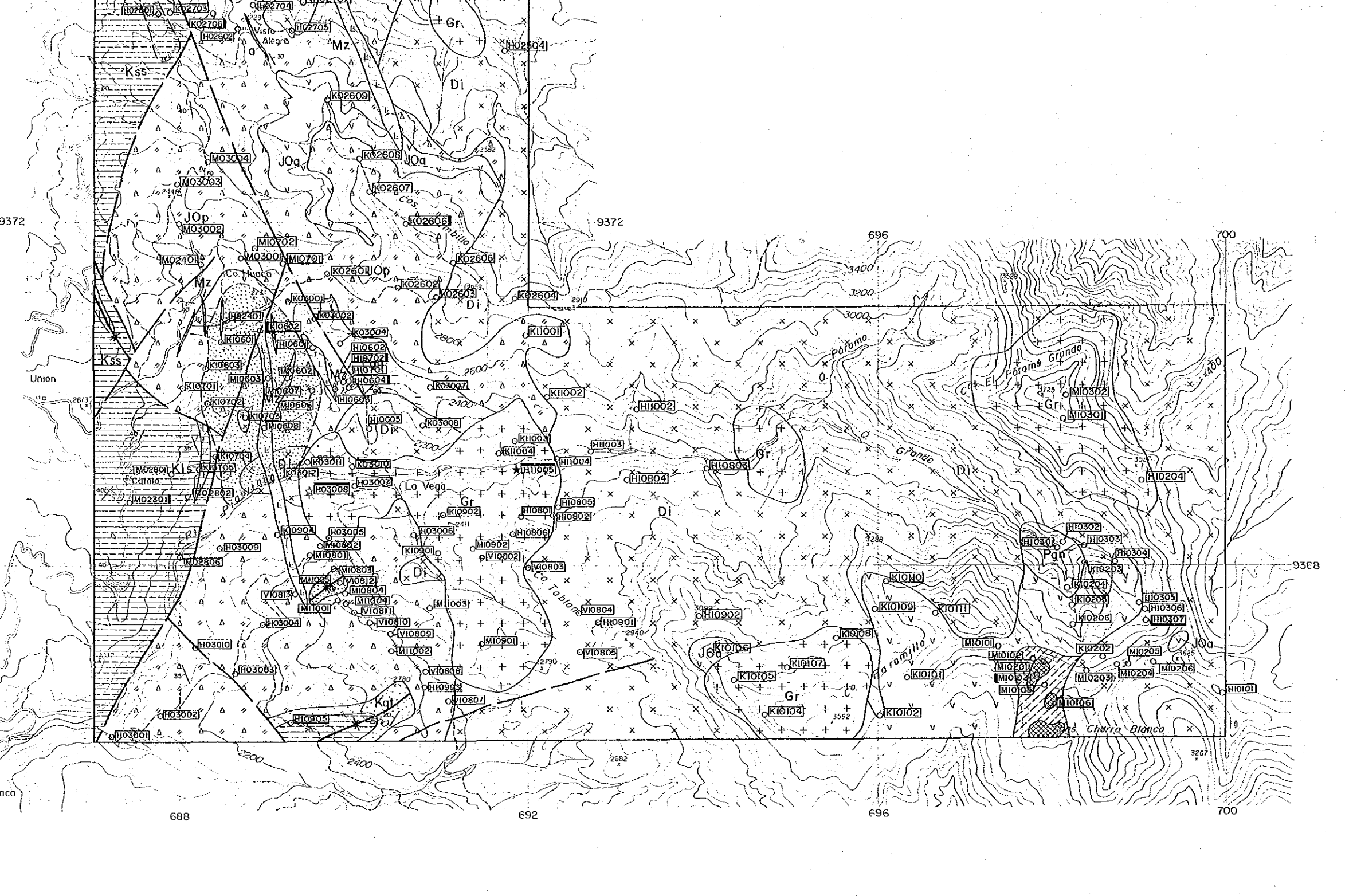


LEGEND

- Geochemical sample
  - Isotopic age determination sample
  - Whole rock analysis sample
  - Ore grade analysis sample
  - Thin section sample
  - Rolished section sample
  - X-ray analysis sample
- 
- |                        |                      |                                      |
|------------------------|----------------------|--------------------------------------|
| Cretaceous             | Parialambo F.        | Kss Shale, Sandstone                 |
|                        | Chulec F.            | Kis Limestone                        |
|                        | Inco F.              | Kis Limestone                        |
| Jurassic               | Goylla-risquizgo GP. | Kqt Quartzite                        |
|                        | Ojolun Vol.          | JOa Andesite                         |
| Triassic               | Salas GP.            | JOp Tuff, Tuffbreccia, Lapilli Tuff, |
| Silurian<br>Ordovician | Olmos Cpx.           | Pgn Phyllite, Schist, Gneiss         |
- 
- Intrusives
- Andesite
  - Mz Monzonite Tonalite
  - Gr Granite
  - Di Diorite, Granodiorite
- Alteration
- Skarn
  - Silicified Zone







**LEGEND**

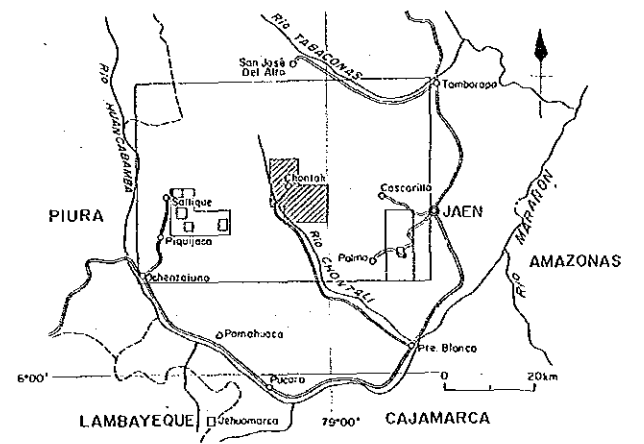
- Geochemical sample
- Isotopic age determination sample
- Whole rock analysis sample
- Ore grade analysis sample
- Thin section sample
- Rollished section sample
- X-ray analysis sample

- Cretaceous**
  - Pariatambo F. Kss Shale, Sandstone
  - Chulec F. Kis Limestone
  - Inca F. Kis Limestone
  - Goylla-risquizga GP. Kq1 Quartzite
- Jurassic**
  - JOa Andesite
- Triassic**
  - Oyatun Vol. JOp Tuff, Tuffbreccia, Lapilli Tuff,
- Silurian Ordovician**
  - Salas GP. Pgn Phyllite, Schist, Gneiss
  - Olmos Cpx.

- Intrusives**
  - Andesite
  - Mz Monzonite Tonalite
  - Granite
  - Diorite, Granodiorite
- Alteration**
  - Skarn
  - Silicified Zone
  - Chloritized Zone

- Others**
  - Fault
  - Anticlinal Axis
  - Synclinal Axis
  - Bedding
  - Schistosity
  - Landslide

THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
SAMPLE LOCATION MAP OF  
THE CHONTALI AREA

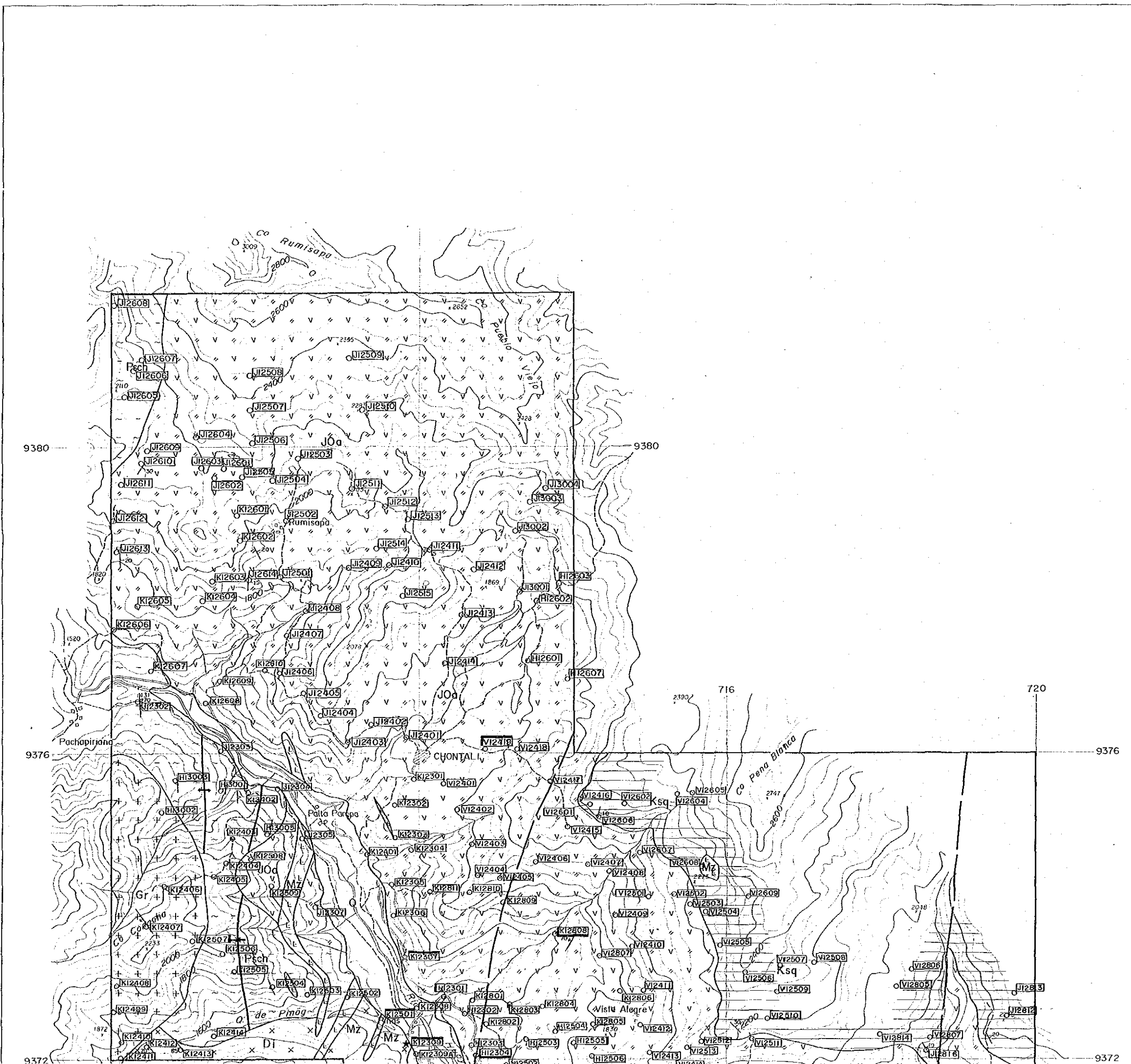


JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



LEGEND

- Geochemical sample
  - ★ Isotopic age determination sample
  - ⊕ Whole rock analysis sample
  - ⊖ Ore grade analysis sample
  - Thin section sample
  - Polished section sample
  - X-ray analysis sample
- |                   |                        |      |                                  |
|-------------------|------------------------|------|----------------------------------|
| Quaternary        | Alluvium               | Q    | Gravel, Sand                     |
| Cenozoic          | Pariutambo F.          | Ksq  | Sandstone, Limestone             |
|                   | Chulec F.              |      |                                  |
|                   | Inca F.                |      |                                  |
|                   | Goylla-<br>risquez GP. |      |                                  |
| Jurassic          | Oyulun F.              | JOp  | Andesite, Andesitic Pyroclastics |
| Triassic          |                        |      | Shale, Sandstone                 |
| Silurian          | Sales Gpe.             | Psch | Phyllite, Schist                 |
|                   | Olmos Cpx.             |      |                                  |
| <b>Intrusives</b> |                        |      |                                  |
|                   | Mz                     |      | Monzonite, Tonalite              |
|                   | Gr                     |      | Granite                          |
|                   | Di                     |      | Diorite, Granodiorite            |
| <b>Others</b>     |                        |      |                                  |
|                   |                        |      | Quartz Vein                      |
|                   |                        |      | Fault                            |
|                   |                        |      | Anticlinal Axis                  |
|                   |                        |      | Synclinal Axis                   |
|                   |                        |      | Bedding                          |
|                   |                        |      | Schistosity                      |

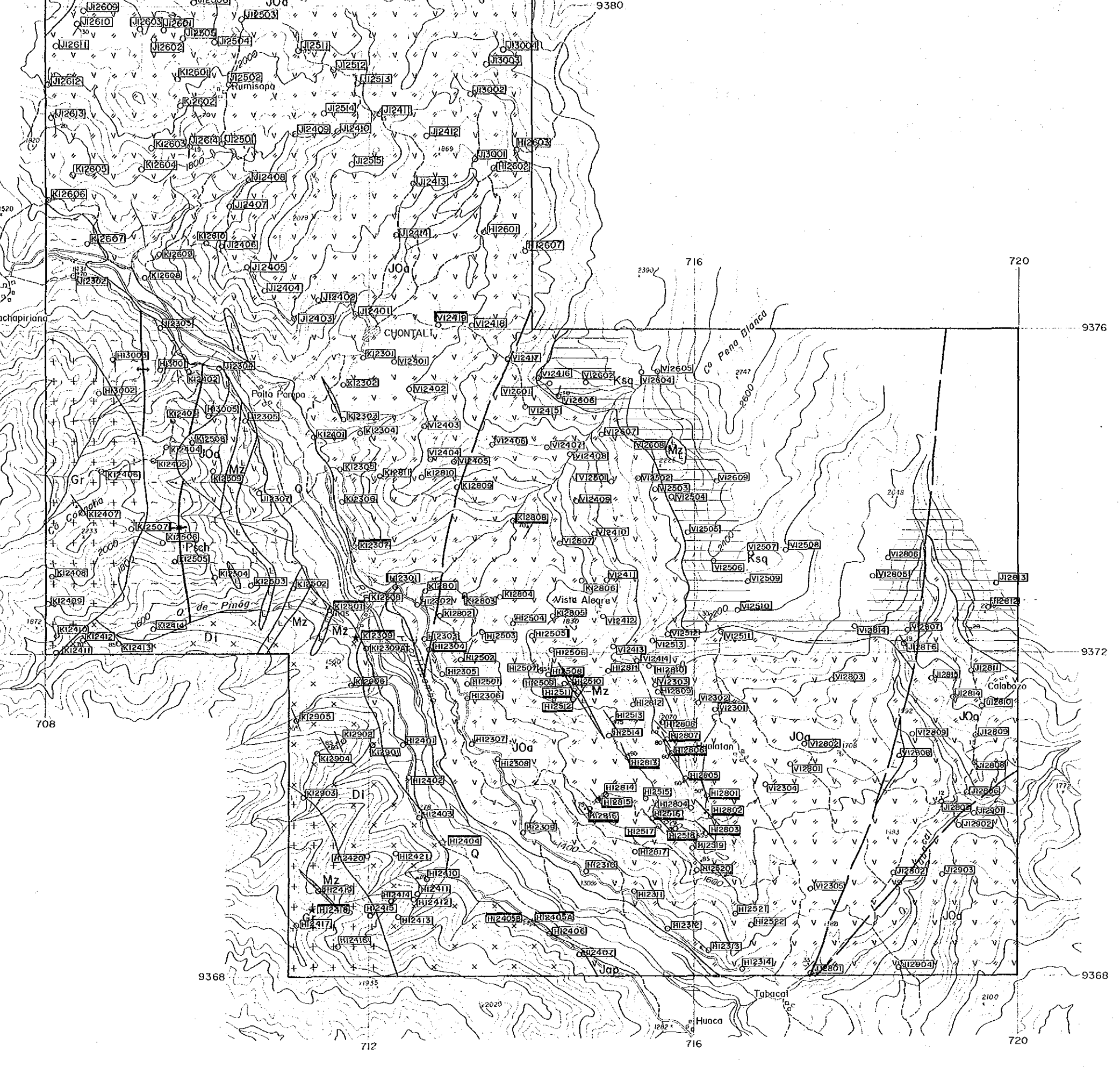


9380

9376

9372

9368



**LEGEND**

- Geochemical sample
  - ★ Isotopic age determination sample
  - ⊕ Whole rock analysis sample
  - Ore grade analysis sample
  - Thin section sample
  - Rolled section sample
  - X-ray analysis sample
- 
- |            |                          |      |   |
|------------|--------------------------|------|---|
| Quaternary | Alluvium                 | Q    | Gravel, Sand<br>Sandstone, Limestone    |
| Cretaceous | Pariatambo F.            | Ksq  | Quartzite                               |
|            | Chulec F.                |      |   |
|            | Inca F.                  |      |   |
|            | Goylla-<br>risquizga GP. |      |   |
| Jurassic   | Oyetan F.                | JOa  | Andesite, Andesitic<br>Shale, Sandstone |
| Triassic   |                          |      |   |
| Silurian   | Salas Gps.               | Pach | Phyllite, Schist                        |
| Ordovician | Olmos Cpx.               |      |   |
- 
- Intrusives**
- Mz Monzonite, Tonalite
  - Gr Granite
  - Di Diorite, Granodiorite
- 
- Others**
- Quartz Vein
  - Fault
  - Anticlinal Axis
  - Synclinal Axis
  - Bedding
  - Schistosity

708

712

716

720

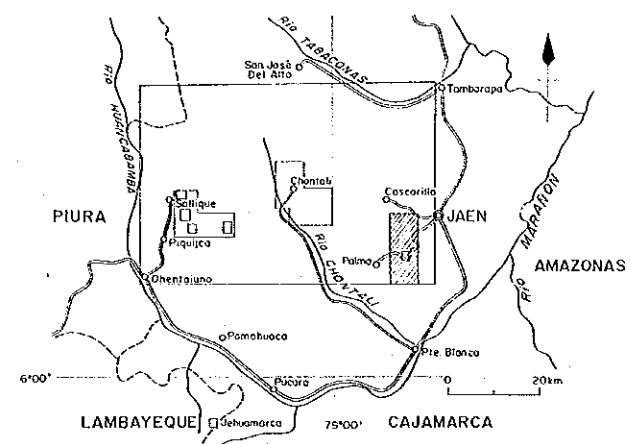
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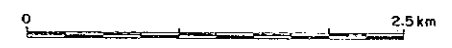
9372

9368

THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
SAMPLE LOCATION MAP OF  
THE PALMA AREA



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



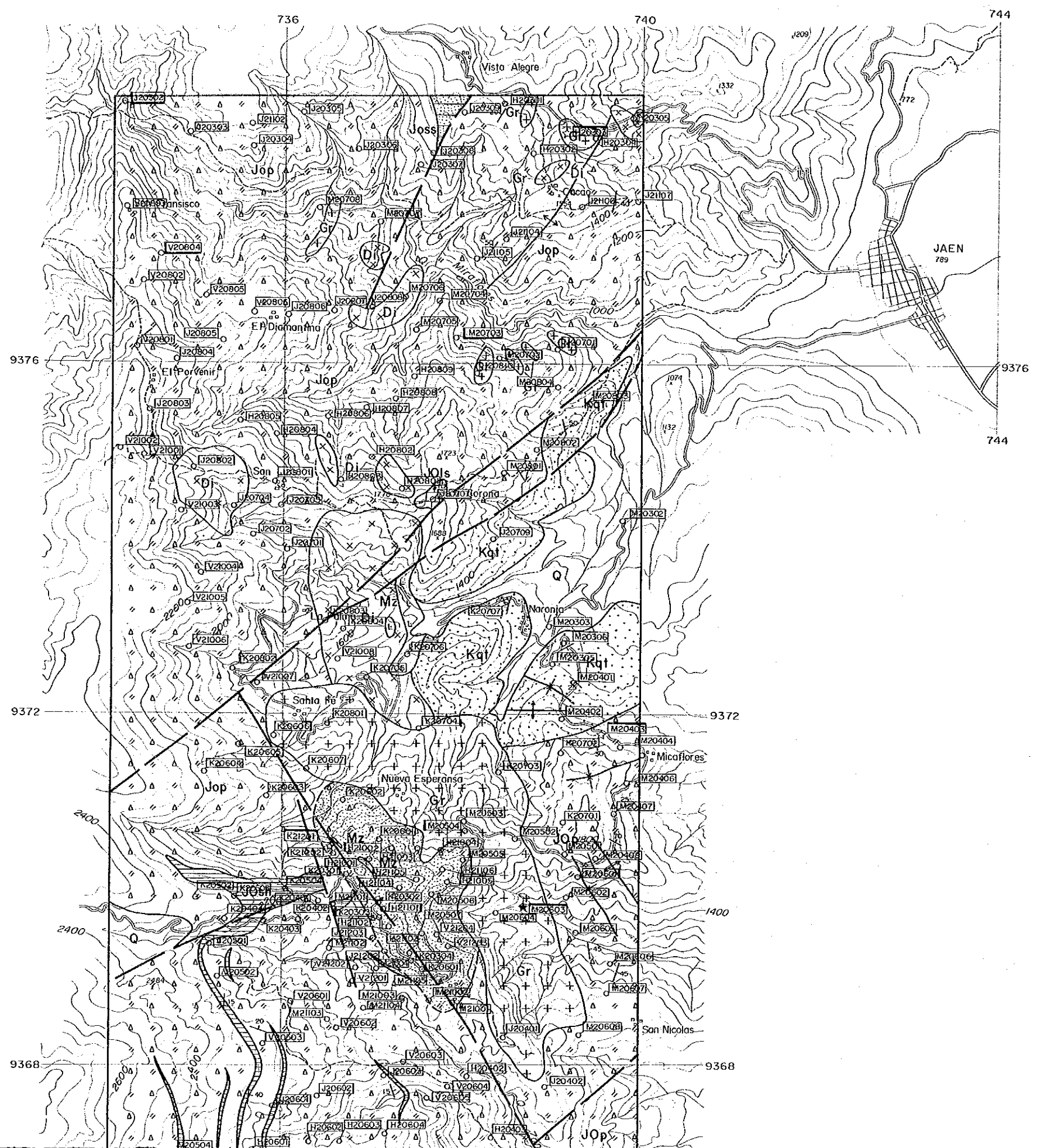
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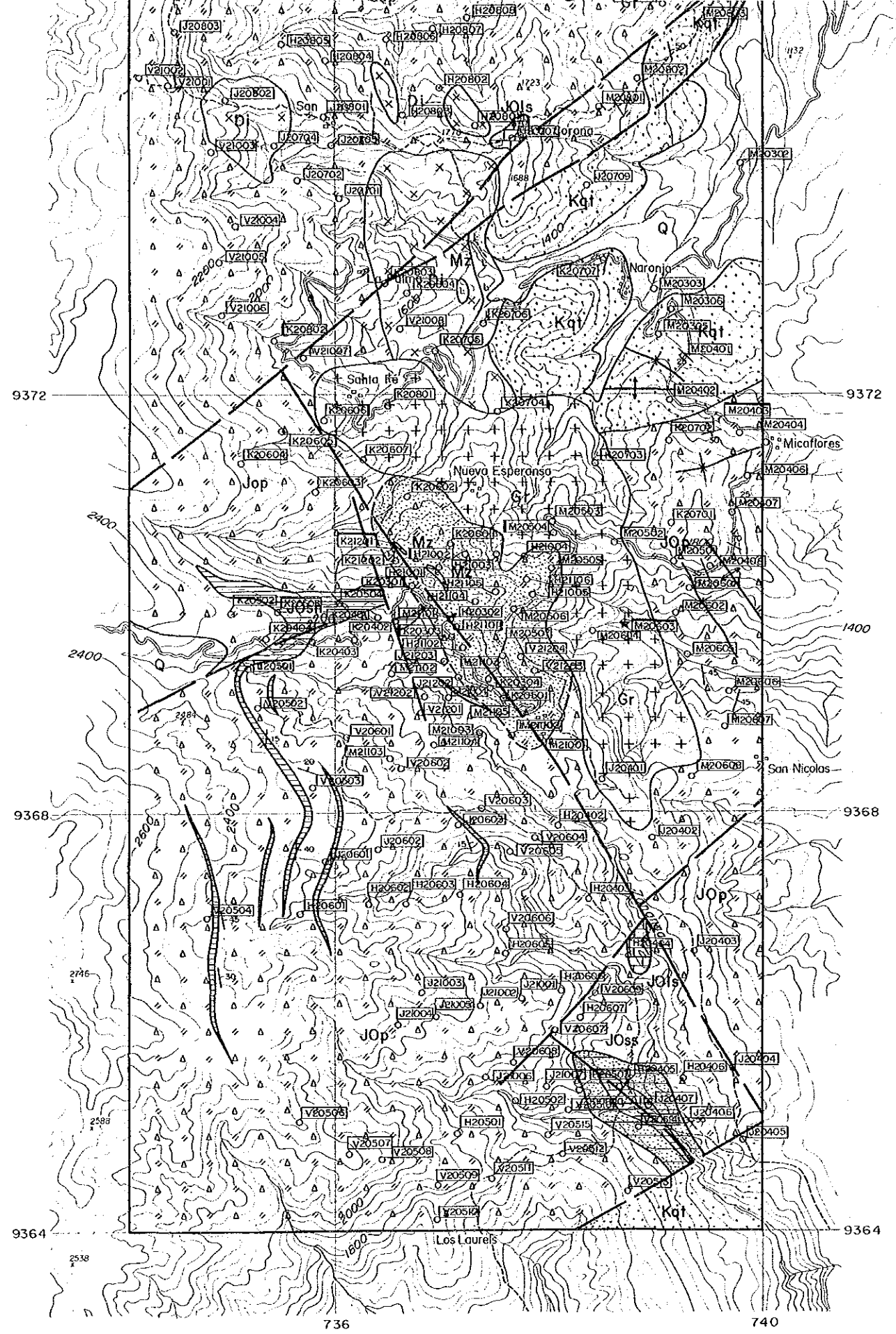
- Geochemical sample
- ★ Isotopic age determination sample
- ☆ Whole rock analysis sample
- Ore grade analysis sample
- Thin section sample
- Polished section sample
- X-ray analysis sample

- Quaternary Alluvium Q Gravel, Sand
- Cretaceous Goylla risquizga F. Kqt Quartzite, Sandstone
- Jurassic Oyatun Val. J0sh Shale
- J0ss Sandstone
- J0is Limestone
- J0p Andesite, Tuff, Tuffbreccia

- Intrusives
- Mz Monzonite, Tonalite
  - Gr Granitic
  - Di Diorite, Granodiorite

- Others
- Silicified Zone
  - Fault
  - Anticlinal Axis
  - Synclinal Axis
  - Bedding





LEGEND

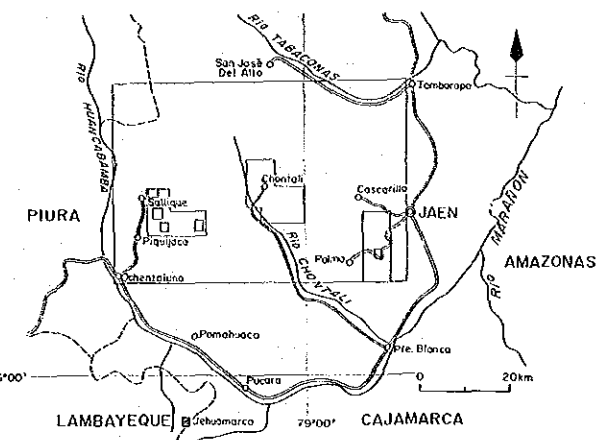
- Geochemical sample
- ★ Isotopic age determination sample
- ☆ Whole rock analysis sample
- Ore grade analysis sample
- Thin section sample
- Rolled section sample
- X-ray analysis sample

- Quaternary Alluvium Q Gravel, Sand
- Cretaceous Goytia risquizgo F. Kq1 Quartzite, Sandstone
- Jurassic Oyatun Vol. Joss Shale
- Jois Sandstone
- Jois Limestone
- Jop Andesite, Tuff, Tuffbreccio

- Intrusives
- Mz Monzonite, Tonolite
  - Gr Granitic
  - Di Diorite, Granodiorite

- Others
- Silicified Zone
  - Fault
  - Anticlinal Axis
  - Synclinal Axis
  - Bedding

THE MINERAL EXPLORATION  
IN  
THE PACHAPIRIANA AREA, REPUBLIC OF PERU  
( PHASE I )  
SAMPLE LOCATION MAP OF  
THE JEHUAMARCA MINERALIZED ZONE



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY 1989



LEGEND

- |          |          |      |      |                                  |
|----------|----------|------|------|----------------------------------|
| Tertiary | Porculla | vol. | TPp  | Tuff, Lapilli tuff, Tuff breccia |
|          |          |      | TPsh | Shale, Siltstone                 |
|          |          |      | Si   | Silicified rock                  |
|          |          |      |      | Argillized zone                  |
|          |          |      |      | Fault, Fissure                   |
|          |          |      |      | Bedding                          |

