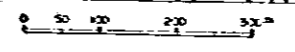
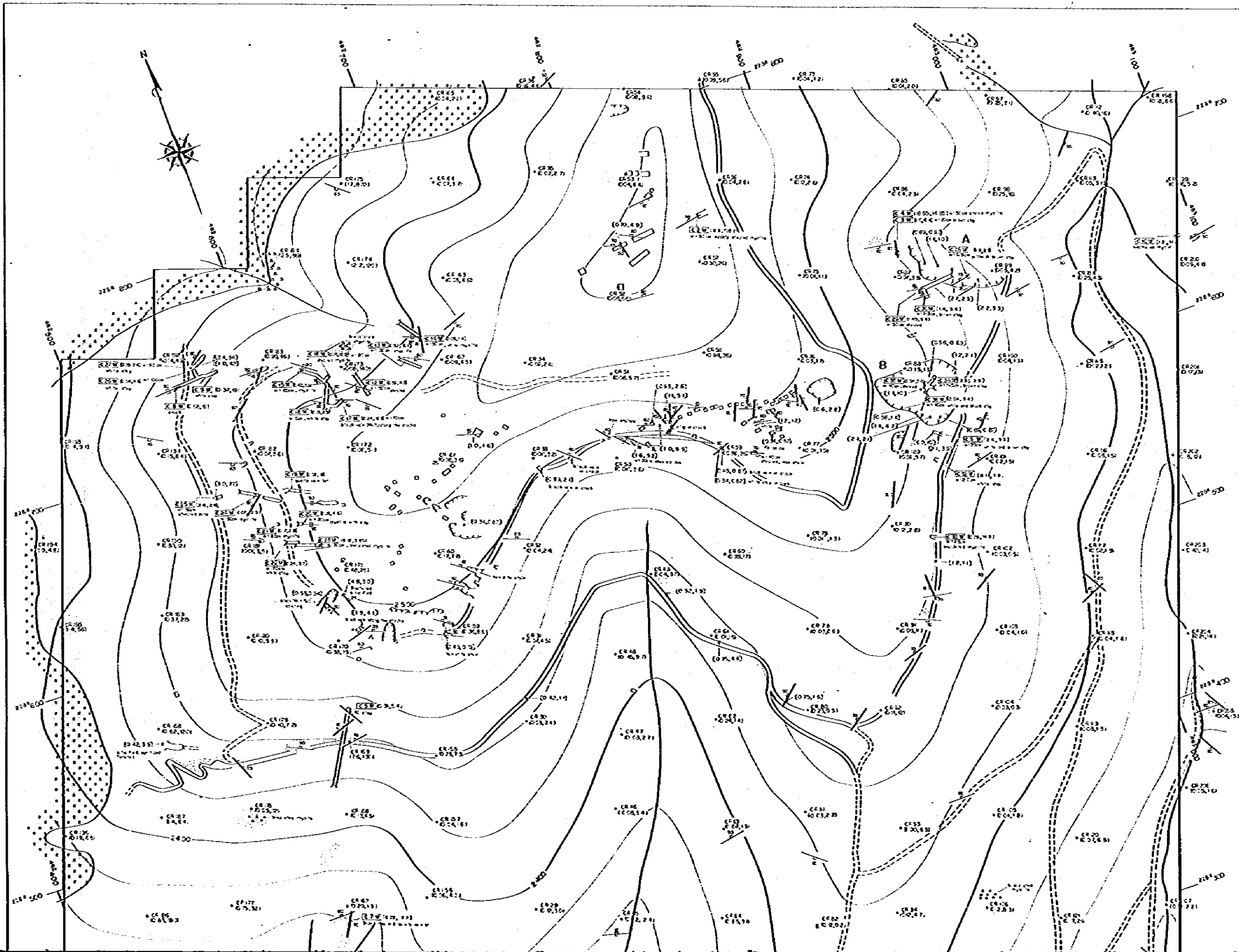


Feature / Label	Approximate Location (Top-Left to Bottom-Right)
Contour Lines	Throughout the map, representing elevation contours.
Grid Lines	Vertical and horizontal lines forming a coordinate grid.
San Juan	Top left corner.
San Juan	Top center.
San Juan	Top right corner.
San Juan	Middle left side.
San Juan	Middle center.
San Juan	Middle right side.
San Juan	Bottom left corner.
San Juan	Bottom center.
San Juan	Bottom right corner.
San Juan	Bottom edge, near the scale bar.



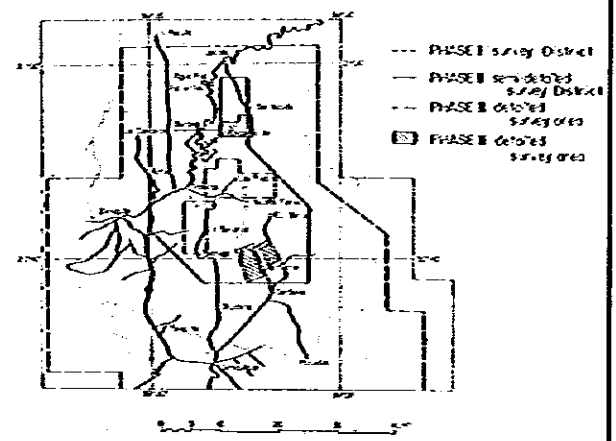


PL 2-4-4

GEOLOGICAL SURVEY  
OF  
THE PACHUCA - ZIMAPAN AREA  
PHASE II

GEOLOGICAL SKETCH OF THE SAN SEVERIANO  
MINE, IN THE SAN CLEMENTE AREA

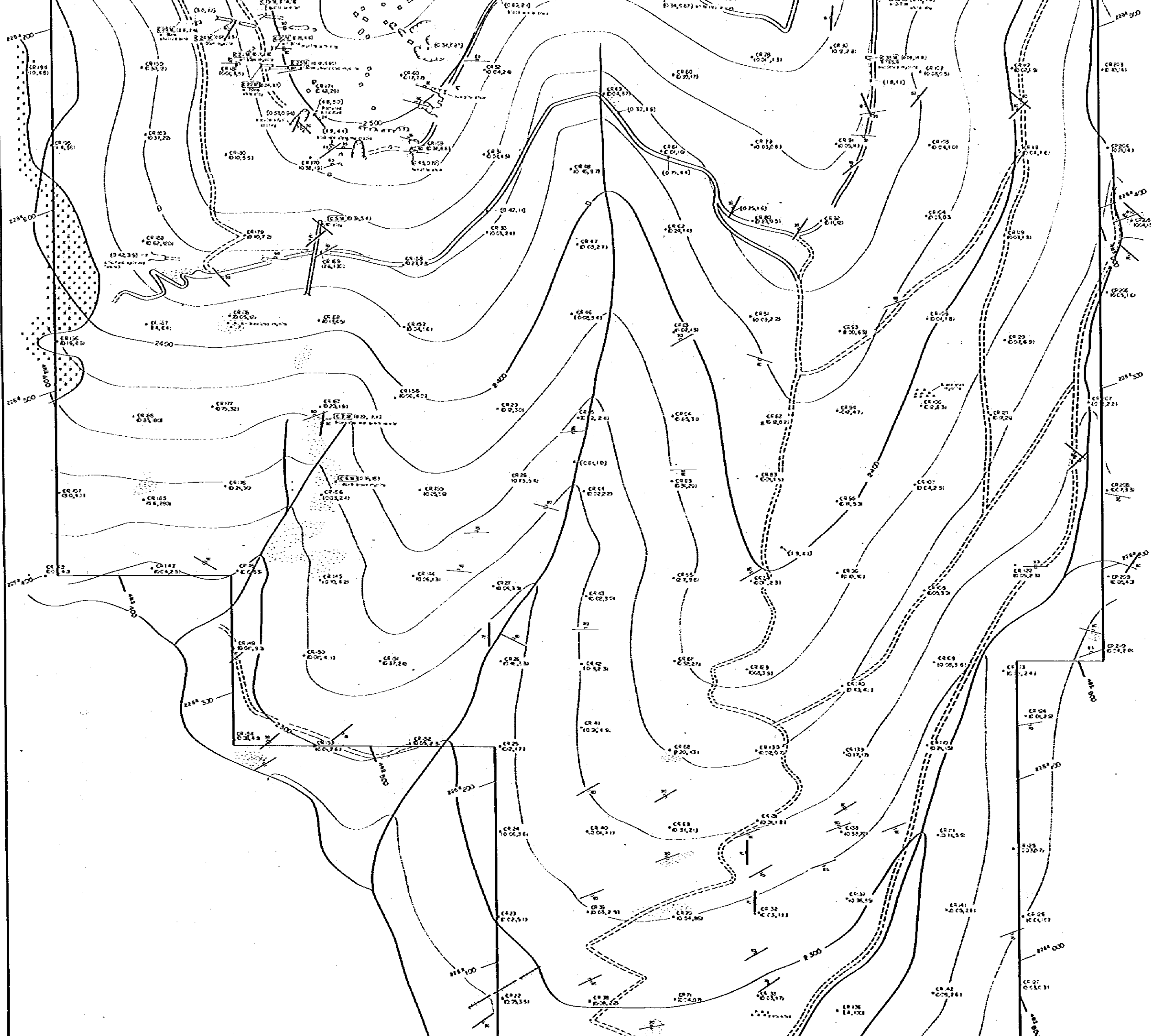
Scale 1 : 1,000



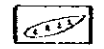
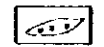
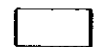


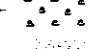

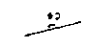

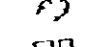
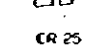
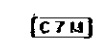
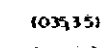
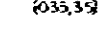

JAPAN INTERNATIONAL COOPERATION AGENCY AND  
METAL MINING AGENCY OF JAPAN  
IN COLLABORATION WITH  
CONSEJO DE RECURSOS MINERALES DE MEXICO  
FEBRUARY 1962

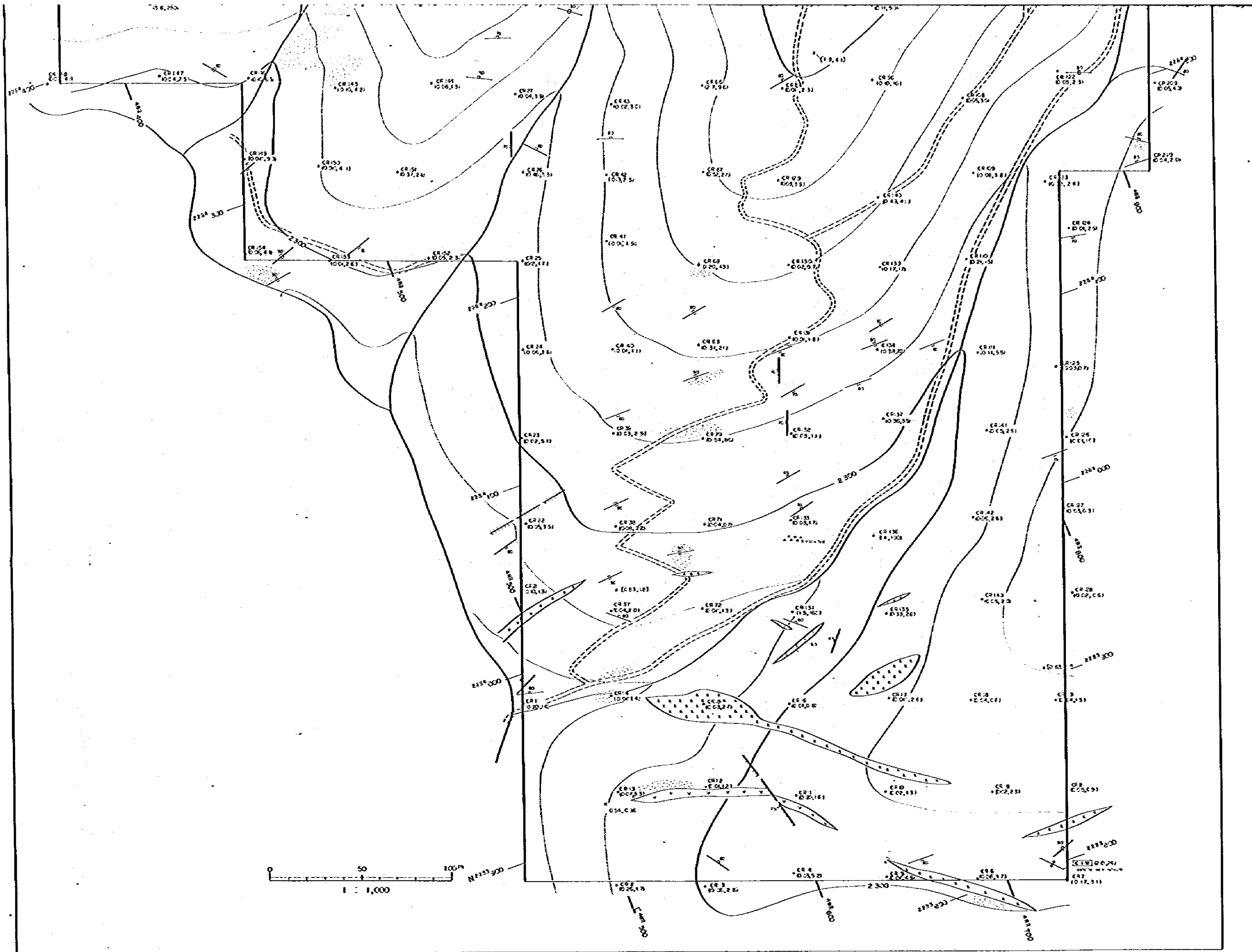
LEGEND

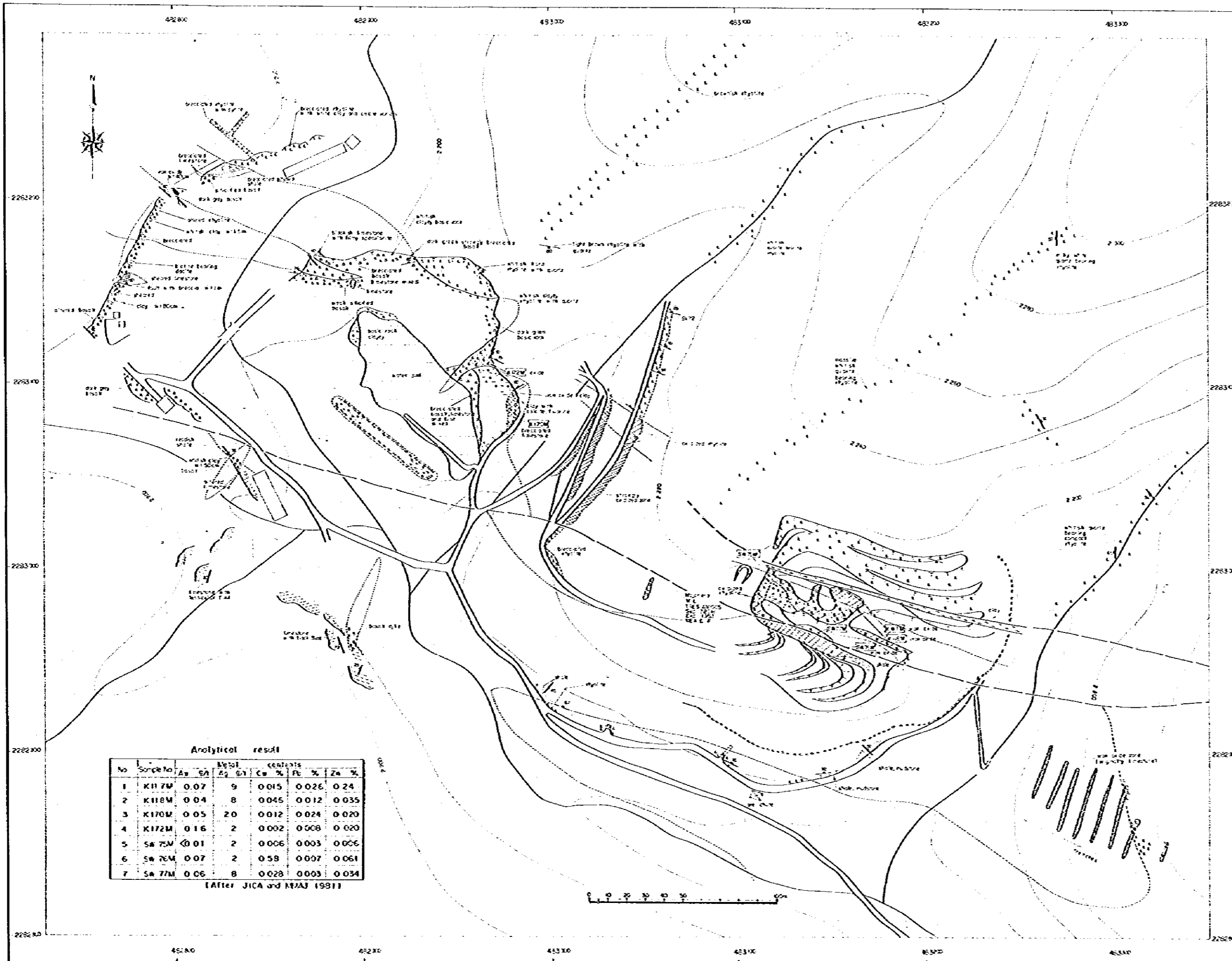
- Diorite porphyry
- Altered rhyolite
- Compact rhyolite
- Diorite porphyry
- Altered rhyolite
- Oxidized zone
- Fault
- Joint
- Aft
- Open pit
- Trench and pit
- Geochemical rock sample
- Sample of ore
- Analytical results of Au Ag, Ag Zn (1982)
- Analytical results of Au Ag, Ag Zn (1981)



**LEGEND**

-  Diorite
-  Andesite
-  Compact rhyolite
-  Diorite porphyry
-  Brecciated rhyolite
-  Oxidized zone
-  Fault
-  Zone
-  Adit
-  Open pit
-  Trench and pit
-  Geochemical rock sample
-  Sample of ore
-  Analytical results of Au %<sub>1</sub>, Ag %<sub>1</sub> (1982)
-  Analytical results of Au %<sub>1</sub>, Ag %<sub>1</sub> (1981)





Analytical result

No	Sample No.	MgSO <sub>4</sub>		contents		
		As %	SA	Cu %	Pb %	Zn %
1	K117M	0.07	9	0.015	0.026	0.24
2	K118M	0.04	8	0.045	0.012	0.035
3	K170M	0.05	20	0.012	0.024	0.020
4	K172M	0.16	2	0.002	0.008	0.020
5	SA 76M	0.01	2	0.006	0.003	0.006
6	SW 76M	0.07	2	0.58	0.007	0.061
7	SA 77M	0.06	8	0.028	0.003	0.034

[After JICA and MIAJ (1981)]

PL 2-4-5

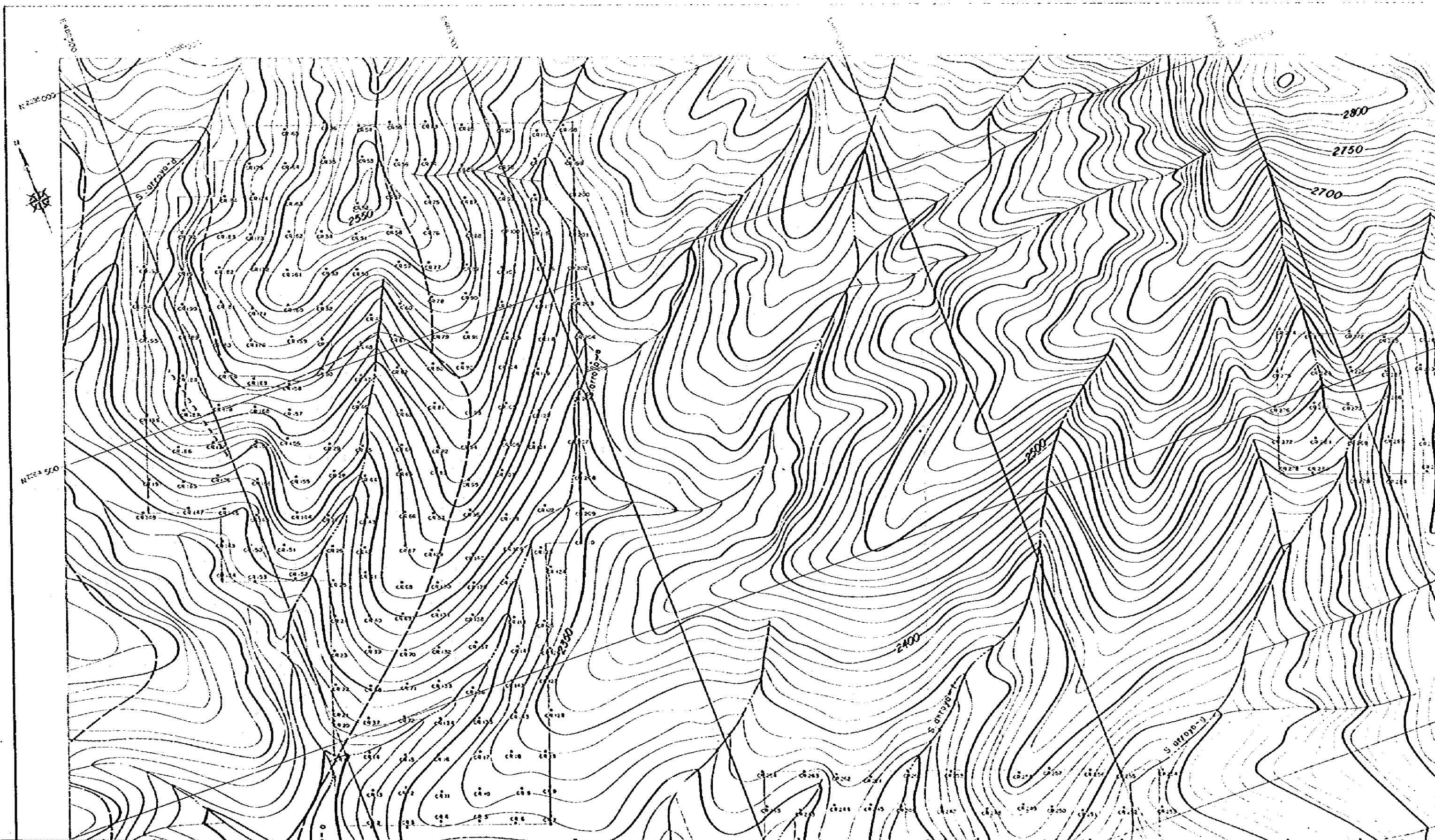
GEOLOGICAL SURVEY  
OF  
THE PACHUCA - ZIMAPAN AREA  
PHASE II

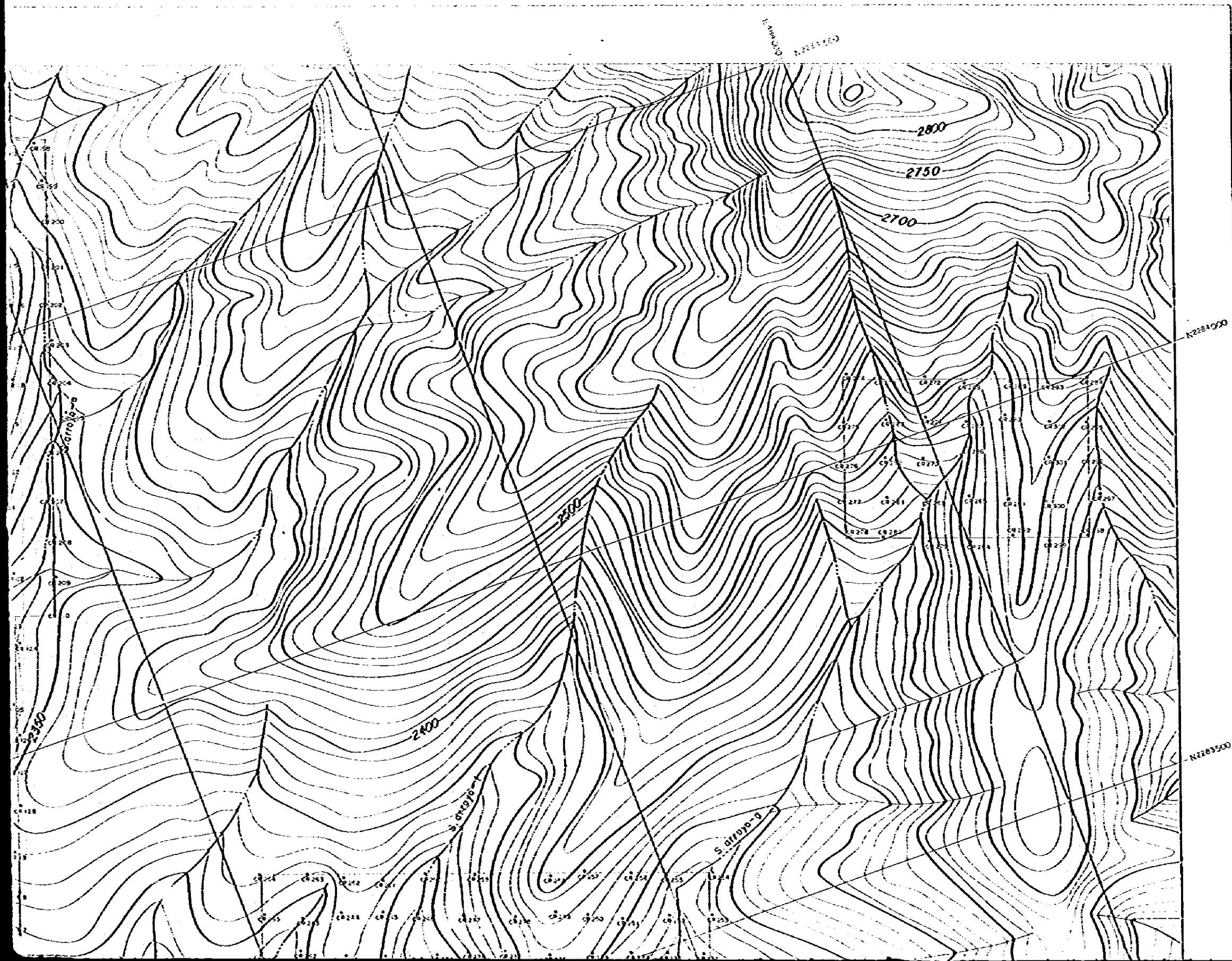
GEOLOGICAL SKETCH OF THE  
FLUORUROS DE HIDALGO MINE  
IN THE SAN CLEMENTE AREA  
Scale 1 : 1,000

JAPAN INTERNATIONAL COOPERATION AGENCY AND  
METAL MINING AGENCY OF JAPAN  
IN COLLABORATION WITH  
CONSEJO DE RECURSOS MINERALES DE MEXICO  
FEBRUARY 1982

LEGEND

- Basalt dote
- Rhyolite
- Basalt
- Limestone
- Slate
- Brecciated zone
- Oxidized zone
- Argillized zone
- Bedding
- Joint



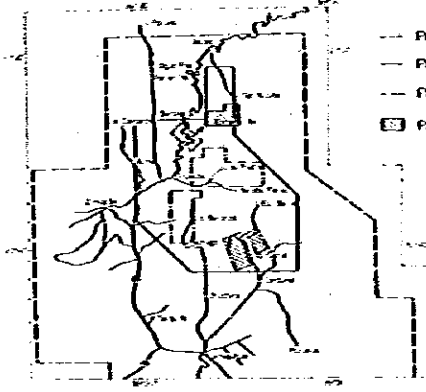


PL 2-4-6

GEOLOGICAL SURVEY  
OF  
THE PACHUCA - ZIMAPAN AREA  
PHASE III

LOCATION MAP OF ROCK SAMPLES FOR  
GEOCHEMICAL EXPLORATION IN THE  
SAN CLEMENTE AREA

Scale 1 : 2,500



--- PHASE I survey District

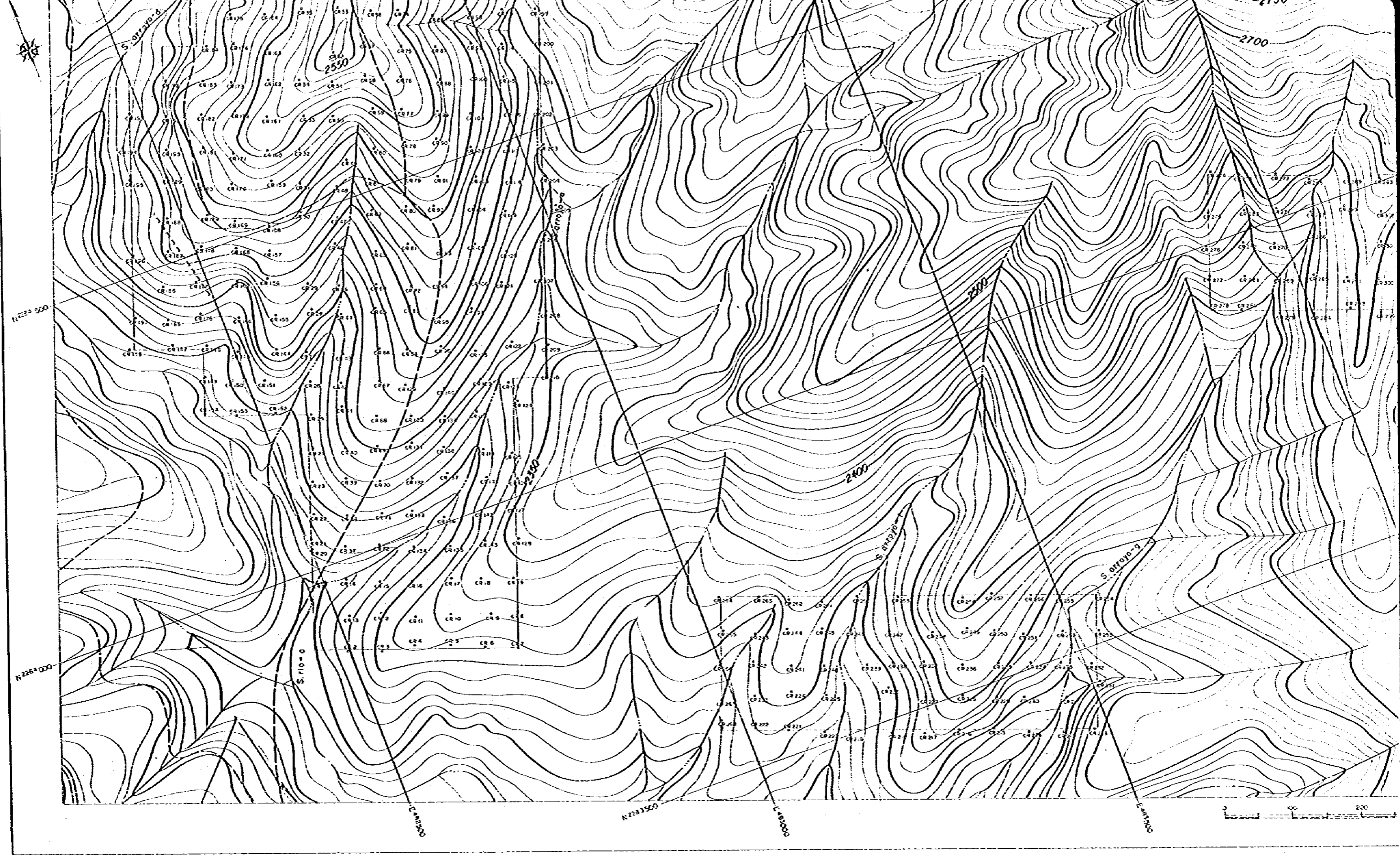
--- PHASE II sample locations survey District

--- PHASE II detailed survey area

■ PHASE II detailed survey area

JAPAN INTERNATIONAL COOPERATION AGENCY AND  
METAL MINING AGENCY OF JAPAN  
IN COLLABORATION WITH  
CONSEJO DE RECURSOS MINERALES DE MEXICO  
FEBRUARY 1982





S. 07100-8

2550

2700

N 2284 000

2400

2350

2400

N 2283 500

S. 110-0

S. 01070-0

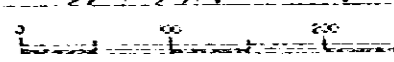
S. 01070-9

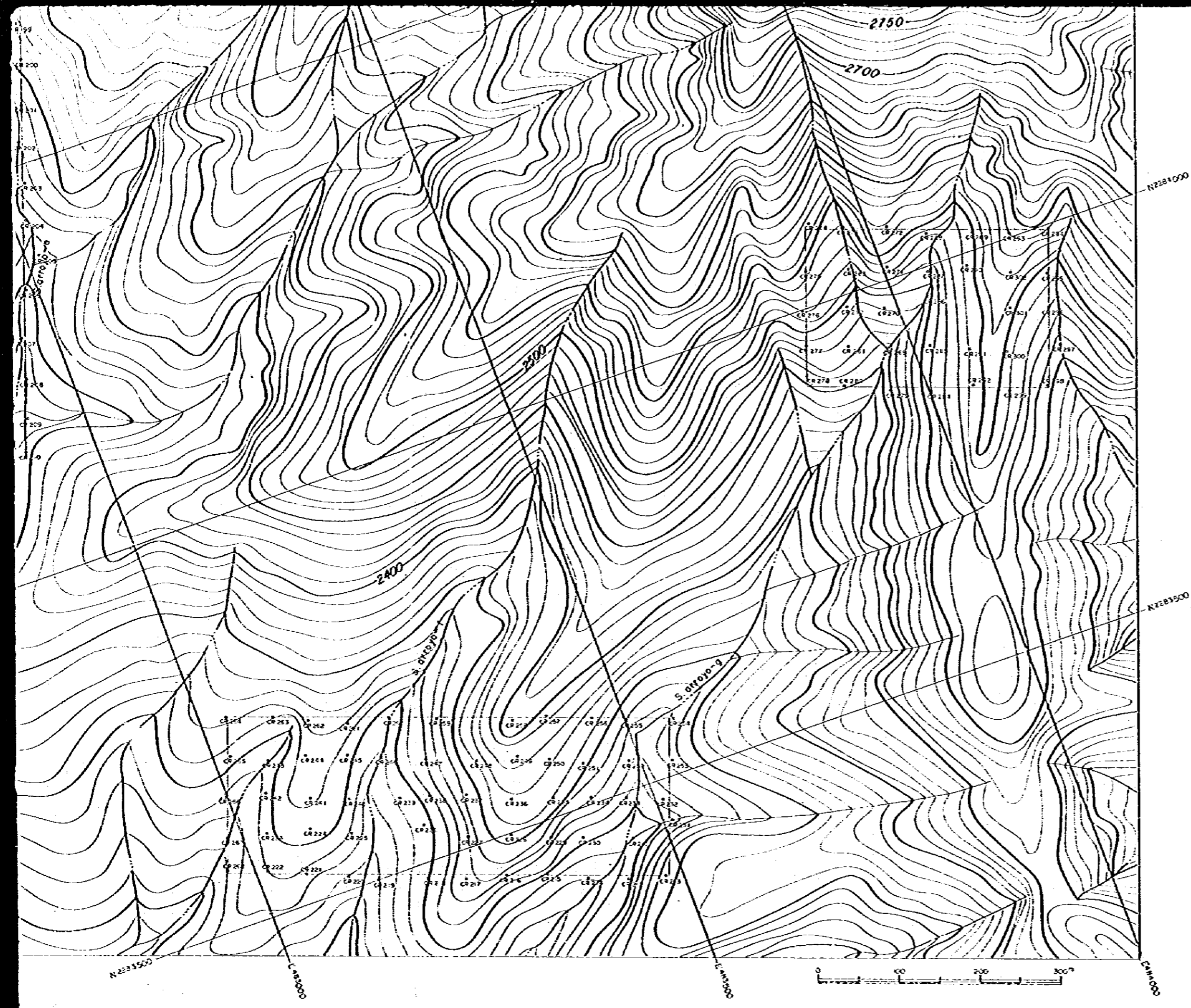
W 44300

N 2283 500

W 44350

W 44300

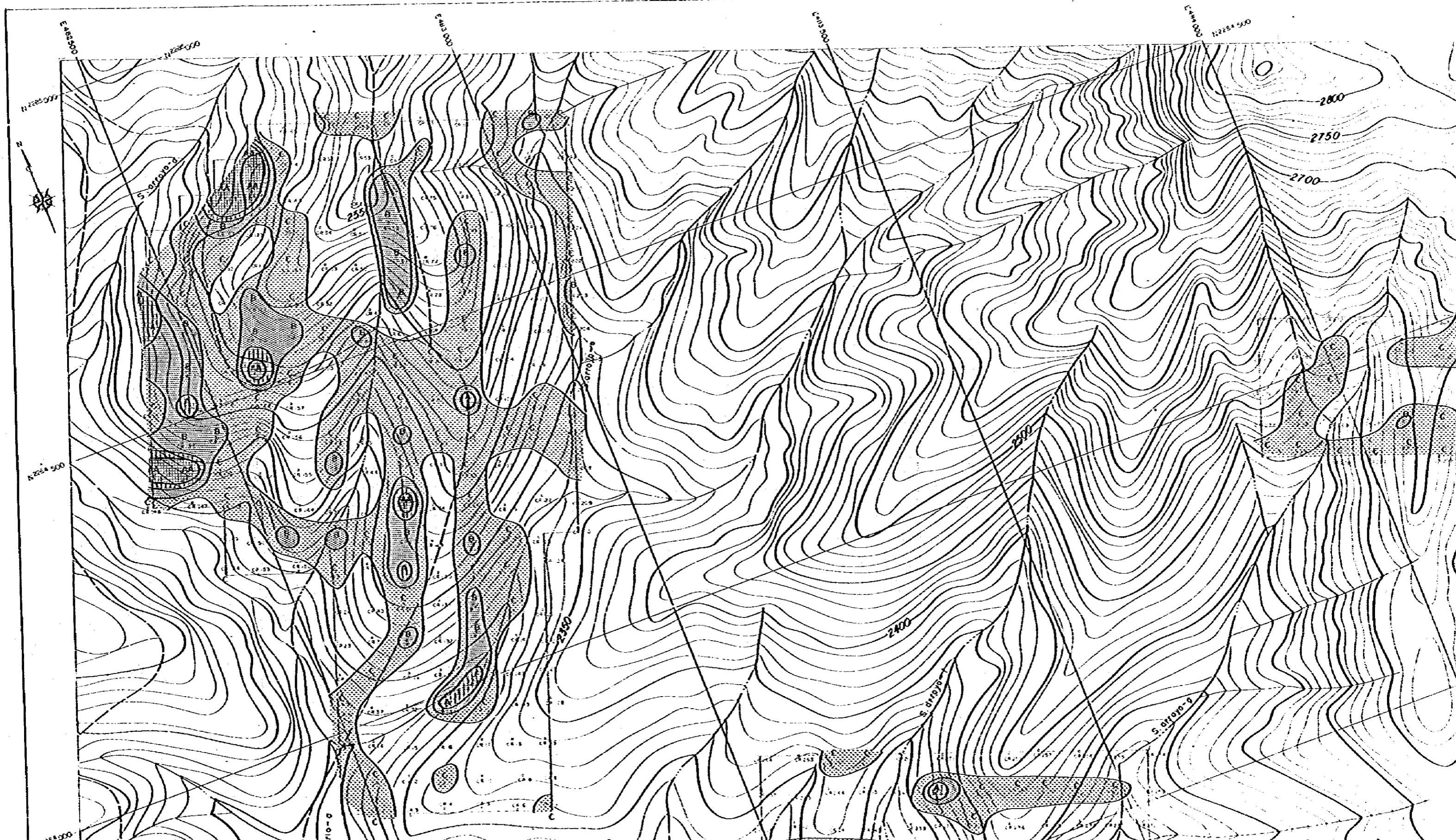


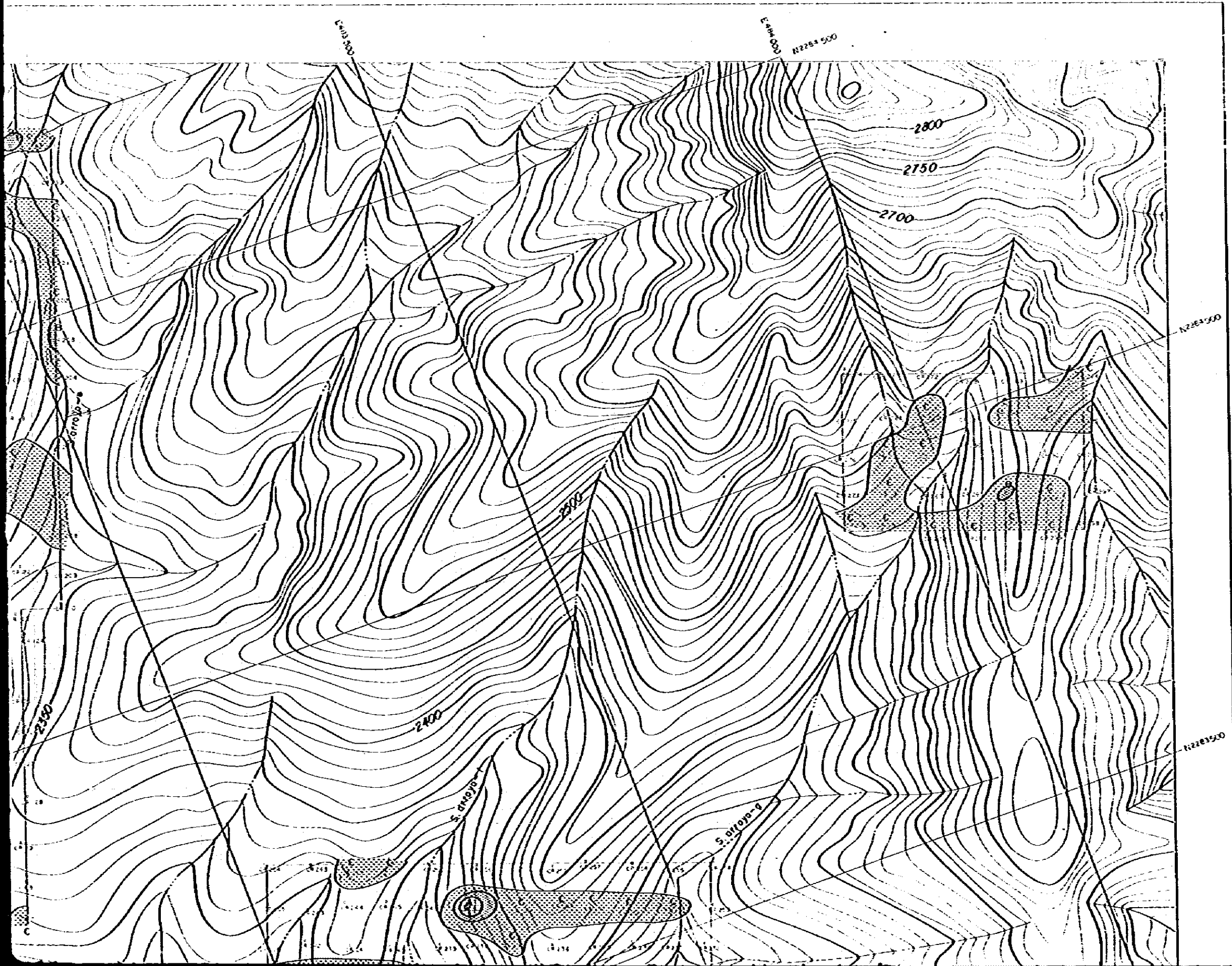


Scale 1 : 2,500

- PHASE I survey District
- PHASE II subdivided survey District
- PHASE II detailed survey area
- PHASE II detailed survey area

JAPAN INTERNATIONAL COOPERATION AGENCY AND  
METAL MINING AGENCY OF JAPAN  
IN COLLABORATION WITH  
CONSEJO DE RECURSOS MINERALES DE MEXICO  
FEBRUARY 1982



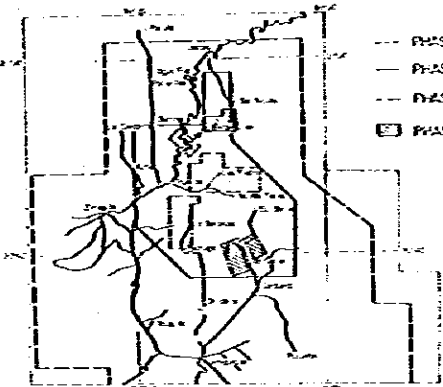


PL.2-4-7

GEOLOGICAL SURVEY  
OF  
THE PACHUCA - ZIMAPAN AREA  
PHASE II

GEOCHEMICAL Au ANOMALIES OF THE  
SAN CLEMENTE AREA (ROCK SAMPLE)

Scale 1 : 2,500



--- PHASE I Survey District





--- PHASE II Survey District

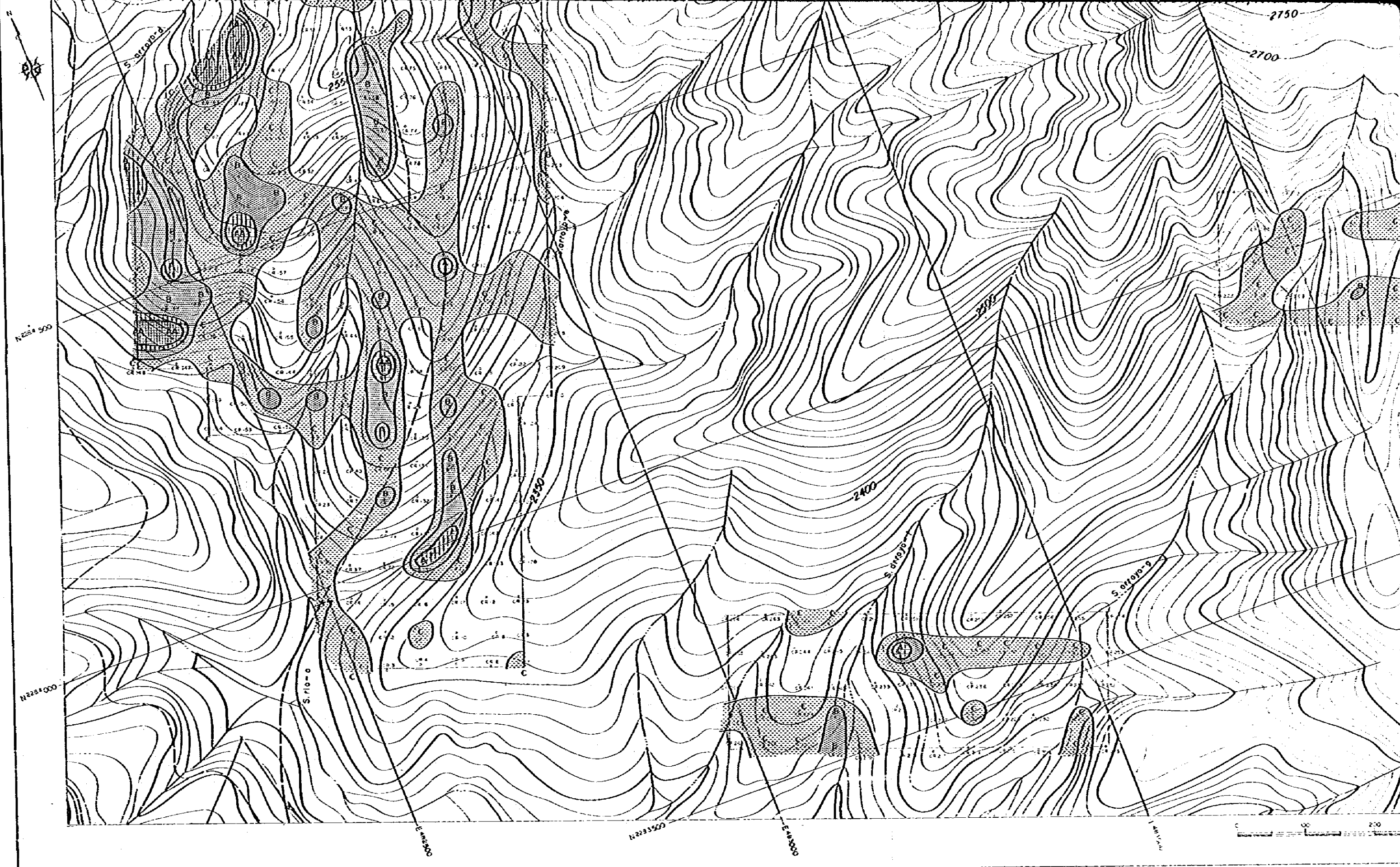
--- PHASE II Geologic Survey

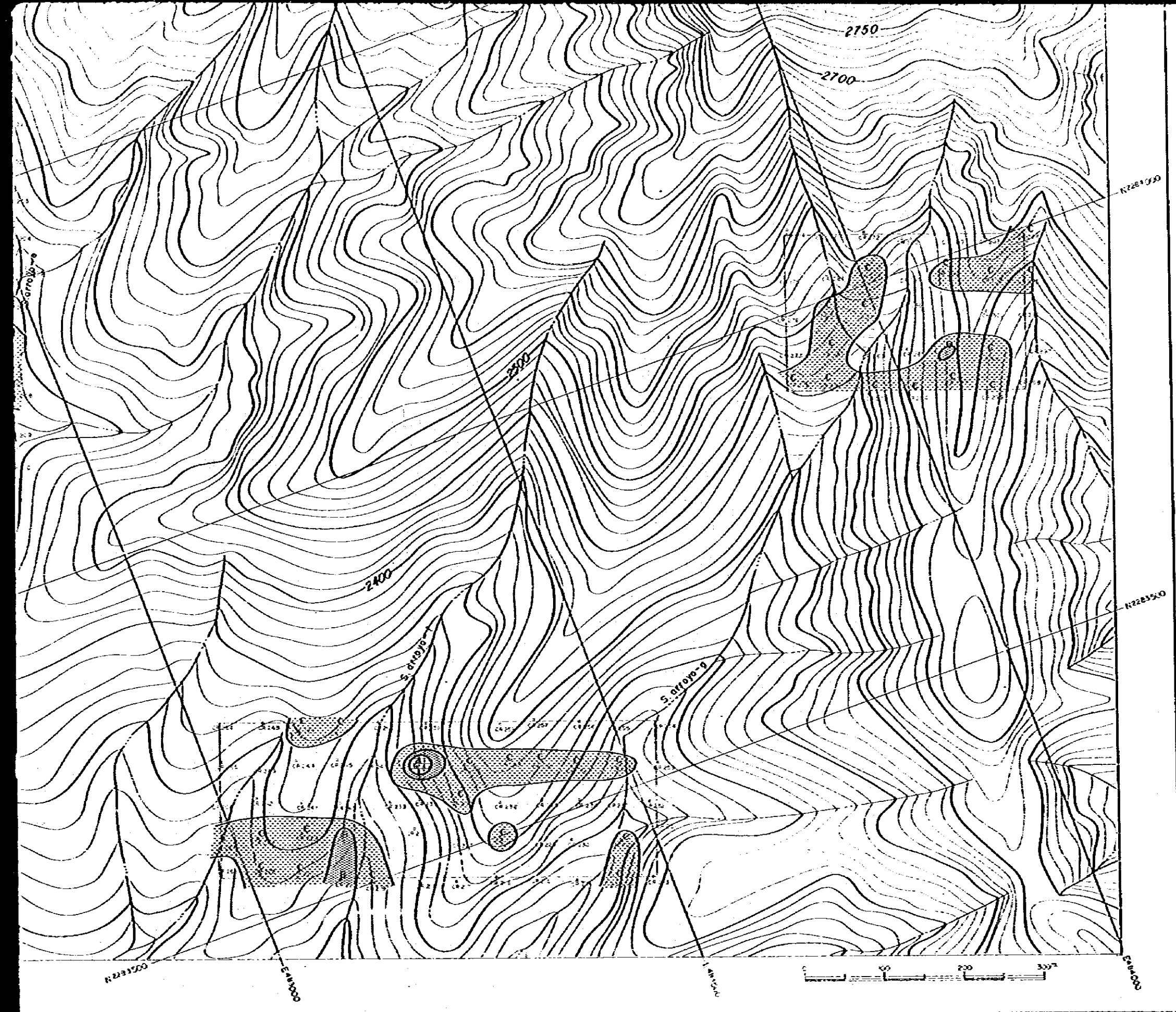
■ PHASE II Geologic Survey

JAPAN INTERNATIONAL COOPERATION AGENCY AND  
METAL MINING AGENCY OF JAPAN  
IN COLLABORATION WITH  
CONSEJO DE RECURSOS MINERALES DE MEXICO  
FEBRUARY 1982

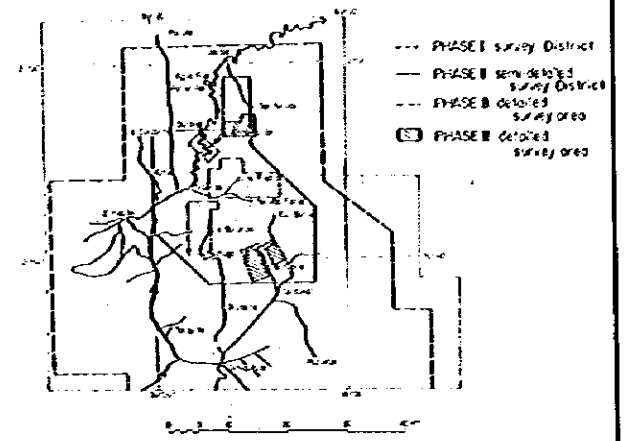
**LEGEND**

Symbol	Class of anomaly	Au contents (in ppm)
	AA	Au ≥ 2.09
	A	2.09 > Au ≥ 1.00
	B	1.00 > Au ≥ 0.36
	C	0.36 > Au ≥ 0.07





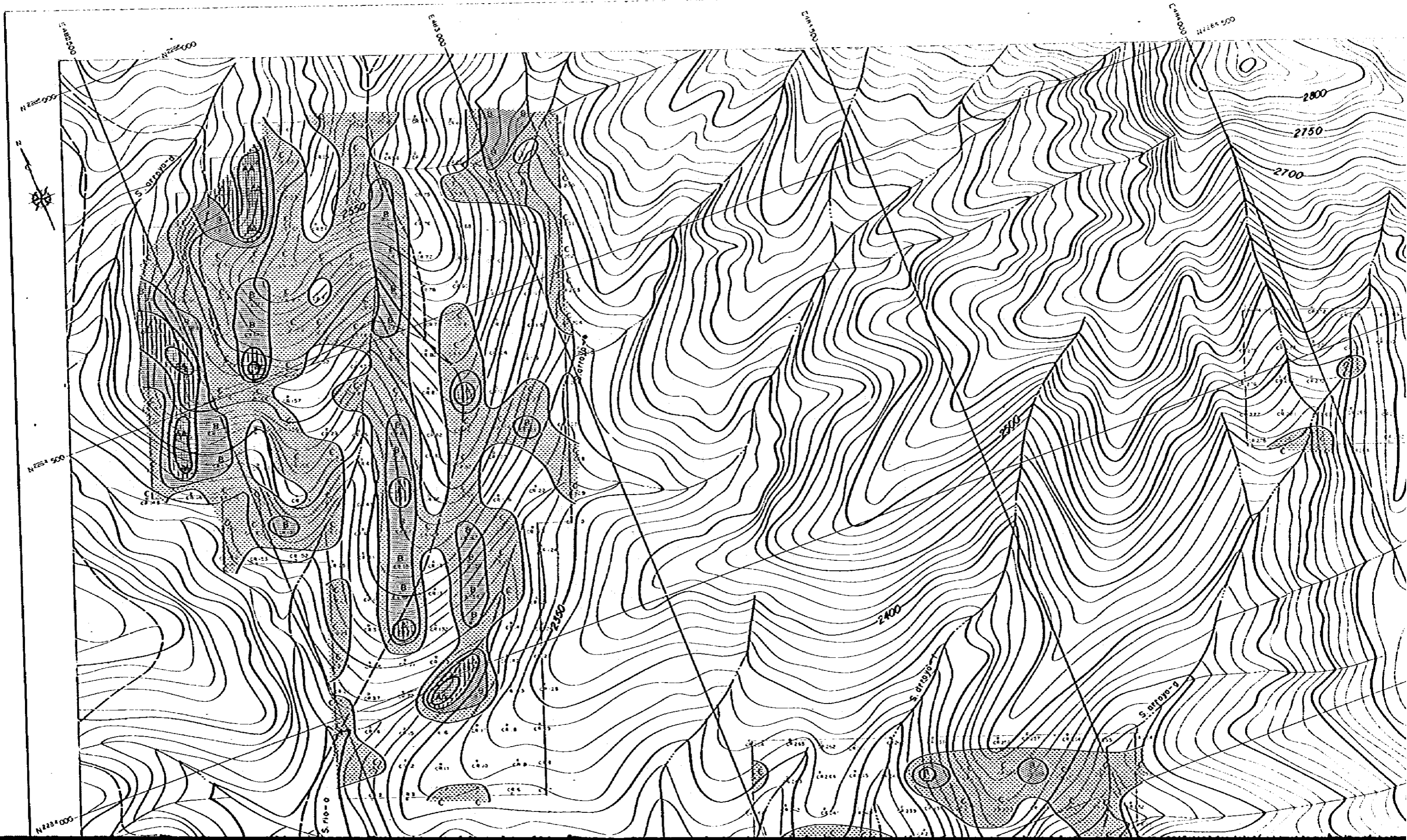
Scale 1 : 2,500

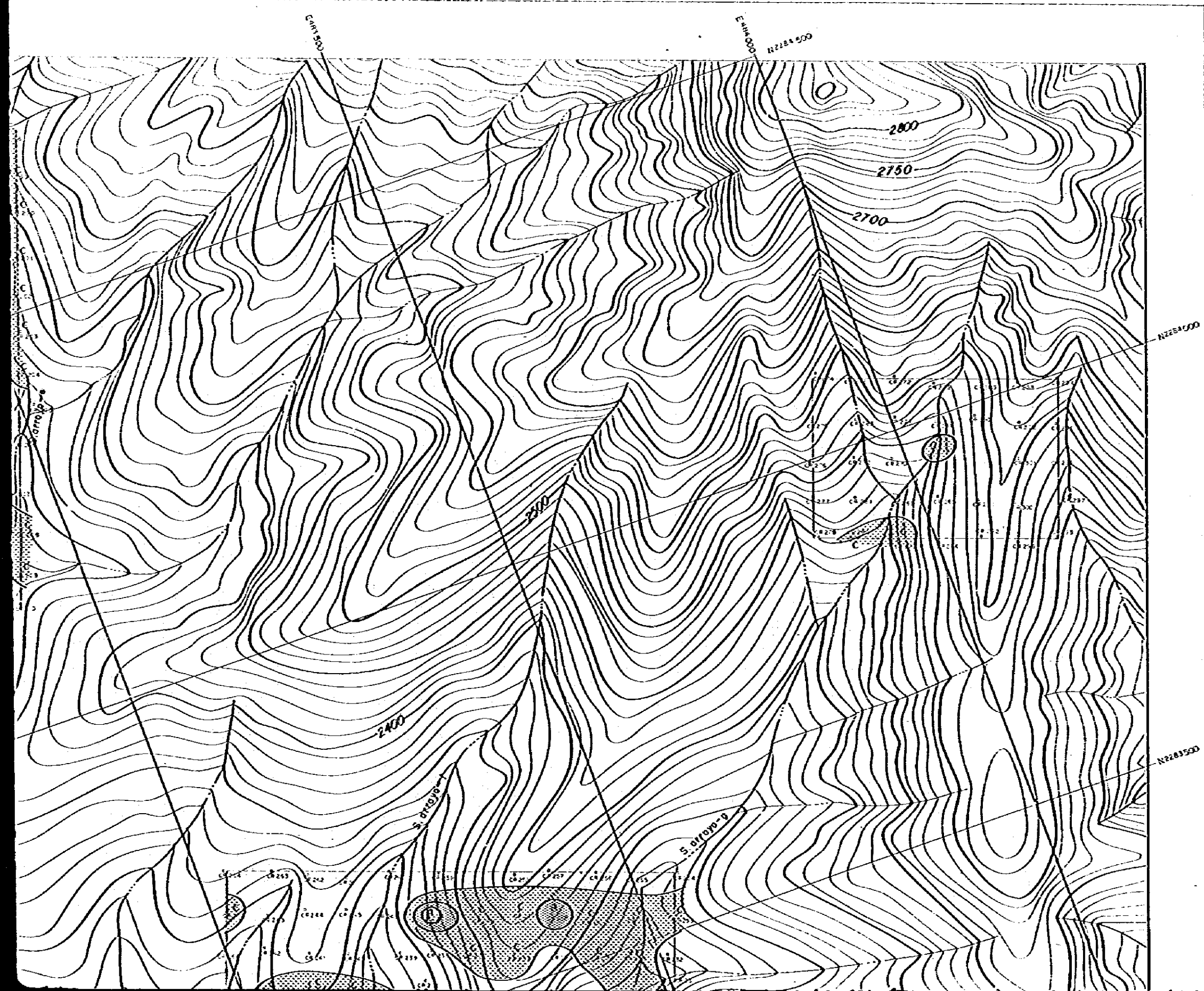


JAPAN INTERNATIONAL COOPERATION AGENCY AND  
 METAL MINING AGENCY OF JAPAN  
 IN COLLABORATION WITH  
 CONSEJO DE RECURSOS MINERALES DE MEXICO  
 FEBRUARY 1982

LEGEND

Symbol	Class of anomaly	As contents (in ppm)
	AA	As ≥ 2.09
	A	2.09 > As ≥ 1.00
	B	1.00 > As ≥ 0.36
	C	0.36 > As ≥ 0.07

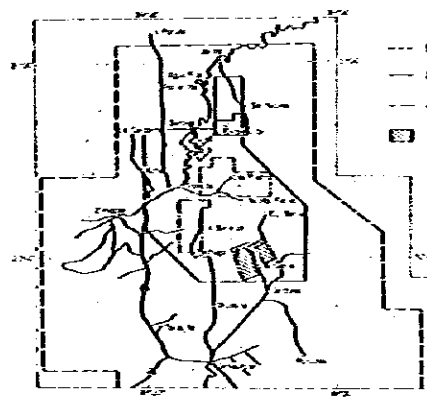




PL 2-4-8

GEOLOGICAL SURVEY  
OF  
THE PACHUCA - ZIMAPAN AREA  
PHASE III  
GEOCHEMICAL Ag ANOMALIES OF THE  
SAN CLEMENTE AREA (ROCK SAMPLE)

Scale 1 : 2,500



--- PHASE II survey District





— PHASE II subdivided survey District

--- PHASE II detailed survey area

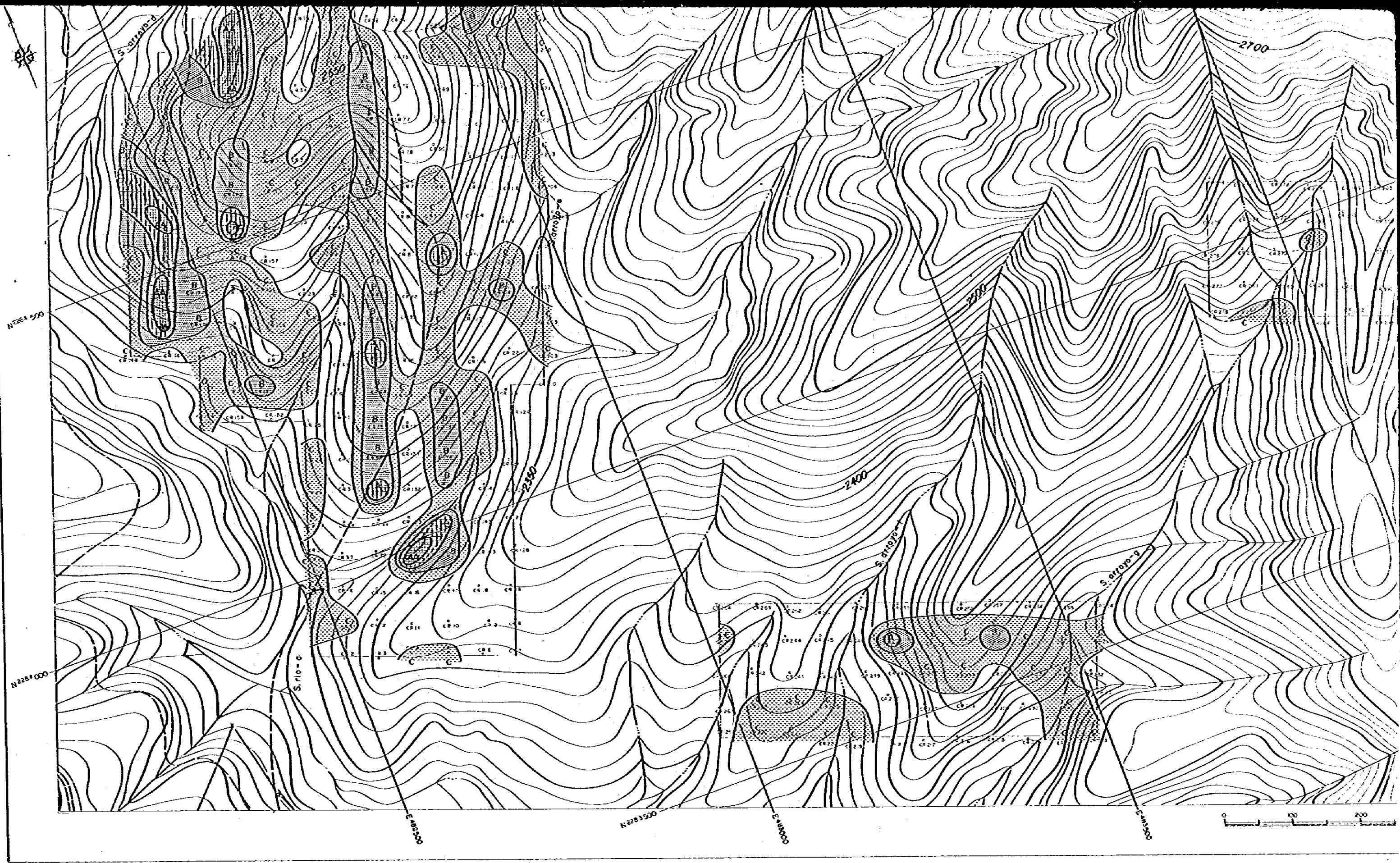
▨ PHASE II detailed survey area

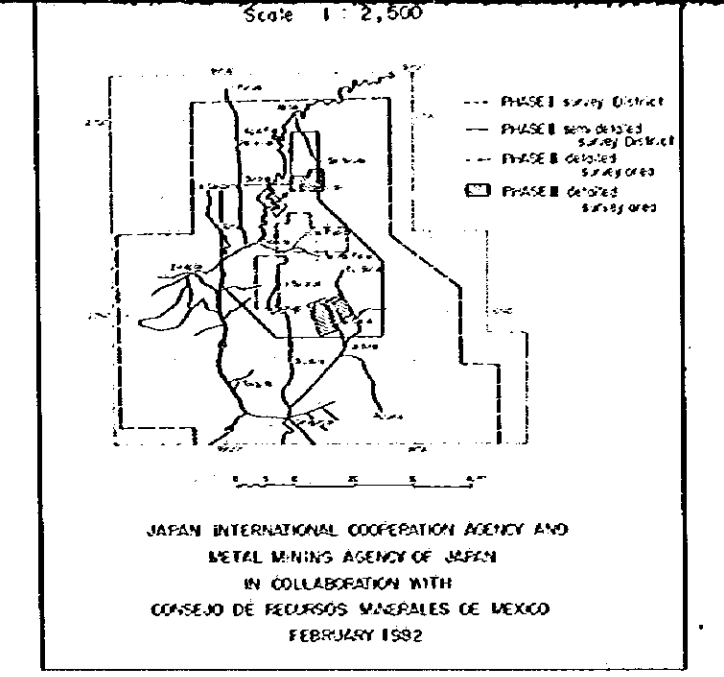
JAPAN INTERNATIONAL COOPERATION AGENCY AND  
METAL MINING AGENCY OF JAPAN  
IN COLLABORATION WITH  
CONSEJO DE RECURSOS MINERALES DE MEXICO  
FEBRUARY 1982

LEGEND

Symbol	Class of anomaly	Contents (ppm)
	AA	Ag ≥ 120.0
	A	120.0 > Ag ≥ 50.0
	B	50.0 > Ag ≥ 15.5
	C	15.5 > Ag ≥ 3.2

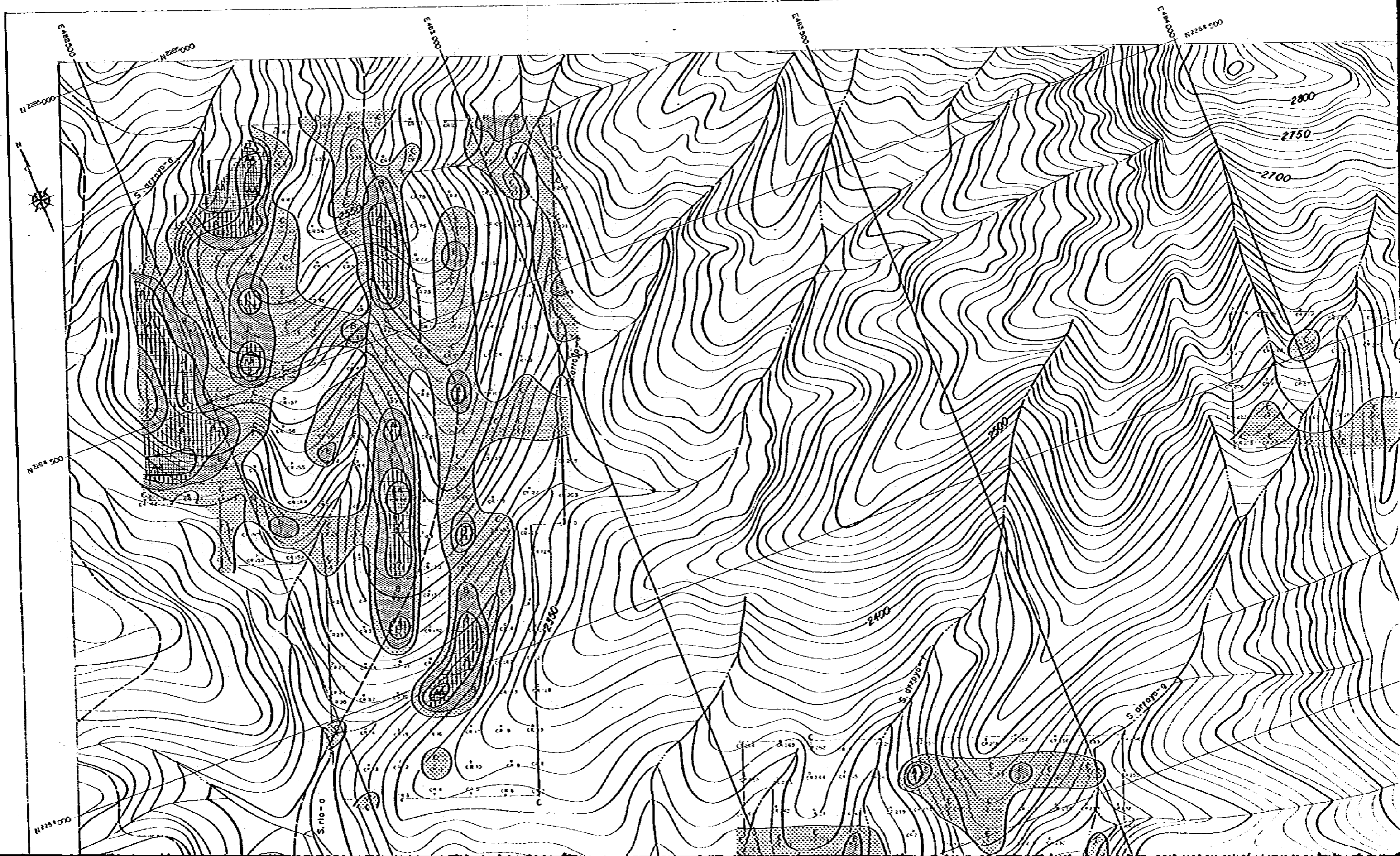


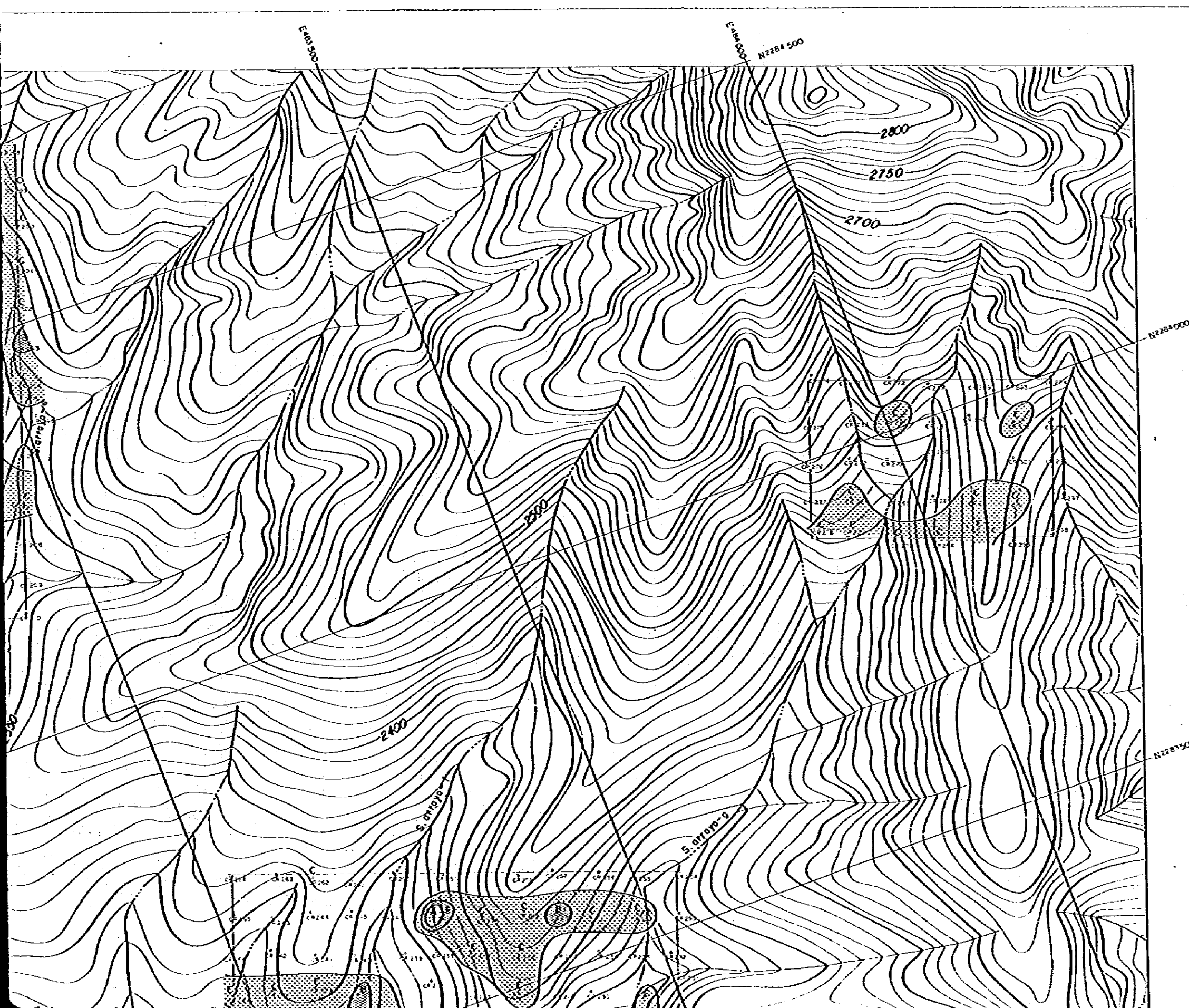




LEGEND

Symbol	Class of anomaly	Contents (ppm)
	AA	Ag ≥ 120.0
	A	120.0 > Ag ≥ 50.0
	B	50.0 > Ag ≥ 15.5
	C	15.5 > Ag ≥ 3.2



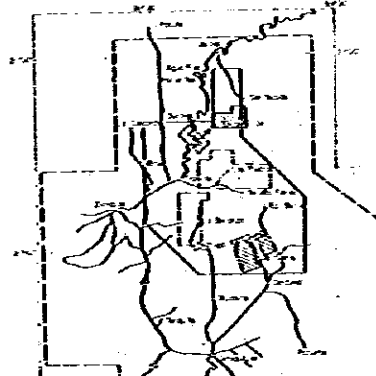


PL 2-4-9

GEOLOGICAL SURVEY  
OF  
THE PACHUCA - ZIMAPAN AREA  
PHASE II

GEOCHEMICAL  $Au + 1/50 Ag$  ANOMALIES  
OF THE SAN CLEMENTE AREA

Scale 1 : 2,500



--- PHASE I survey District

--- PHASE II subdivided survey District

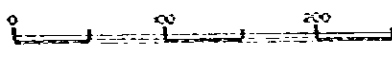
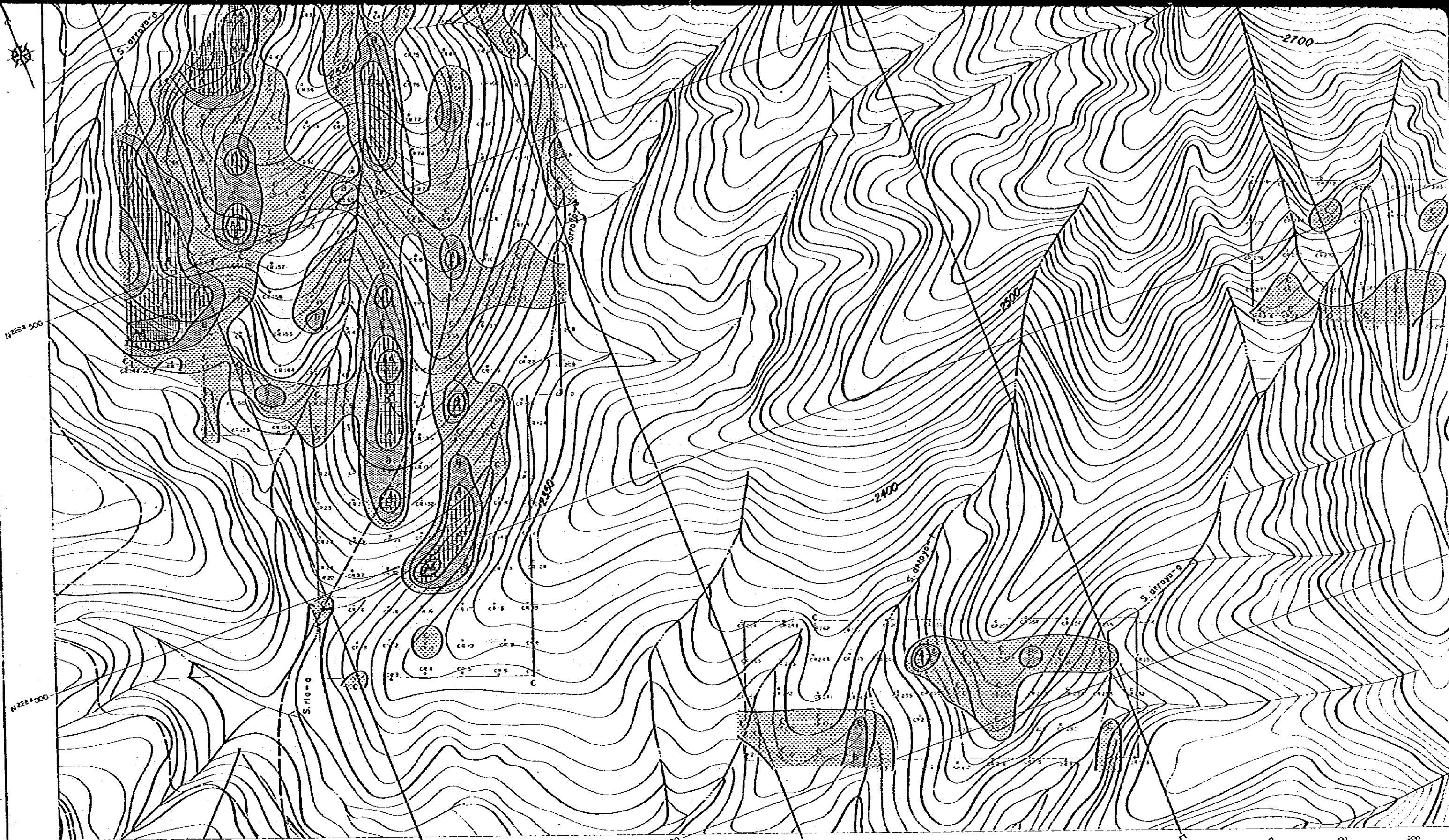
--- PHASE II detailed survey areas

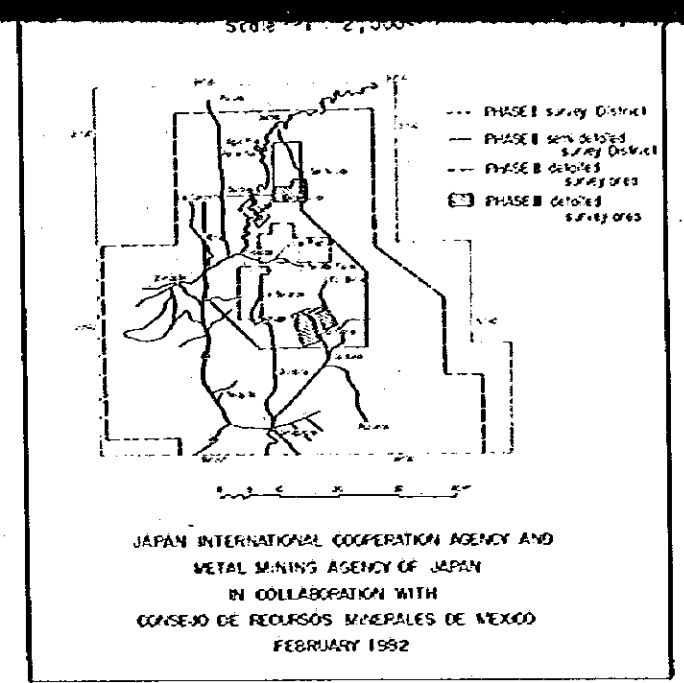
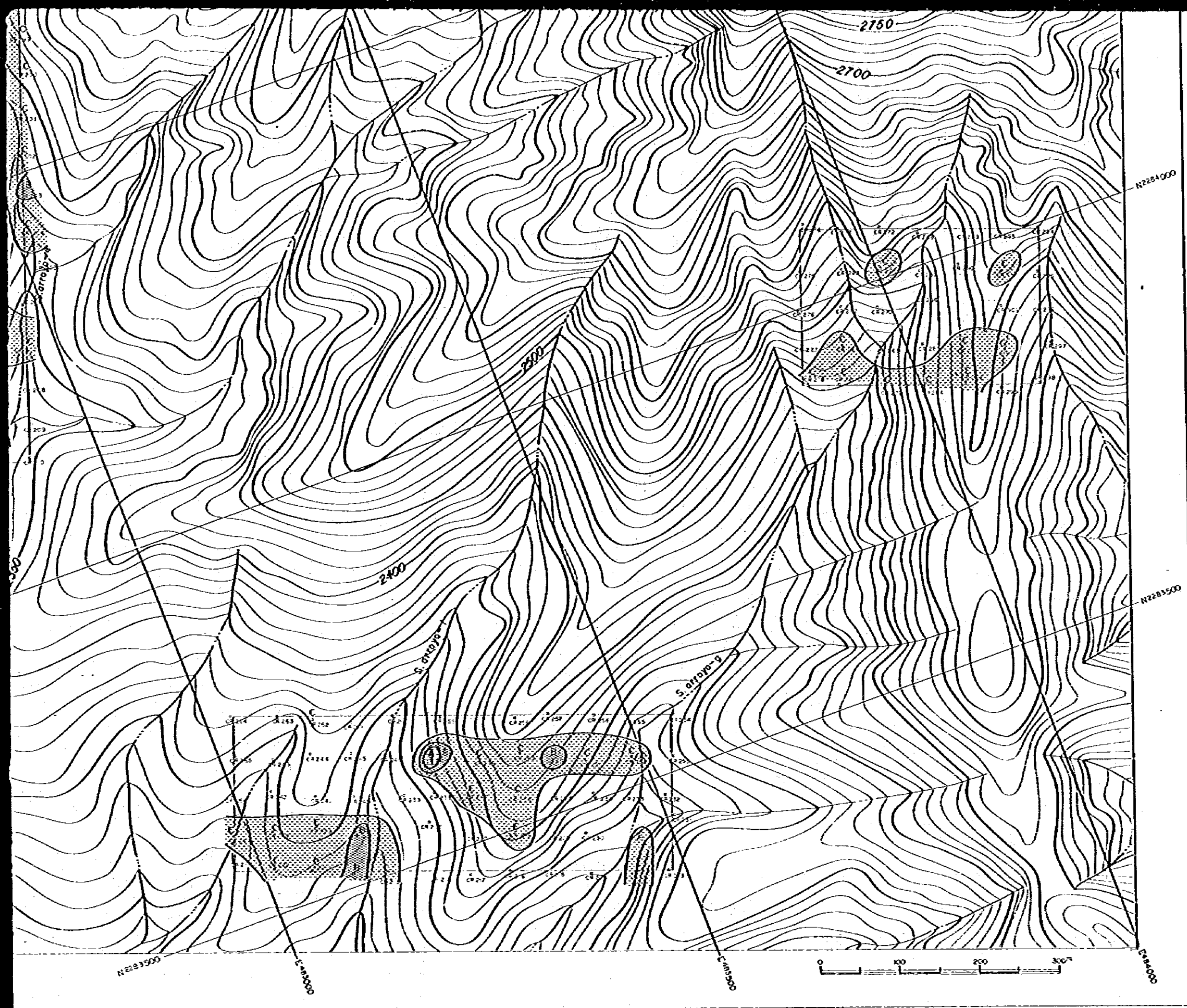
▨ PHASE II detailed survey areas

JAPAN INTERNATIONAL COOPERATION AGENCY AND  
METAL MINING AGENCY OF JAPAN  
IN COLLABORATION WITH  
CONSEJO DE RECURSOS MINERALES DE MEXICO  
FEBRUARY 1982

**LEGEND**

Symbol	Class of anomaly	$Au + 1/50 Ag$ Contents (in ppm)
	AA	AA ≥ 4.47
	A	4.47 > A ≥ 1.00
	B	1.00 > B ≥ 0.63
	C	0.63 > C ≥ 0.14





**LEGEND**

Symbol	Class of anomaly	As $\pm 1/50A_3$ Contents (in ppm)
	AA	AA $\geq 4.47$
	A	4.47 > A $\geq 1.00$
	B	1.00 > B $\geq 0.63$
	C	0.63 > C $\geq 0.19$