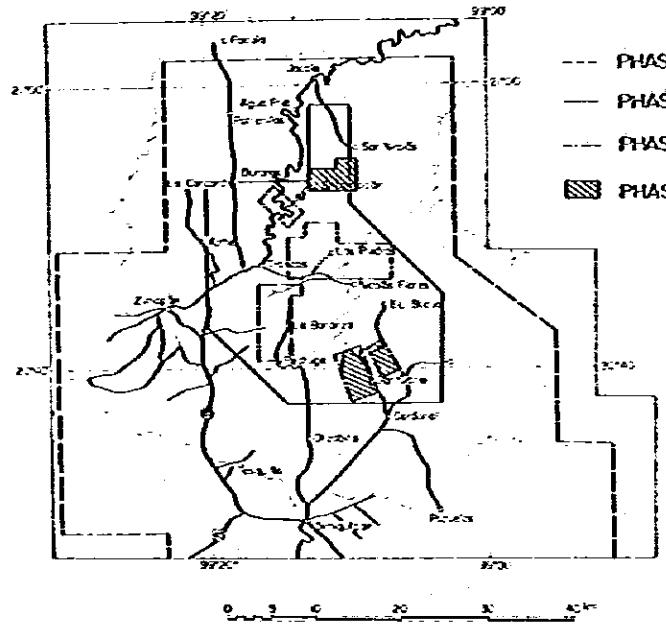


PL. 3-1

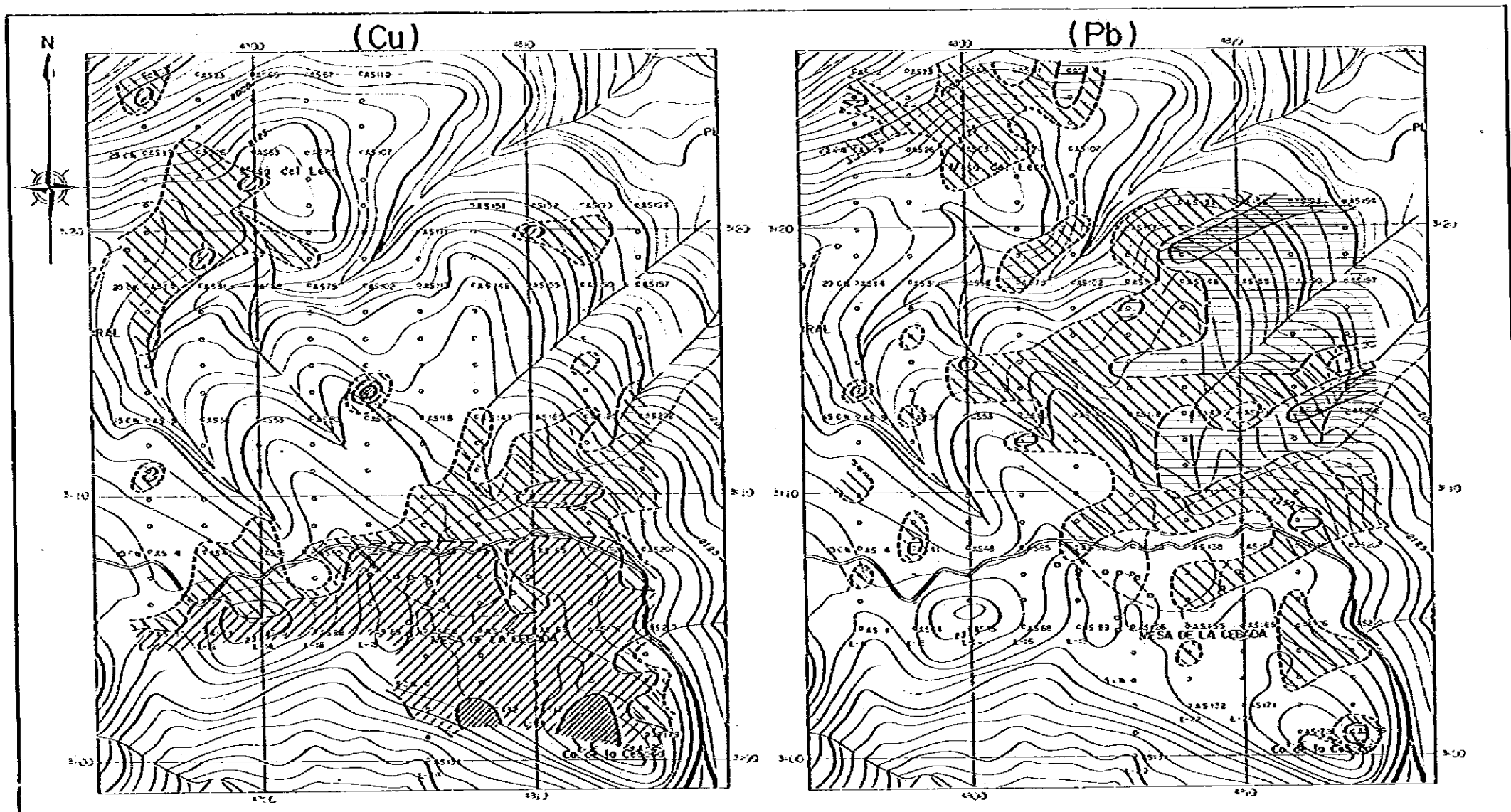
GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

LOCATION MAP OF SOIL SAMPLES
FOR GEOCHEMICAL EXPLORATION
IN THE EL TEJOCOTE AREA.

Scale 1 : 10,000



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



PL. 3-2

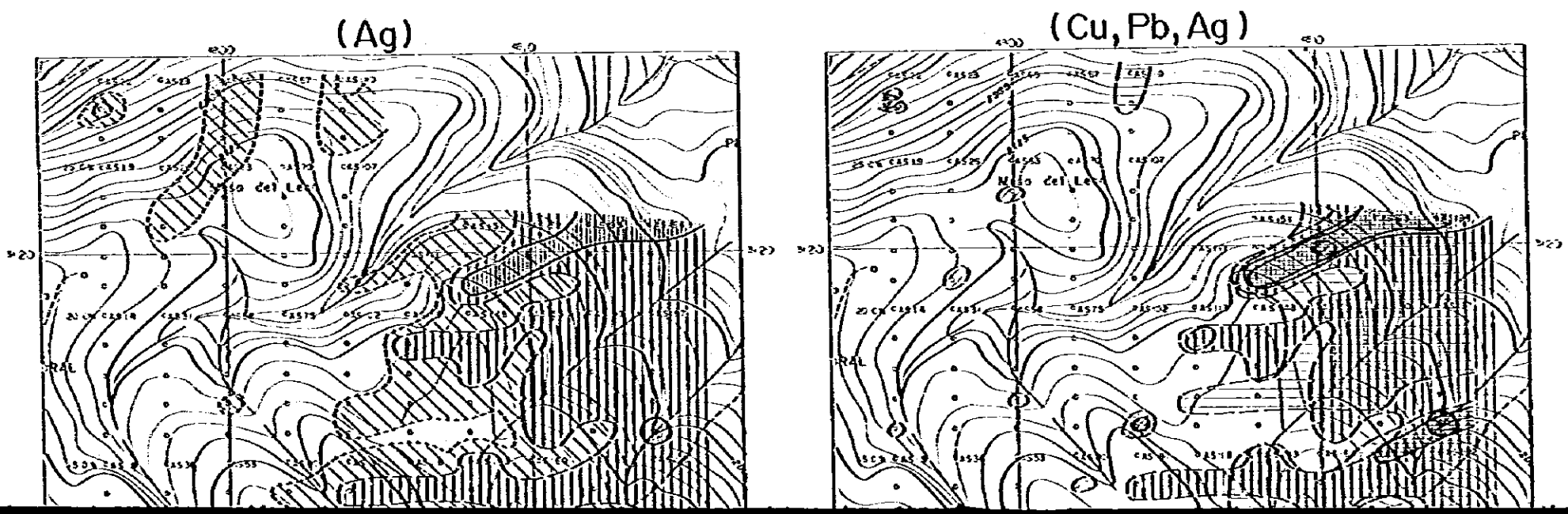
GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE III

**GEOCHEMICAL Cu, Pb AND Ag ANOMALY
MAPS OF THE EL TEJOCOTE AREA.**

Scale 1 : 10,000

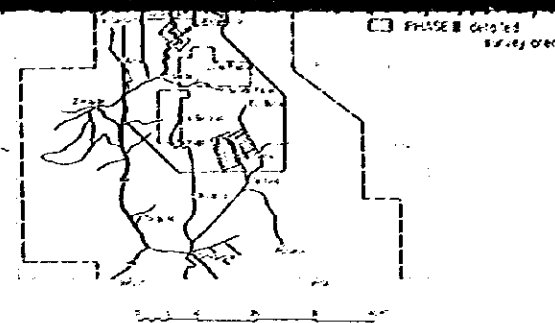
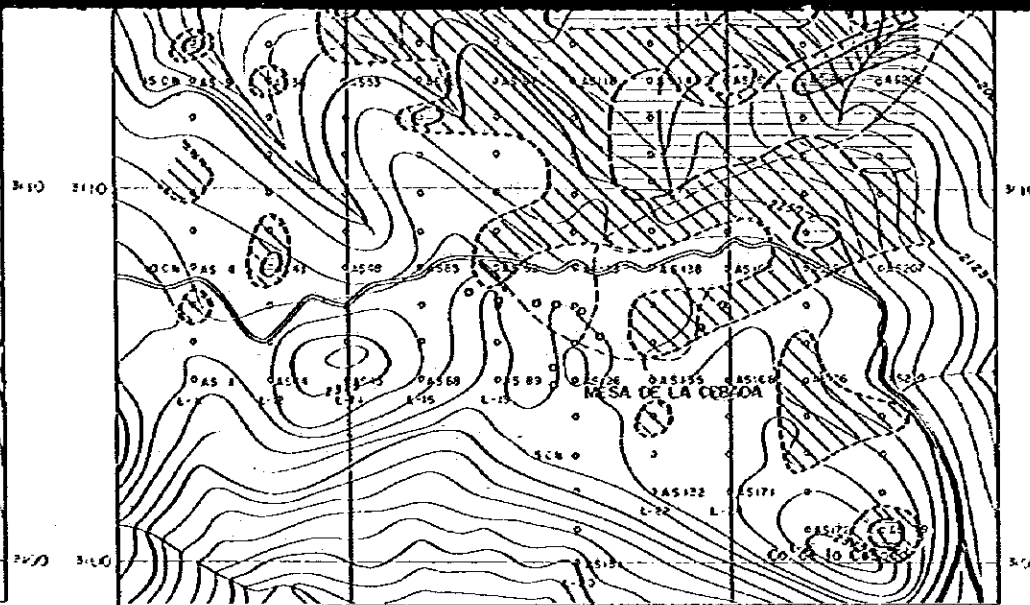
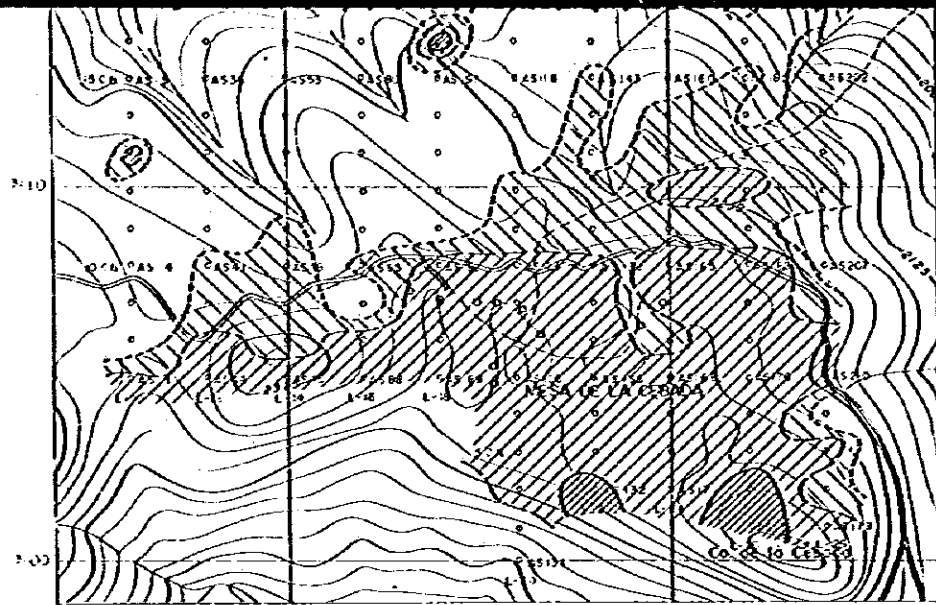
--- PHASE I survey District
 --- PHASE II survey District
 --- PHASE III survey District
 [] PHASE III survey District

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



LEGEND

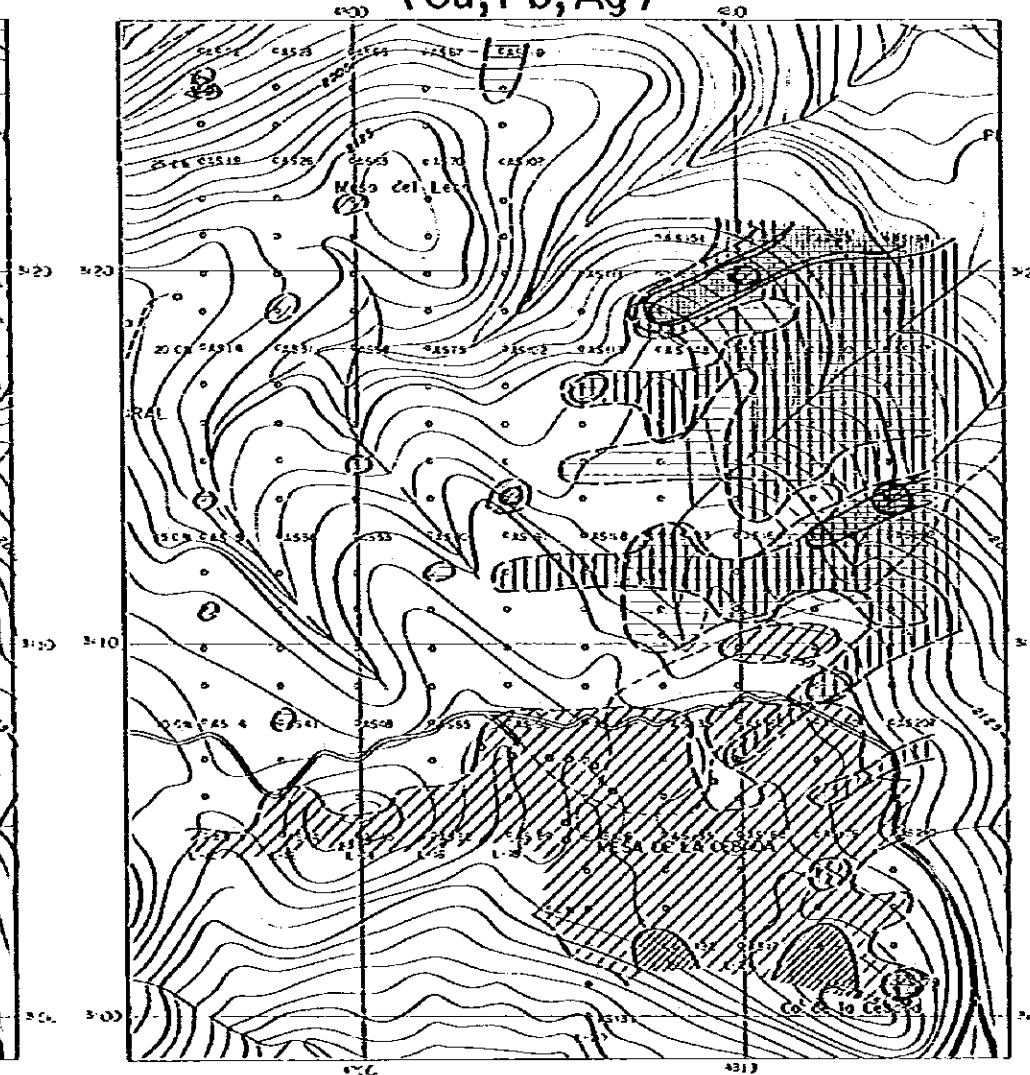
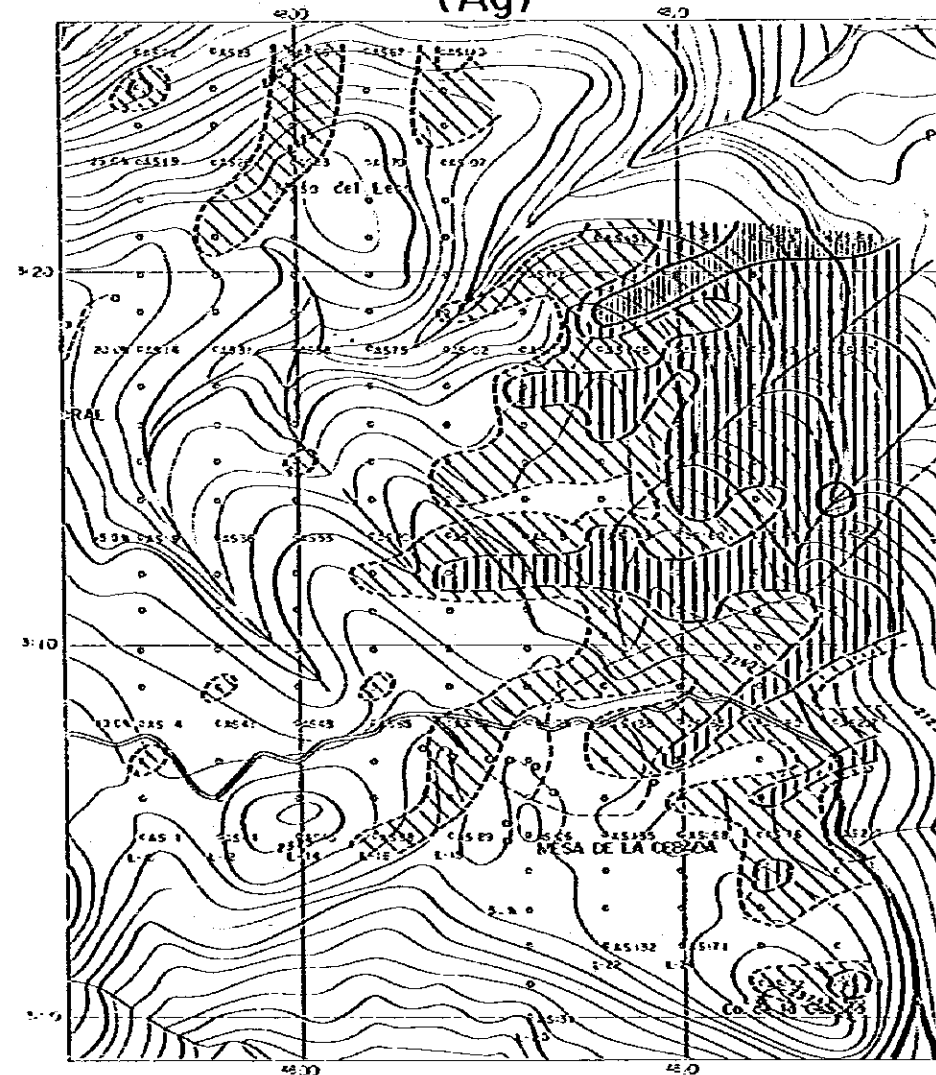
Symbol	Class of anomaly	Contents (in ppm)
Cu element		
	A	Cu ≥ 240
	B	240 > Cu ≥ 69
	C	69 > Cu ≥ 44
Pb element		
	A	Pb ≥ 1230
	B	1230 > Pb ≥ 385
	C	385 > Pb ≥ 214



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

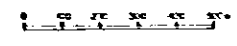
(Ag)

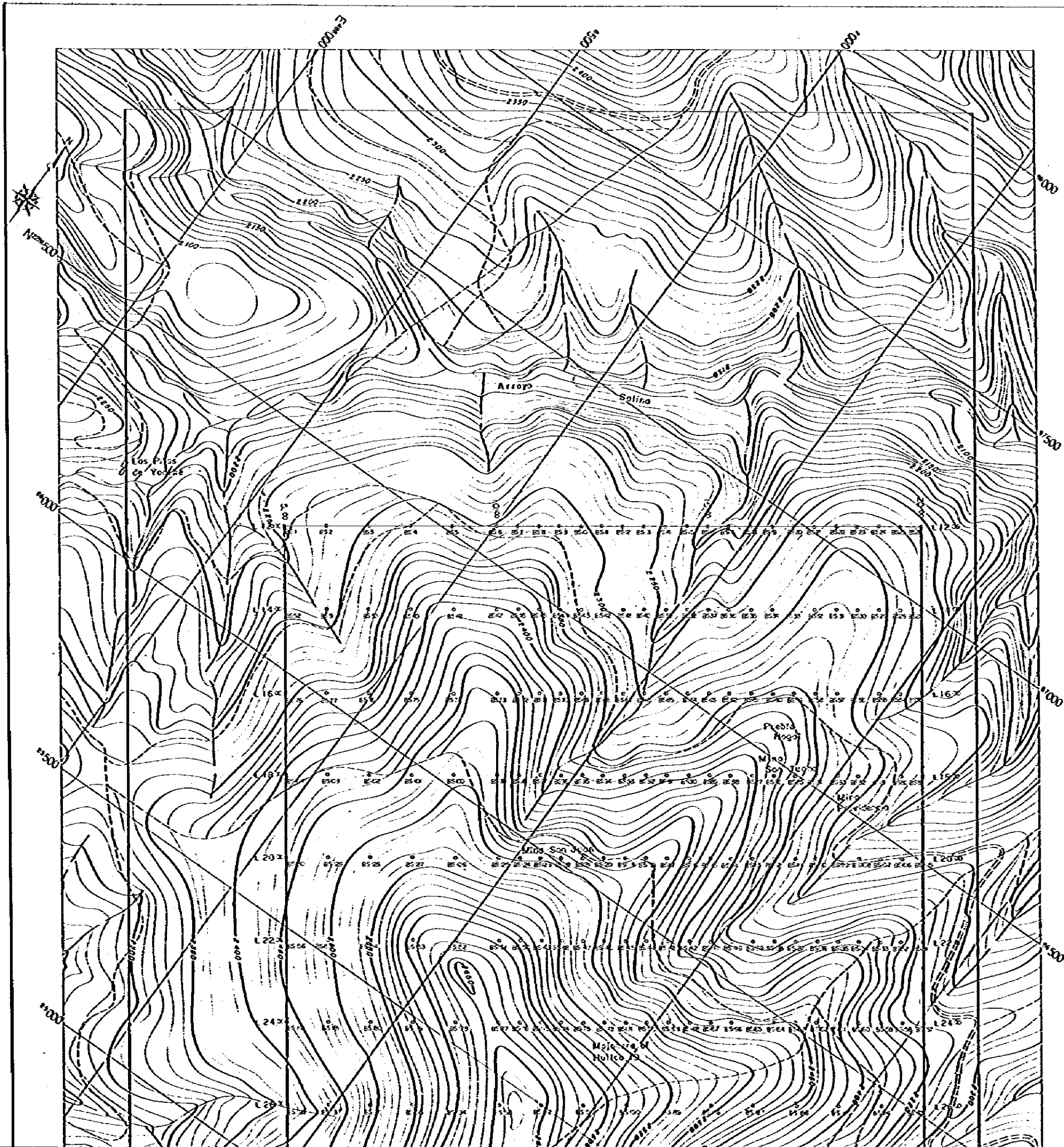
(Cu, Pb, Ag)



LEGEND

Symbol	Class of anomaly	Contents (in ppm)
Cu element		
	A	Cu ≥ 240
	B	240 > Cu ≥ 69
	C	69 > Cu ≥ 44
Pb element		
	A	Pb ≥ 1230
	B	1230 > Pb ≥ 365
	C	365 > Pb ≥ 214
Ag element		
	A	Ag ≥ 8.3
	B	8.3 > Ag ≥ 3.3
	C	3.3 > Ag ≥ 2.4



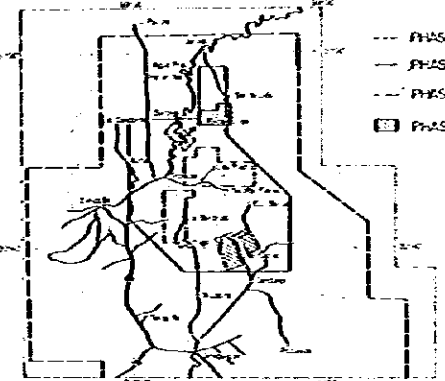


PL 3-3

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE III

**LOCATION MAP OF SOIL SAMPLES FOR
GEOCHEMICAL EXPLORATION IN THE
PROVIDENCIA AREA**

Scale 1 : 5,000



--- PHASE I survey District

--- PHASE II surveyed survey District

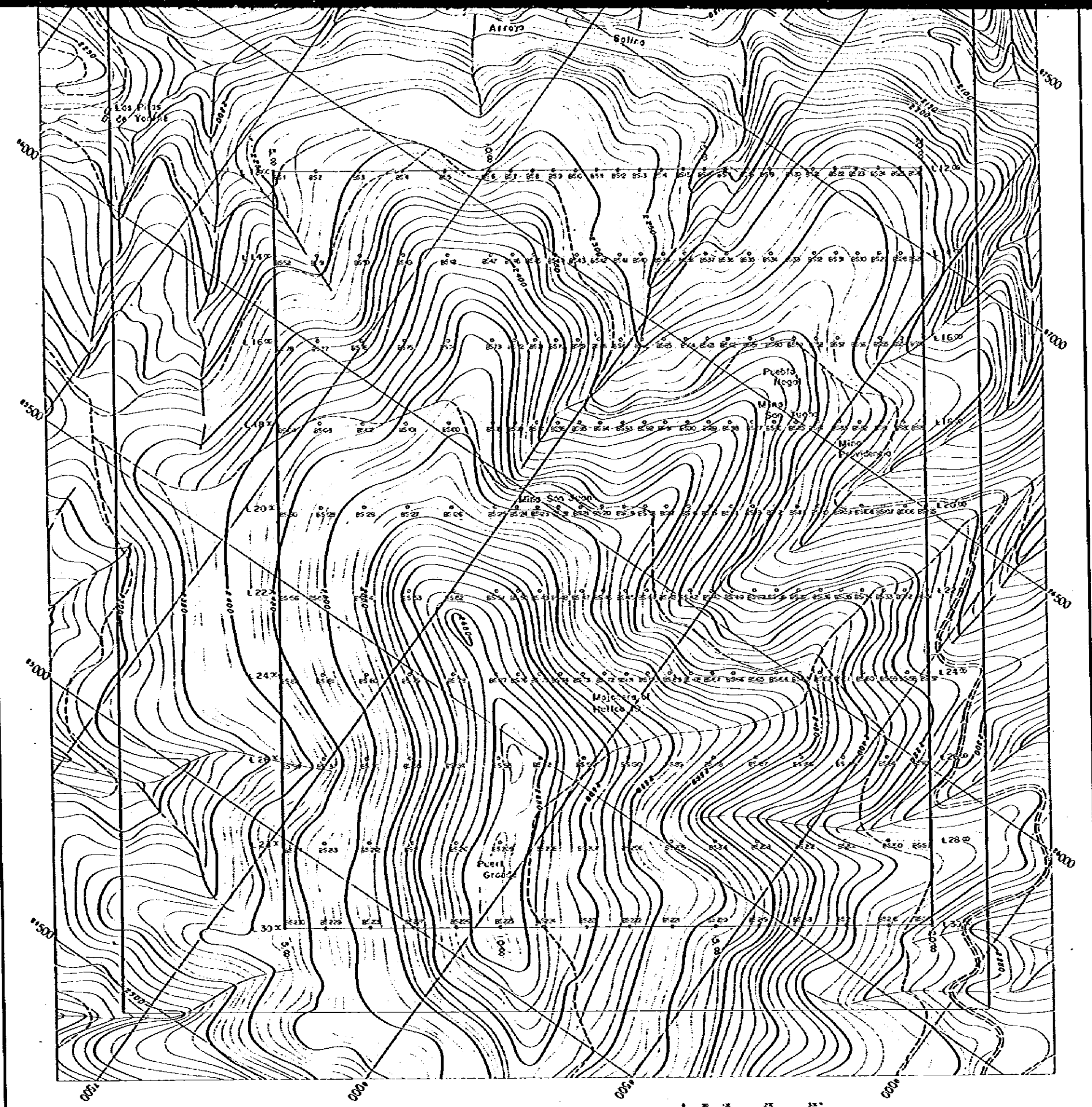
--- PHASE II detailed surveyed area

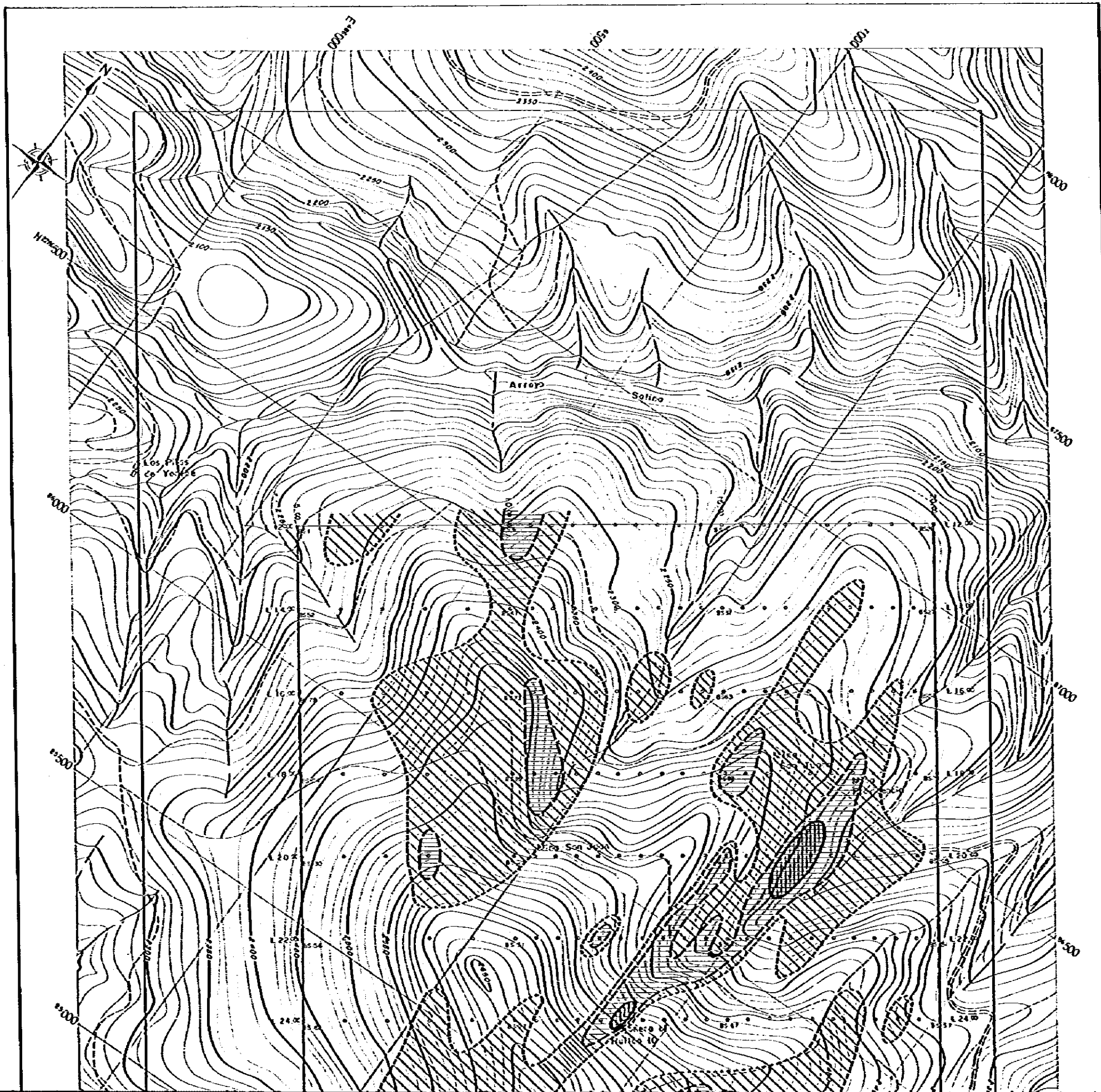
▣ PHASE II detailed surveyed area

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



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



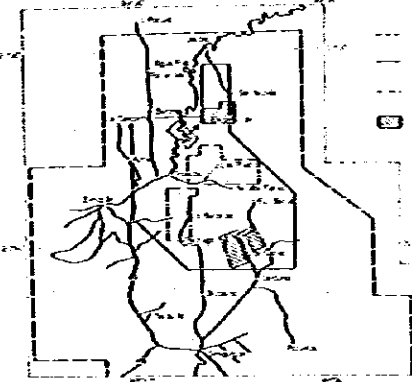


PL 3-4

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE III

GEOCHEMICAL Cu ANOMALIES
OF THE PROVIDENCIA AREA
(SOIL SAMPLE)

Scale 1 : 5,000



--- PHASE I survey District




--- PHASE II semi-detailed survey District

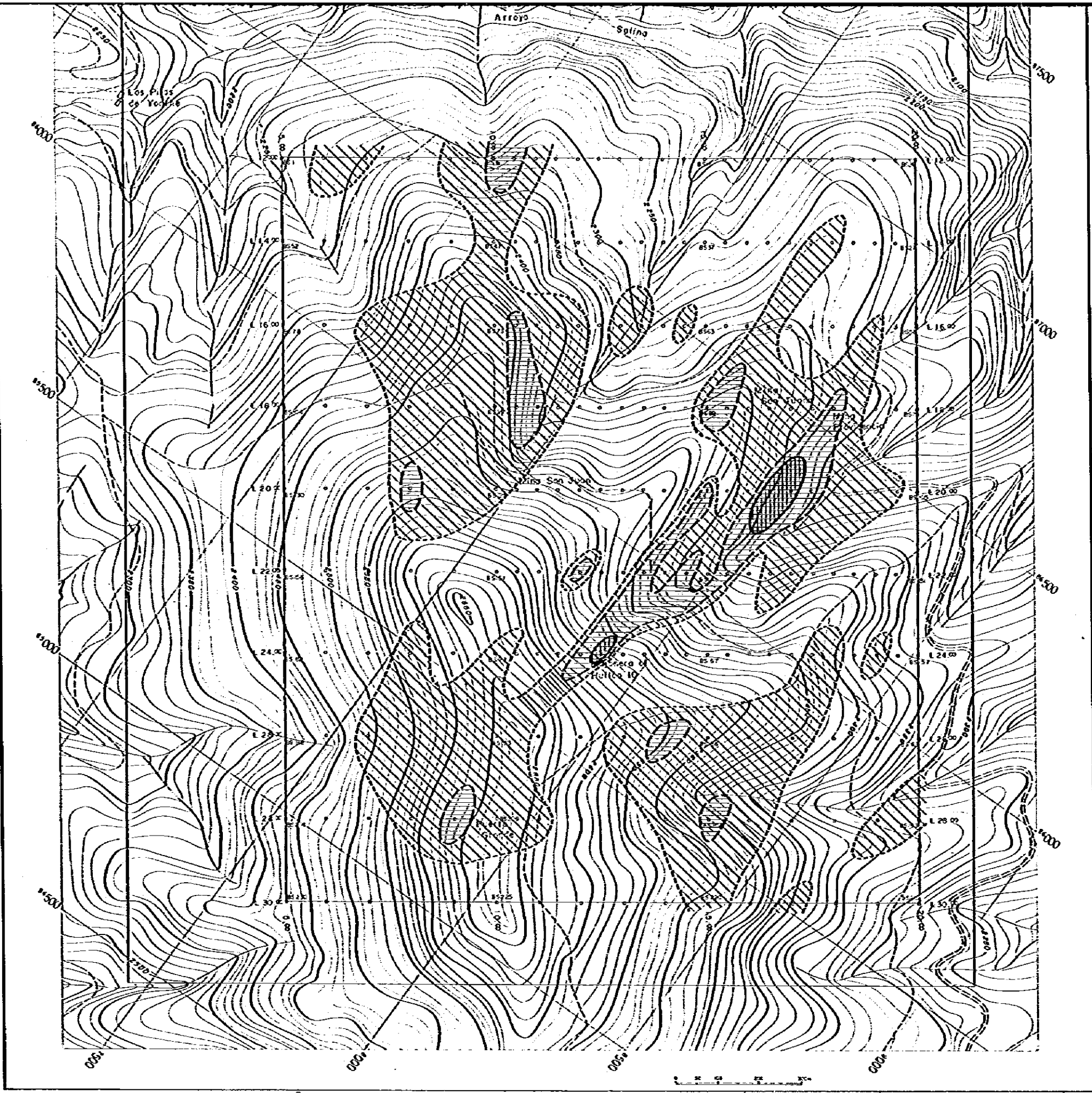
--- PHASE III detailed survey District

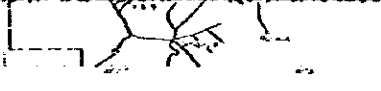
▨ PHASE III detailed survey areas

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




LEGEND

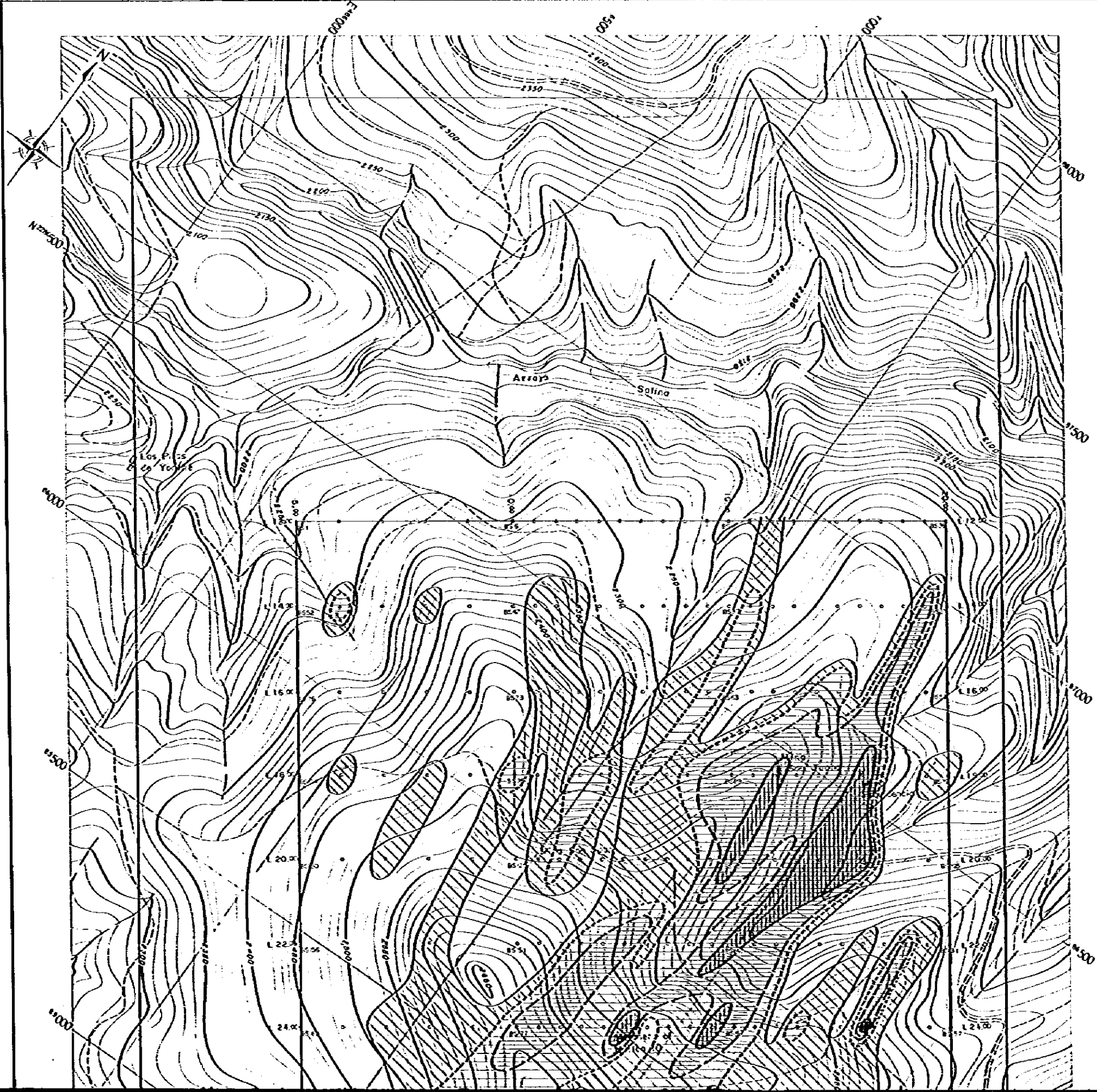
Symbol	Class of Cu anomaly	Contents (in ppm)
	A	Cu ≥ 141
	B	141 > Cu ≥ 83
	C	83 > Cu ≥ 50




 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 Cu anomaly	Contents (in ppm)
	A	$Cu \geq 141$
	B	$141 > Cu \geq 83$
	C	$83 > Cu \geq 50$

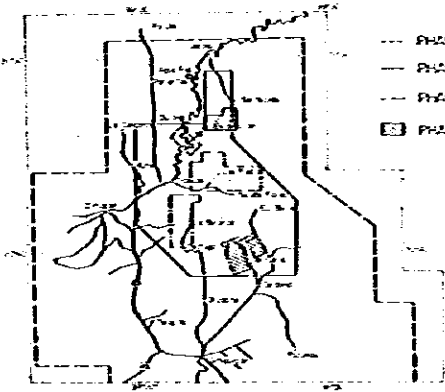


PL 3-5

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

**GEOCHEMICAL Pb ANOMALIES
OF THE PROVIDENCIA AREA
(SOIL SAMPLE)**

Scale 1 : 5,000



--- PHASE I survey District

--- PHASE II undisturbed survey District

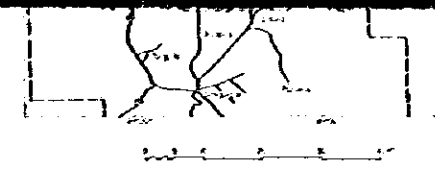
--- PHASE II disturbed survey areas

▨ 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

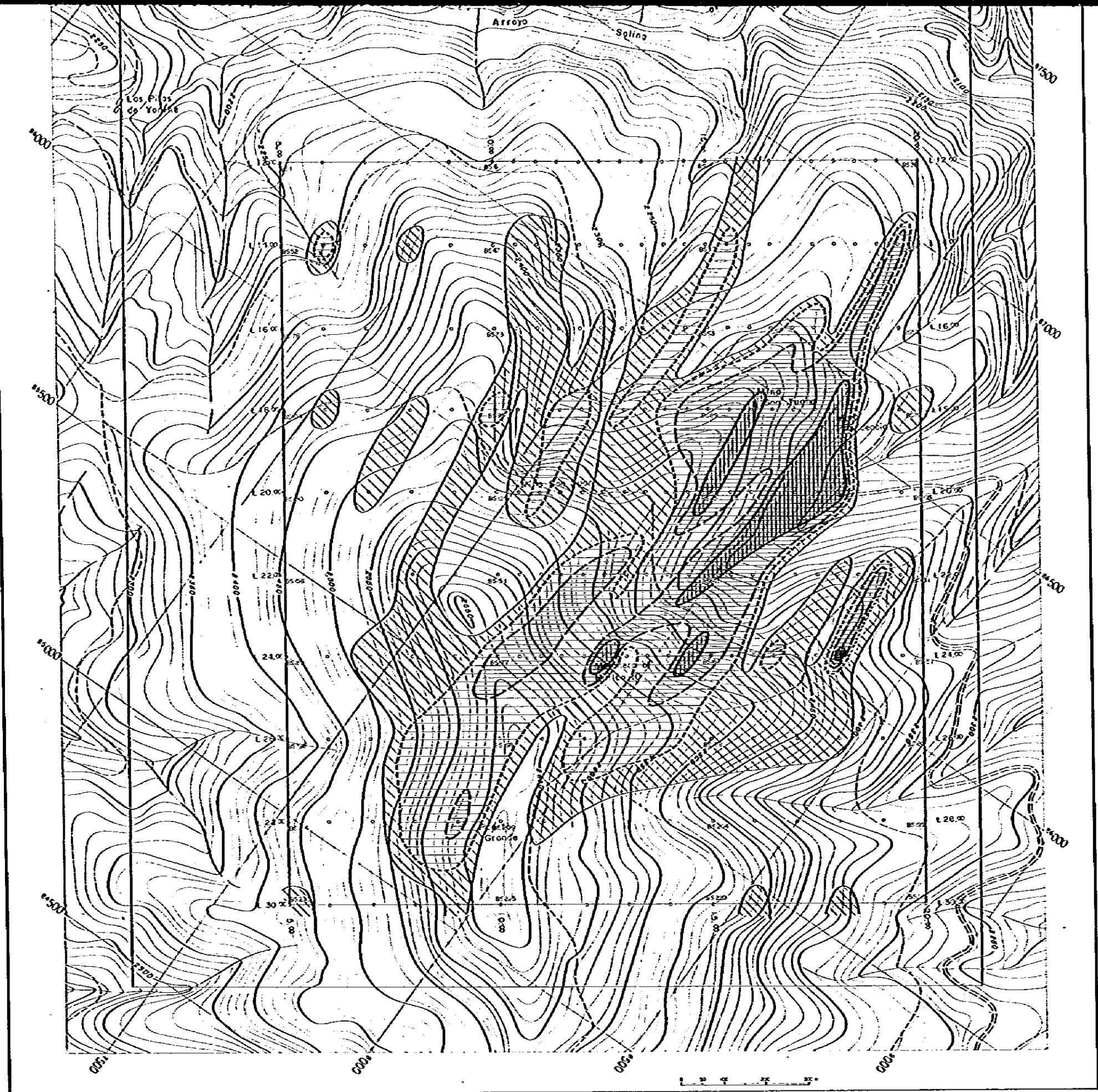
Symbol	Class of Pb anomaly	Contents (in ppm)
	AA	Pb ≥ 2570
	A	2570 > Pb ≥ 923
	B	923 > Pb ≥ 457
	C	457 > Pb ≥ 302



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 Pb anomaly	Contents (in ppm)
	AA	Pb ≥ 2570
	A	2570 > Pb ≥ 923
	B	923 > Pb ≥ 457
	C	457 > Pb ≥ 302





PL 3-6

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE III

**GEOCHEMICAL Ag ANOMALIES
OF THE PROVIDENCIA AREA
(SOIL SAMPLE)**

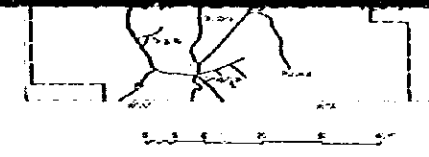
Scale 1 : 5,000

- PHASE I Survey District
- - - PHASE II Survey District
- PHASE III Survey District
- PHASE III Survey District

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

LEGEND

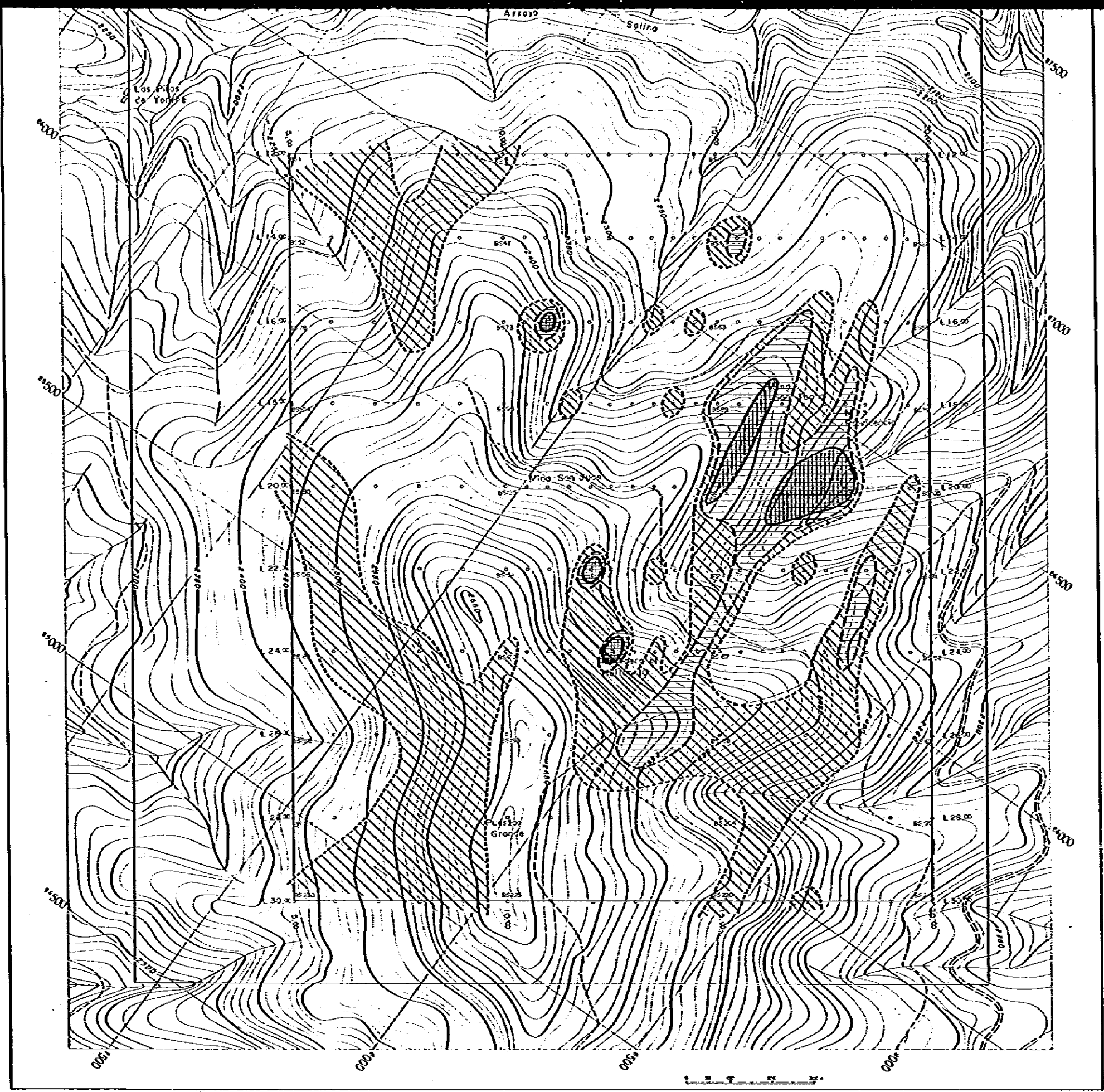
Symbol	Class of Ag anomaly	Contents (in ppm)
	A	$A_g \geq 6.6$
	B	$6.6 > A_g \geq 3.2$
	C	$3.2 > A_g \geq 2.0$

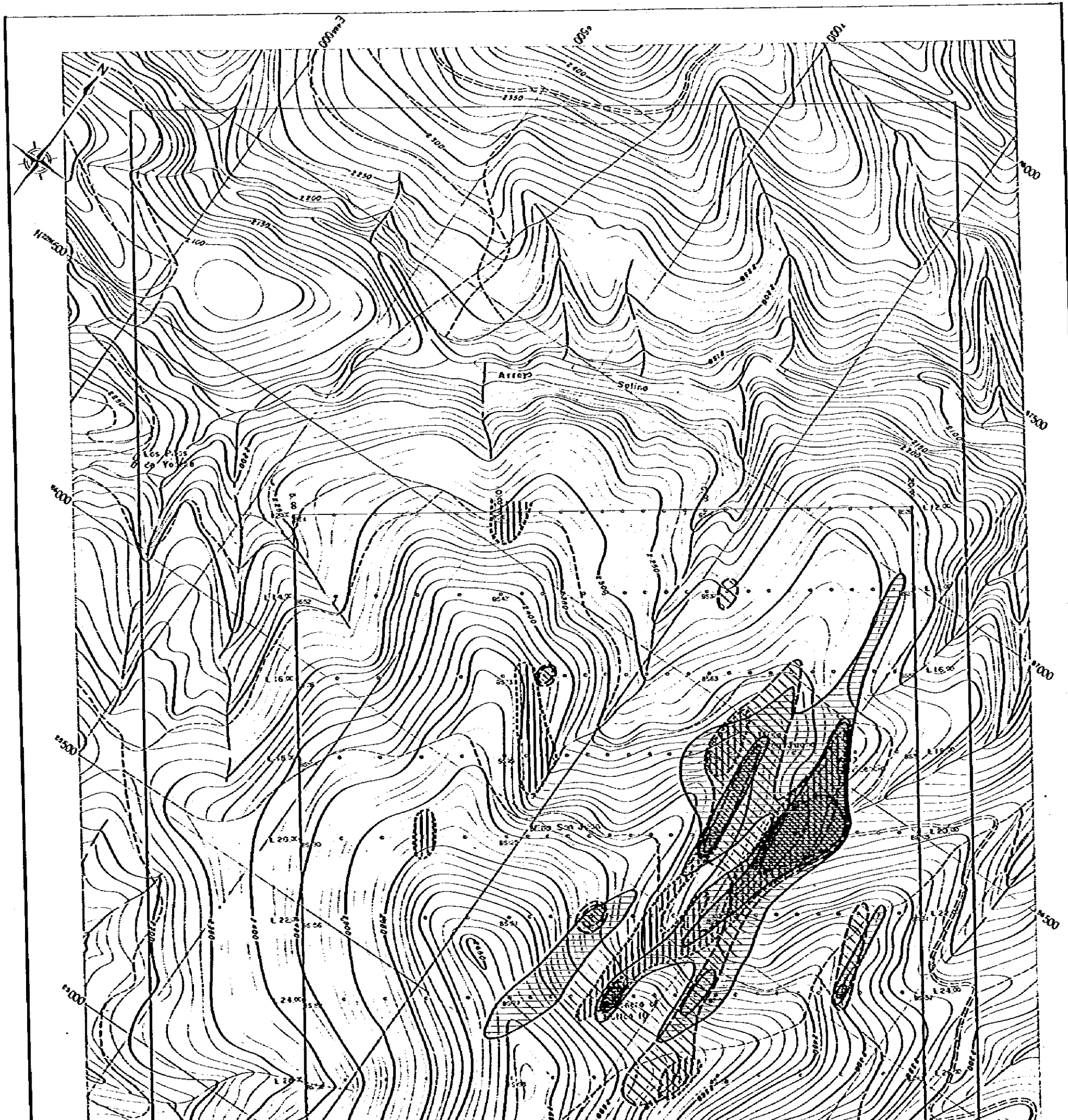


JAPAN INTERNATIONAL COOPERATION AGENCY AND
 METAL MINING AGENCY OF JAPAN
 IN COLLABORATION WITH
 CONSEJO DE RECURSOS MINERALES DE MEXICO
 FEBRUARY 1982

LEGEND

Symbol	Class of Ag anomaly	Contents (in ppm)
	A	$Ag \geq 6.6$
	B	$6.6 > Ag \geq 3.2$
	C	$3.2 > Ag \geq 2.0$

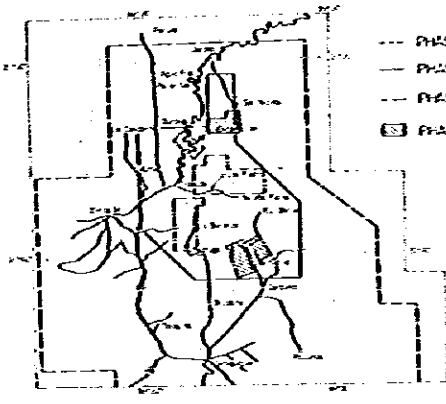




PL 3-7

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE III
GEOCHEMICAL Cu, Pb AND Ag
ANOMALIES OF THE PROVIDENCIA
AREA (SOIL SAMPLE)

Scale 1 : 5,000



--- PHASE I survey District

--- PHASE II subdivided survey District

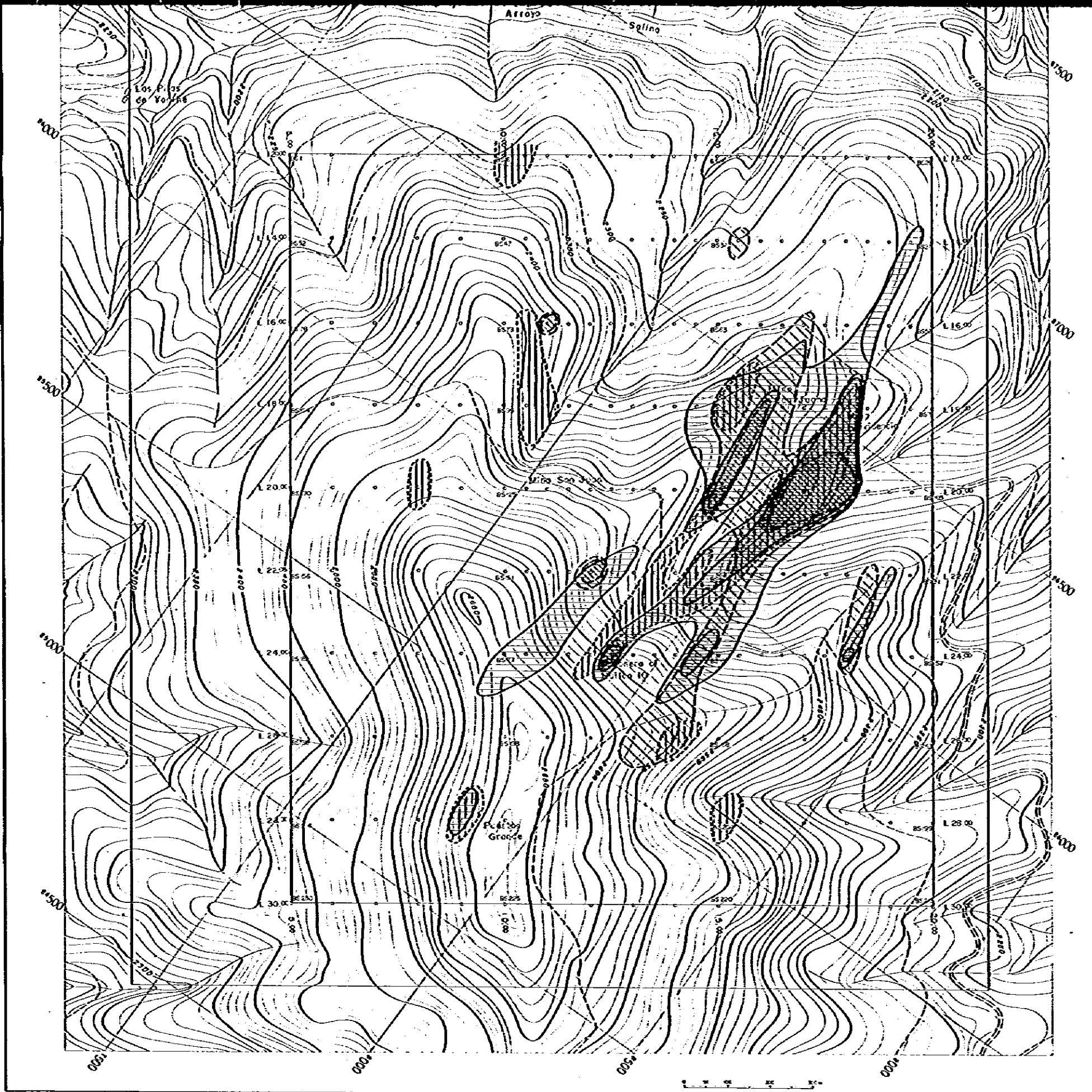
--- PHASE II detailed survey area

▨ PHASE II detailed survey area

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

LEGEND

Symbol	Class of anomaly	Contents (in ppm)
Cu element		
	A	Cu \geq 141
	B	141 > Cu \geq 83
Pb element		
	AA	Pb \geq 2570
	A	2570 > Pb \geq 923
Ag element		
	A	Ag \geq 6.6
	B	6.6 > Ag \geq 3.2

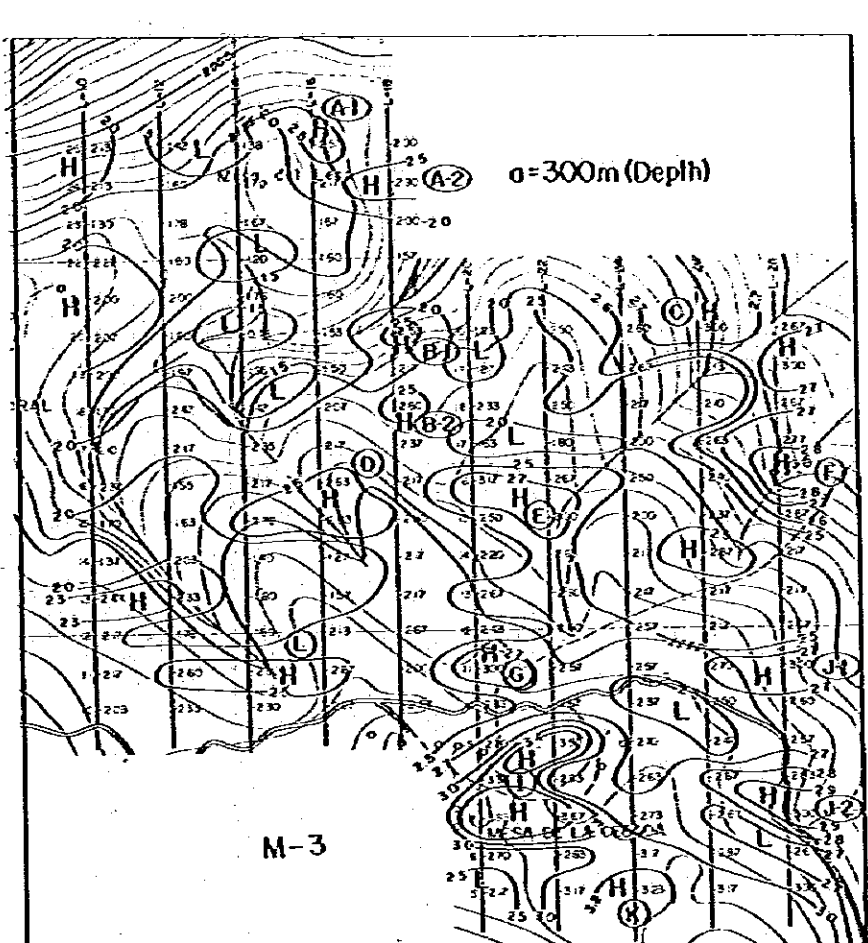
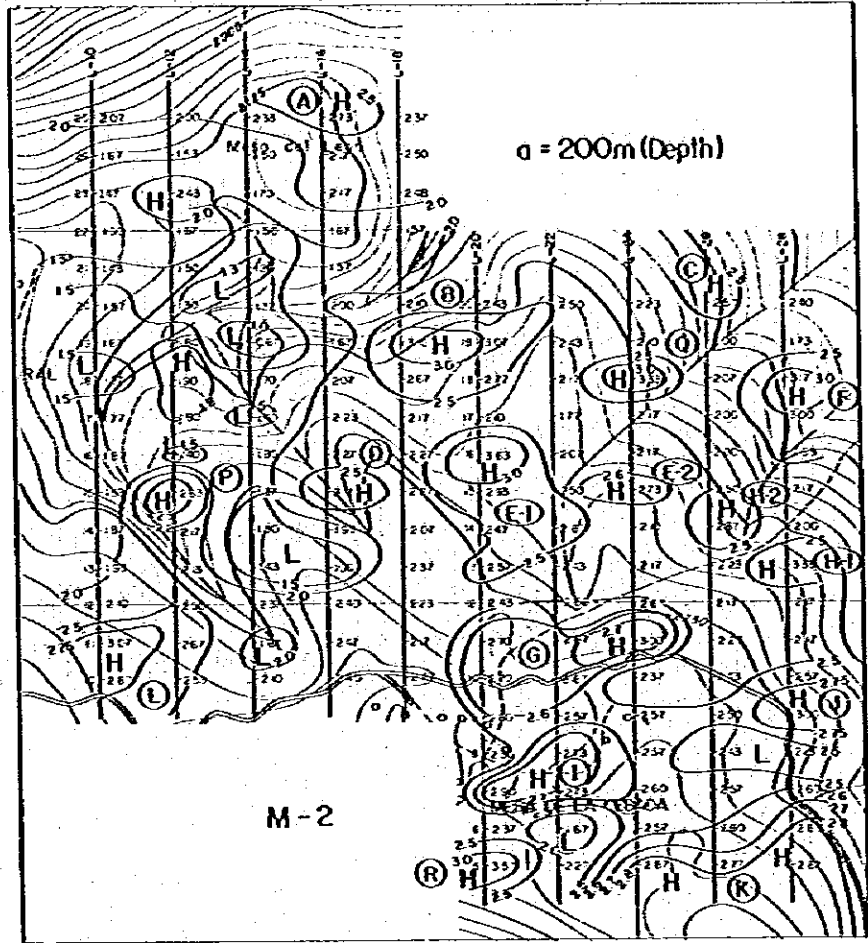
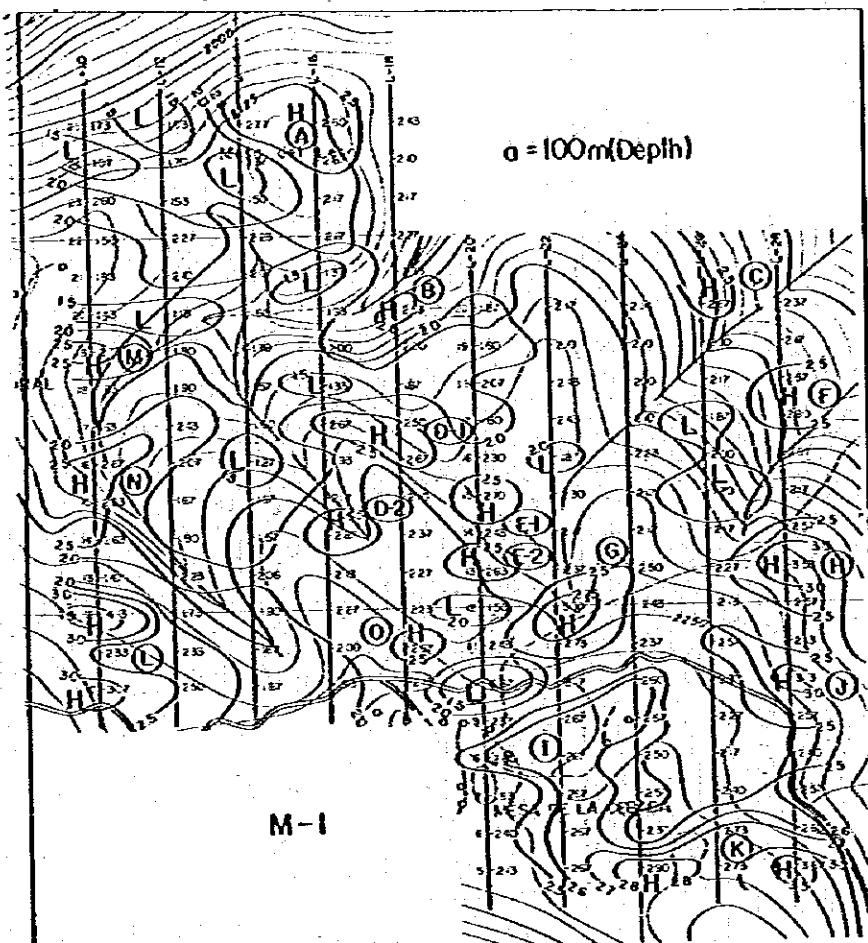


JAPAN INTERNATIONAL COOPERATION AGENCY AND
 METAL MINING AGENCY OF JAPAN
 IN COLLABORATION WITH
 CONSEJO DE RECURSOS MINERALES DE MEXICO
 FEBRUARY 1982

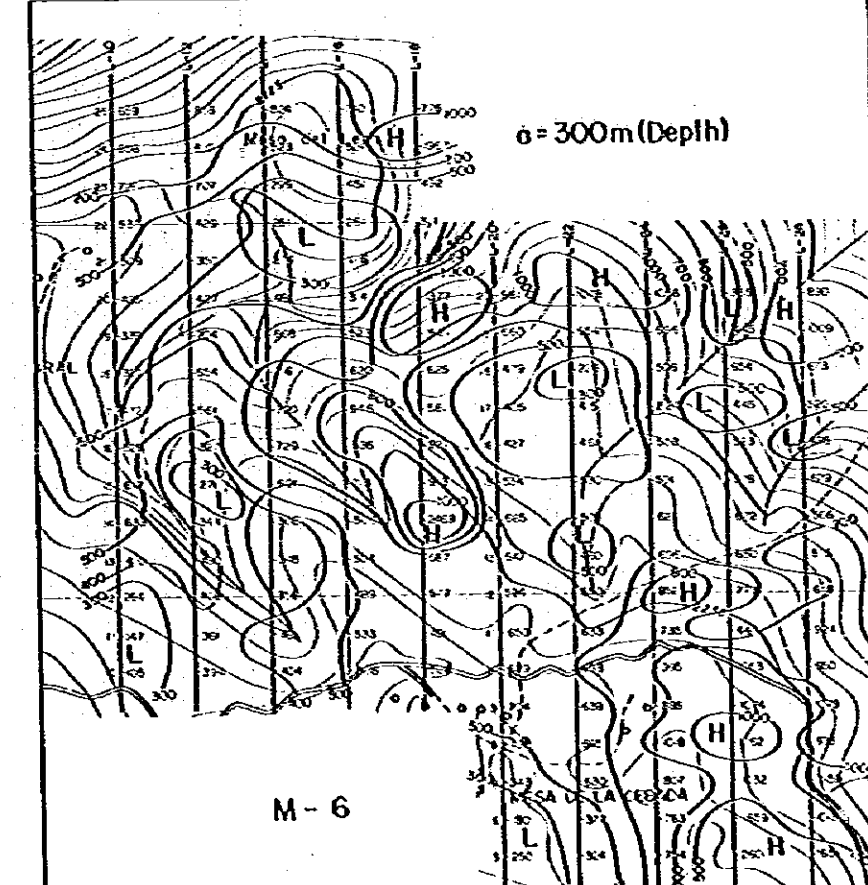
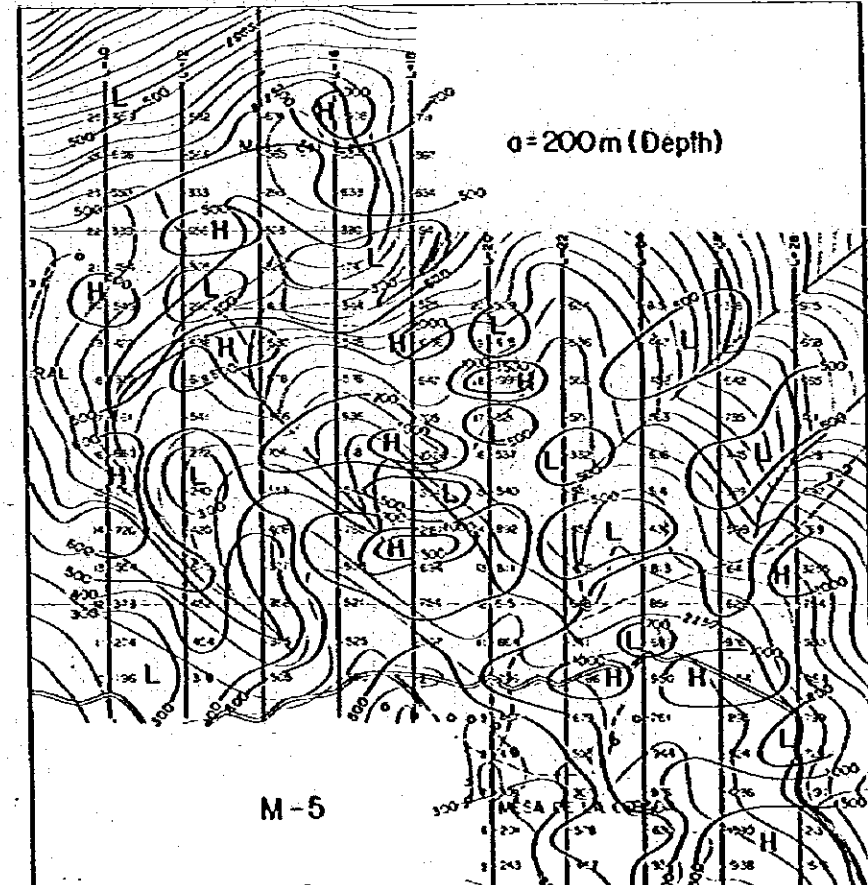
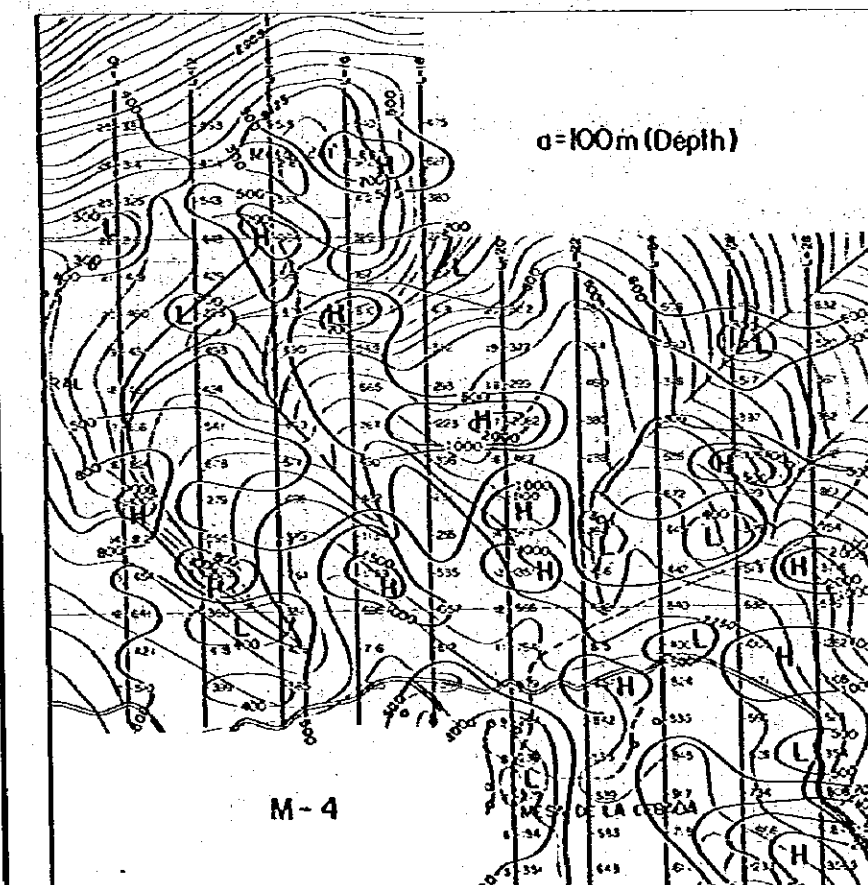
LEGEND

Symbol	Class of anomaly	Contents (in ppm)
Cu element		
	A	Cu \geq 141
	B	141 > Cu \geq 83
Pb element		
	AA	Pb \geq 2570
	A	2570 > Pb \geq 923
Ag element		
	A	Ag \geq 6.6
	B	6.6 > Ag \geq 3.2

CHARGEABILITY (IP, milli-sec)



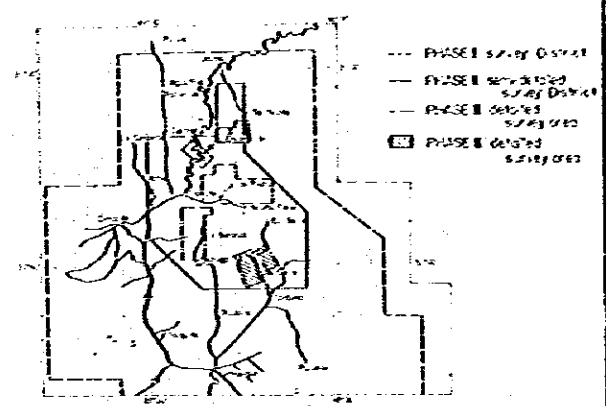
APPARENT RESISTIVITY ($\rho_a, \Omega\text{-m}$)



GEOLOGICAL SURVEY OF THE PACHUCA - ZIMAPAN AREA PHASE III

MAPS OF IP SURVEY EL EJOCOTE AREA

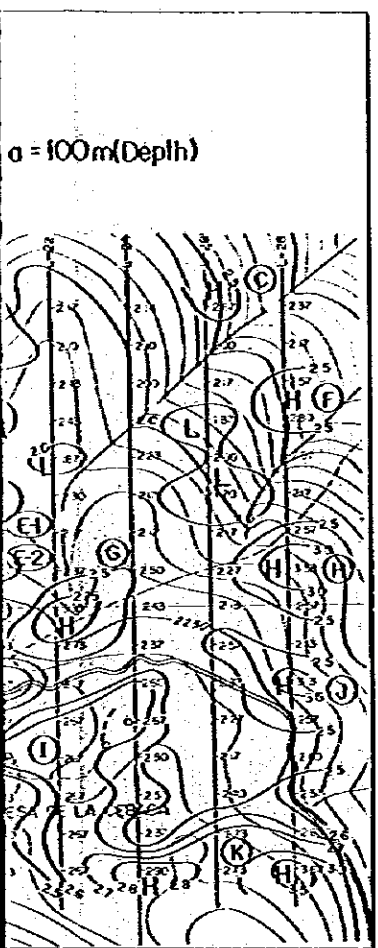
Scale 1 : 10,000



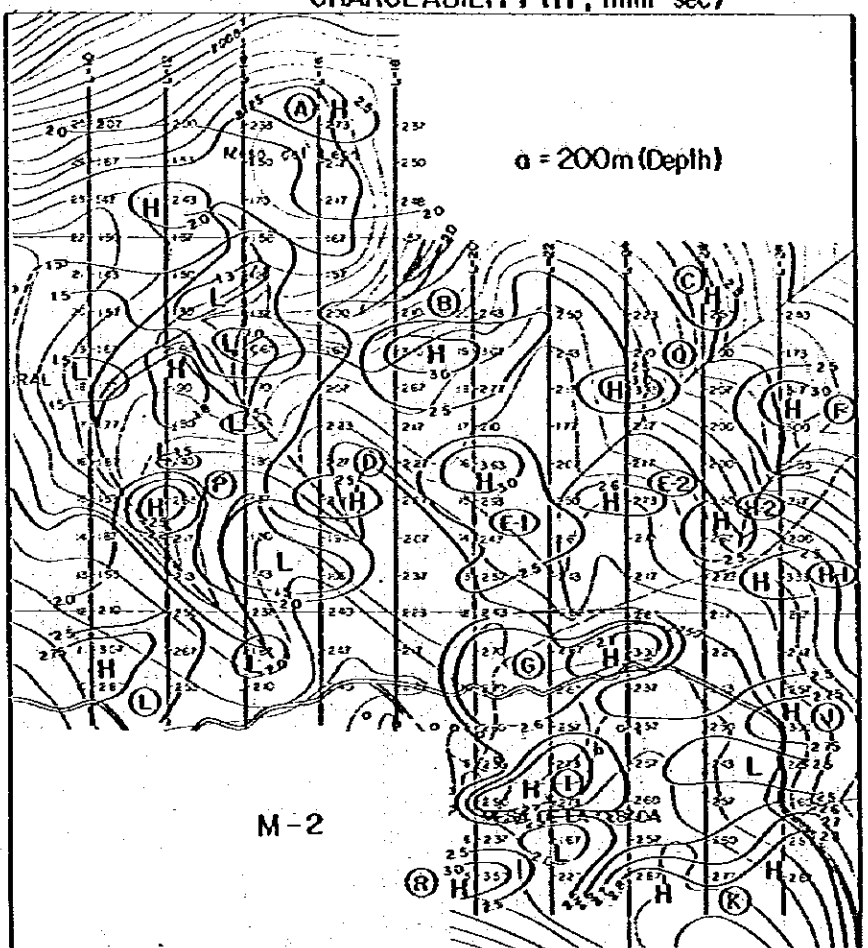
JAPAN INTERNATIONAL COOPERATION AGENCY AND METAL MINING AGENCY OF JAPAN IN COLLABORATION WITH CONSEJO DE RECURSOS MINERALES DE MEXICO FEBRUARY 1982

CHARGEABILITY (IP, milli-sec)

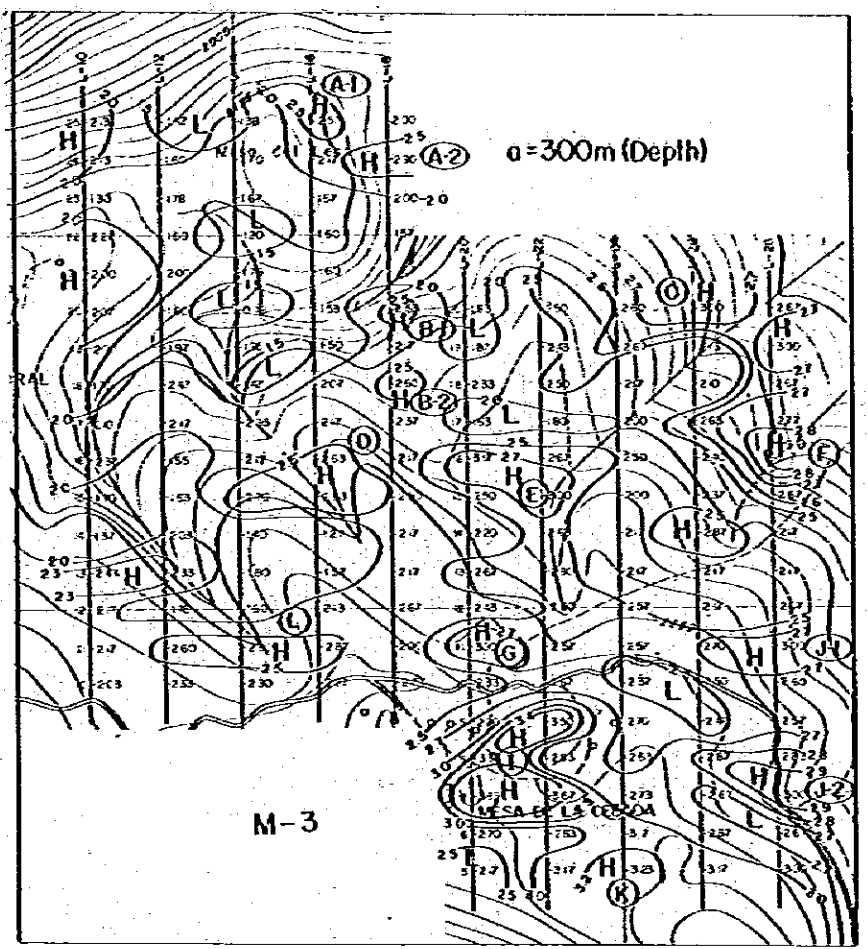
a = 100m (Depth)



a = 200m (Depth)

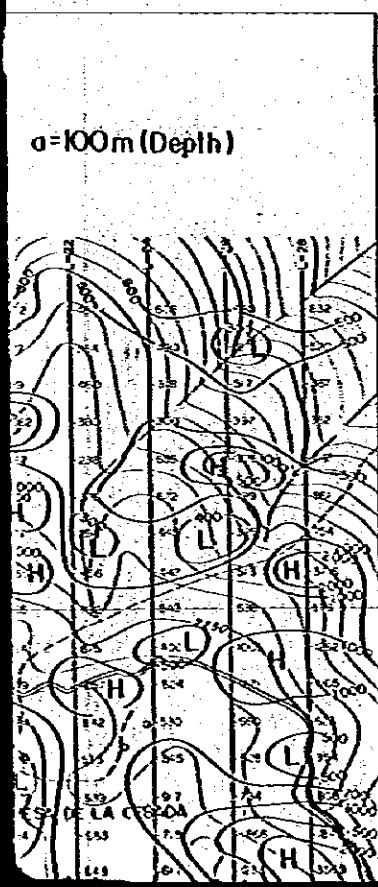


a = 300m (Depth)

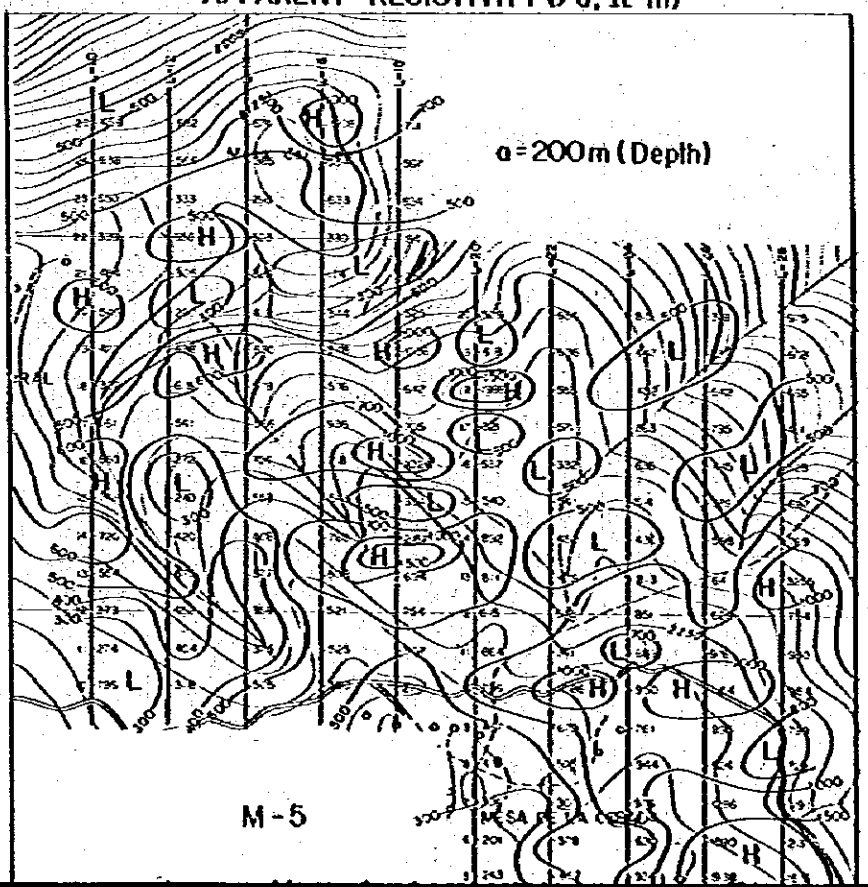


APPARENT RESISTIVITY ($\rho_a, \Omega\text{-m}$)

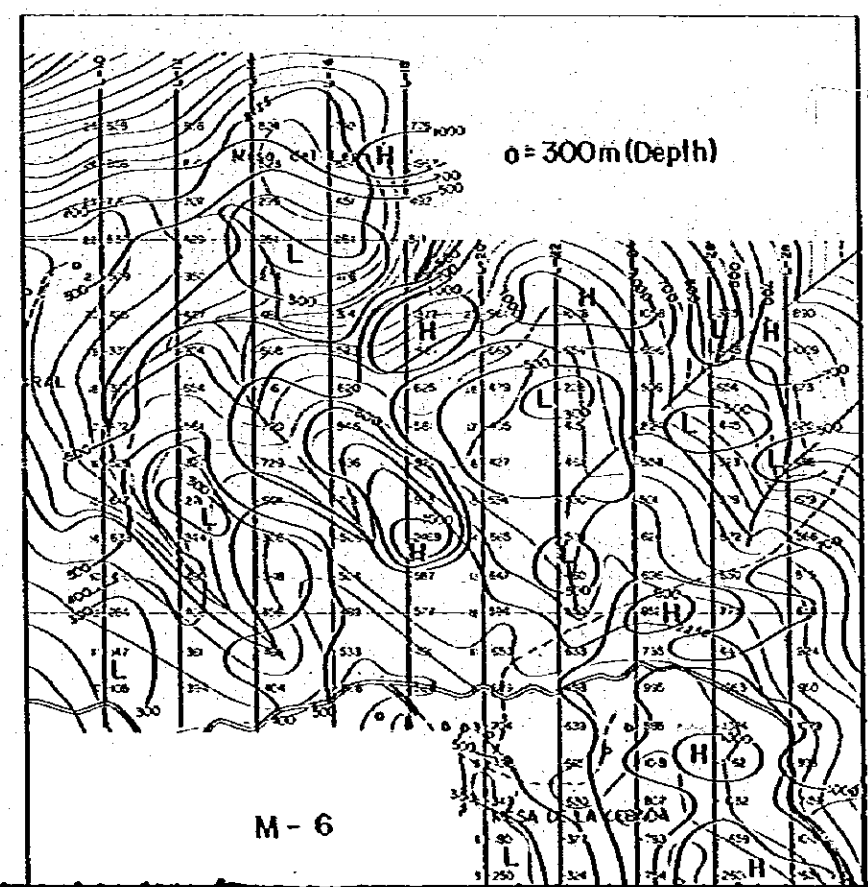
a = 100m (Depth)



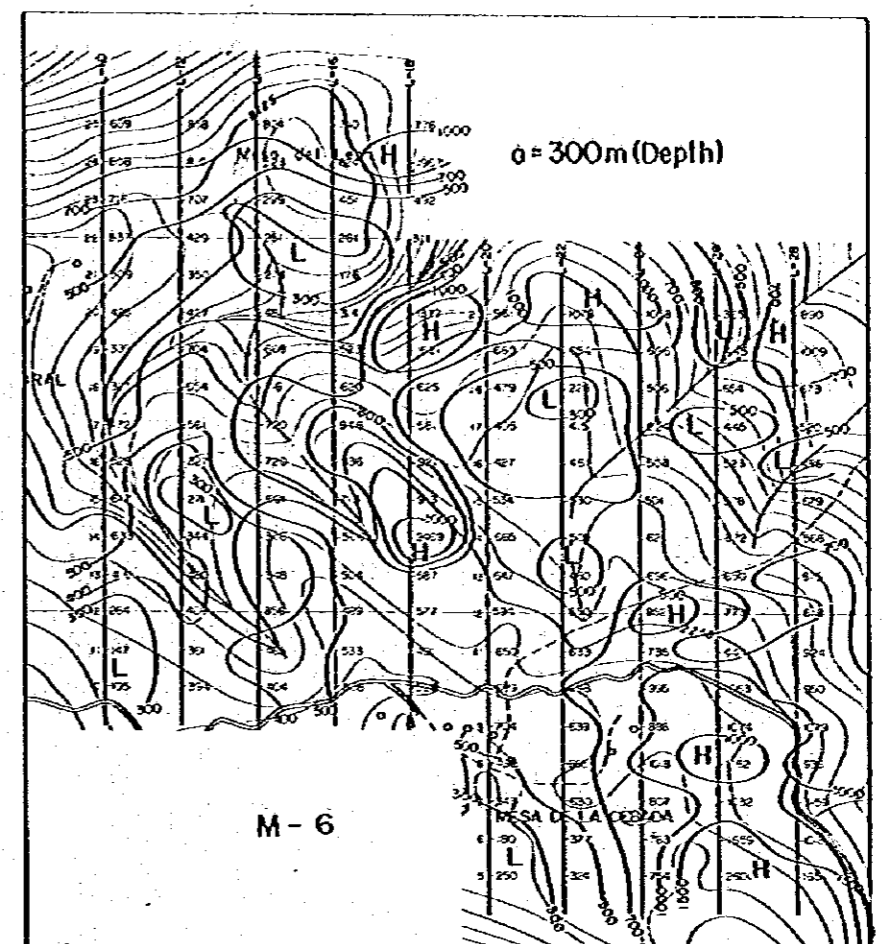
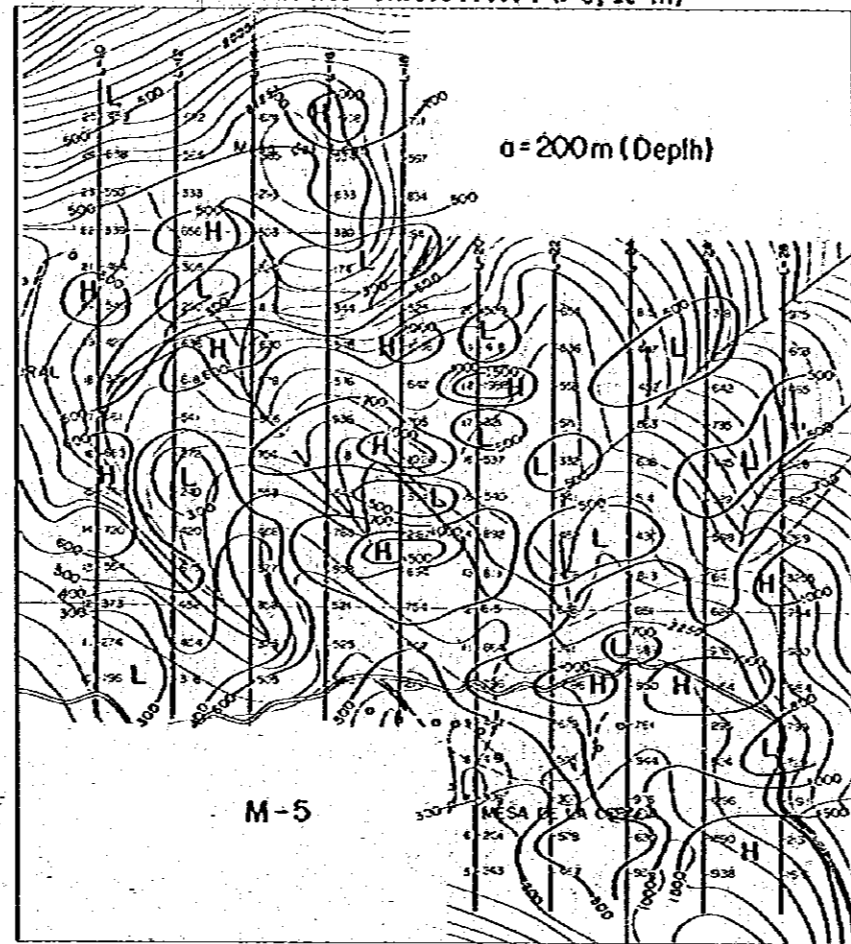
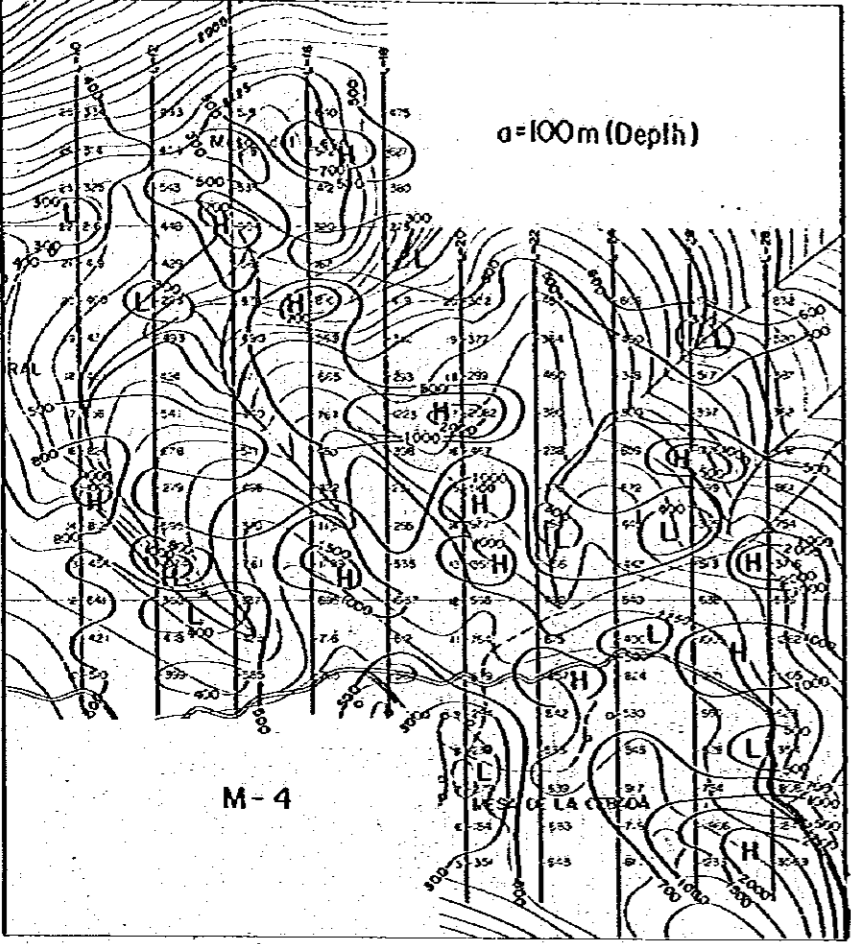
a = 200m (Depth)



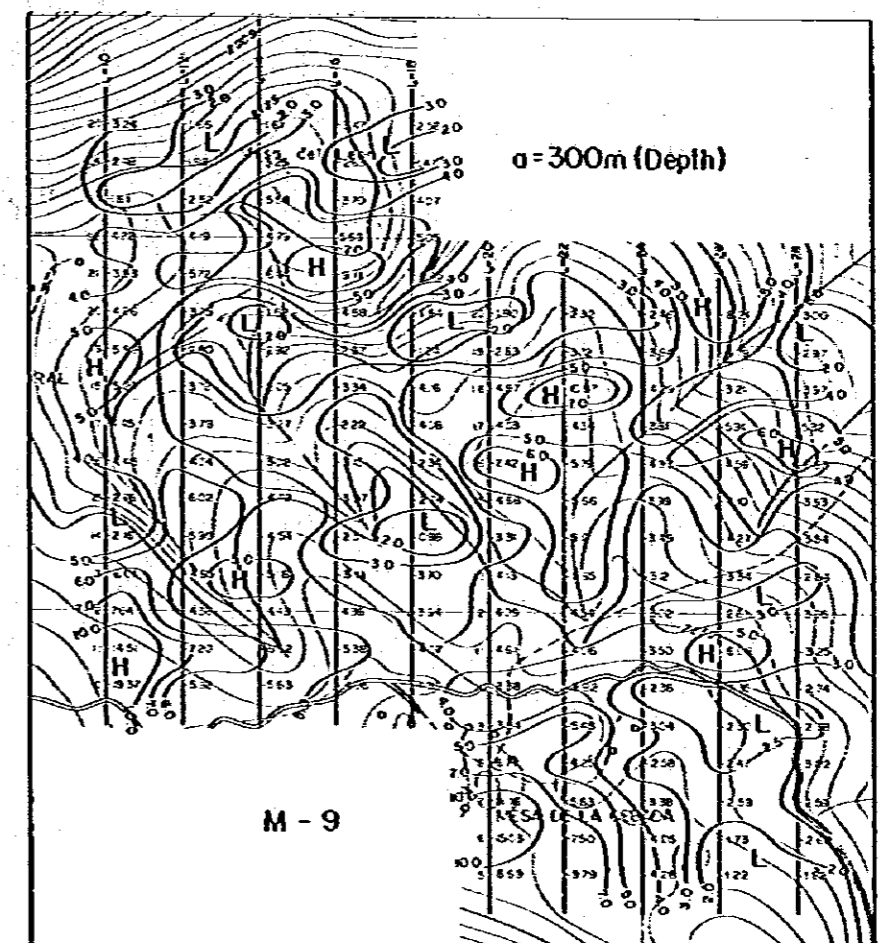
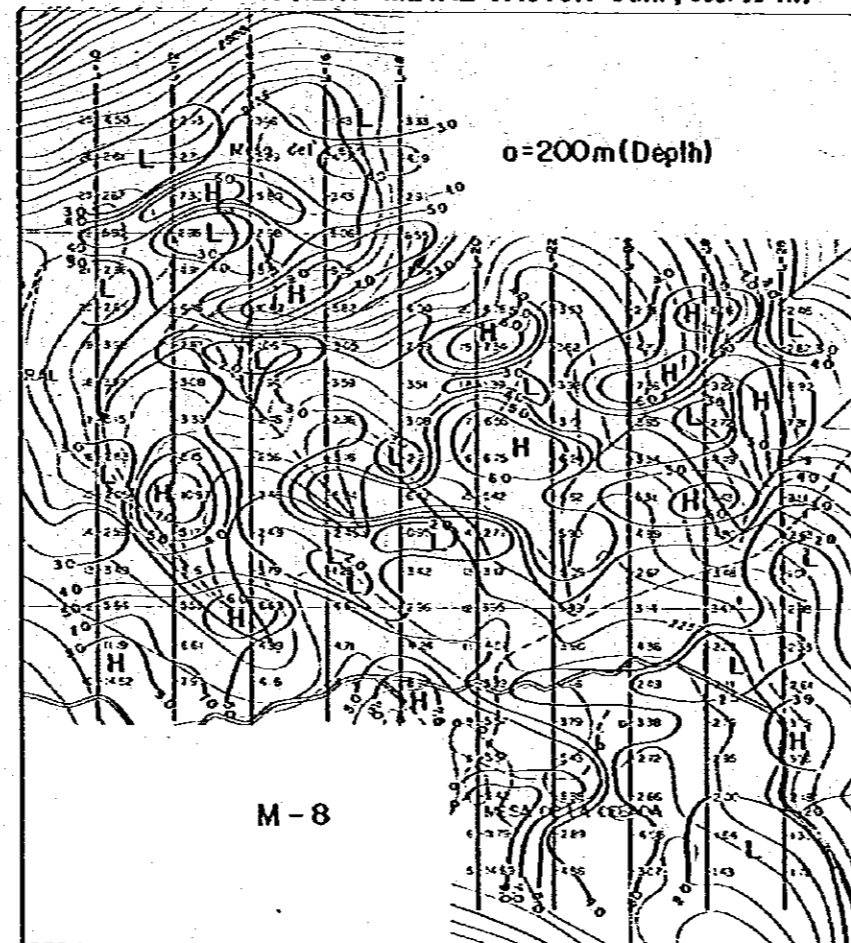
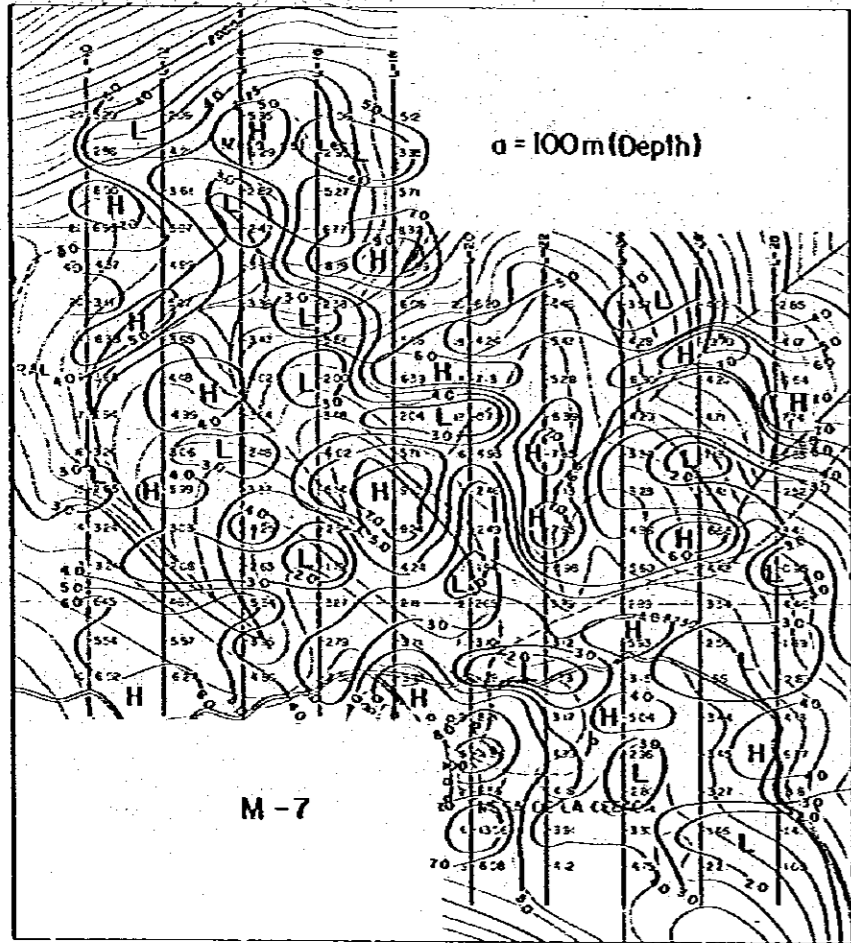
a = 300m (Depth)



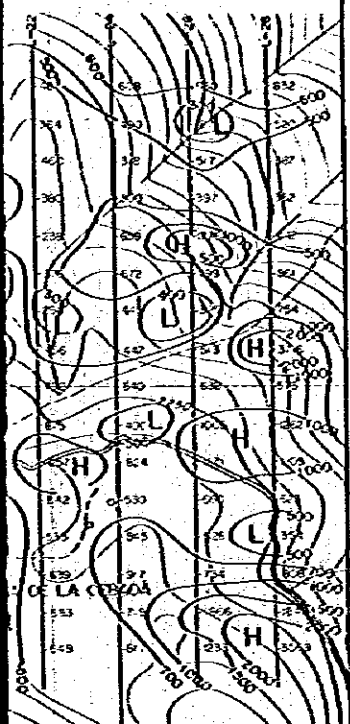
APPARENT RESISTIVITY ($\rho_0, \Omega \cdot m$)



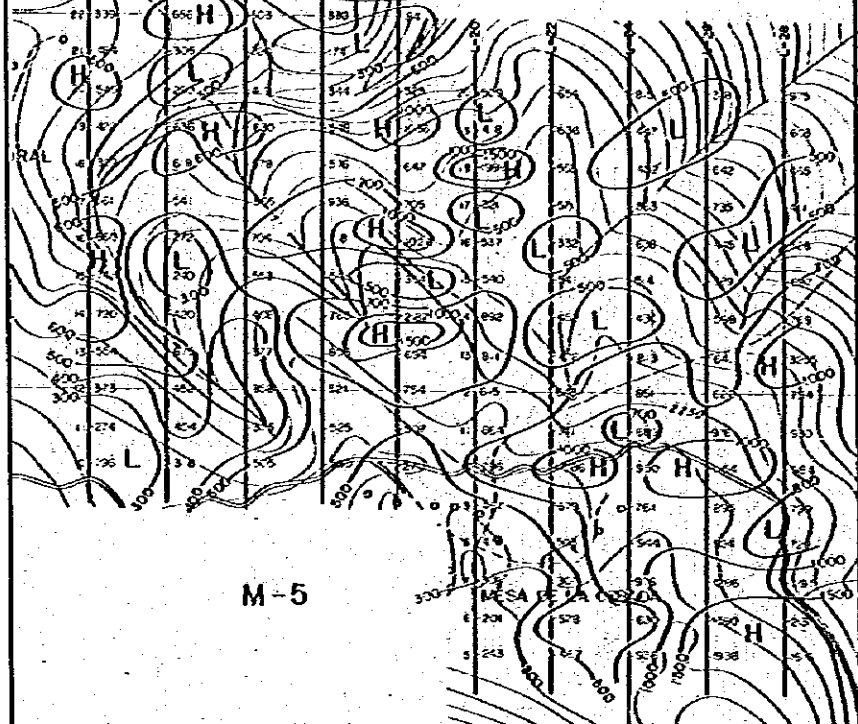
APPARENT METAL FACTOR (AMF, sec/ $\Omega \cdot m$)



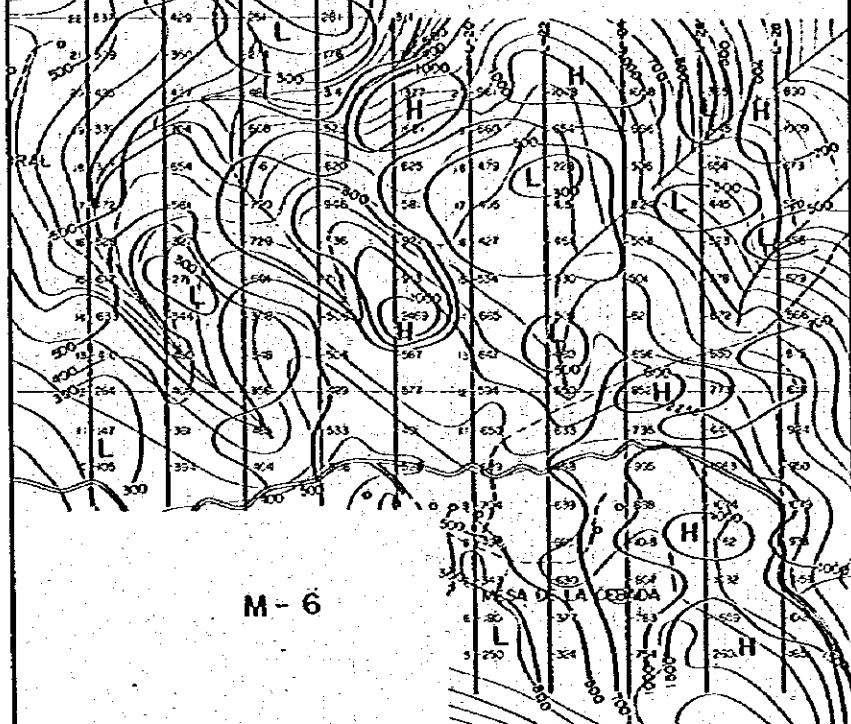
= 100m (Depth)



$\alpha = 200m$ (Depth)

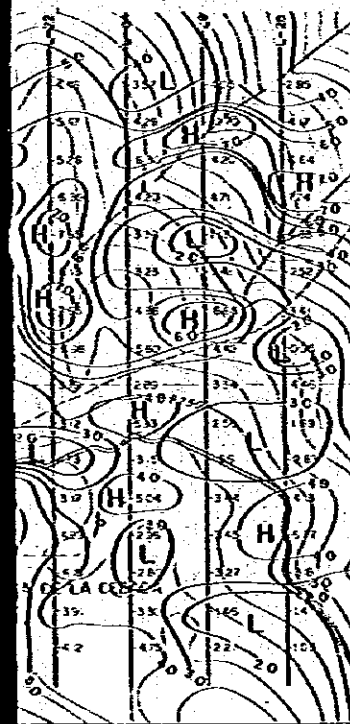


$\alpha = 300m$ (Depth)

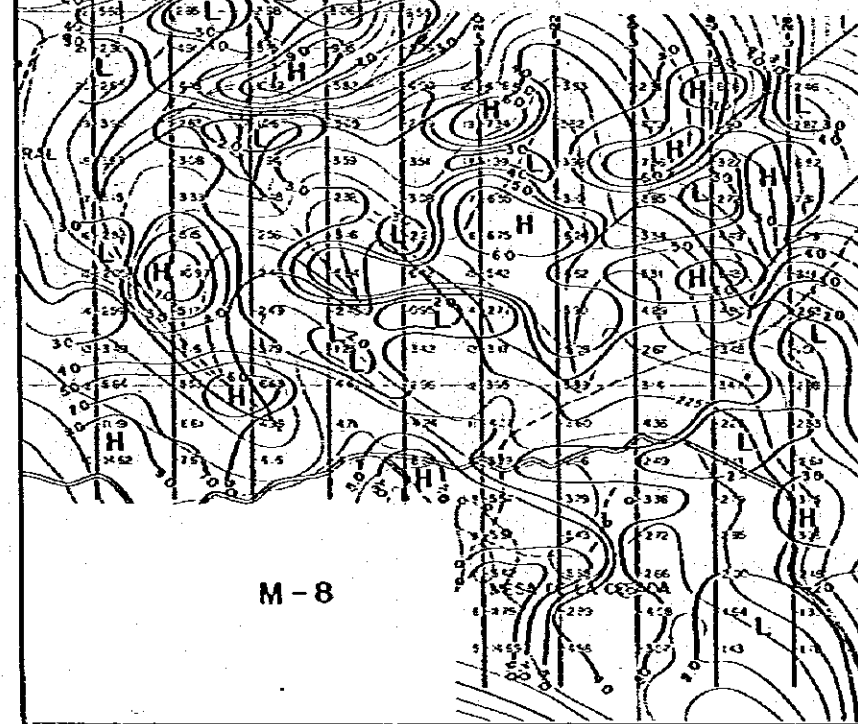


APPARENT METAL FACTOR (AMF, sec/ Ω -m)

= 100m (Depth)



$\alpha = 200m$ (Depth)



$\alpha = 300m$ (Depth)

