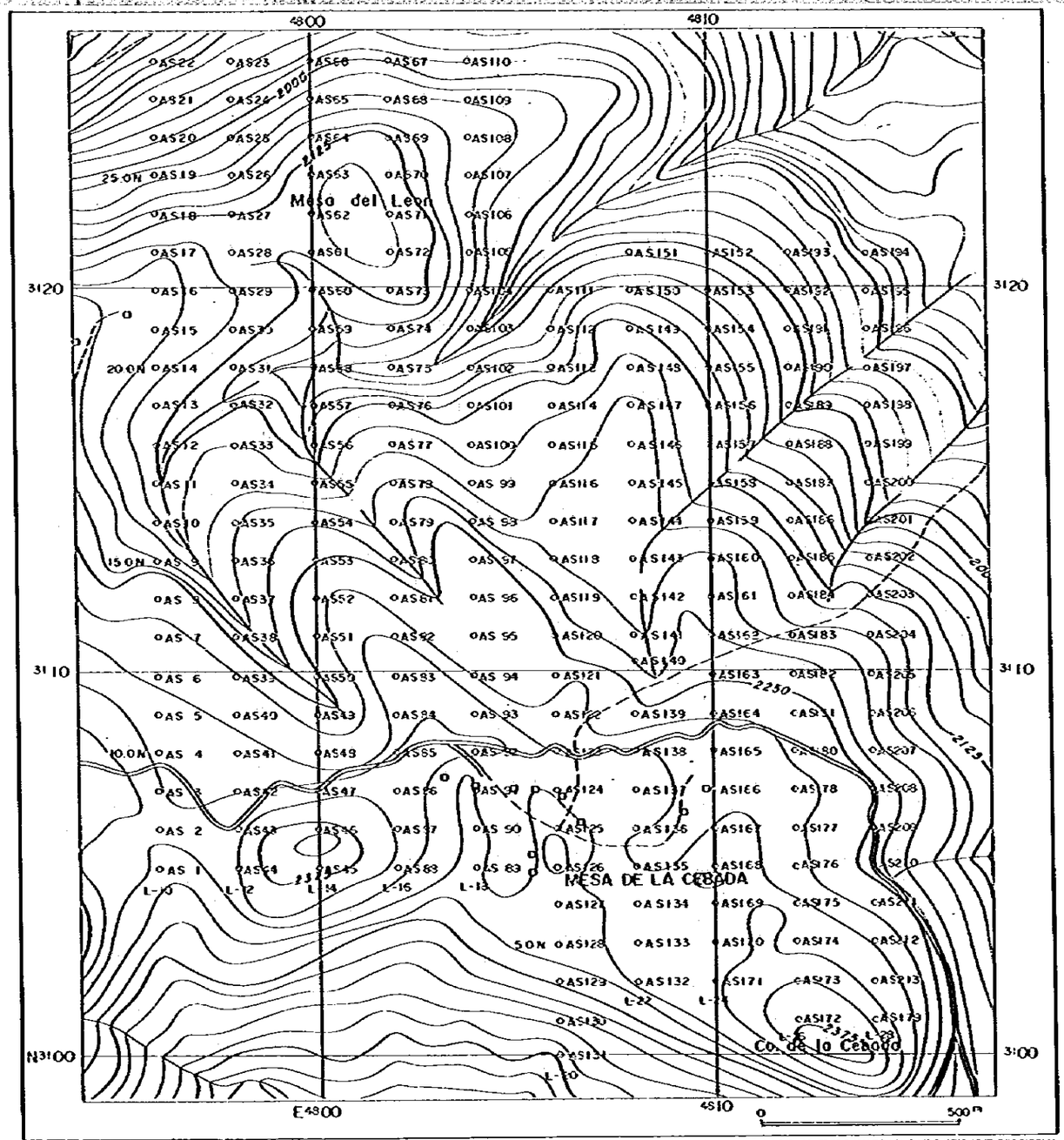
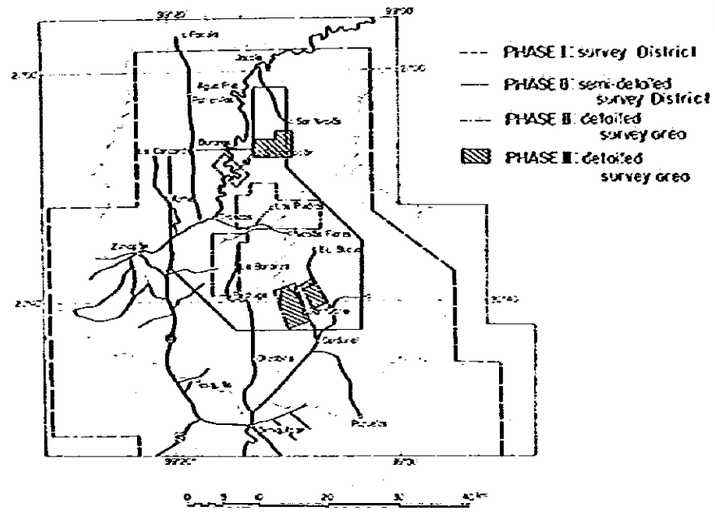


PL. 3-1

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

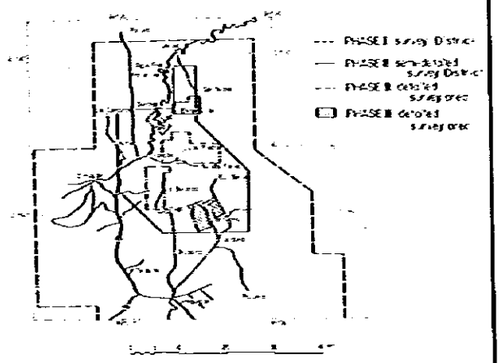


JAPAN INTERNATIONAL COOPERATION AGENCY AND
METAL MINING AGENCY OF JAPAN
IN COLLABORATION WITH
CONSEJO DE RECURSOS MINERALES DE MEXICO
FEBRUARY 1982

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

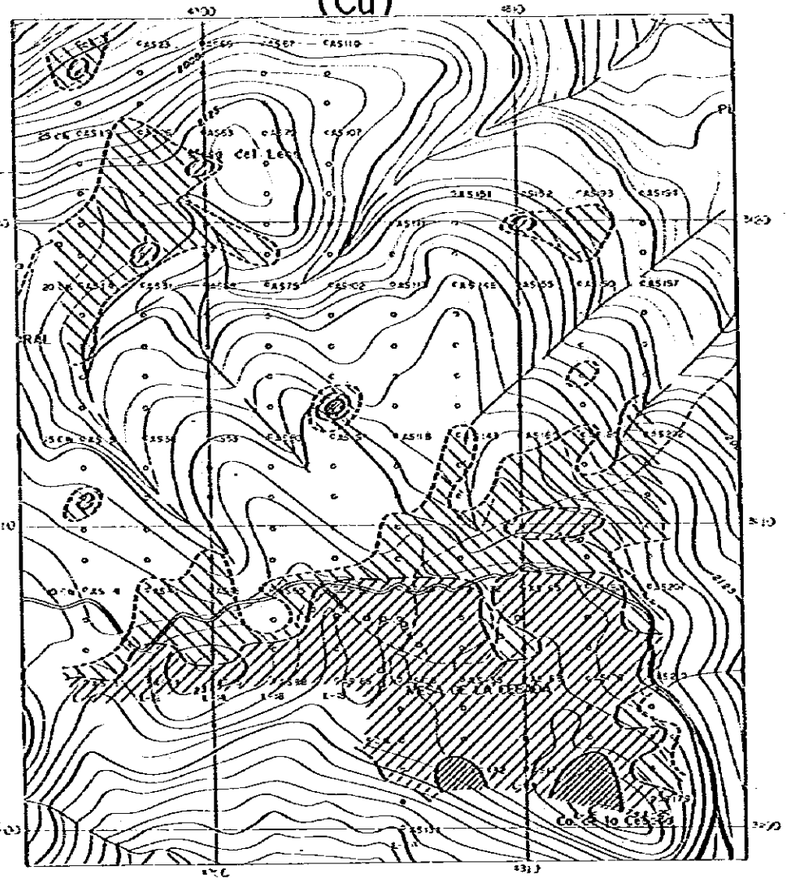
GEOCHEMICAL Cu, Pb AND Ag ANOMALY MAPS OF THE EL TEJOCOTE AREA

Scale 1 : 10,000

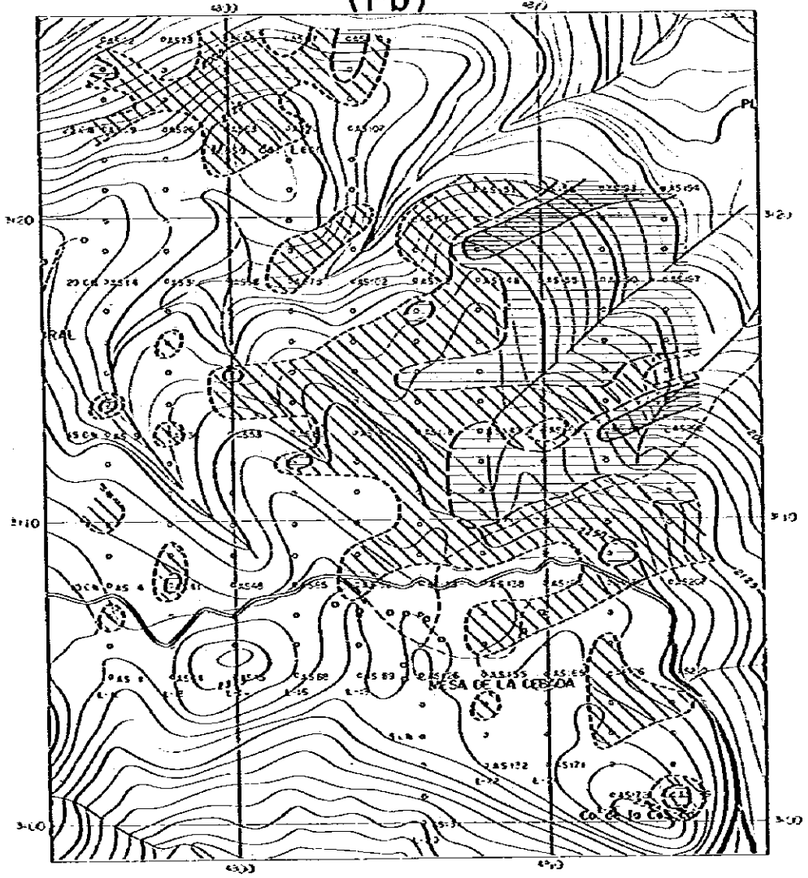


JAPAN INTERNATIONAL COOPERATION AGENCY AND
METAL MINING AGENCY OF JAPAN
IN COLLABORATION WITH
CONSEJO DE RECURSOS MINERALES DE MEXICO
FEBRUARY 1982

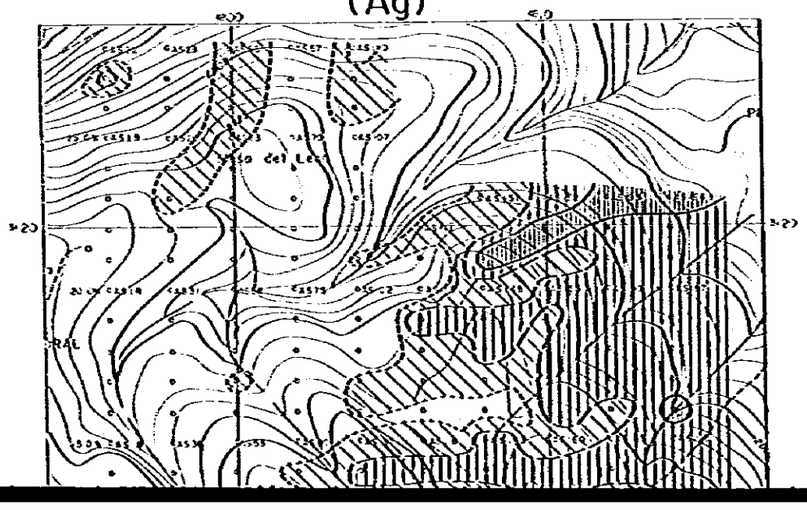
(Cu)



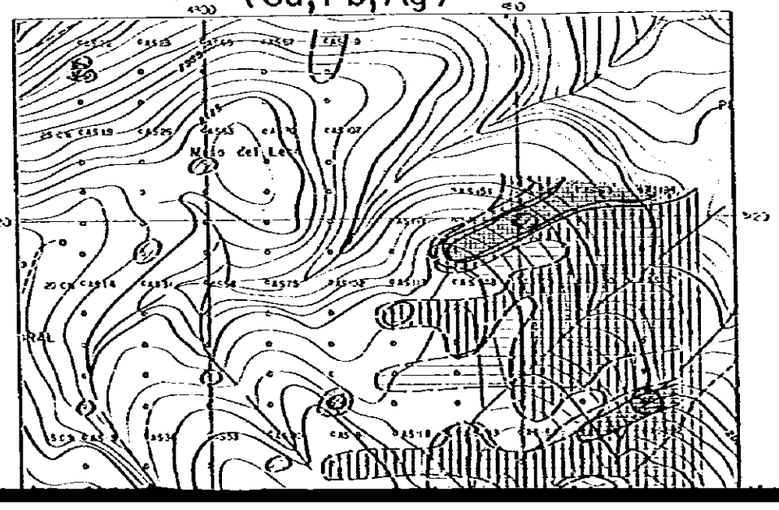
(Pb)



(Ag)

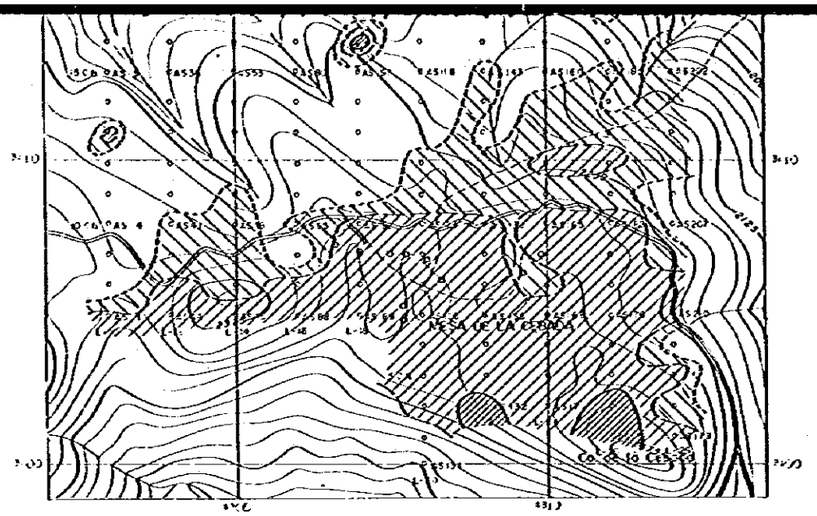


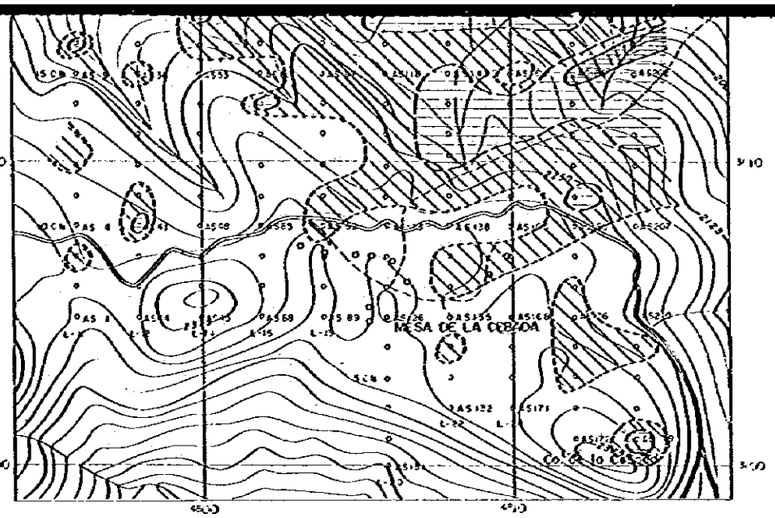
(Cu, Pb, Ag)



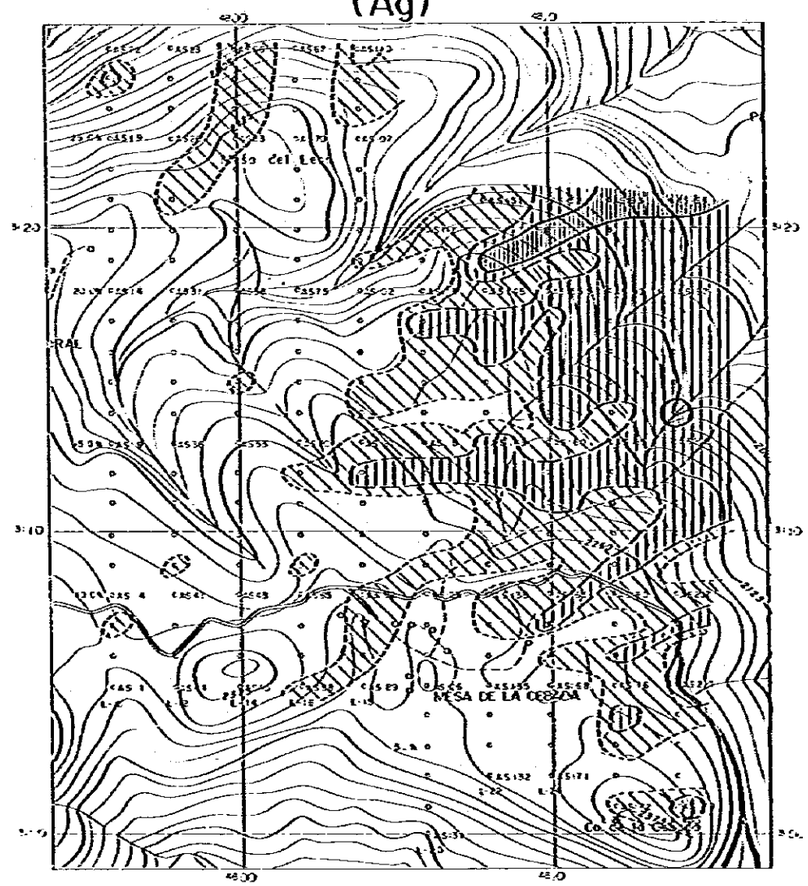
LEGEND

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 ≧ 385
	C	385 > Pb ≧ 214

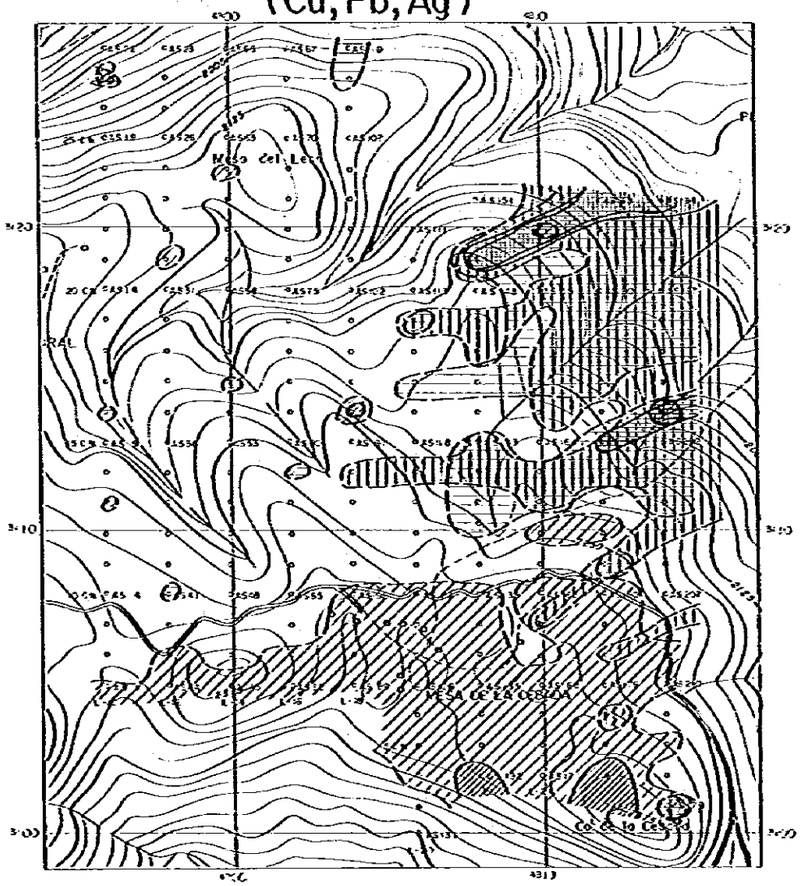


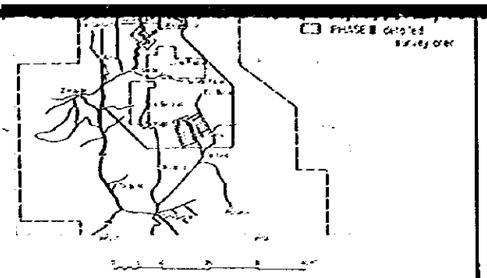


(Ag)



(Cu, Pb, Ag)





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

LEGEND

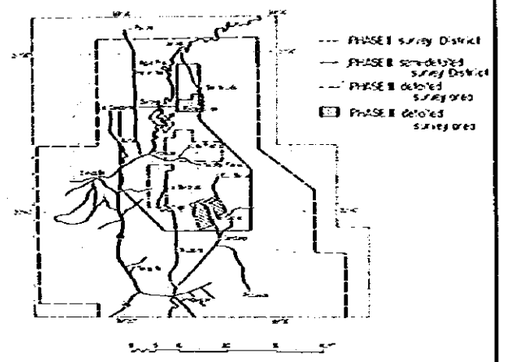
Symbol	Class of anomaly	Contents (in ppm)
Cu element		
	A	Cu ≧ 240
	B	240 > Cu ≧ 69
	C	69 > Cu ≧ 44
Pb element		
	A	Pb ≧ 1230
	B	1230 > Pb ≧ 385
	C	385 > Pb ≧ 214
Ag element		
	A	Ag ≧ 8.3
	B	8.3 > Ag ≧ 3.3
	C	3.3 > Ag ≧ 2.4

PL 3-3

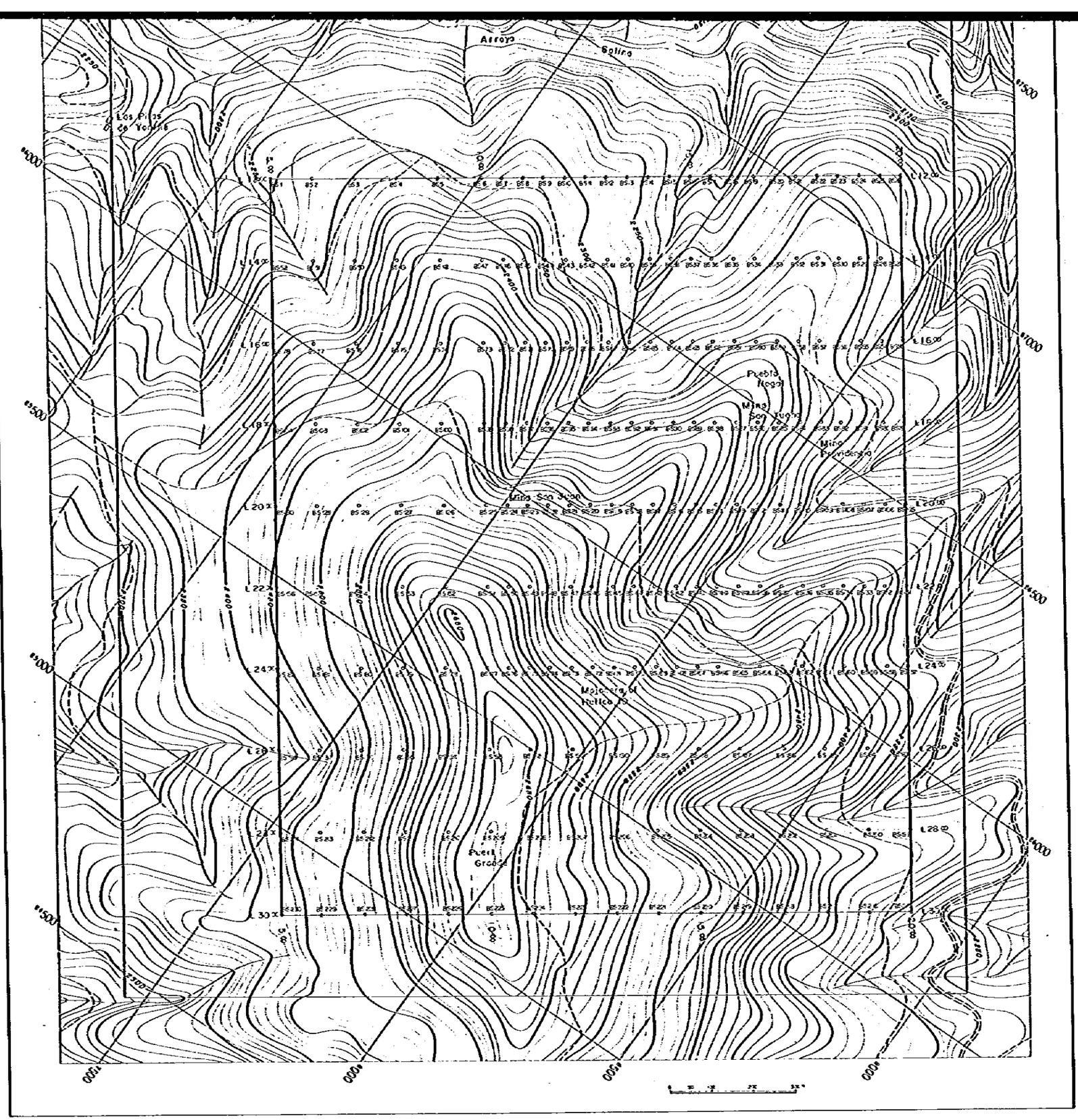
GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

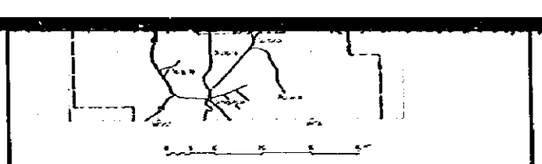
LOCATION MAP OF SOIL SAMPLES FOR GEOCHEMICAL EXPLORATION IN THE PROVIDENCIA AREA

Scale 1 : 5,000



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



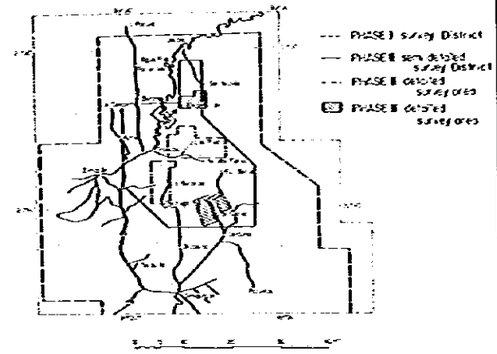


JAPAN INTERNATIONAL COOPERATION AGENCY AND
METAL MINING AGENCY OF JAPAN
IN COLLABORATION WITH
CONSEJO DE RECURSOS MINERALES DE MEXICO
FEBRUARY 1982

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

GEOCHEMICAL Cu ANOMALIES OF THE PROVIDENCIA AREA (SOIL SAMPLE)

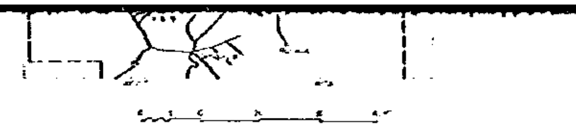
Scale 1 : 5,000

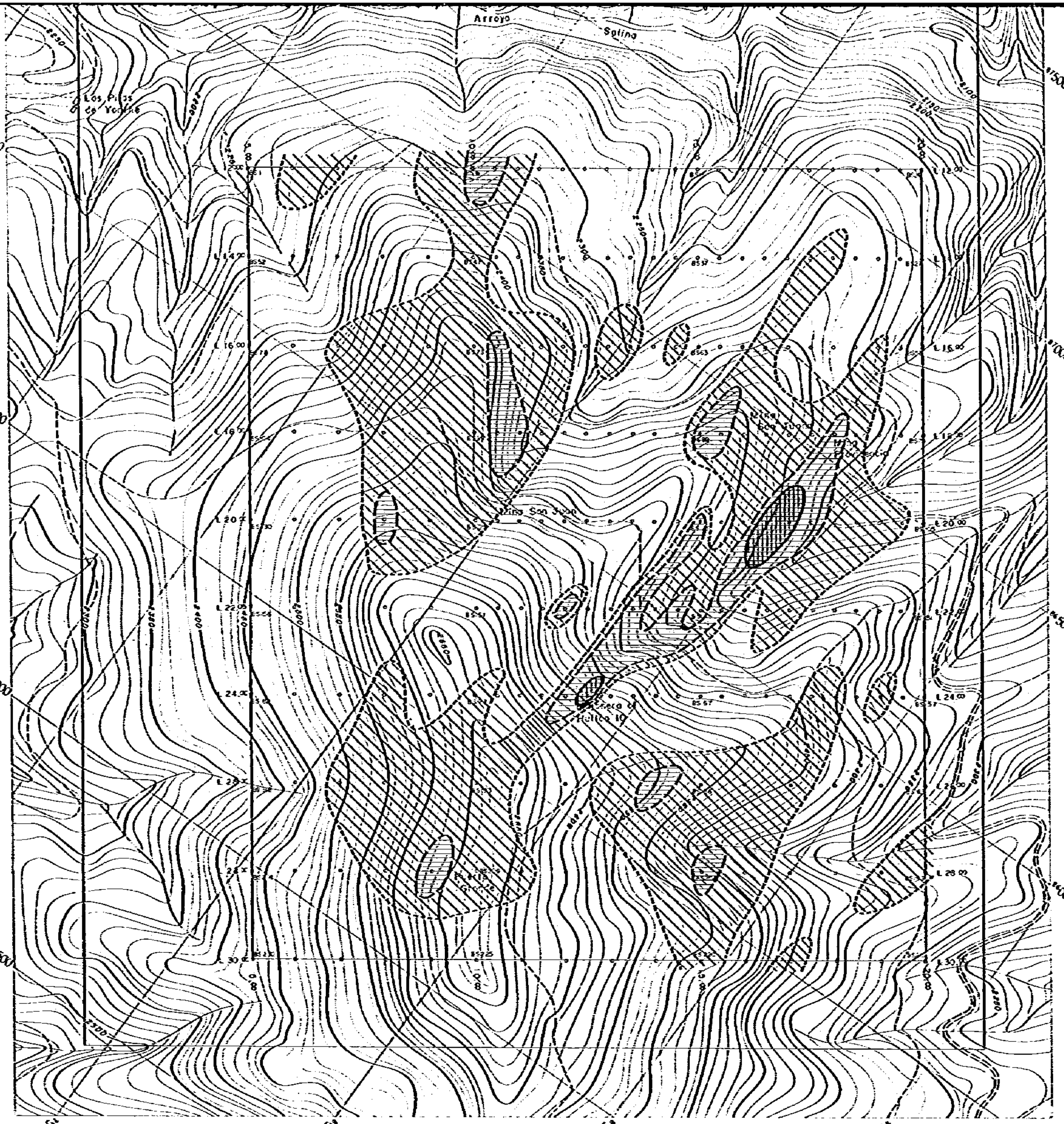


JAPAN INTERNATIONAL COOPERATION AGENCY AND
METAL MINING AGENCY OF JAPAN
IN COLLABORATION WITH
CONSEJO DE RECURSOS MINERALES DE MEXICO
FEBRUARY 1982

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

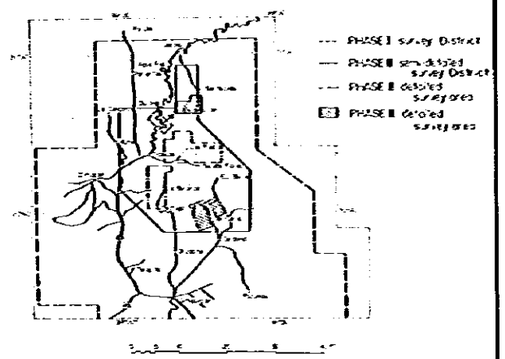
LEGEND

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

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

GEOCHEMICAL Pb ANOMALIES OF THE PROVIDENCIA AREA (SOIL SAMPLE)

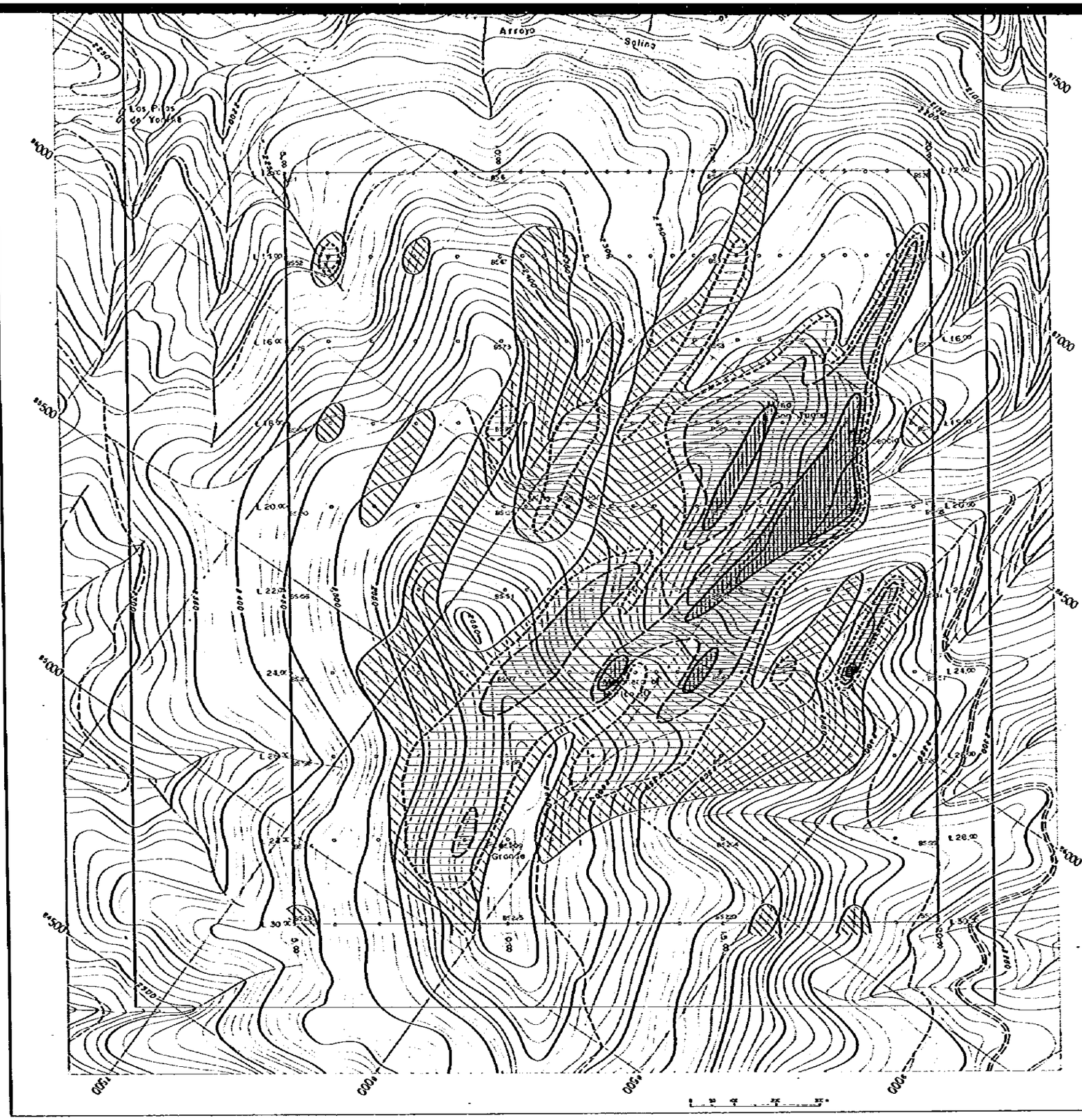
Scale 1 : 5,000



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

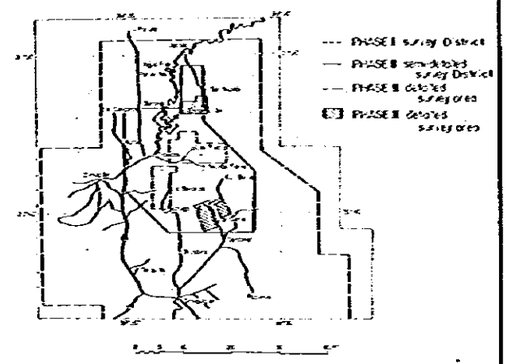
LEGEND

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

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

GEOCHEMICAL Ag ANOMALIES OF THE PROVIDENCIA AREA (SOIL SAMPLE)

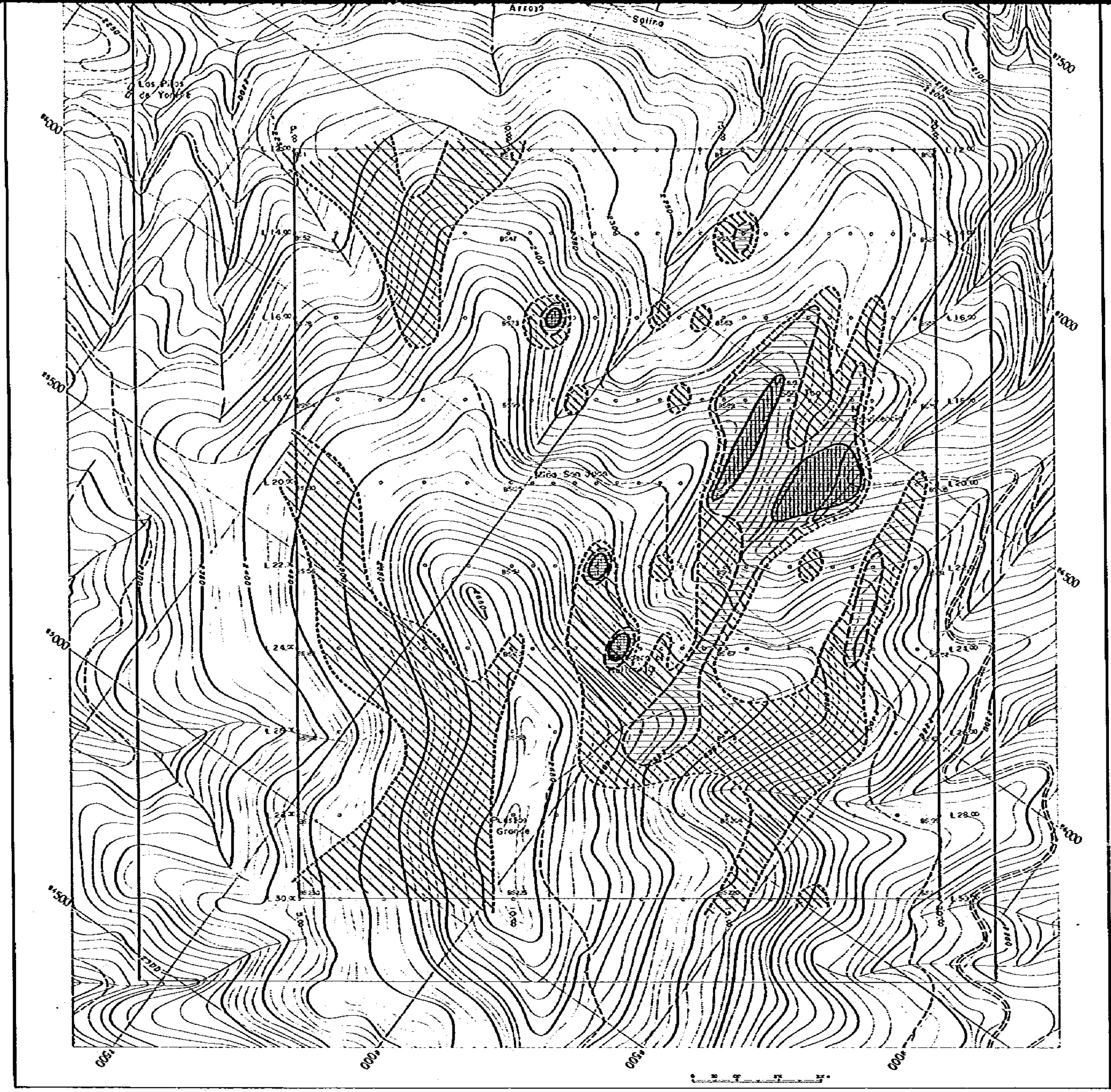
Scale 1 : 5,000

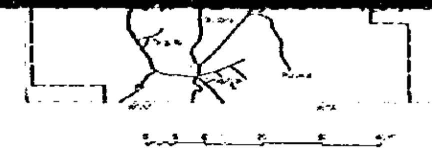


JAPAN INTERNATIONAL COOPERATION AGENCY AND
METAL MINING AGENCY OF JAPAN
IN COLLABORATION WITH
CONSEJO DE RECURSOS MINERALES DE MEXICO
FEBRUARY 1982

LEGEND

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





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

LEGEND

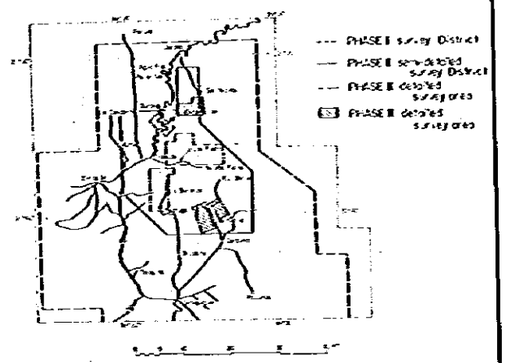
Symbol	Class of Ag anomaly	Contents (in ppm)
	A	Ag ≧ 6.6
	B	6.6 > Ag ≧ 3.2
	C	3.2 > Ag ≧ 2.0

PL 3-7

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

GEOCHEMICAL Cu, Pb AND Ag ANOMALIES OF THE PROVIDENCIA AREA (SOIL SAMPLE)

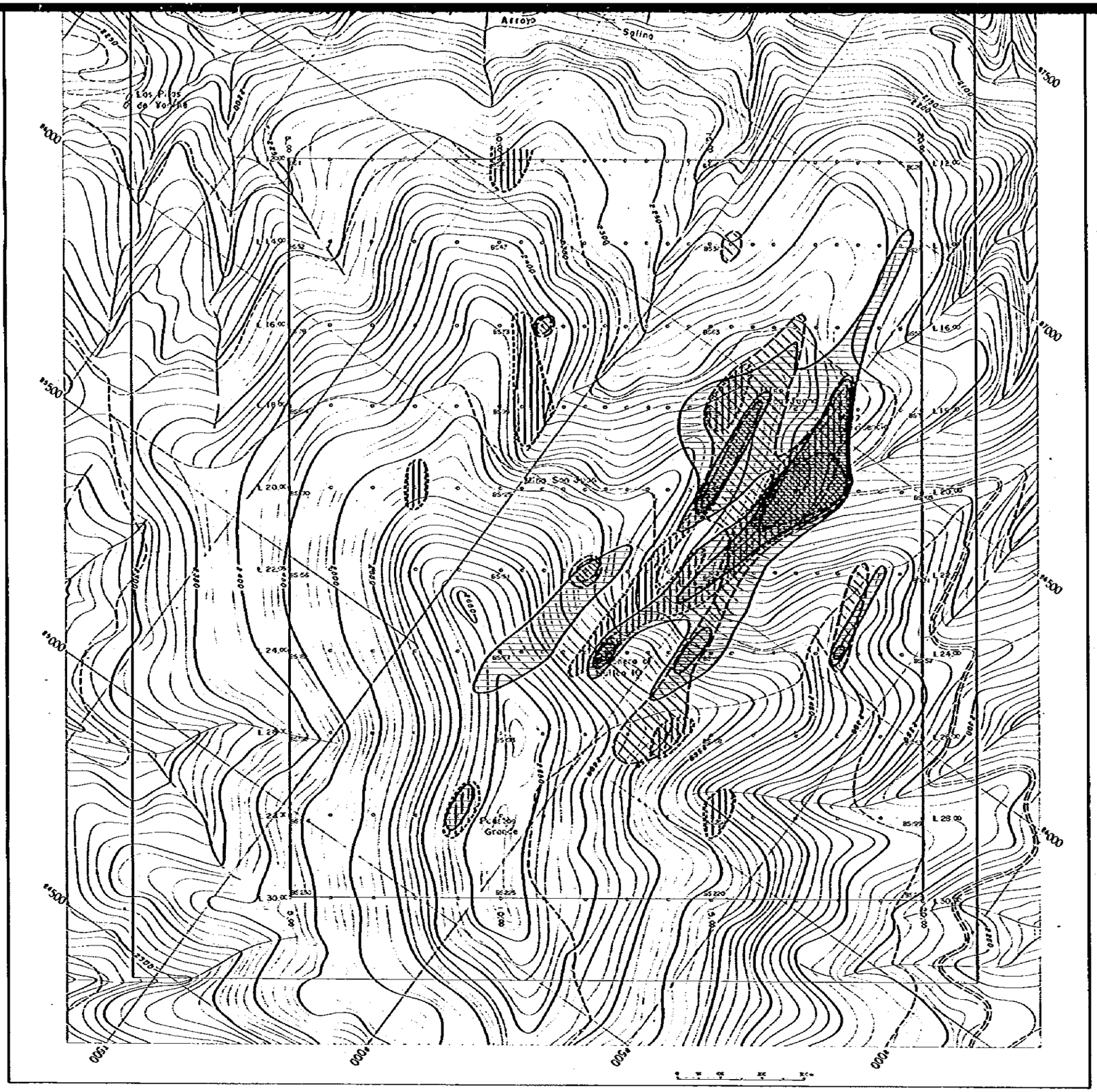
Scale 1 : 5,000



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 ≧ 141
	B	141 > Cu ≧ 83
Pb element		
	AA	Pb ≧ 2570
	A	2570 > Pb ≧ 923
Ag element		
	A	Ag ≧ 6.6
	B	6.6 > Ag ≧ 3.2

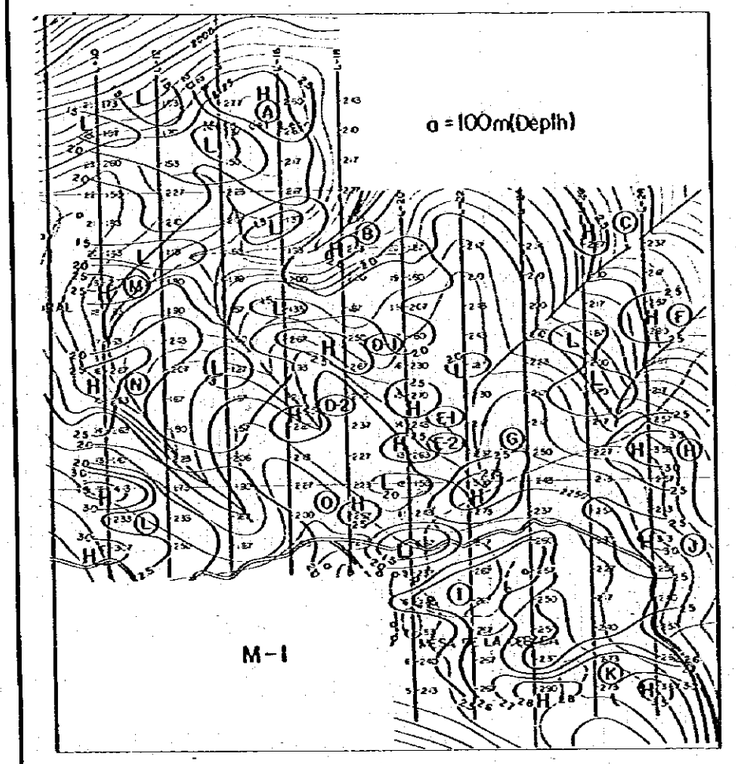


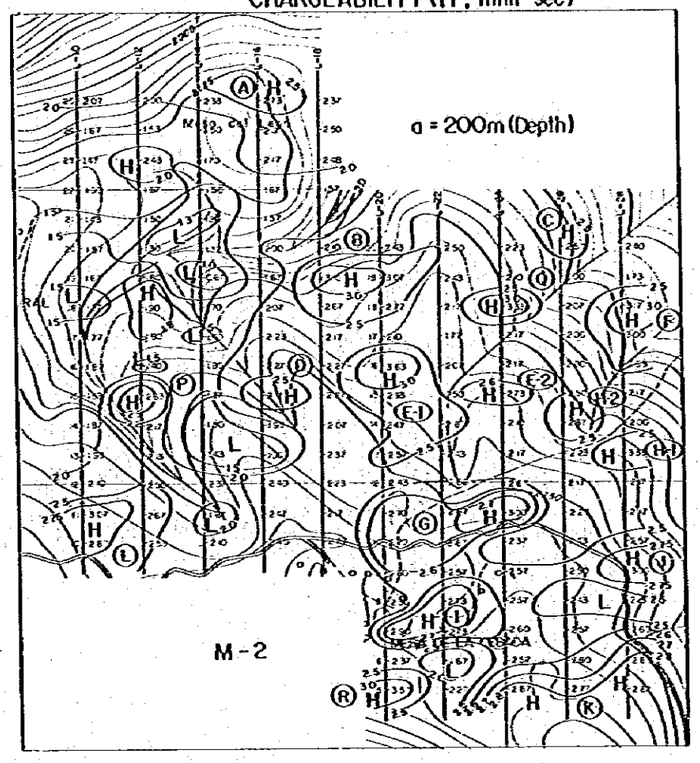
JAPAN INTERNATIONAL COOPERATION AGENCY AND
METAL MINING AGENCY OF JAPAN
IN COLLABORATION WITH
CONSEJO DE RECURSOS MINERALES DE MEXICO
FEBRUARY 1982

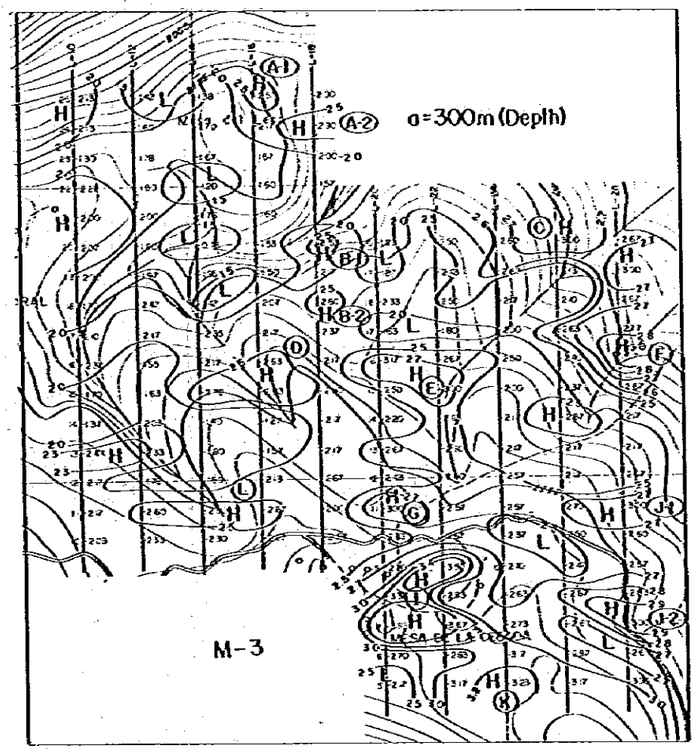
LEGEND

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

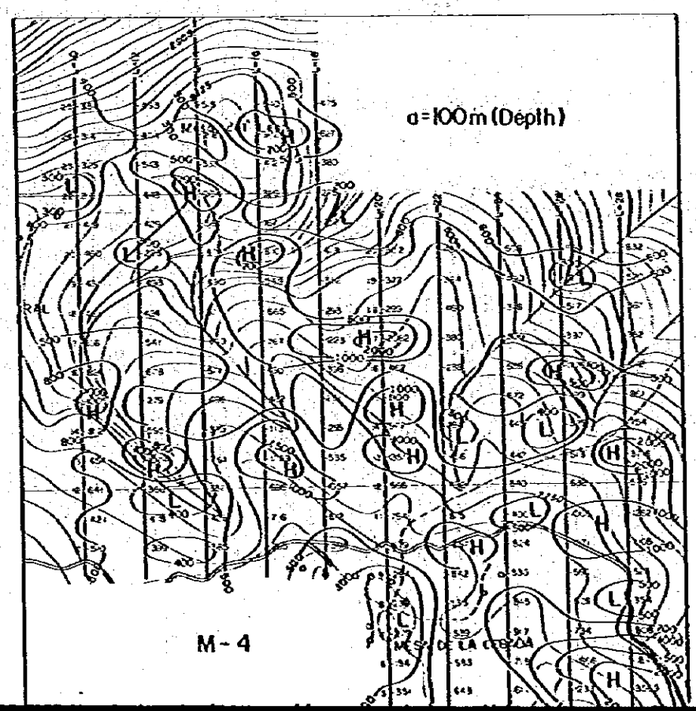
CHARGEABILITY (I.P. milli-sec)

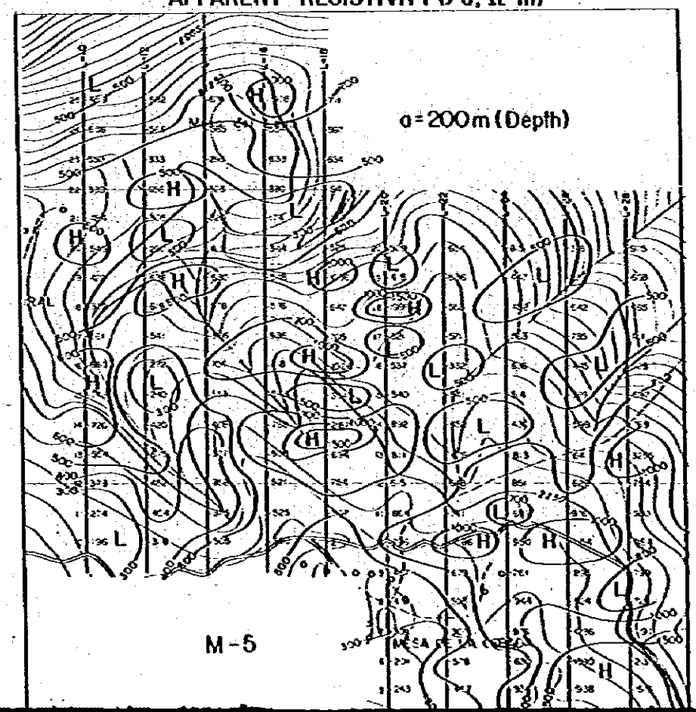


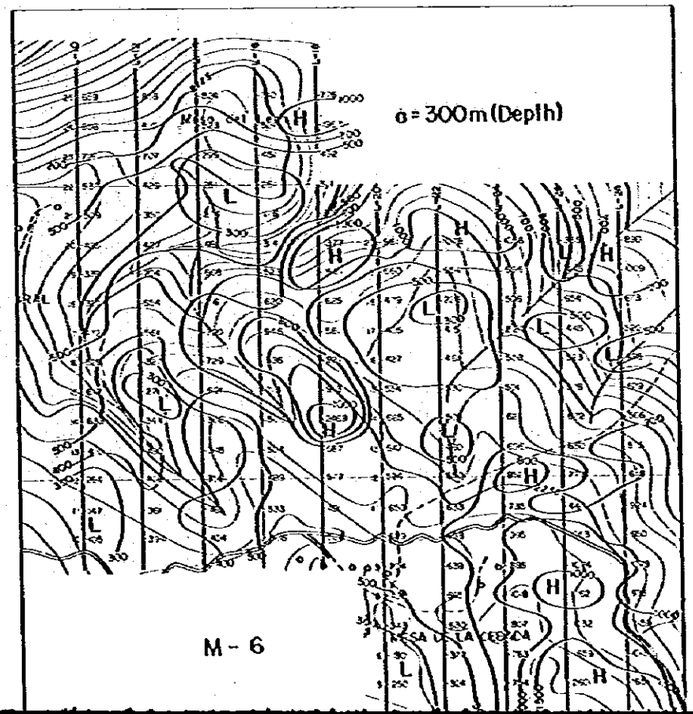




APPARENT RESISTIVITY (ρ_a, Ω-m)







CHARGEABILITY (IP, milli-sec)

a = 100m(Depth)

a = 200m (Depth)

M-2

a = 300m (Depth)

M-3

APPARENT RESISTIVITY (ρ_o, Ω-m)

a=100m (Depth)

a = 200m (Depth)

M-5

a = 300m (Depth)

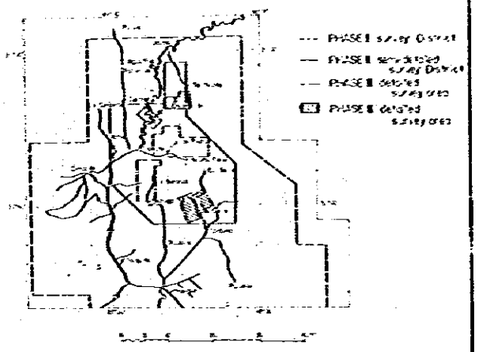
M-6

PL : 4-1

GEOLOGICAL SURVEY
OF
THE PACHUCA - ZIMAPAN AREA
PHASE II

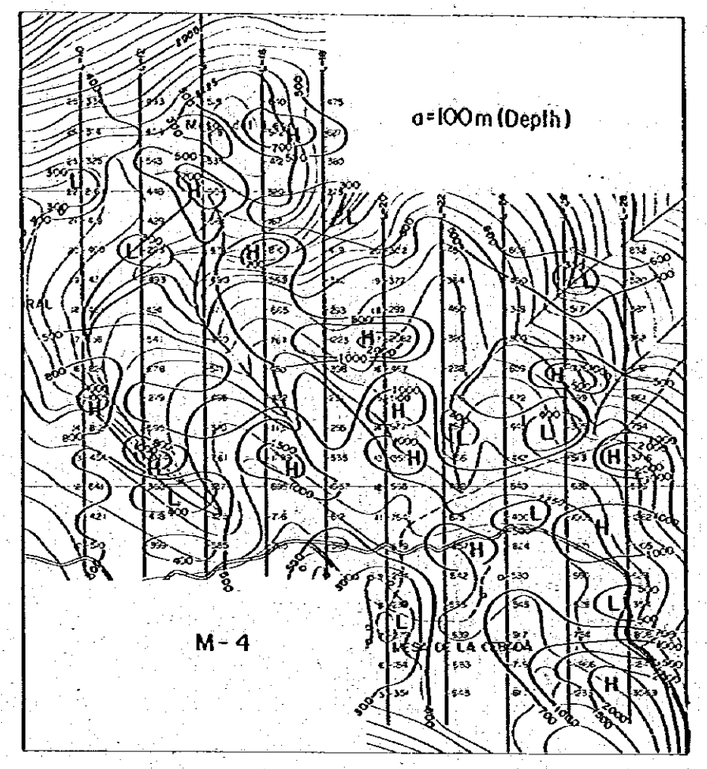
MAPS OF IP SURVEY
EL EJOCOTE AREA

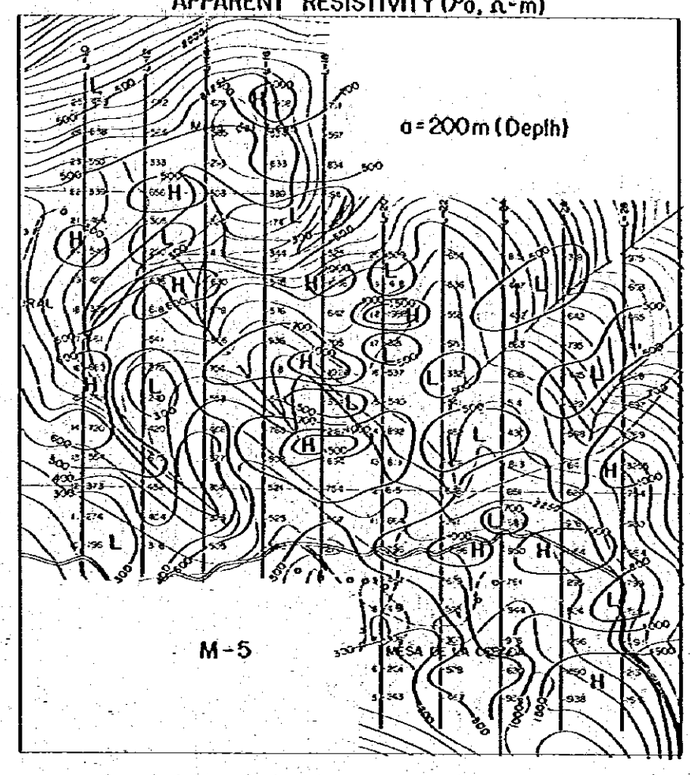
Scale 1 : 10,000

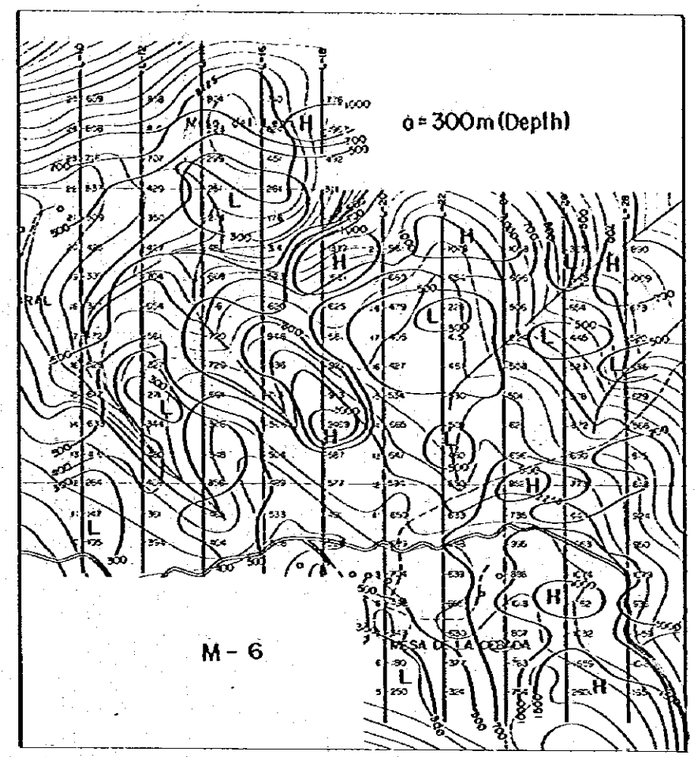


JAPAN INTERNATIONAL COOPERATION AGENCY AND
METAL MINING AGENCY OF JAPAN
IN COLLABORATION WITH
CONSEJO DE RECURSOS MINERALES DE MEXICO
FEBRUARY 1982

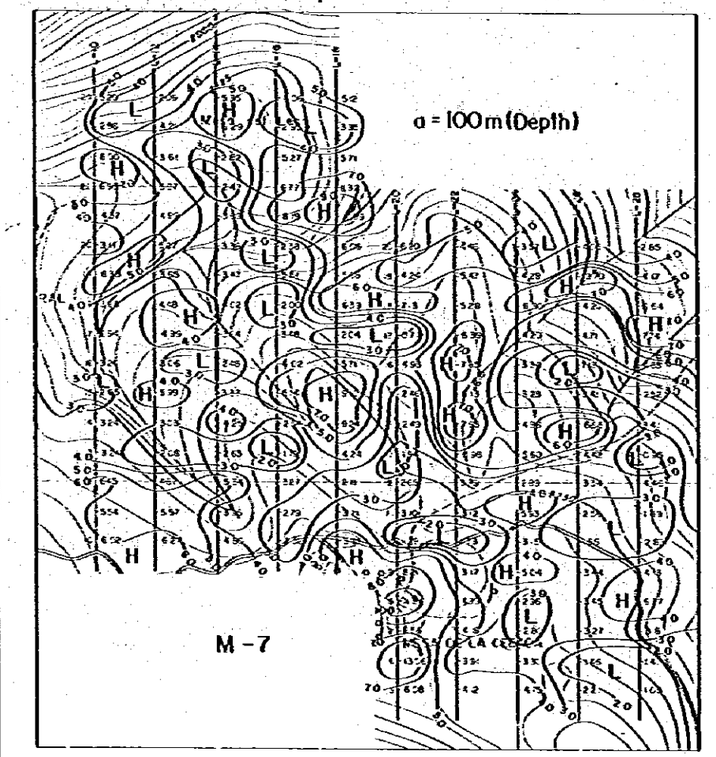
APPARENT RESISTIVITY (ρ_a, Ω-m)

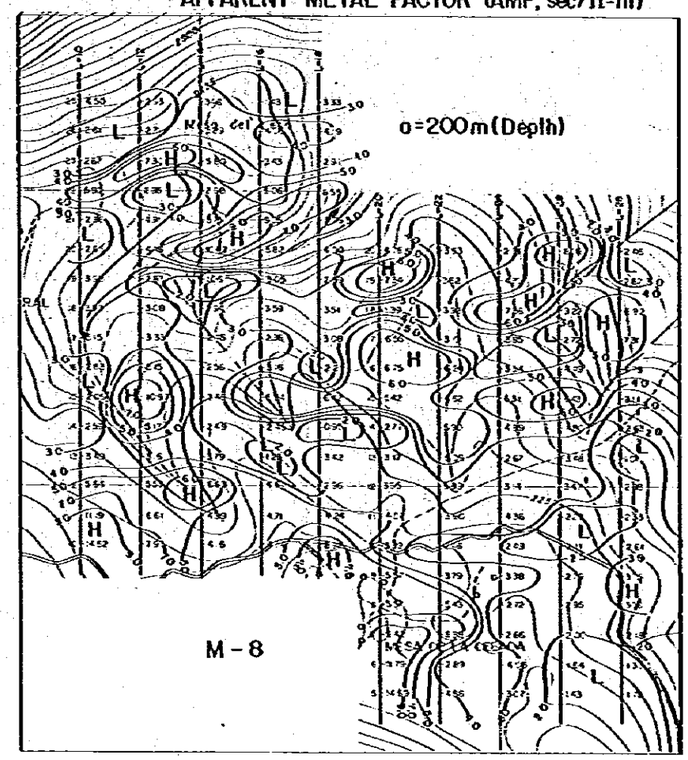


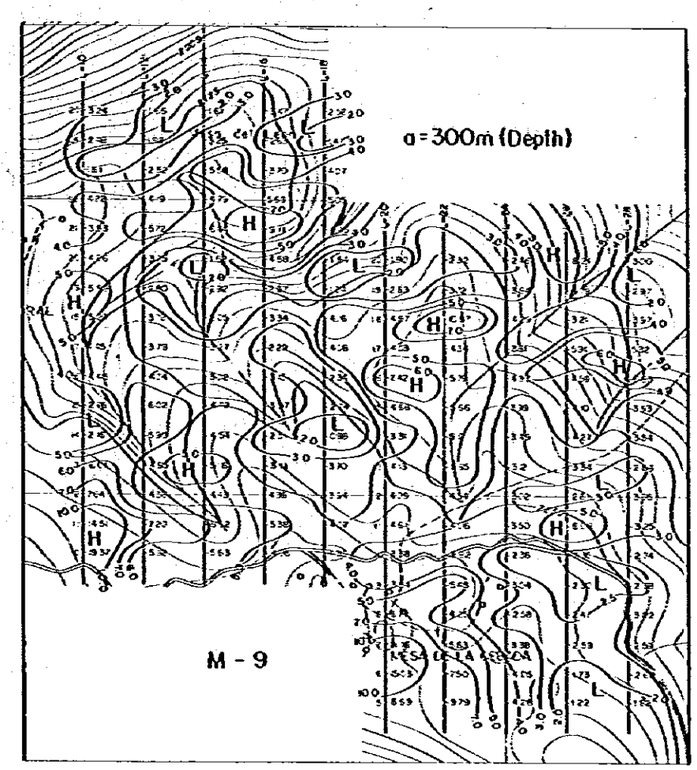




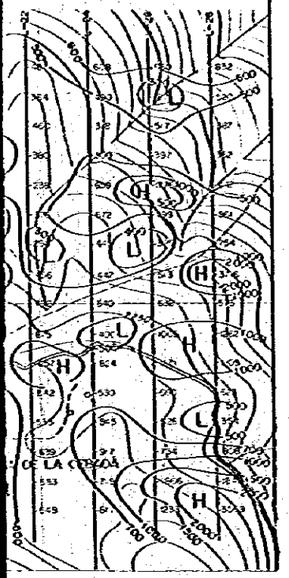
APPARENT METAL FACTOR (AMF, sec/Ω-m)



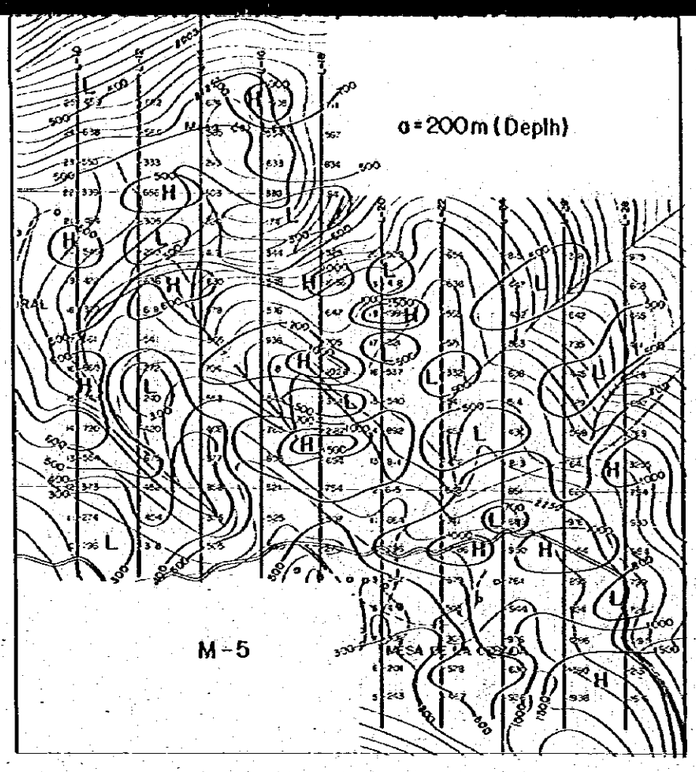




=100m (Depth)

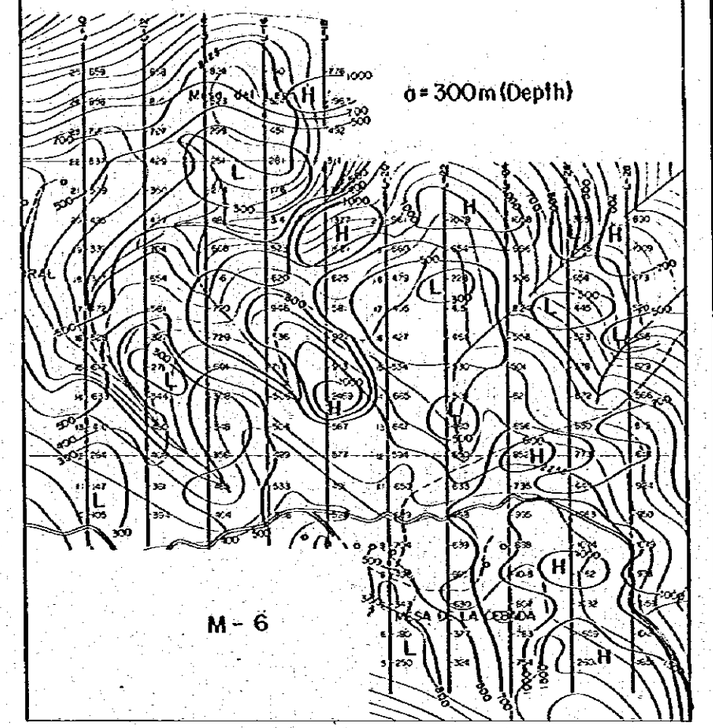


a=200m (Depth)



M-5

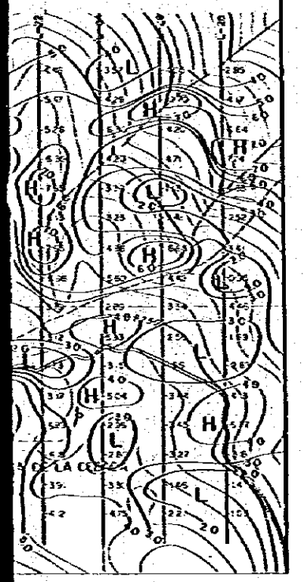
a=300m (Depth)



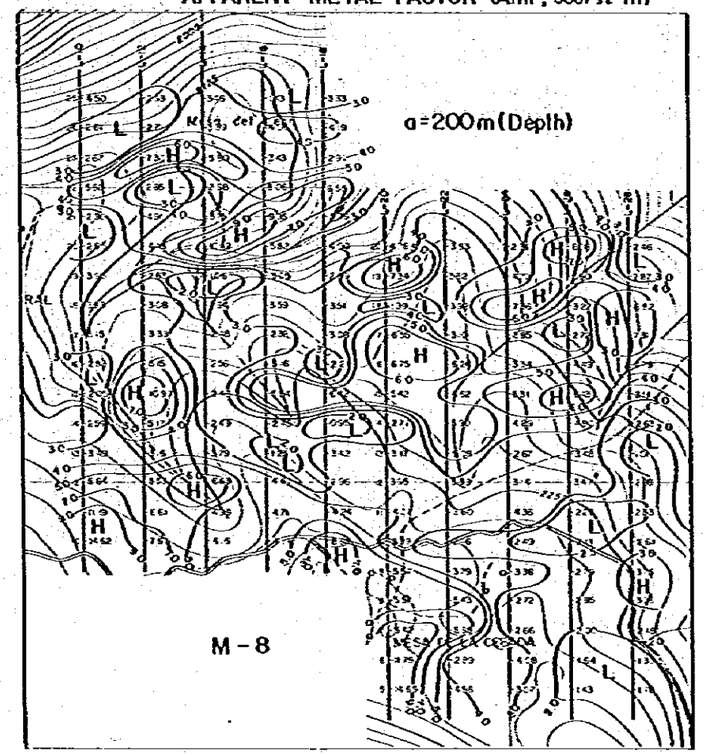
M-6

APPARENT METAL FACTOR (AMF, sec/Ω-m)

= 100m (Depth)

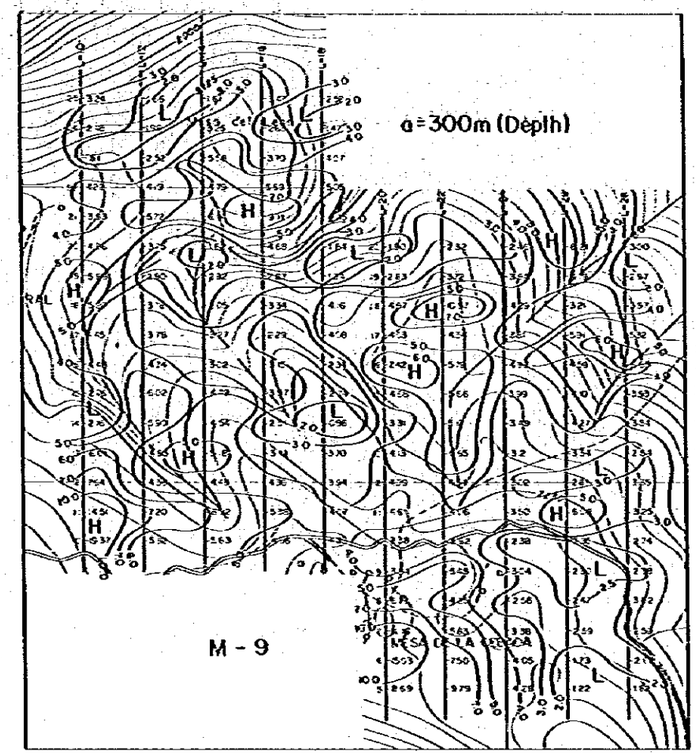


a=200m (Depth)



M-8

a=300m (Depth)



M-9