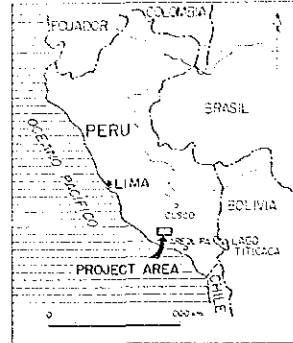



PL 13-(1)

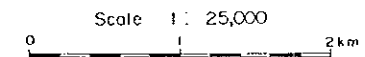
MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE II)

GEOCHEMICAL ANOMALY MAP OF
THE MARCABAMBA AREA
(Au)

LOCATION INDEX

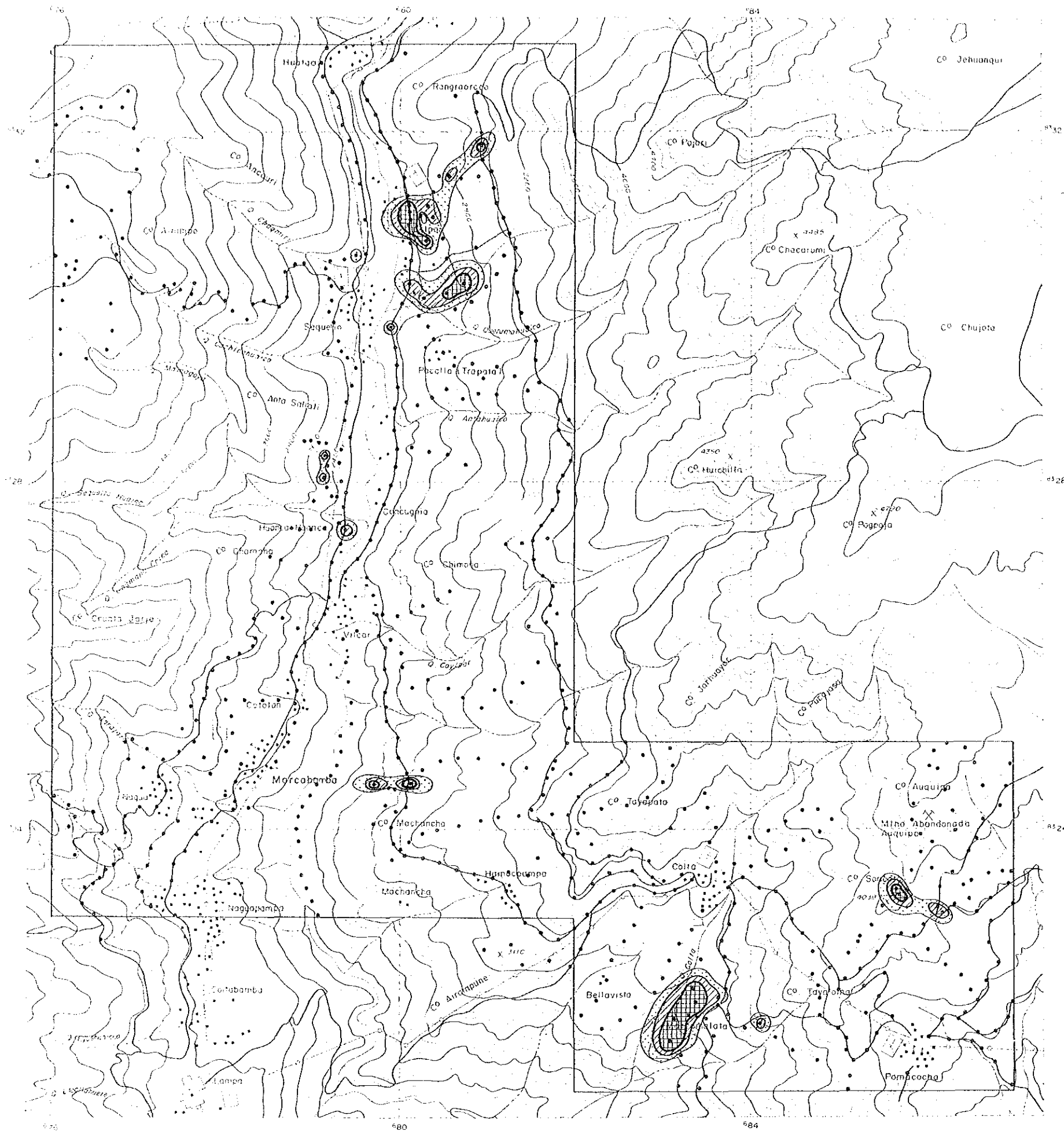



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
INSTITUTO GEOLOGICO MINERO Y METALURGICO
February 1987



LEGEND

Symbol	Classification	Contents (in ppb)
[Cross-hatched pattern]	Anomaly A M+3σ	Au ≥ 292.1
[Diagonal lines pattern]	Anomaly B M+2σ	292.1 > Au ≥ 73.0
[Dotted pattern]	High background M+1σ	73.0 > Au ≥ 18.2

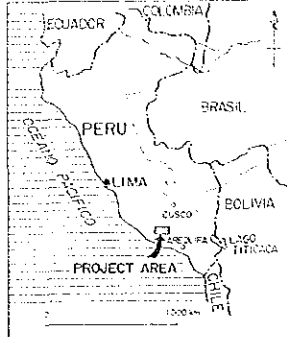
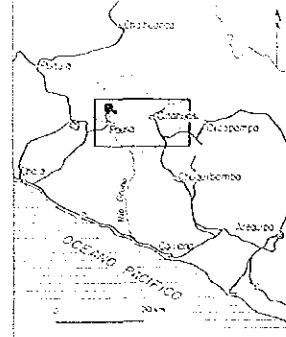


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16230
国土地院院院

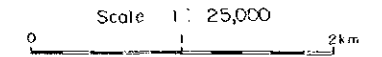
MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE I)

GEOCHEMICAL ANOMALY MAP OF
THE MARCABAMBA AREA
(Ag)

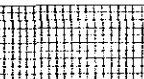
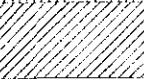

LOCATION INDEX

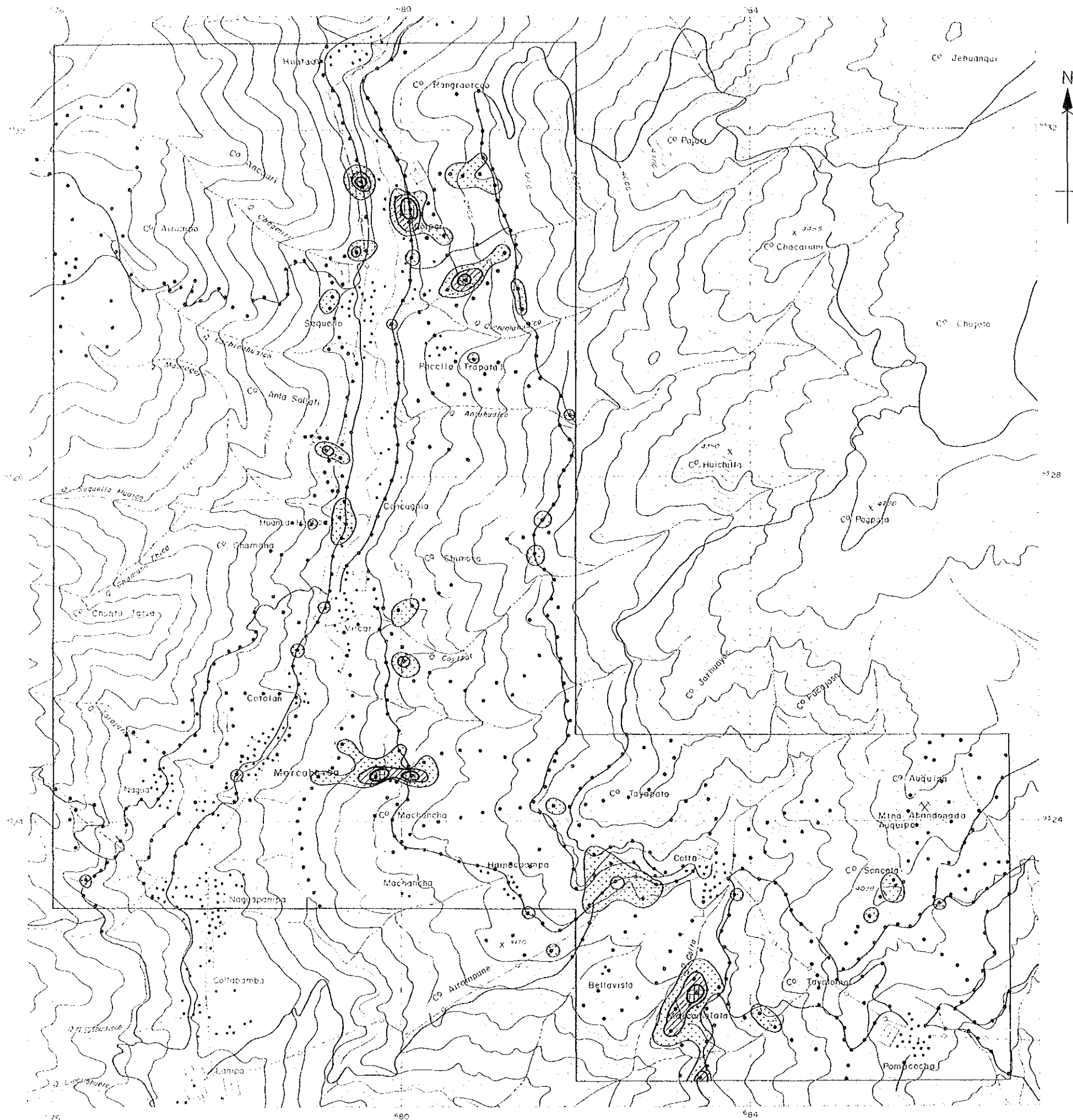



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
INSTITUTO GEOLOGICO MINERO Y METALURGICO
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LEGEND

Symbol	Classification	Contents (in ppm)
	Anomaly A M+30'	Ag ≥ 3.18
	Anomaly B M+20'	3.18 > Ag ≥ 1.15
	High background M+10'	1.15 > Ag ≥ 0.42




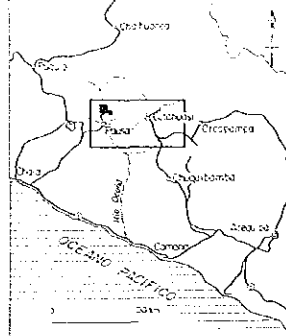
PL 13-(13)

MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE II)

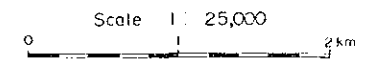
15200
国産資源調査

GEOCHEMICAL ANOMALY MAP OF THE MARCABAMBA AREA (As)

LOCATION MAP

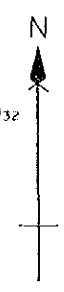
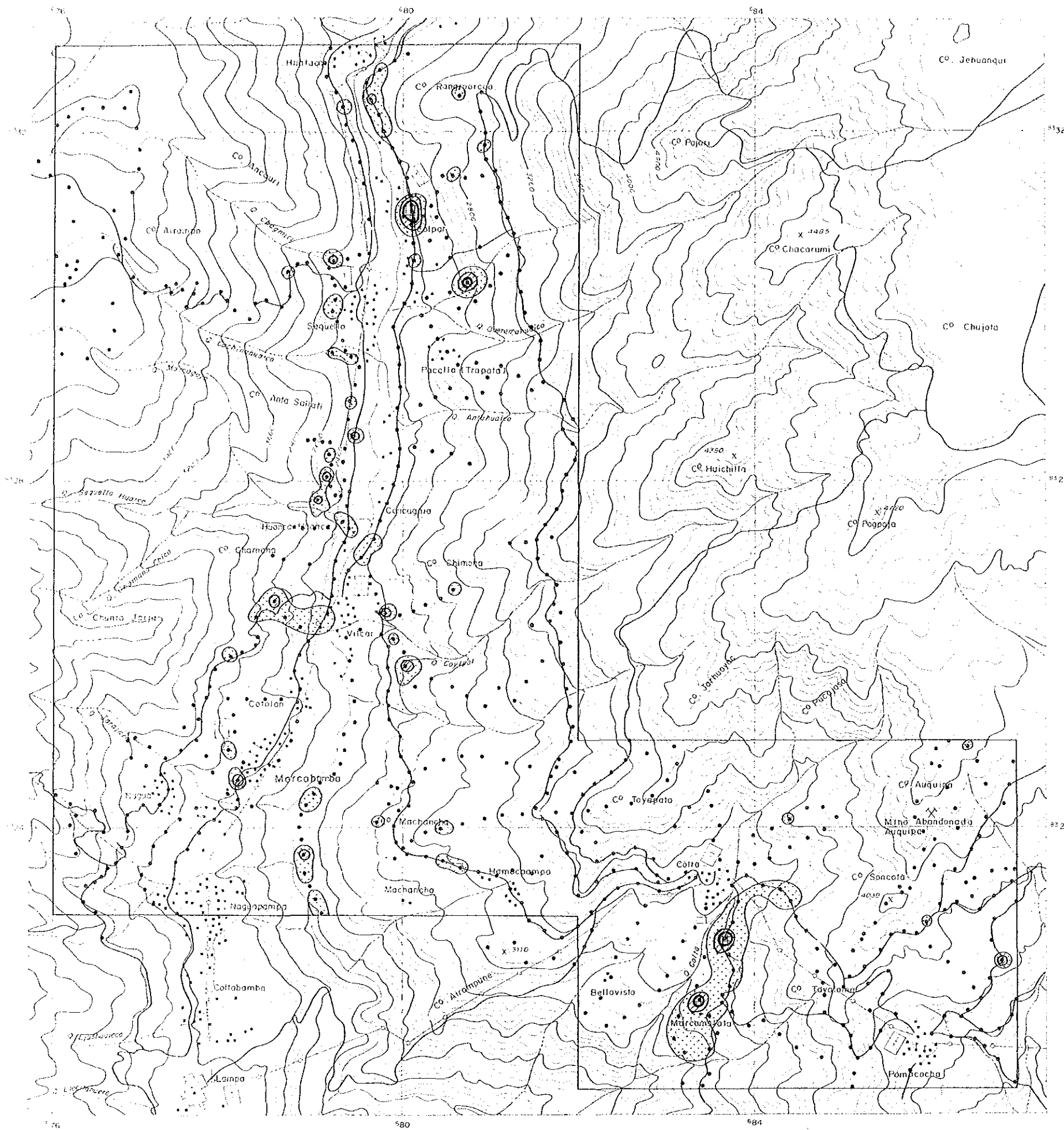



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
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LEGEND

Symbol	Classification	Contents (in ppm)
[Vertical lines]	Anomaly A M+3σ	As ≥ 223.4
[Diagonal lines]	Anomaly B M+2σ	223.4 > As ≥ 72.9
[Dotted pattern]	High background M+1σ	72.9 > As ≥ 23.8

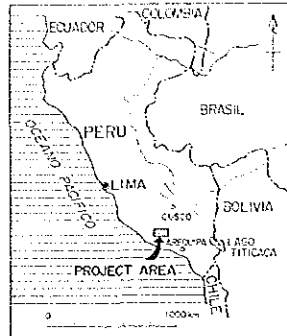



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16200

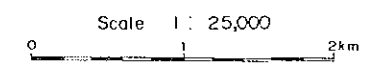
MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE II)

GEOCHEMICAL ANOMALY MAP OF
THE MARCABAMBA AREA
(Cu)



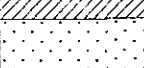
LOCATION INDEX

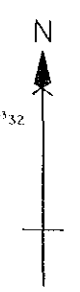
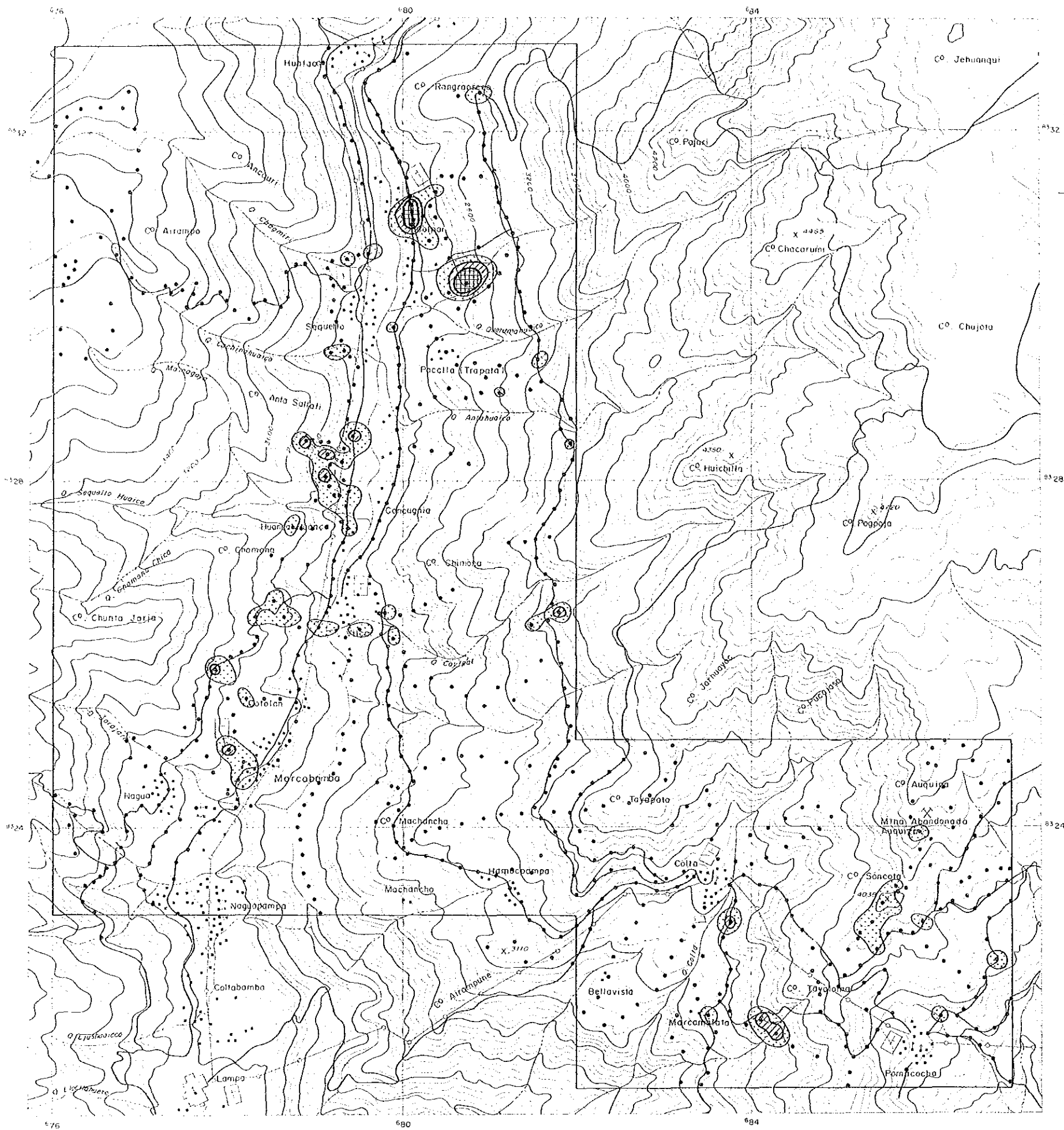



JAPAN INTERNATIONAL COOPERATION AGENCY
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LEGEND

Symbol	Classification	Contents (in ppm)
	Anomaly A M+30'	Cu ≥ 116.7
	Anomaly B M+20'	116.7 > Cu ≥ 72.5
	High background M+10'	72.5 > Cu ≥ 45.1



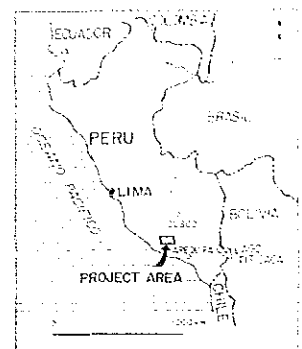
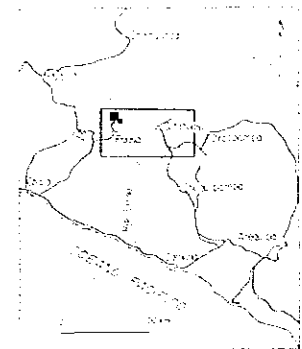
PL 13-(6)

MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE II)

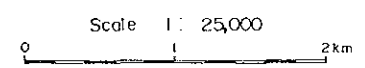
国務院地質研究所
16200
國務院地質研究所

GEOCHEMICAL ANOMALY MAP OF THE MARCABAMBA AREA (Zn)

1:25,000

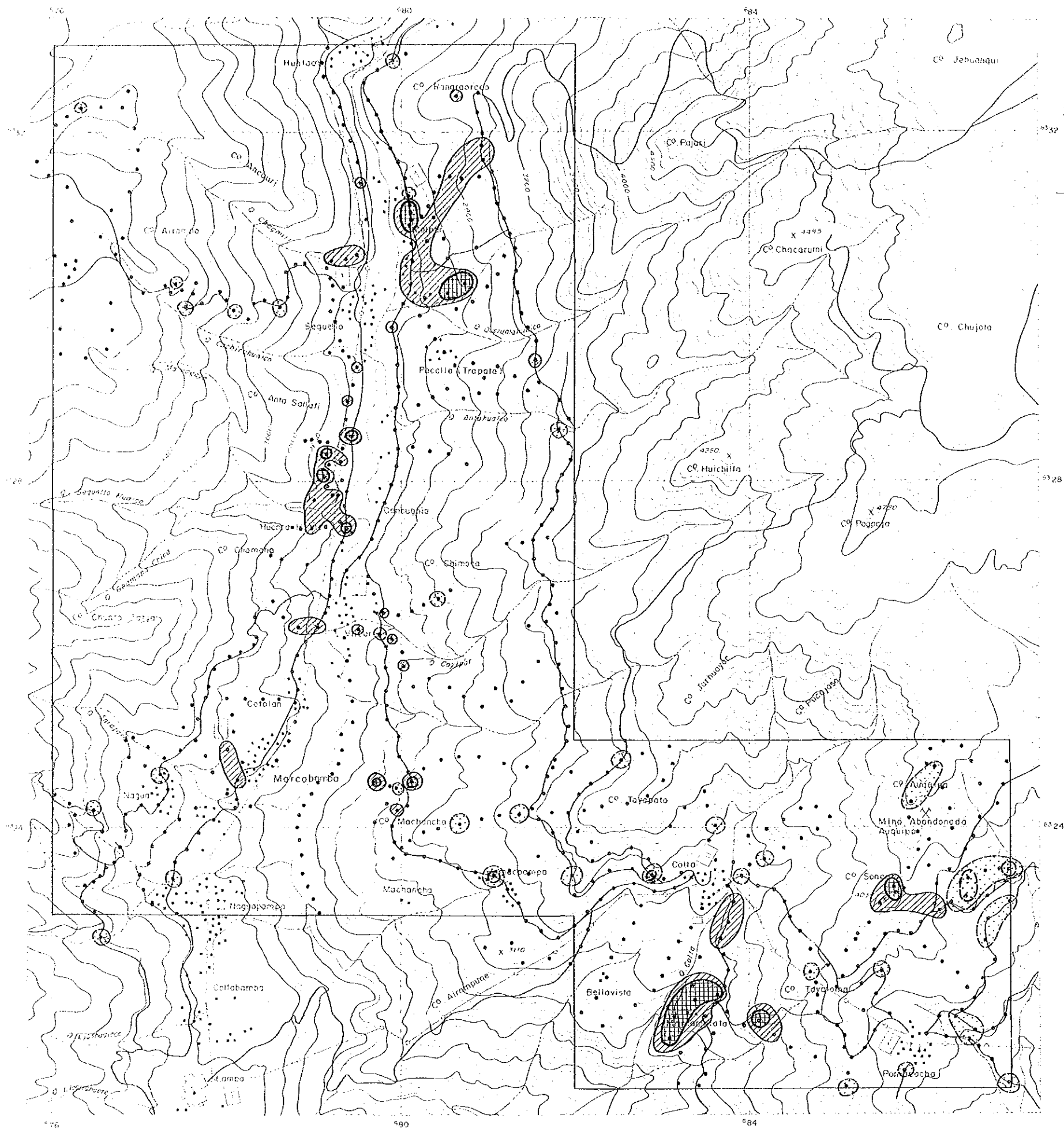



JAPAN INTERNATIONAL COOPERATION AGENCY
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LEGEND

Symbol	Classification	Contents (in ppm)
	↑ Anomaly A M+3σ	Zn ≥ 278.4
	↑ Anomaly B M+2σ	278.4 > Zn ≥ 174.6
	↑ High background M+1σ	174.6 > Zn ≥ 109.6

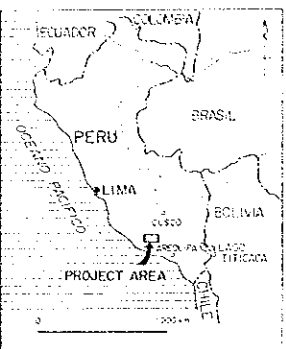
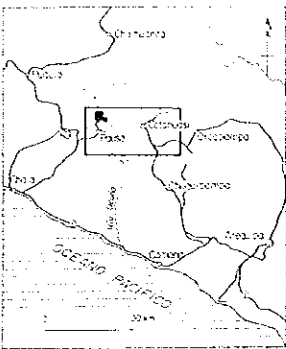


PL-14-(1)

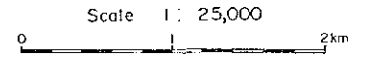
MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE II)

GEOCHEMICAL ANOMALY MAP
BY PRINCIPAL COMPONENT ANALYSIS,
MARCABAMBA AREA
(FIRST: Z1)

LOCATION INDEX

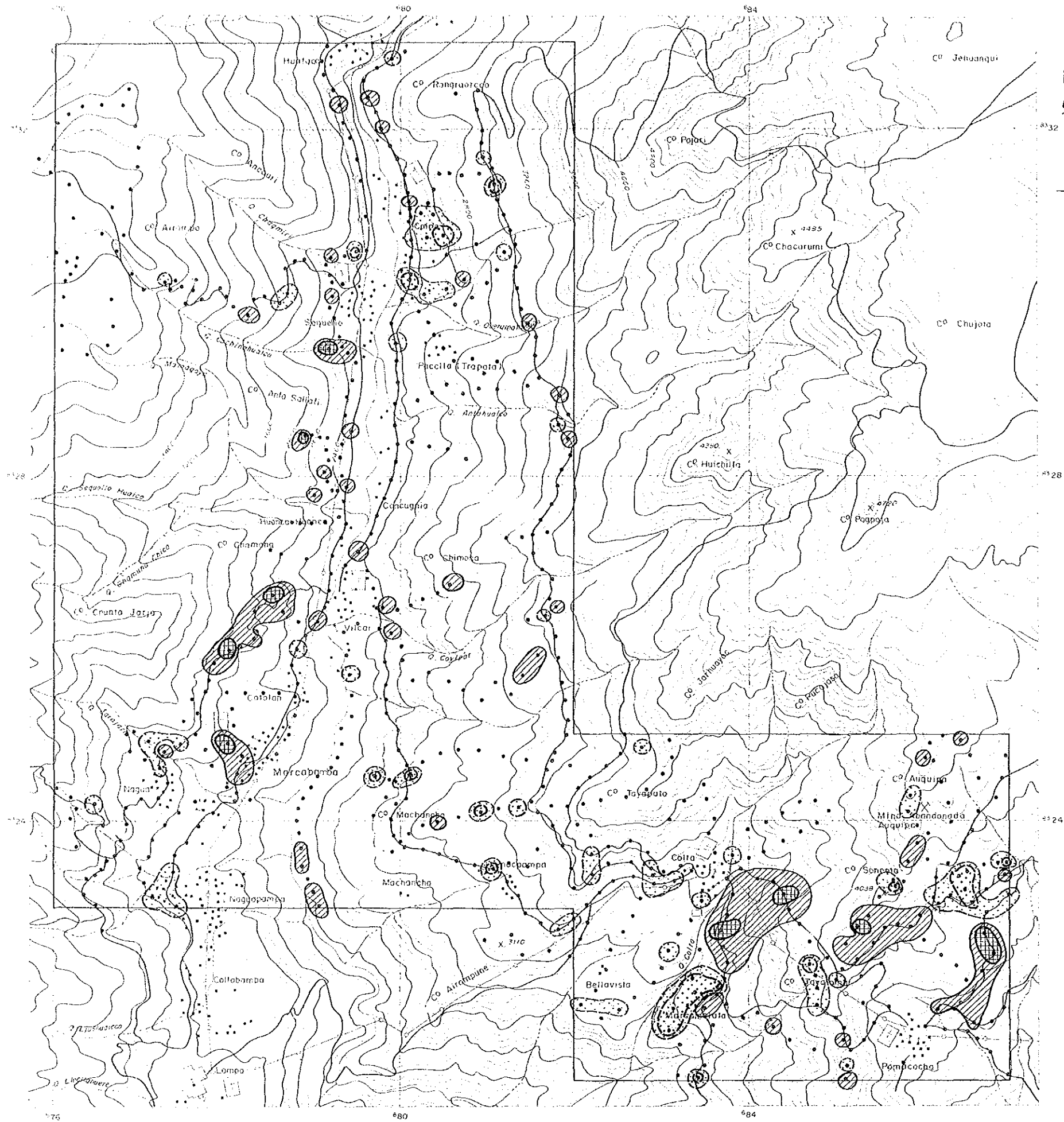



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
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LEGEND

Symbol	Score	Classification
	M+26 3.75	+ Anomaly
	M+6 1.88	+ High background
	M 0	Background
	M-6 -1.88	- High background
	M-26 -3.75	- Anomaly



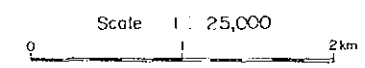
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16200
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MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE II)

GEOCHEMICAL ANOMALY MAP
BY PRINCIPAL COMPONENT ANALYSIS,
MARCABAMBA AREA
(SECOND :Z₂)

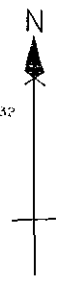
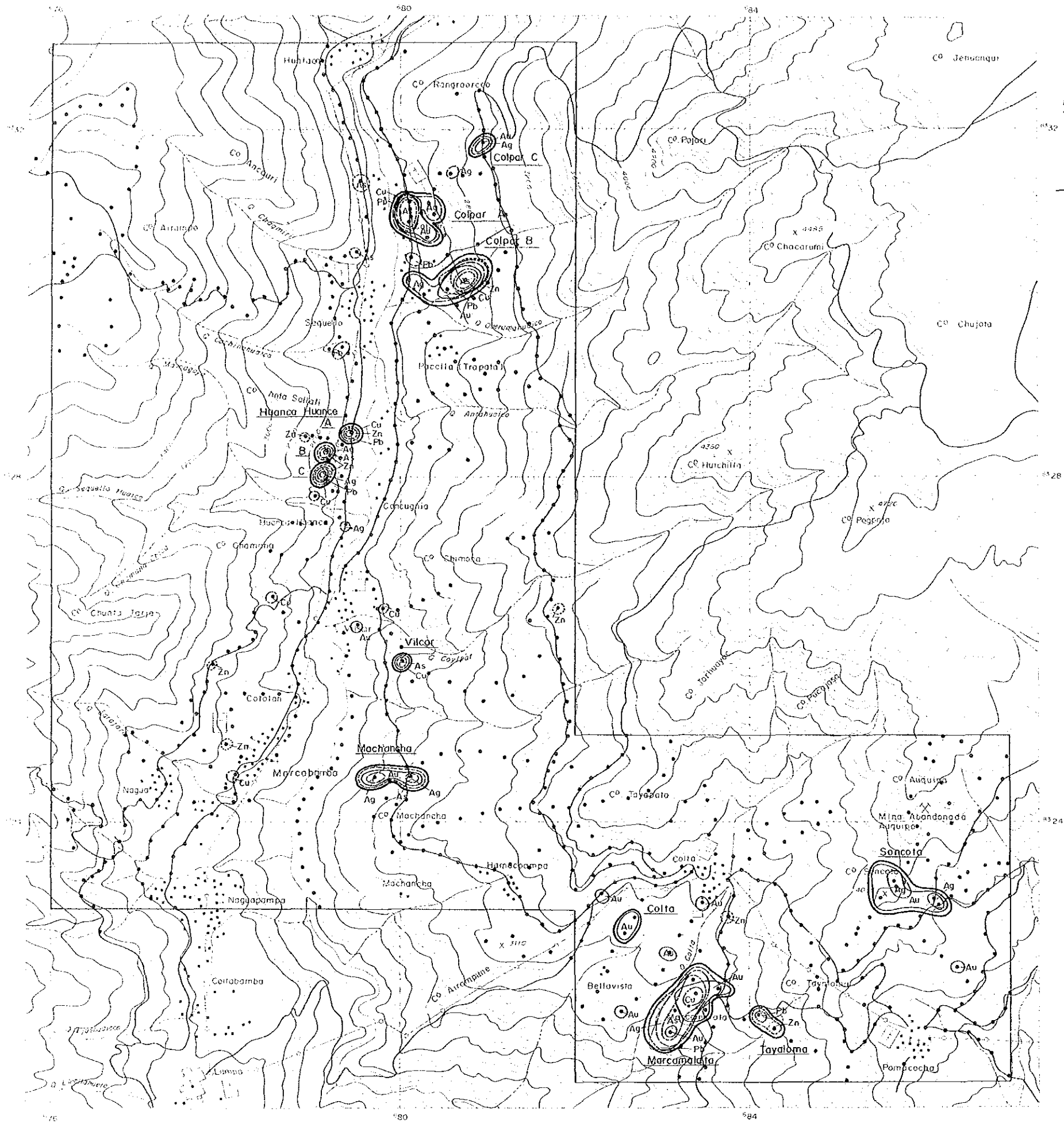
LOCATION INDEX

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LEGEND

Symbol	Score	Classification
	M+2σ 1.93	+ Anomaly
	M+σ 0.97	+ High background
	M - 0	Background
	M-σ -0.97	- High background
	M-2σ -1.93	- Anomaly


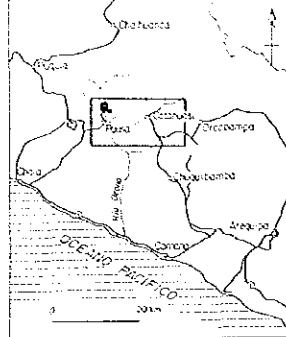


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16200
圖書分類號

MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE I)

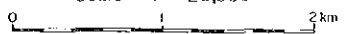
**GEOCHEMICAL INTERPRETATION MAP OF
THE MARCABAMBA AREA
(6 ELEMENTS)**

LOCATION INDEX

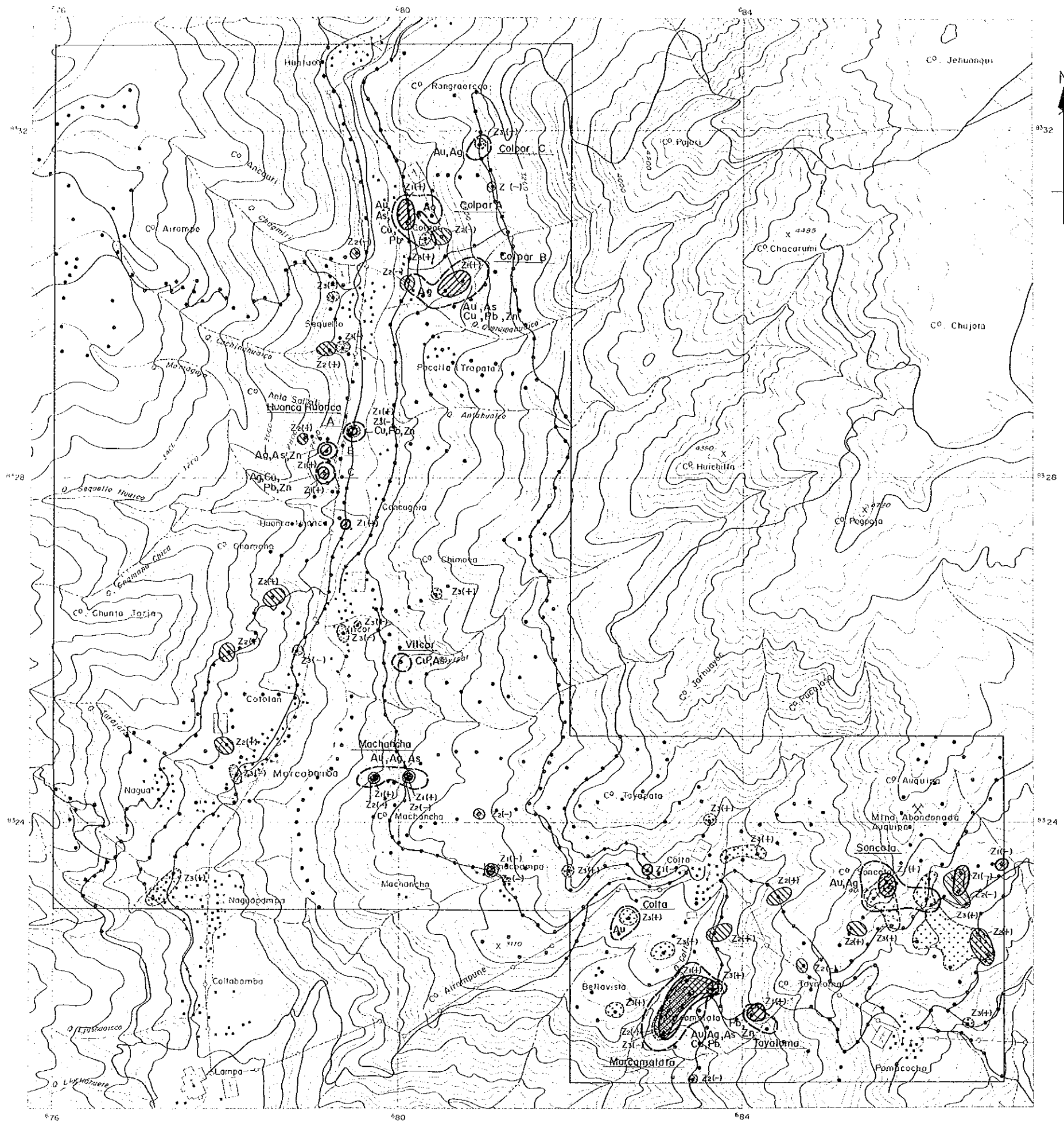
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
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Scale 1 : 25,000



LEGEND

- Anomaly Zone
- Vilcar** Name of Anomaly Zone
- Au Anomaly : Au \geq 73.0 ppb
- Ag Anomaly : Ag \geq 1.15 ppm
- As Anomaly : As \geq 72.9 ppm
- Cu Anomaly : Cu \geq 72.5 ppm
- Pb Anomaly : Pb \geq 83.9 ppm
- Zn Anomaly : Zn \geq 174.6 ppm





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163 162 161

MINERAL EXPLORATION
IN
COTAHUASI AREA
(PHASE II)

**GEOCHEMICAL INTERPRETATION MAP OF
THE MARCABAMBA AREA
(COMPOSITE DATA)**








LOCATION INDEX

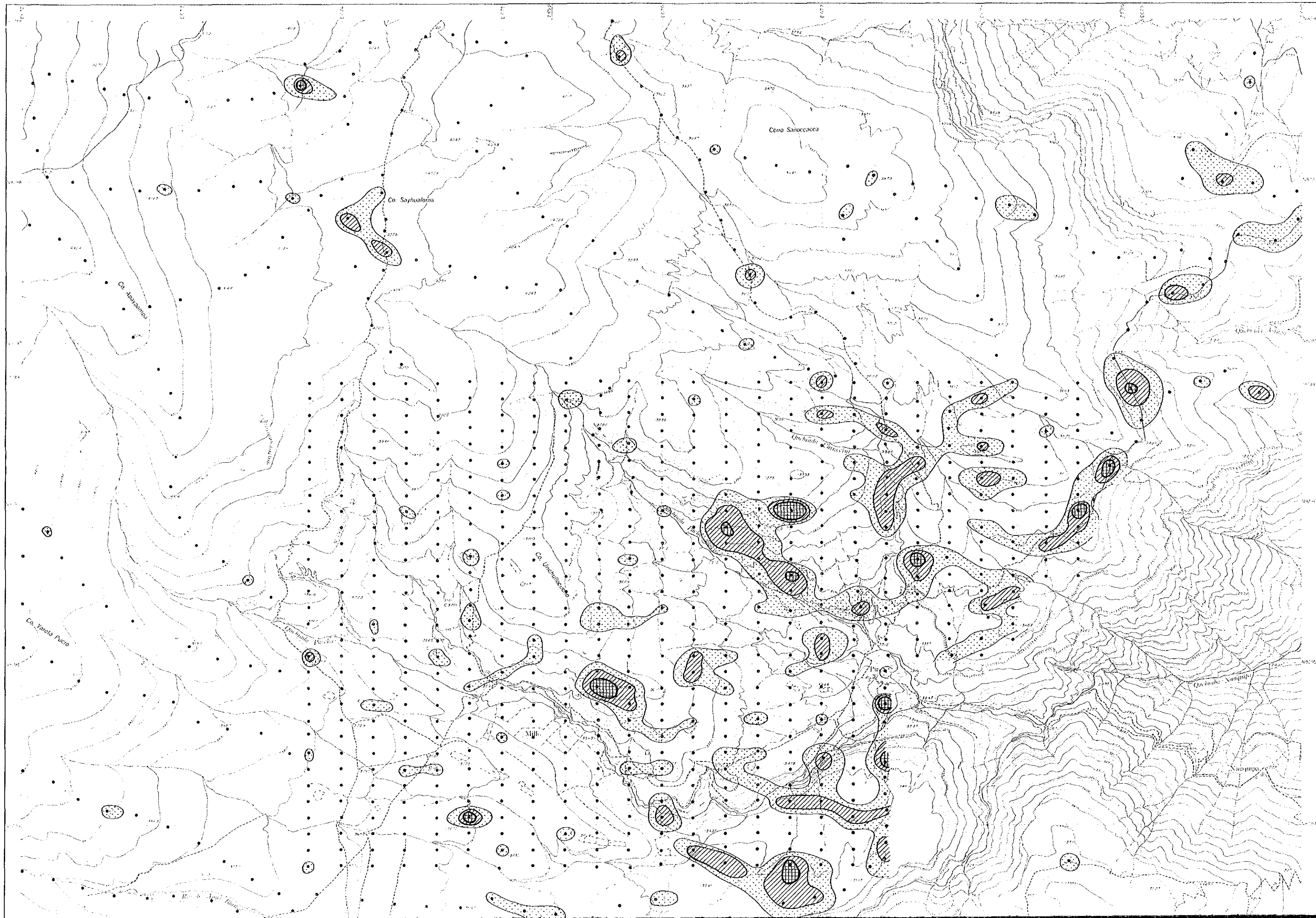



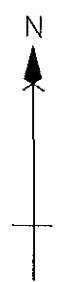
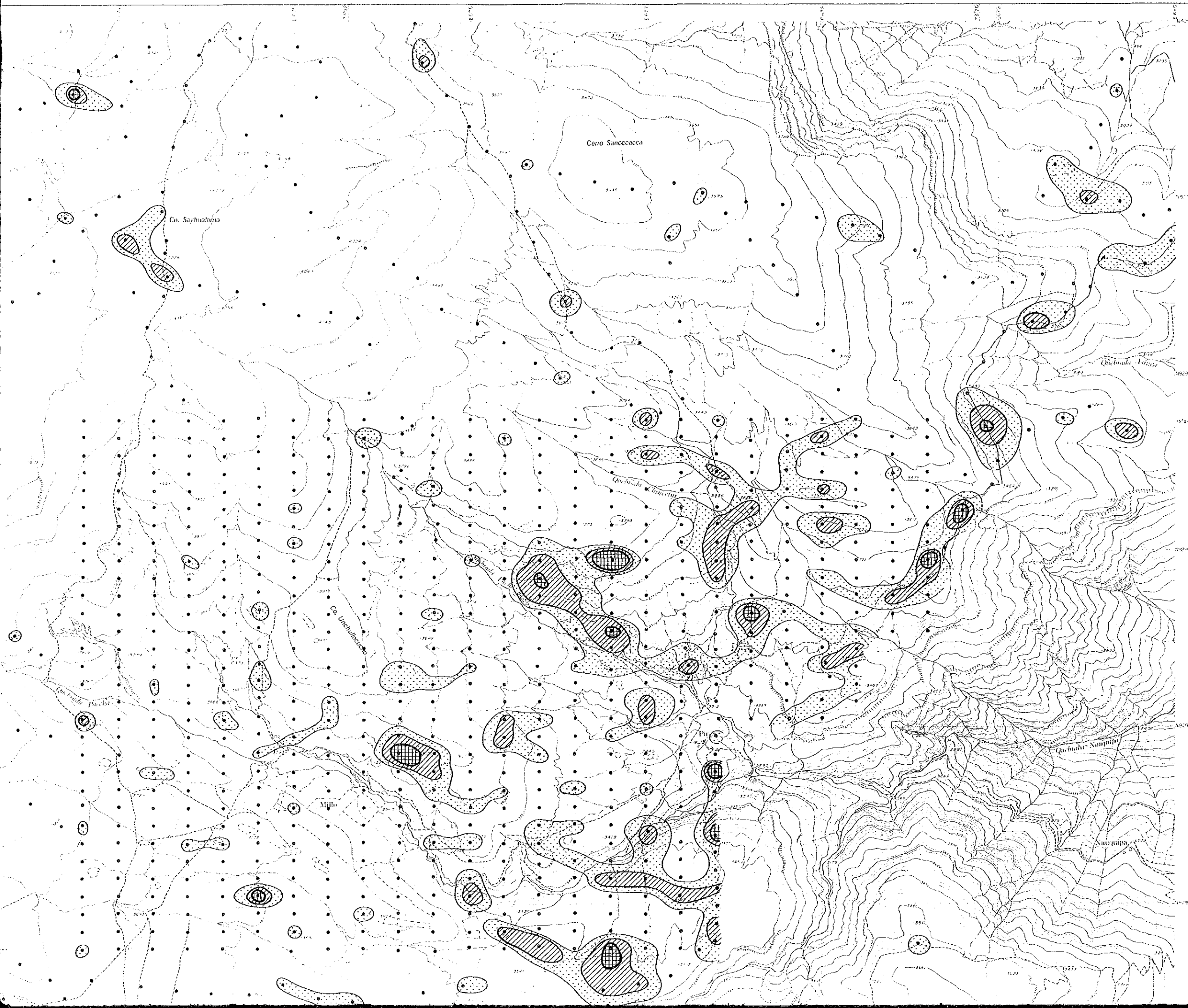
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
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February 1987

Scale 1 : 25,000
0 2km

LEGEND

- Geochemical Anomaly
<Univariate Analysis>
-  Anomaly Zone and Anomalous Elements
 - Colpar A Name of Anomaly Zone
- <Principal Components Analysis>
- 1st Principal Component
 -  Z1(+) + Anomaly
 -  Z1(-) - Anomaly
 - 2nd Principal Component
 -  Z2(+) + Anomaly
 -  Z2(-) - Anomaly
 - 3rd Principal Component
 -  Z3(+) + Anomaly
 -  Z3(-) - Anomaly




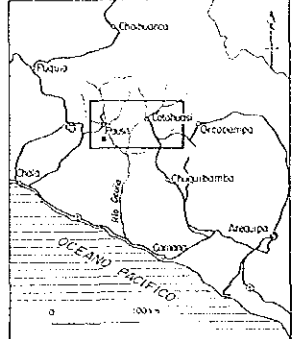


PL-18-11
 16200
 16200
 16200

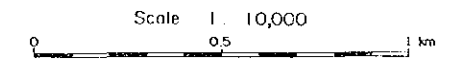
MINERAL EXPLORATION
 IN
 COTAHUASI AREA
 (PHASE I)

GEOCHEMICAL ANOMALY MAP OF
 THE PIRCA EASTERN AREA
 (Au)

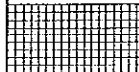
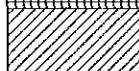
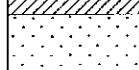
LOCATION INDEX

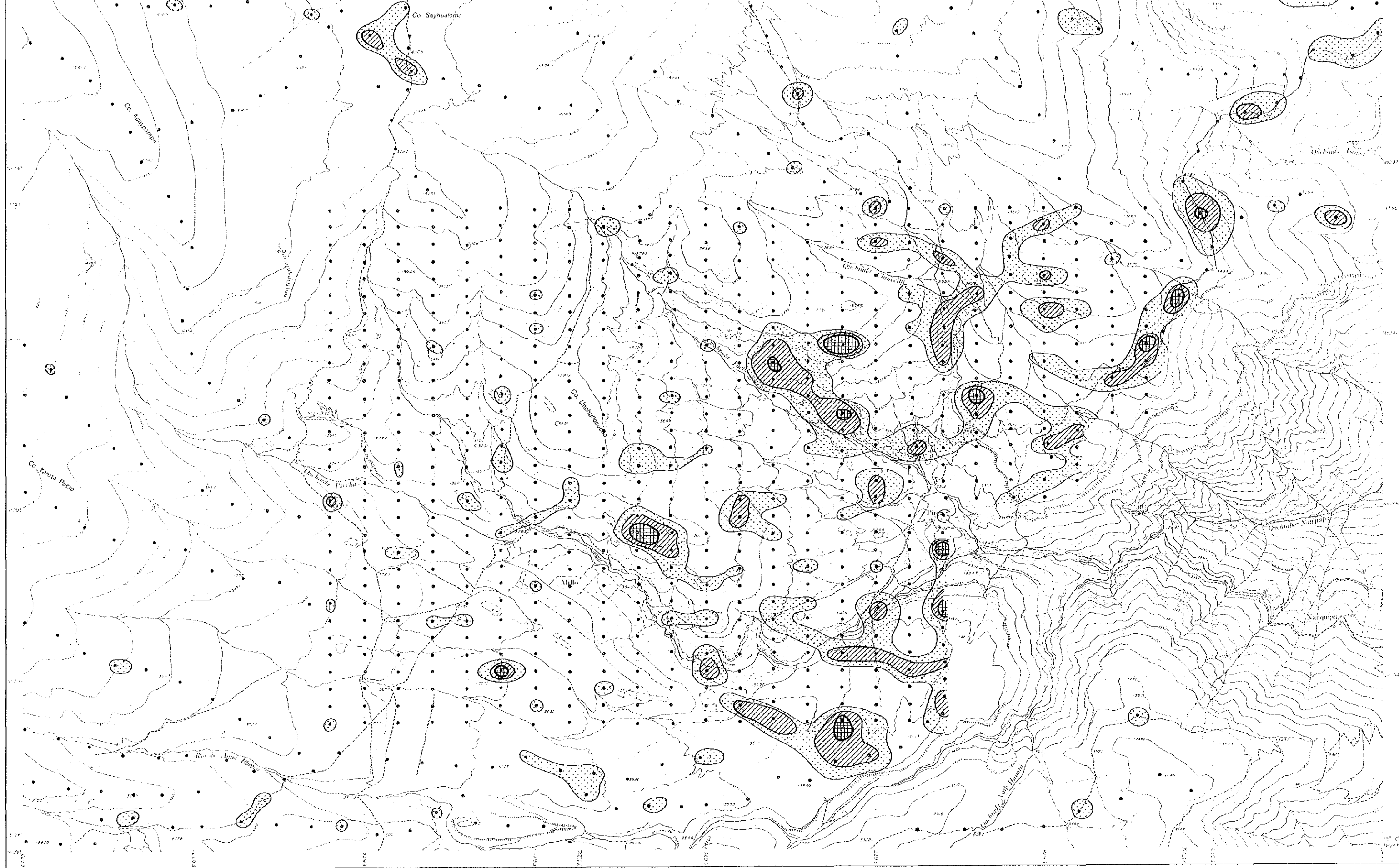



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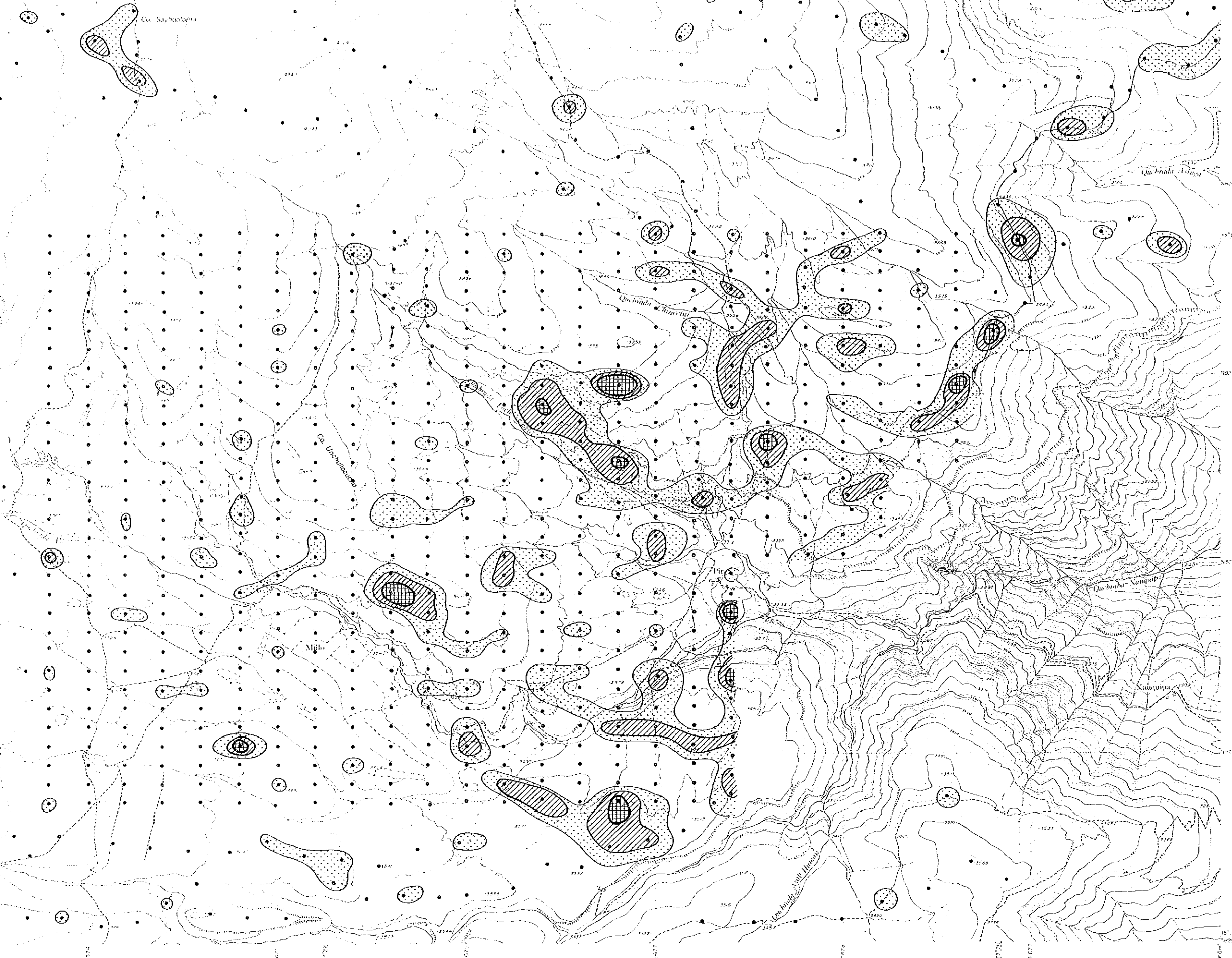


LEGEND

Symbol	Classification	Contents (in ppb)
	Anomaly A M+36	Au ≥ 16.7
	Anomaly B M+26	16.7 > Au ≥ 7.8
	High background M+16	7.8 > Au ≥ 3.6



1:10,000



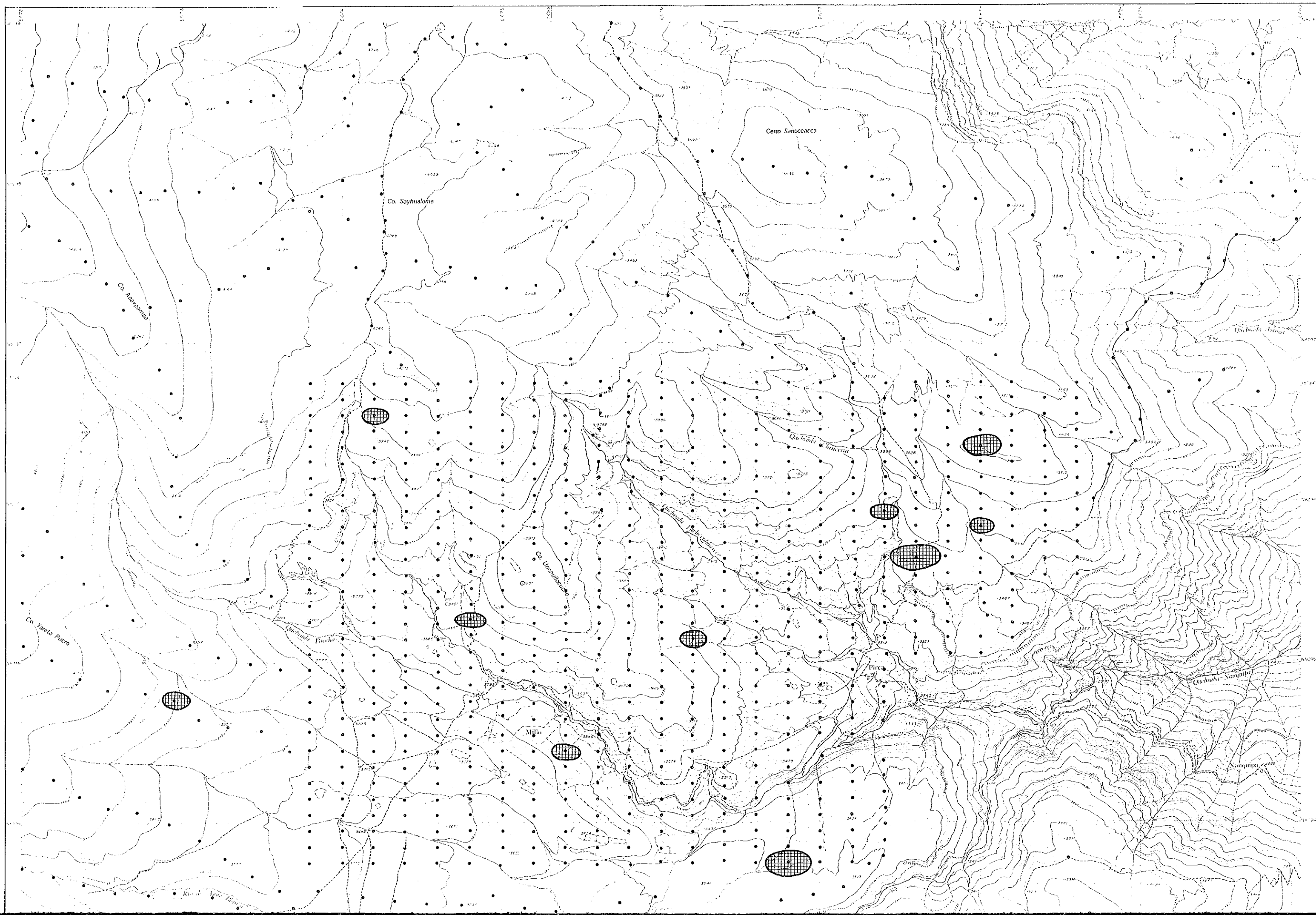
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
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February 1987

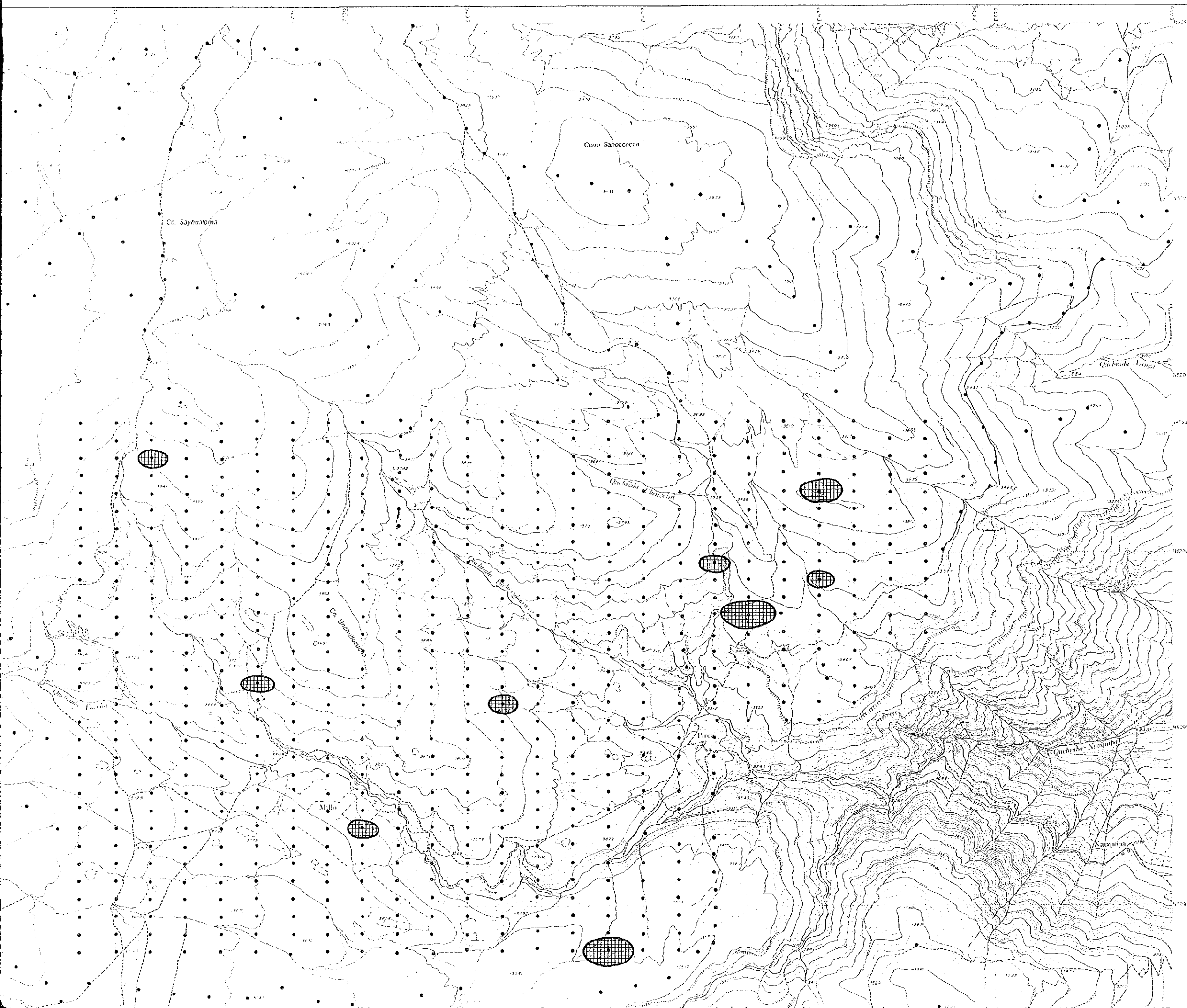
Scale 1:10,000
0 0.5 1 km

LEGEND

Symbol	Classification	Contents (in ppb)
	Anomaly A M+3σ	Au ≥ 16.7
	Anomaly B M+2σ	16.7 > Au ≥ 7.8
	High background M+1σ	7.8 > Au ≥ 3.6

1:10,000







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 国務院力學部
 16200
 國務院力學部

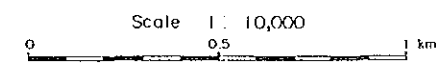
MINERAL EXPLORATION
 IN
 COTAHUASI AREA
 (PHASE I)

GEOCHEMICAL ANOMALY MAP OF
 THE PIRCA EASTERN AREA
 (Ag)

LOCATION INDEX

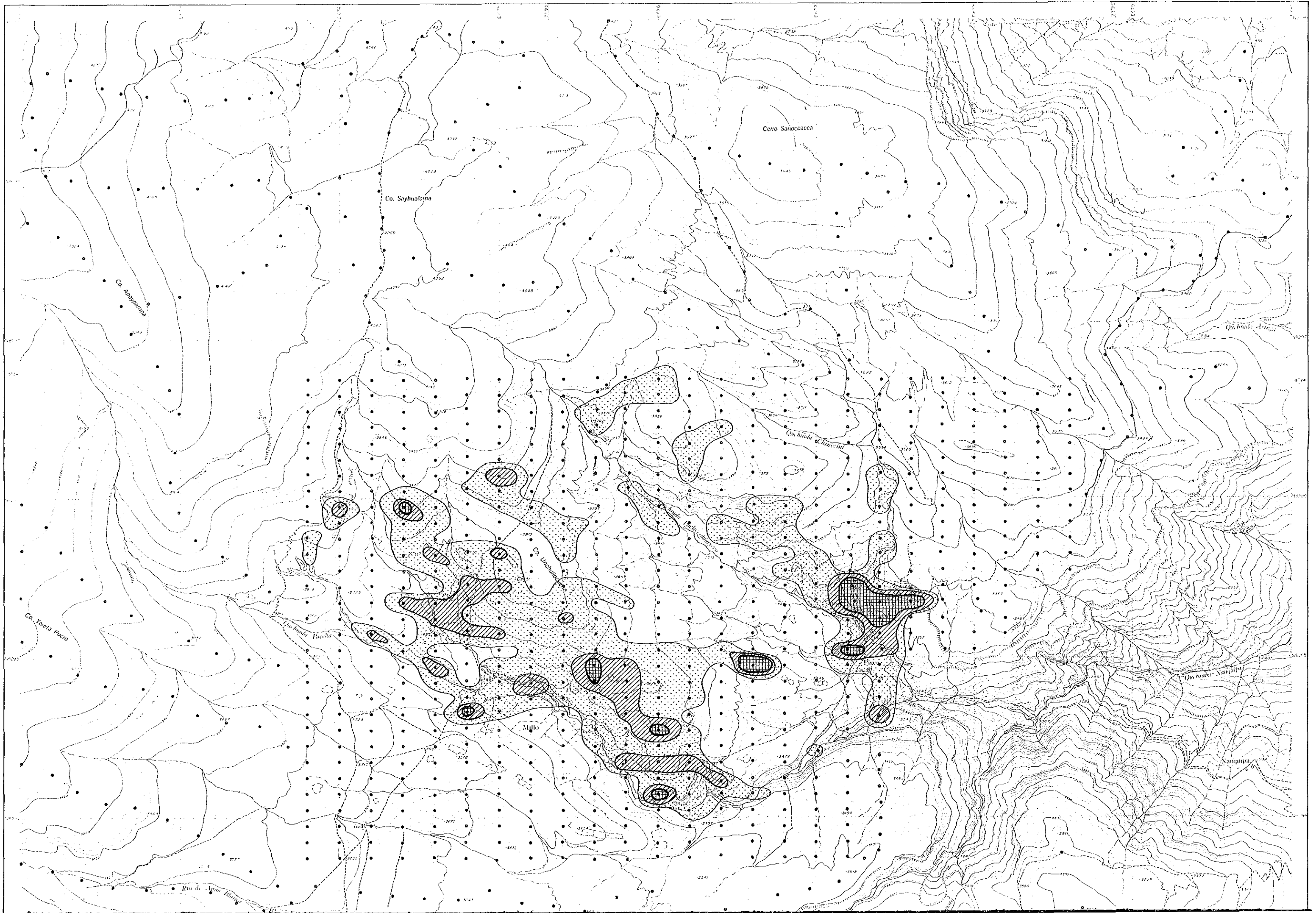



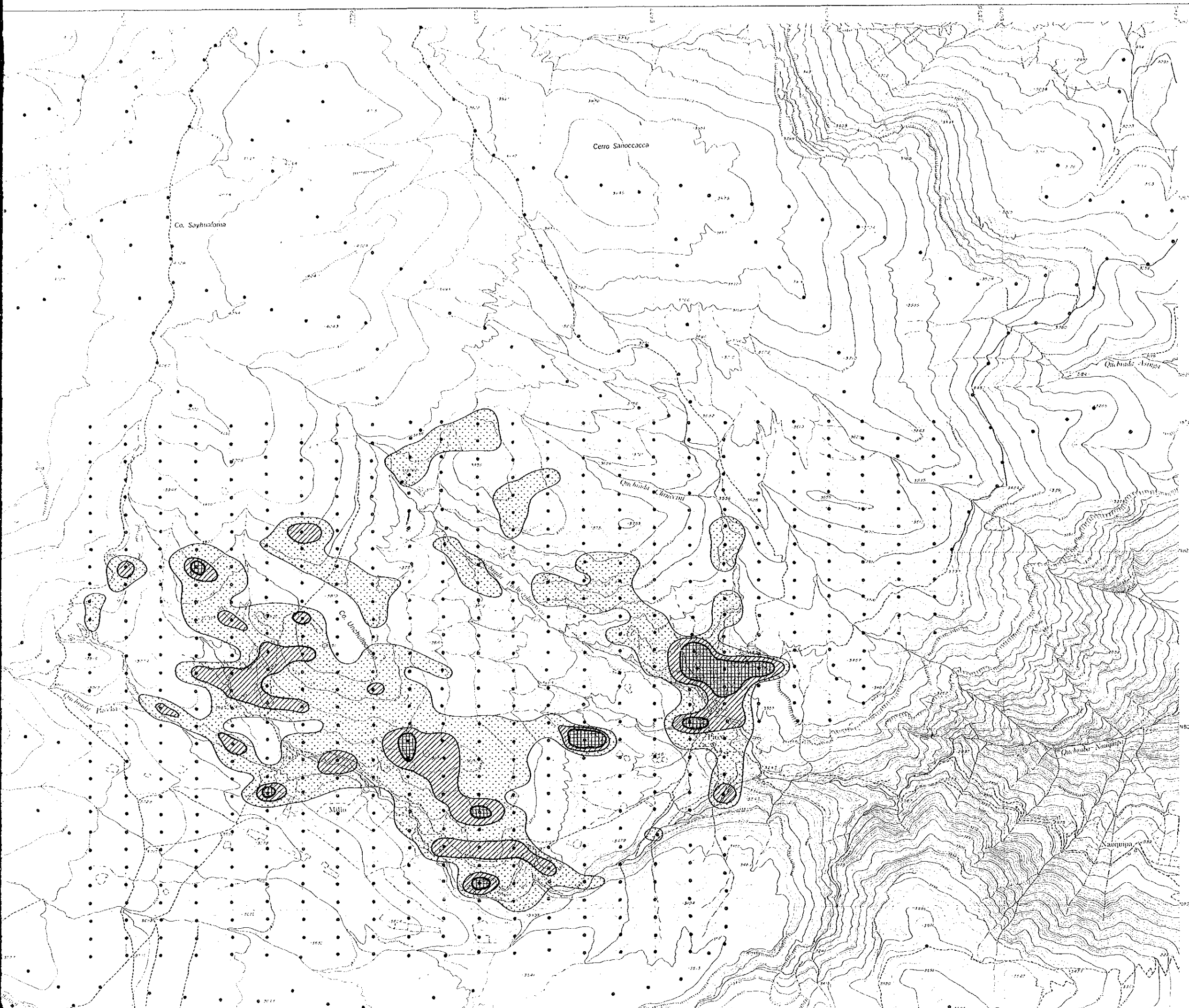
JAPAN INTERNATIONAL COOPERATION AGENCY
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 February 1987



LEGEND

Symbol	Classification	Contents (in ppm)
	Anomaly A M+36	Ag ≥ 0.13



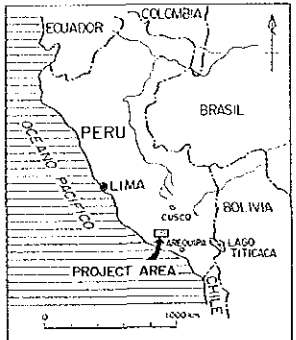
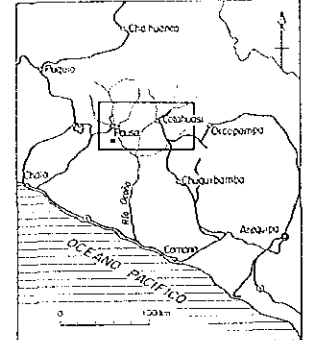


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 1987.02

MINERAL EXPLORATION
 IN
 COTAHUASI AREA
 (PHASE I)

GEOCHEMICAL ANOMALY MAP OF
 THE PIRCA EASTERN AREA
 (As)

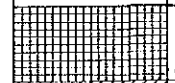
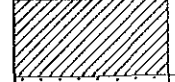

LOCATION INDEX

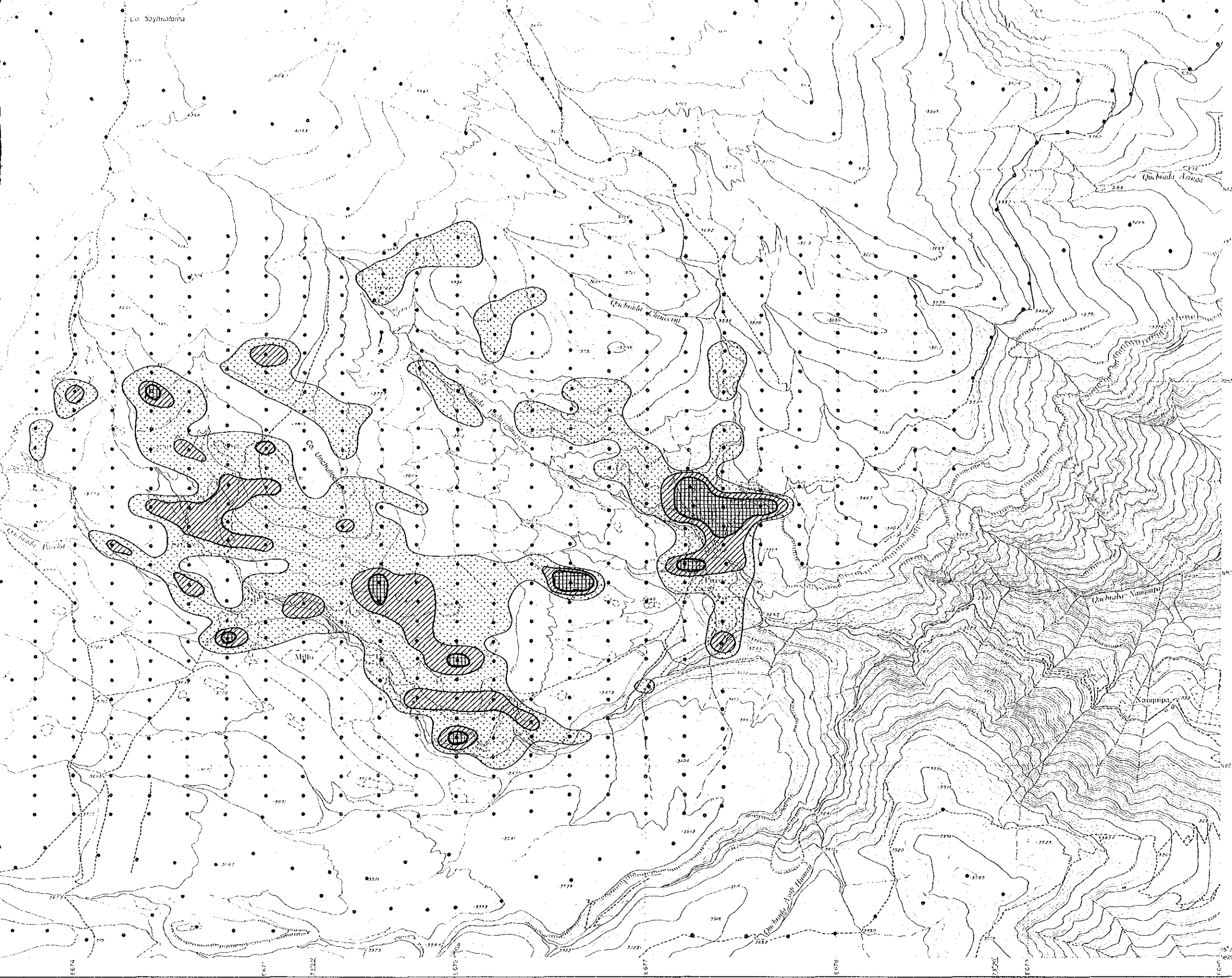



JAPAN INTERNATIONAL COOPERATION AGENCY
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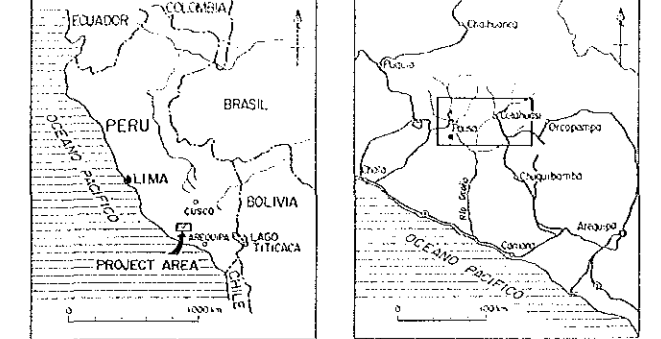
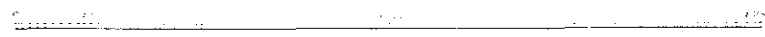
Scale 1 : 10,000
 0 0.5 1 km

LEGEND

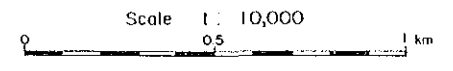
Symbol	Classification	Contents (in ppm)
	Anomaly A M+3σ	As ≥ 113.9
	Anomaly B M+2σ	113.9 > As ≥ 41.7
	High background M+1σ	41.7 > As ≥ 15.3



1:10,000



JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 INSTITUTO GEOLOGICO MINERO Y METALURGICO
 February 1987



LEGEND

Symbol	Classification	Contents (in ppm)
	Anomaly A M+36	As \geq 113.9
	Anomaly B M+26	113.9 > As \geq 41.7
	High background M+16	41.7 > As \geq 15.3