

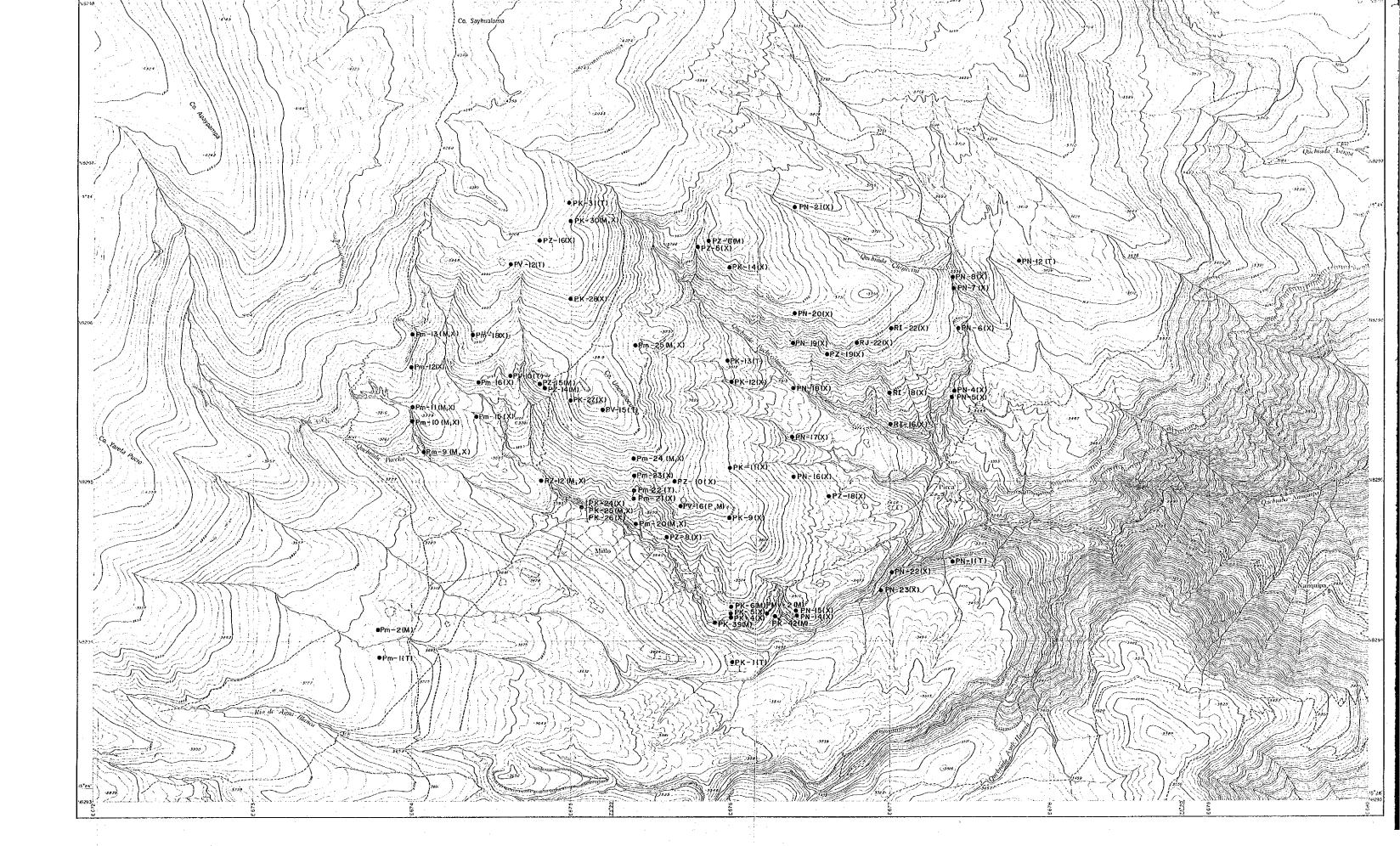
# Scale 1:10,000

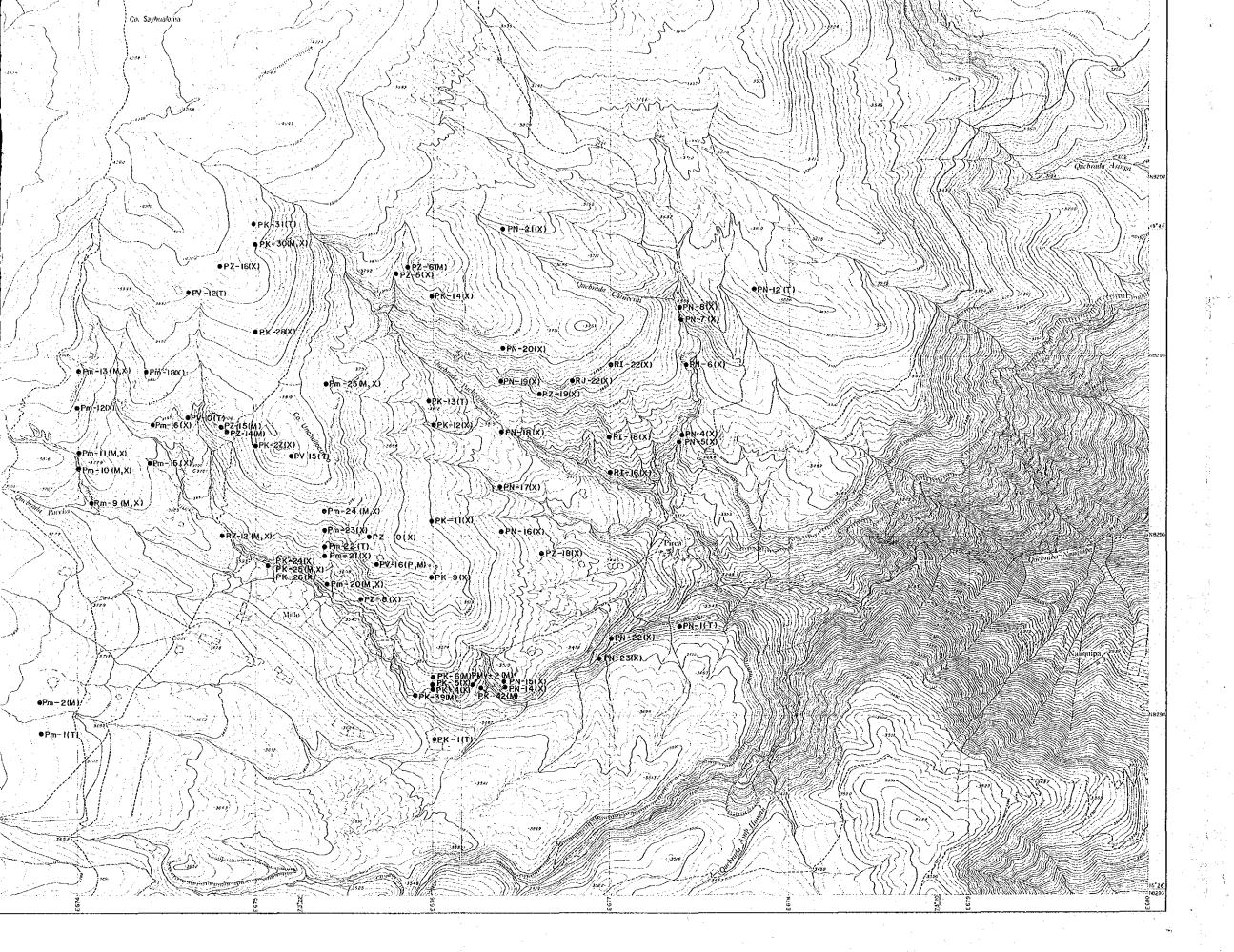
(P) : Polished Section

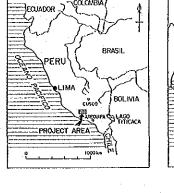
(T) : Thin Section

X) : X—Ray Powder diffraction

(M) : Chemical Analysis of Ore

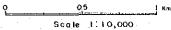








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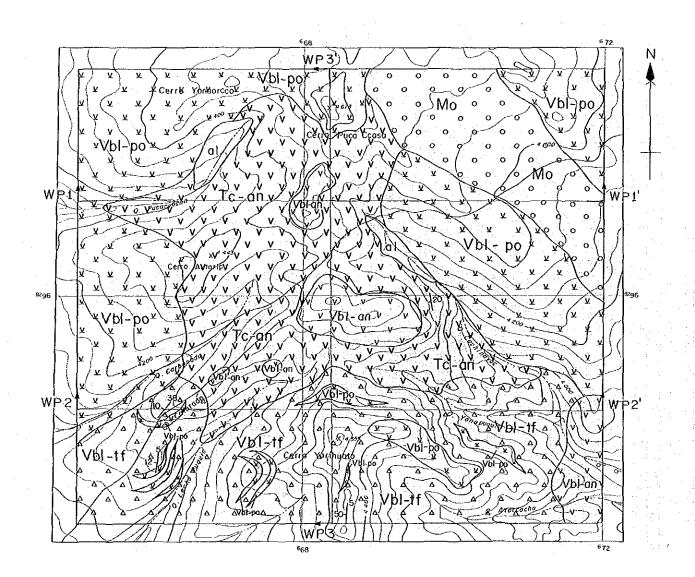
#### LEGEND

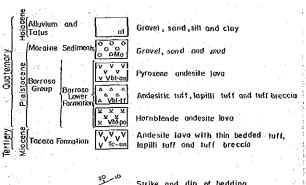
(P) : Polished Section

T) Thin Section

X) : X-Ray Powder diffraction

(M) : Chemical Analysis of Ore

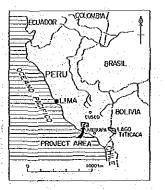




PL. 9 MINERAL EXPLORATION 16201 COTAHUASI AREA (PHASE I ) GEOLOGICAL MAP OF

## THE PIRCA WESTERN AREA

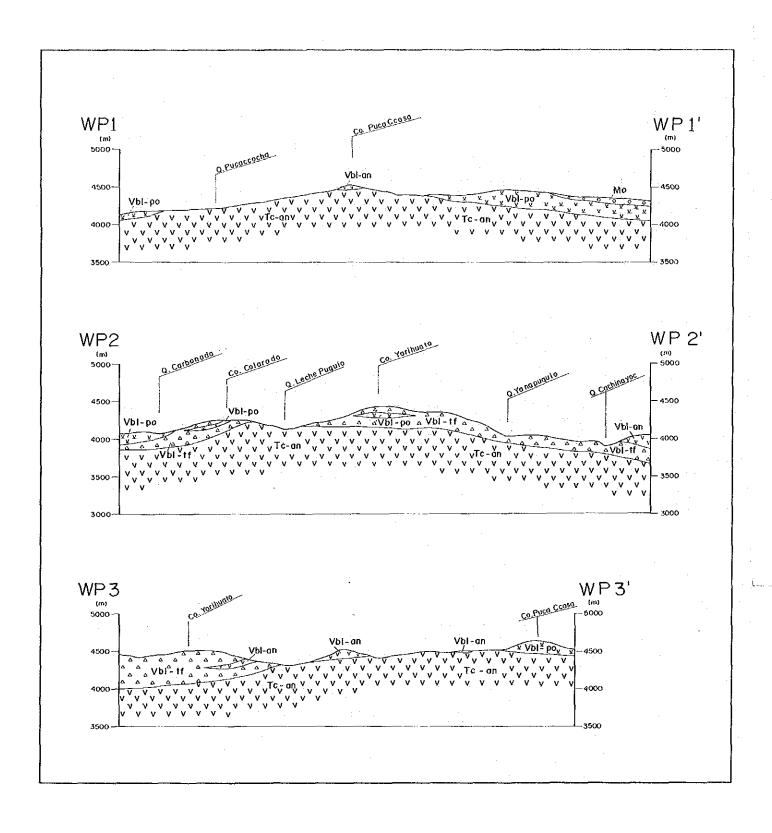
#### LOCATION INDEX

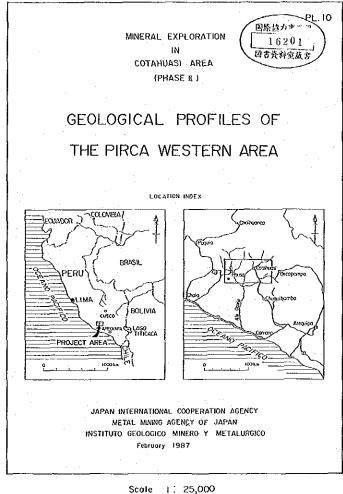


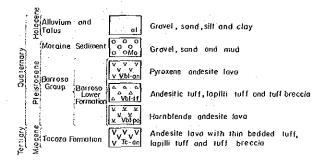


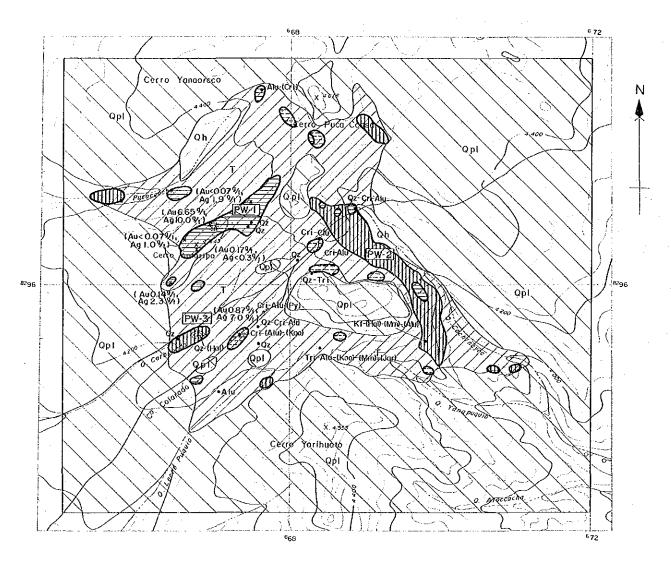
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Scale 1: 25,000









#### Geological System



Quaternary (Holocene) System Quaternary (Pleistocene) System



Tertiory System

Alteration and Mineralization Zones



Mainly silicification



Silicification and argillization



Mainly argillization

#### Mineralization Abbriviation

Oz : quartz Tri : tridymite Cri : 〆-cristbolite

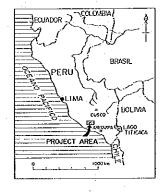
Alu: ofunite Jar: jarosite Hal: halloysite

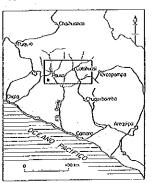
Koo: kaolinite Mm: montmorillonite MINERAL EXPLORATION COTAHUASI AREA (PHASE II)



### LOCATION MAP OF ALTERATION AND MINERALIZATION ZONES OF THE PIRCA WESTERN AREA

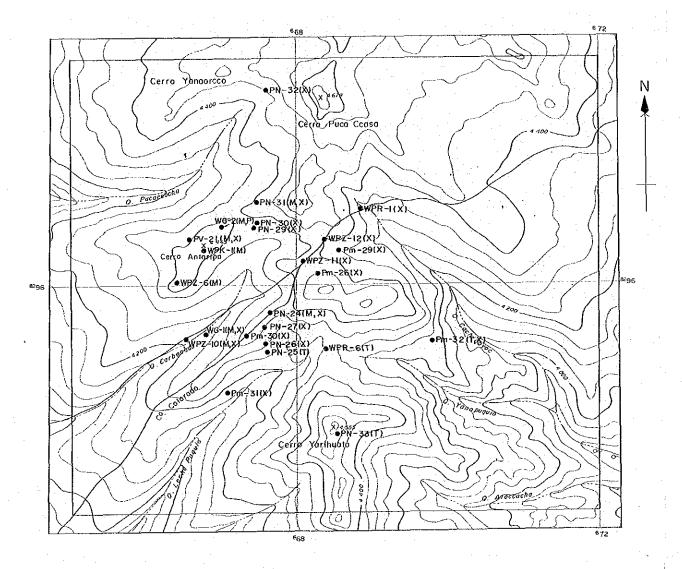
LOCATION INDEX

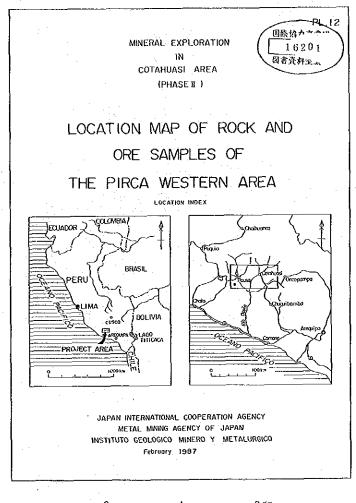




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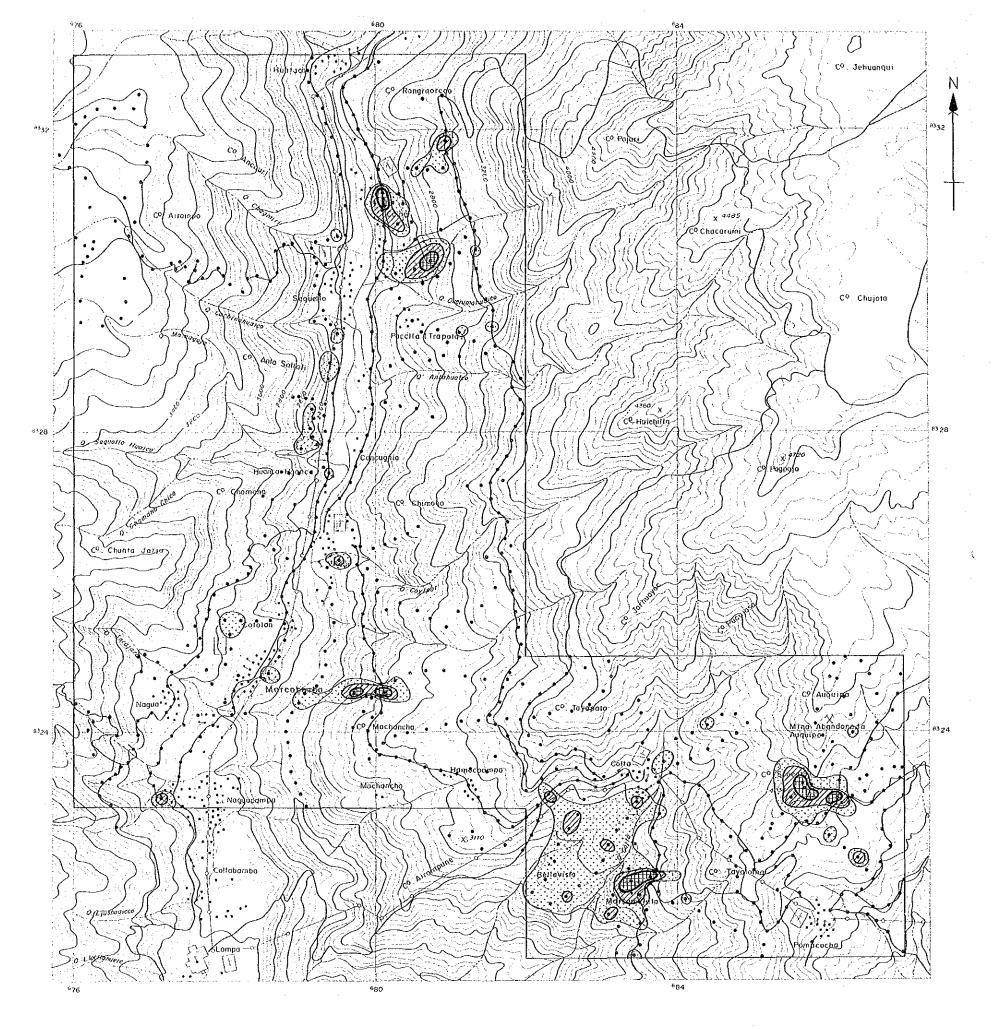


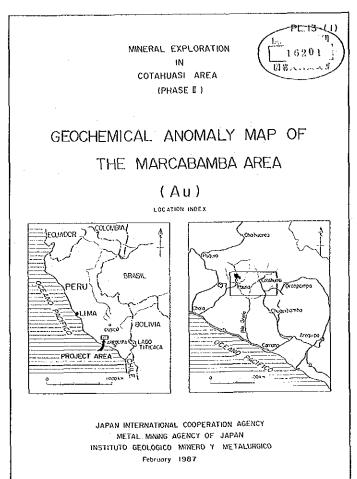


Scale 1:25,000

(P) Polished Section (X) X-Ray Powder diffraction

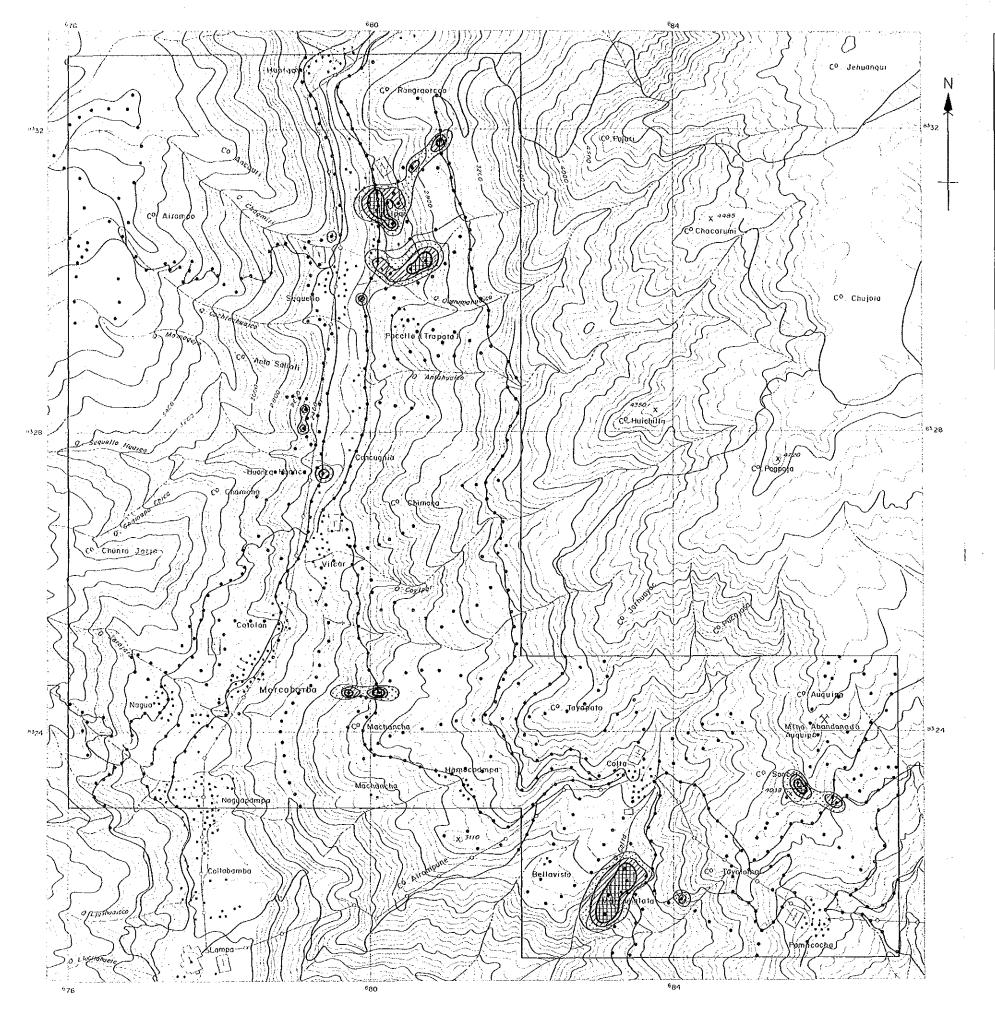
(T) Thin Section (M) Chemical Analysis of Ore

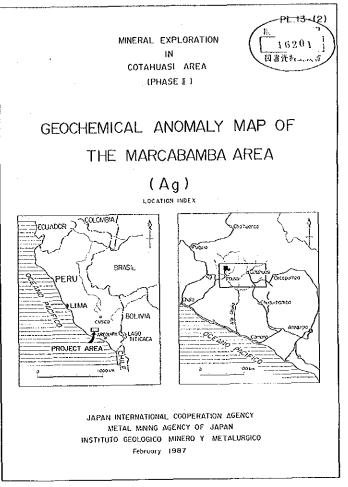




Scale 1: 25,000

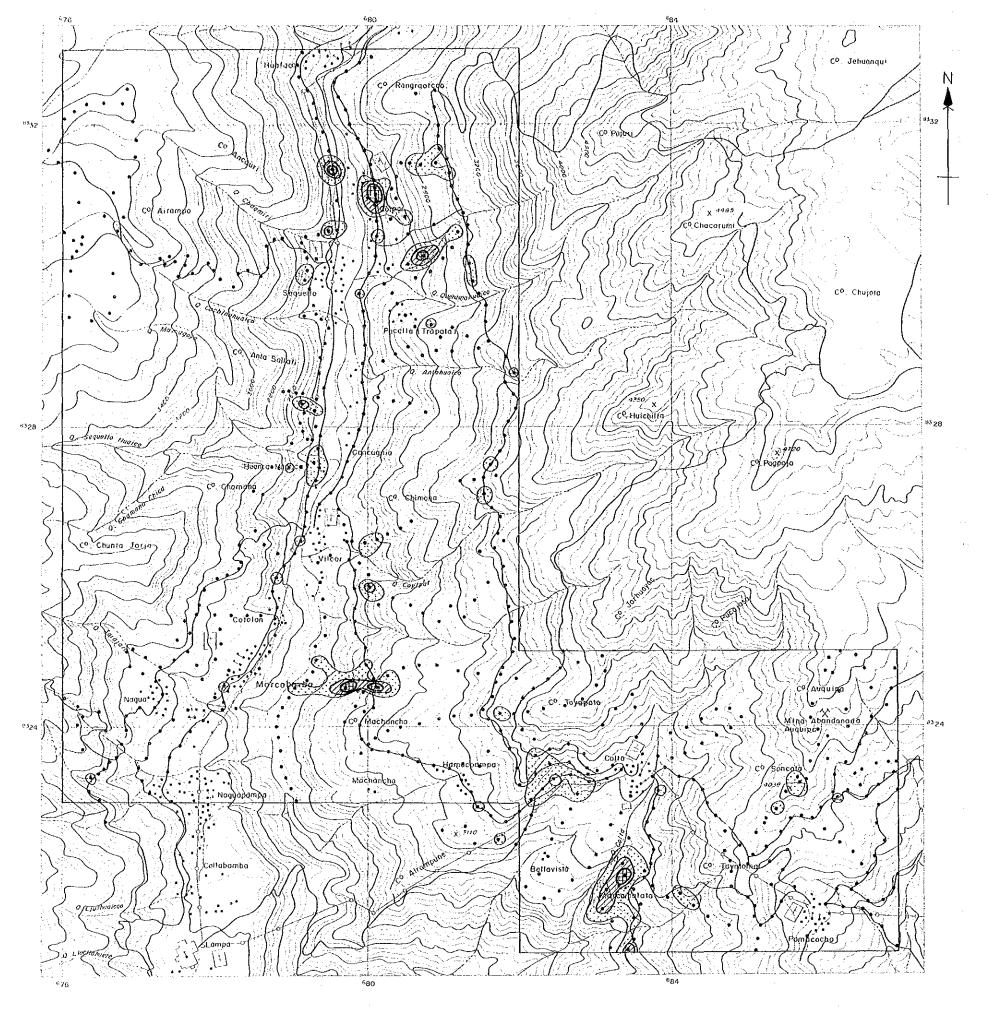
Symbol	Classification	Contents (in ppb)
	Anomaly A M+30	Au ≩ 292.I
	Anomaly B M+20	292.1 > Au 🚶 73.0
	High background M+10	73.0 > Au } 18.2

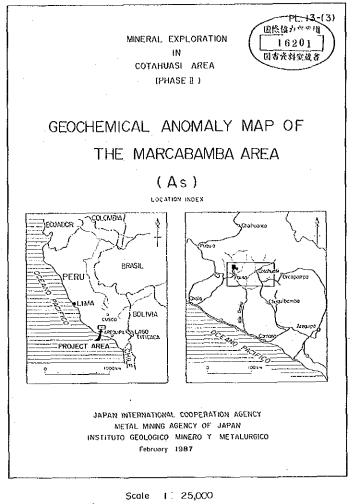




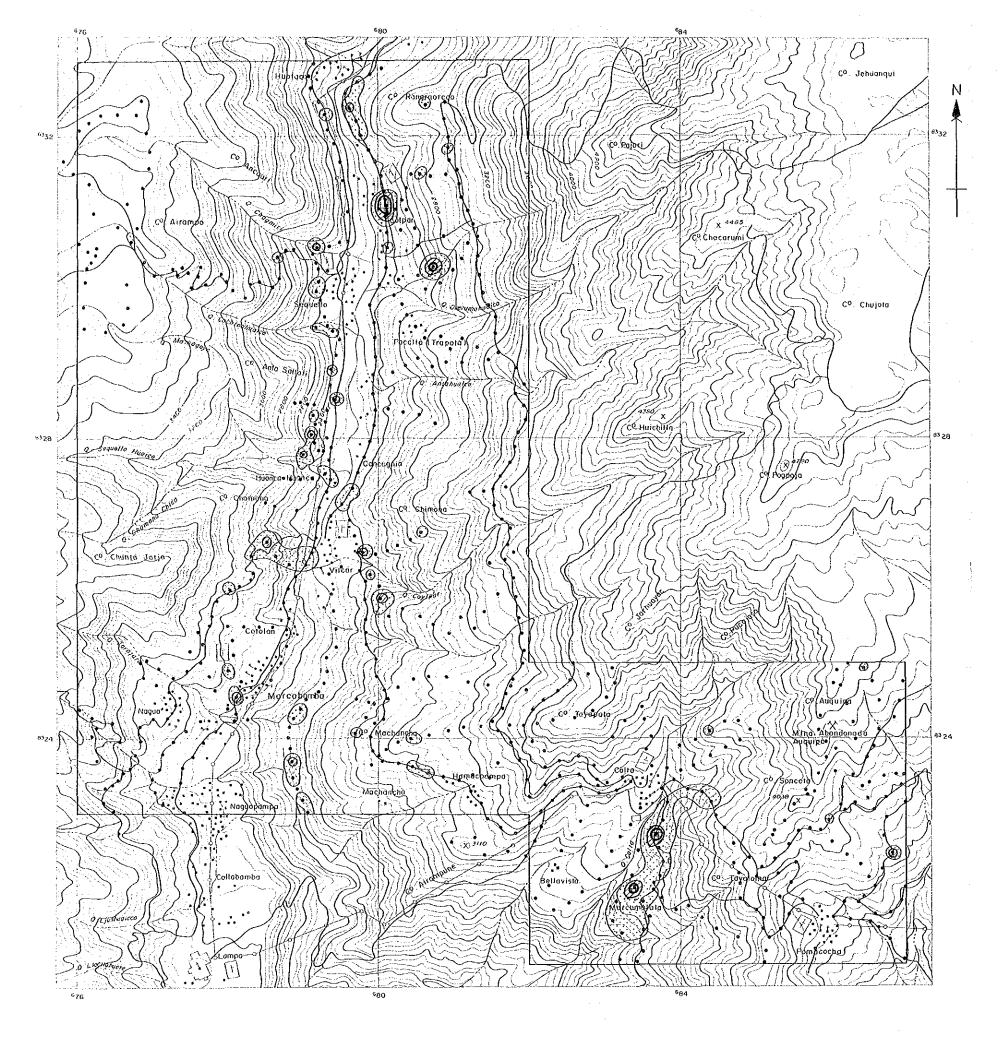
Scale 1 25,000

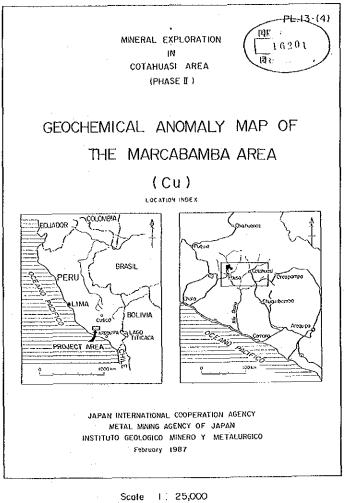
Symbol Classification	Contents (in ppm)
Anomoly A M+30	Ag } 3.18
Anomaly B M+20	3.18 > Ag 2 1.15
High background	1.15 > Ag ≩ 0.42



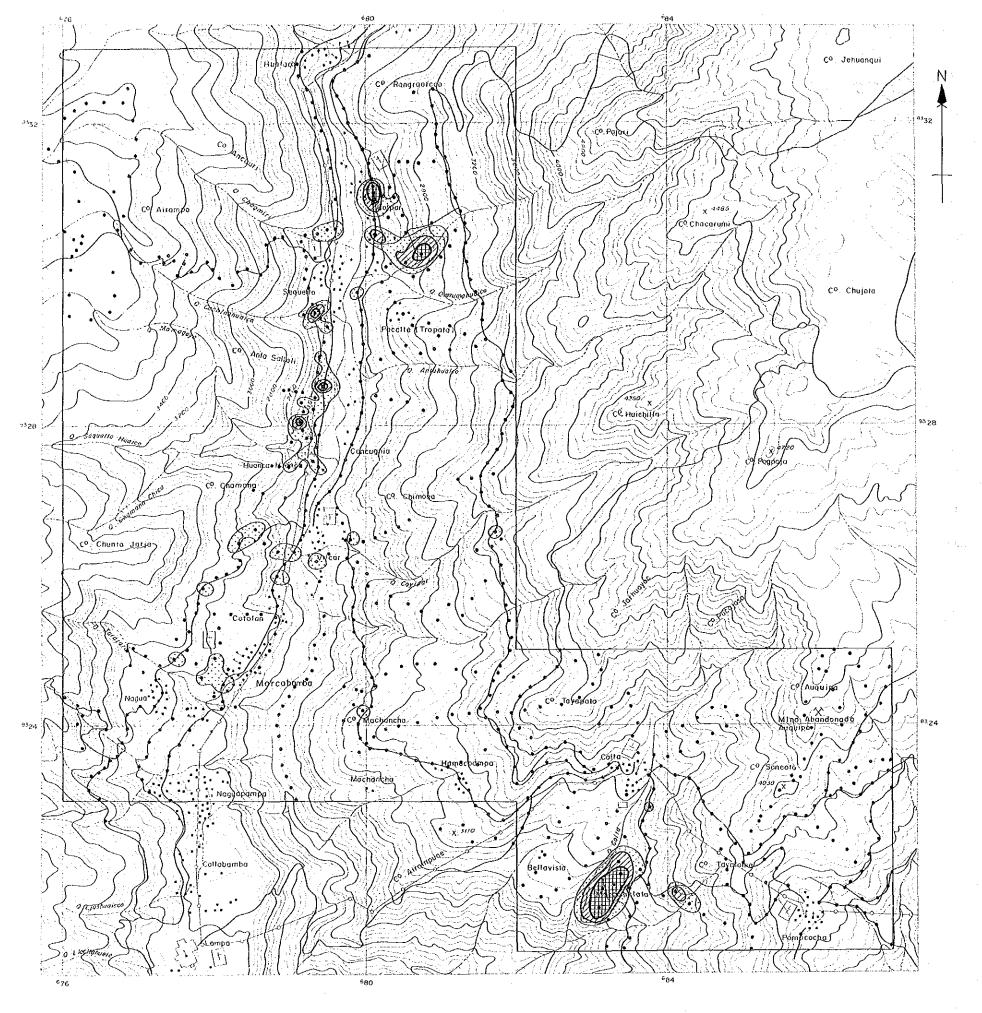


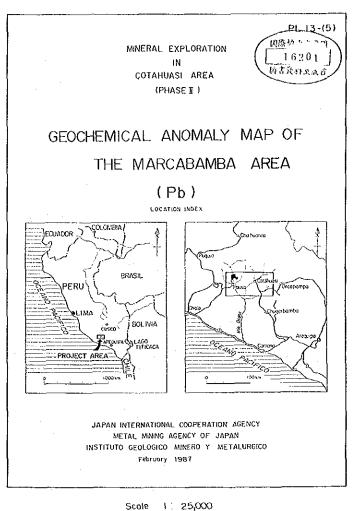
Symbol	Classification	Contents (in ppm)
	Anomaly A	As ₹ 223.4
	Anomaly B	223.4 > As } 72.9
	High background M+10	72.9 > As 🗦 23.8



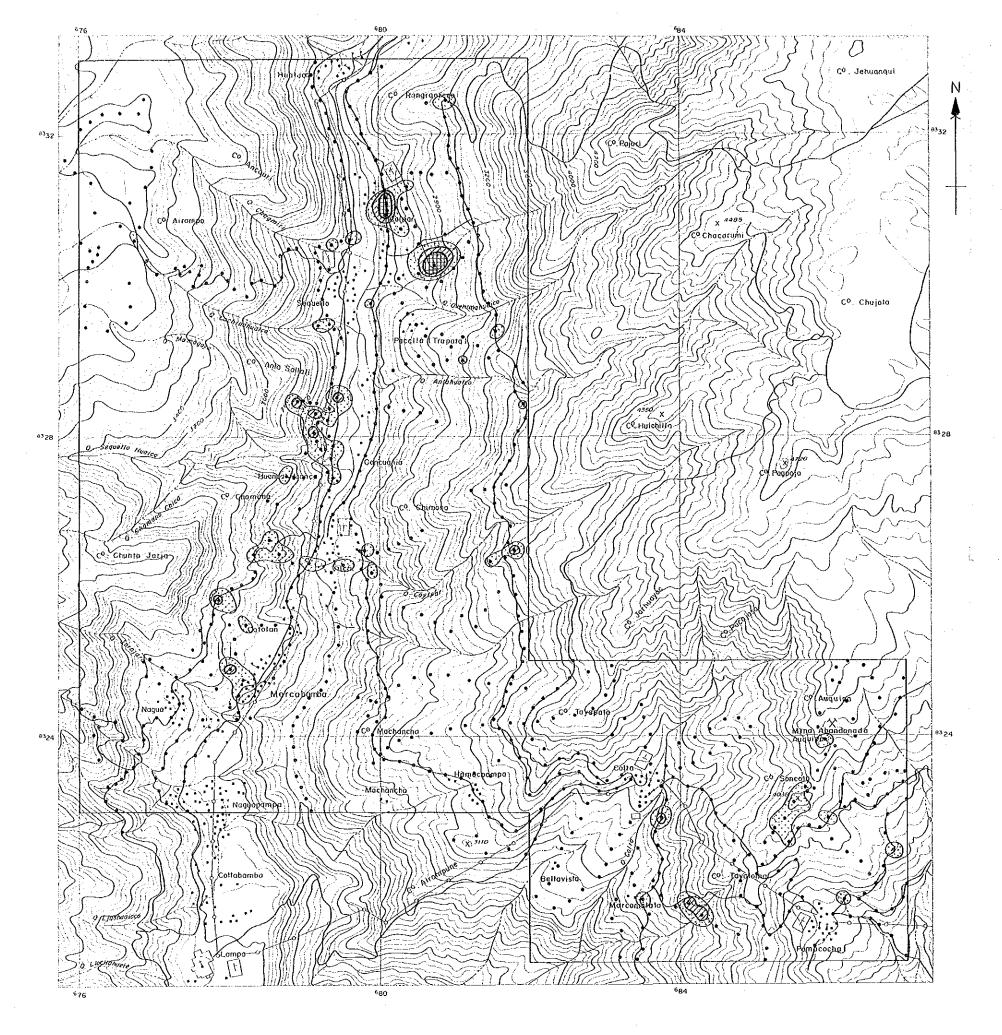


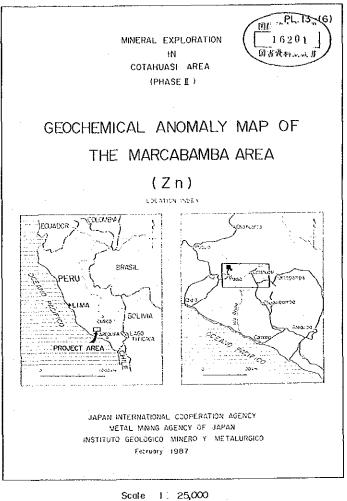
Symbol	Classification	Contents (in ppm)
	Anomaly A	Cu ≩ 116.7
	Anomaly 8	116.7 > Cu ≩ 72.5
	High background	72.5> Cu ≩ 45.1



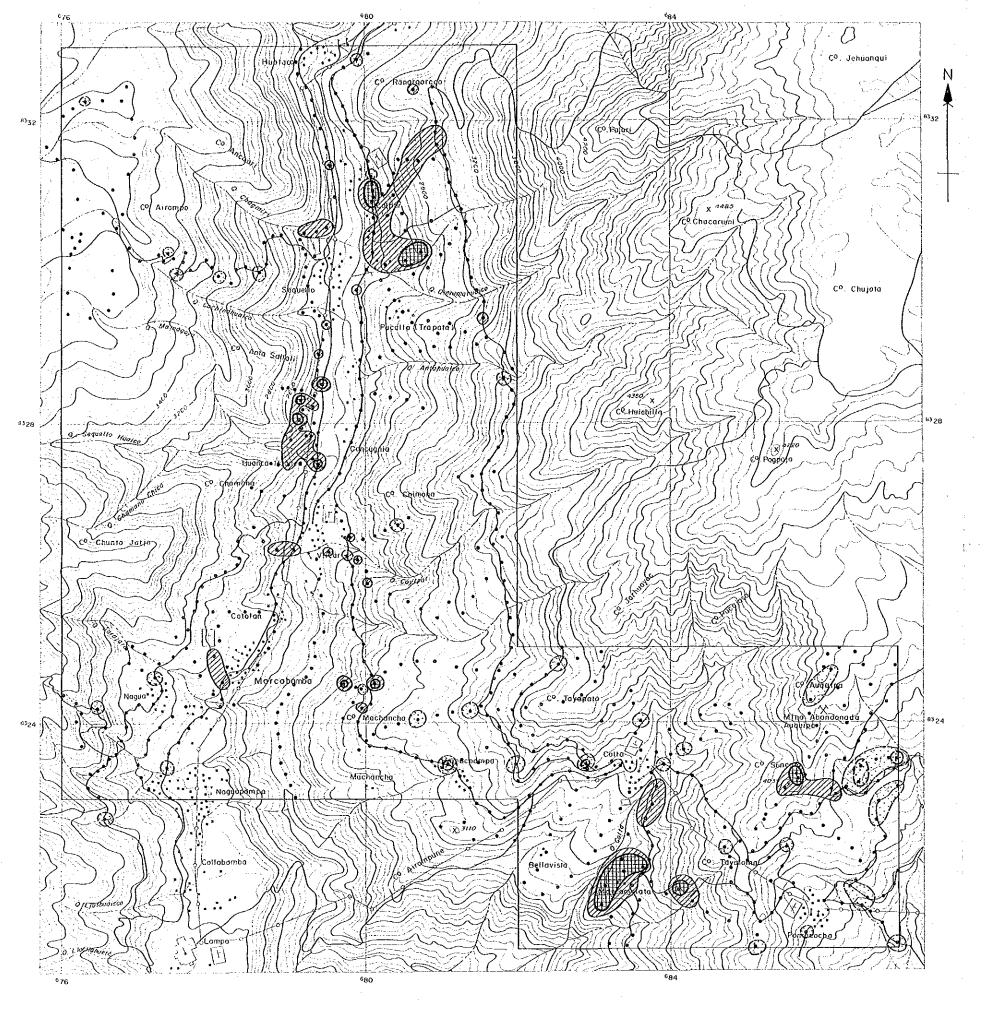


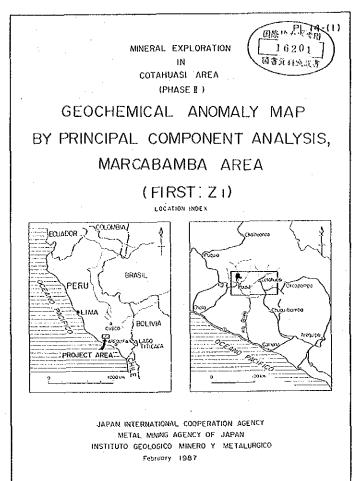
Symbol	Classification	Contents (in ppm)
	Anomoly A  M+30  Anomoly B  M+20	Pb \ 210.4
· · · · · · · · · · · · · · · · · · ·	High background	83.9 > Pb 2 33.5





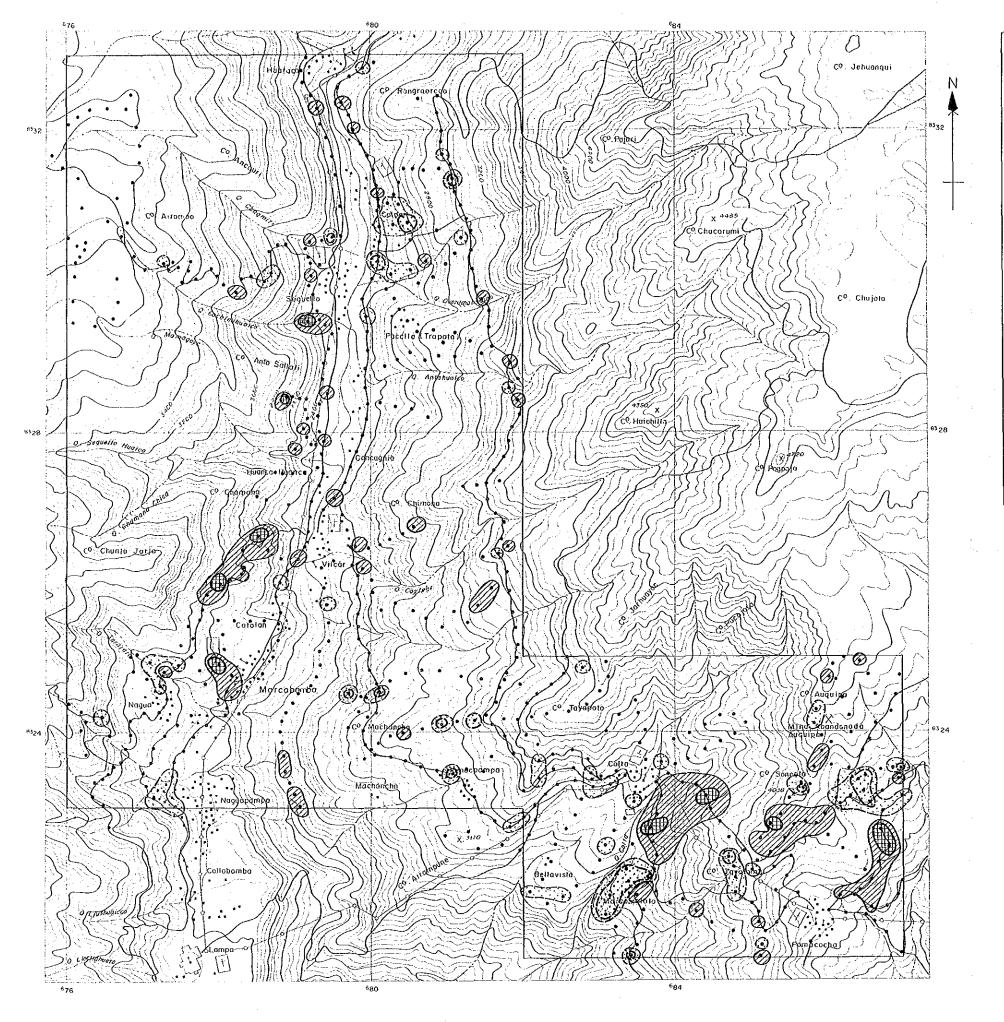
Symbol	Classification	Contents (in ppm)	
	Anomaly A	Zn ≩ 278.4	
	Anomoly B	278.4 > Zn 🚶 174.6	
	High background M+10	174.6 > Zn ≩ 109.6	

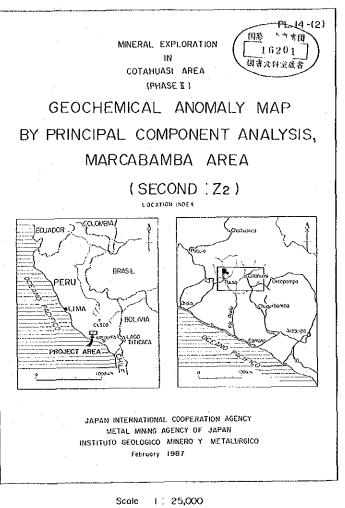




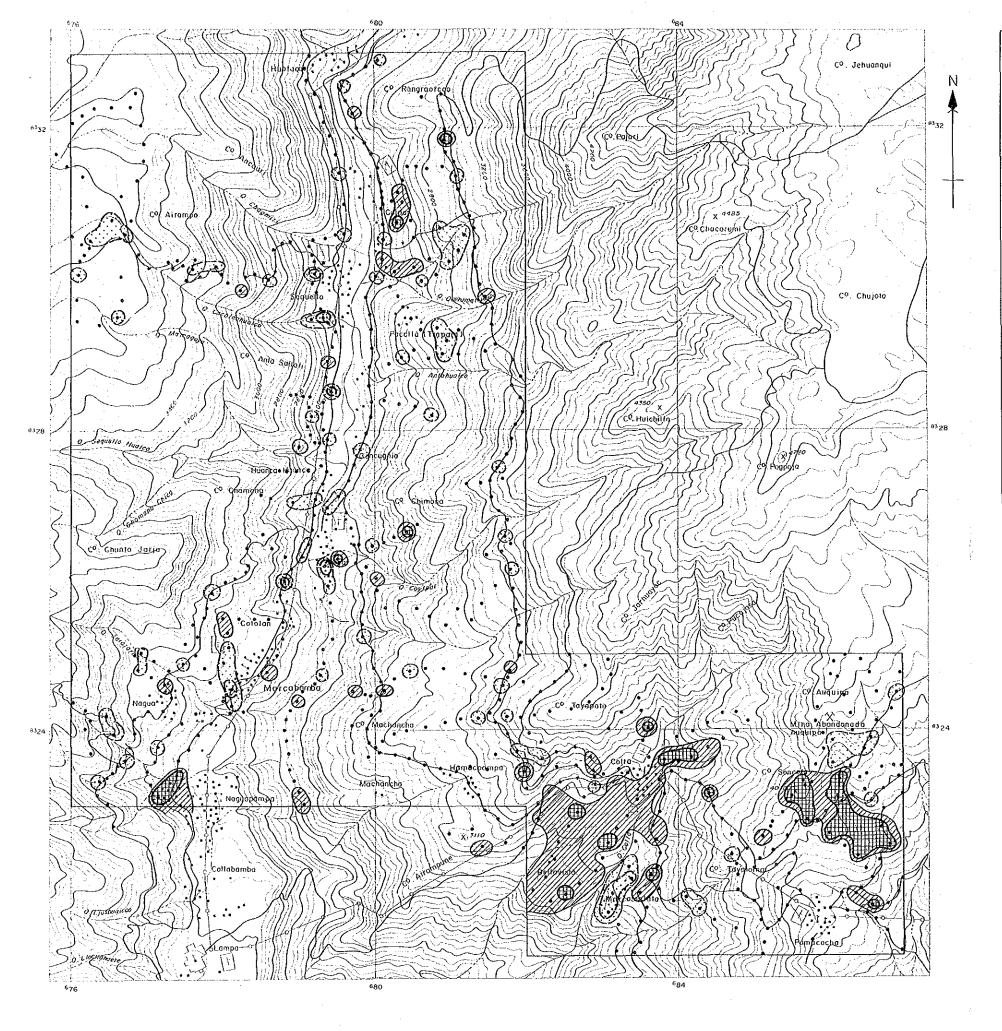
Scale | 1 | 25,000

Symbol	Score	Classification
	м+2б 3.75	+ Anomaly
	м+б 1.88	+ High background
<b>-</b>	т + м — о —   -	Background
	M-6-1.88	— High background
	M-26 -3.75	- Anomaly





Symbol	Score	Classification
	M+2o 1.93	+ Anomaly
	M+6 0.97	t High background
	+   M 0   -	Background
	M+6 -0.97	- High bockground
	M+26 -1.93	~ Anomaly



MINERAL EXPLORATION 16201 图者资料定量者 COTAHUASI AREA (PHASE II ) GEOCHEMICAL ANOMALY MAP BY PRINCIPAL COMPONENT ANALYSIS, MARCABAMBA AREA (THIRD, Z3) LOCATION INDEX PROJECT AREA JAPAN INTERNATIONAL COOPERATION AGENCY
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#### LEGEND

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