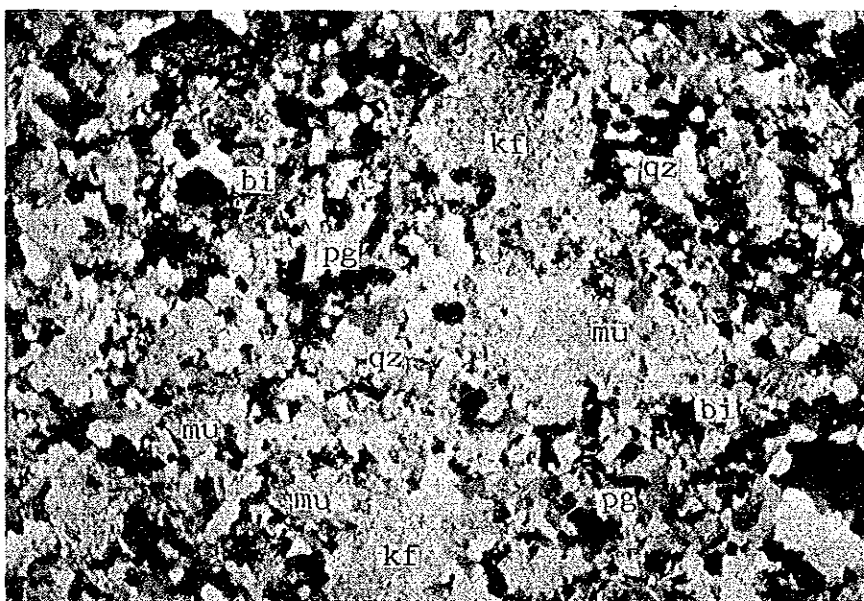
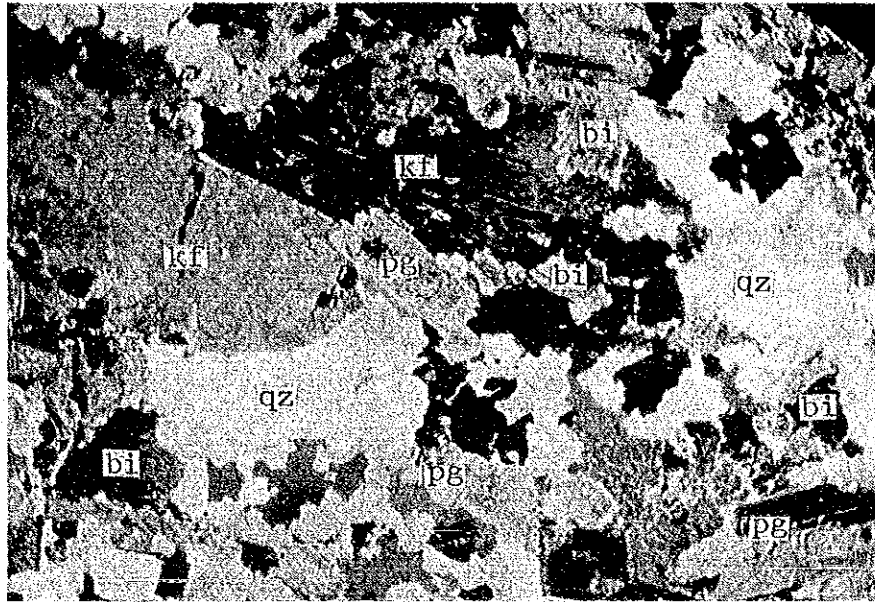


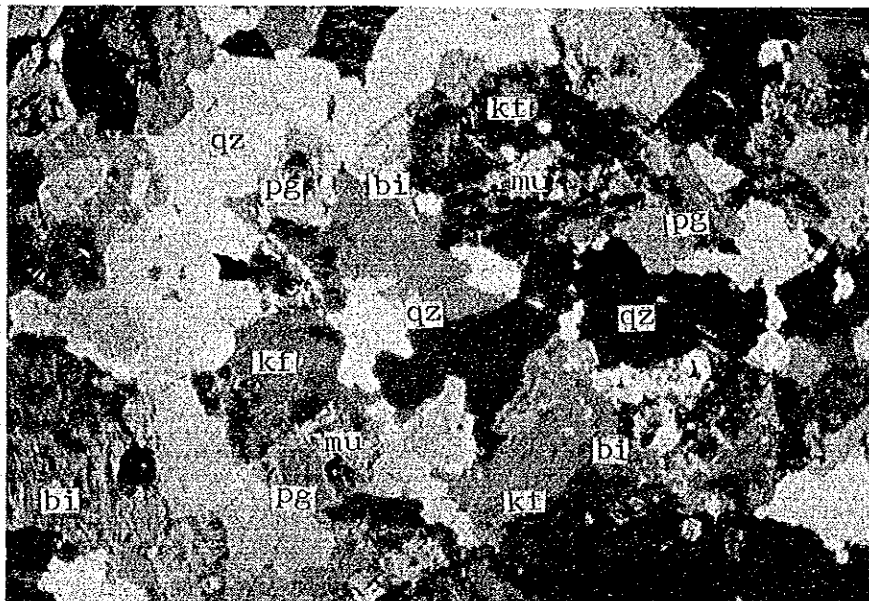
1. Biotite granite in area A (AR-2): bi; biotite, kf; K-feldspar, pg; plagioclase, qz; quartz: transmitted light, cross nicol.



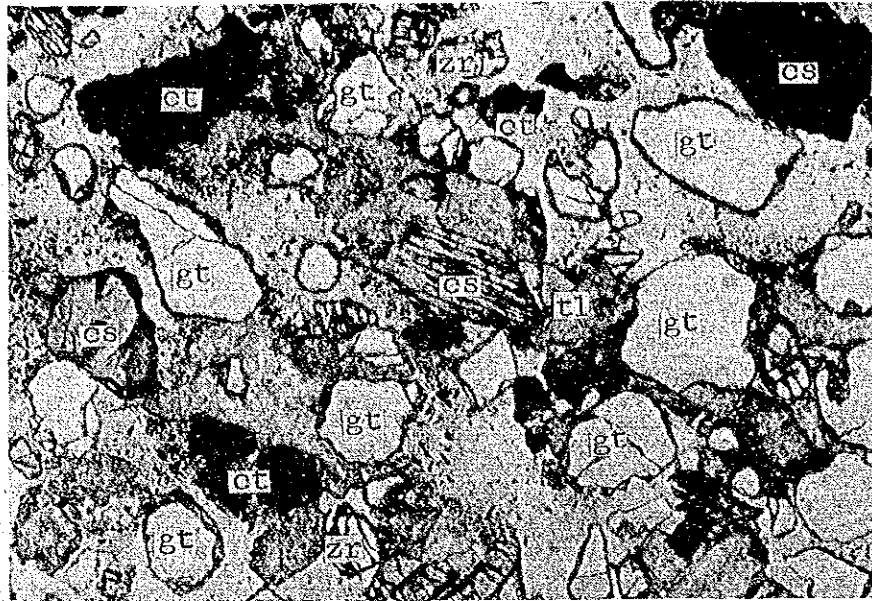
2. Two mica granite in area A (AR-5): mu; muscovite, bi; biotite, kf; K-feldspar, pg; plagioclase, qz; quartz: transmitted light, cross nicol.



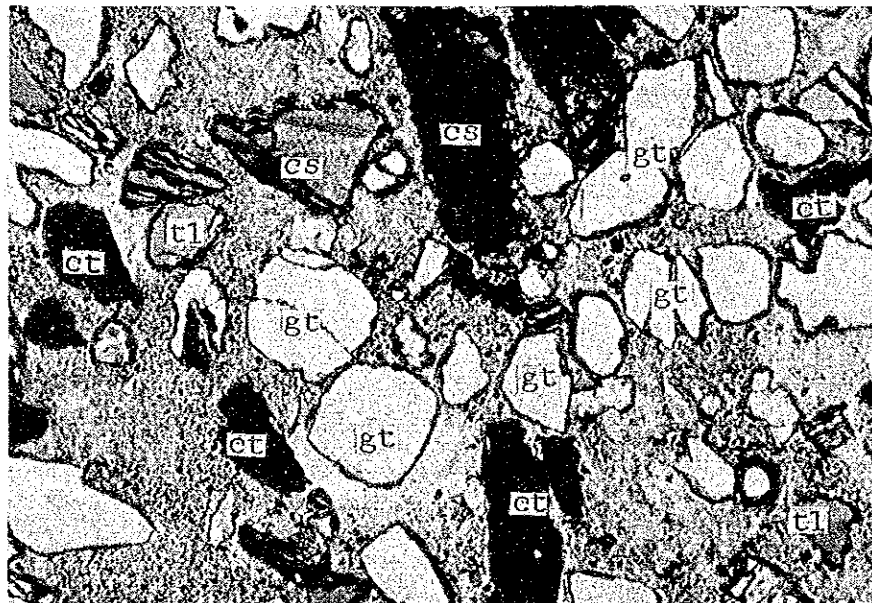
3. Biotite granite in area C (CR-2): bi; biotite, kf; K-feldspar, pg; plagioclase, qz; quartz: transmitted light, cross nicol.



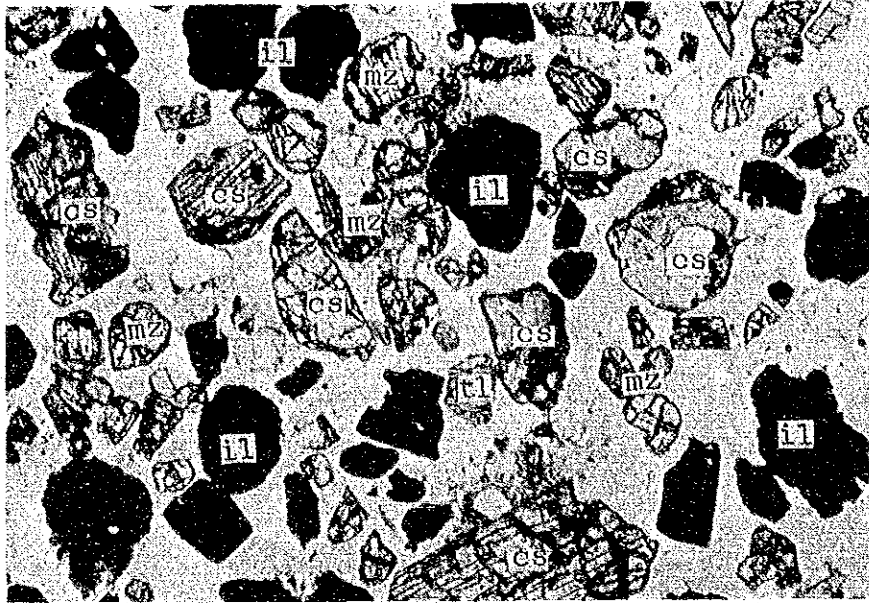
4. Two mica granite in area C (CR-3): mu; muscovite, bi; biotite, kf; K-feldspar, pg; plagioclase, qz; quartz: transmitted light, cross nicol.



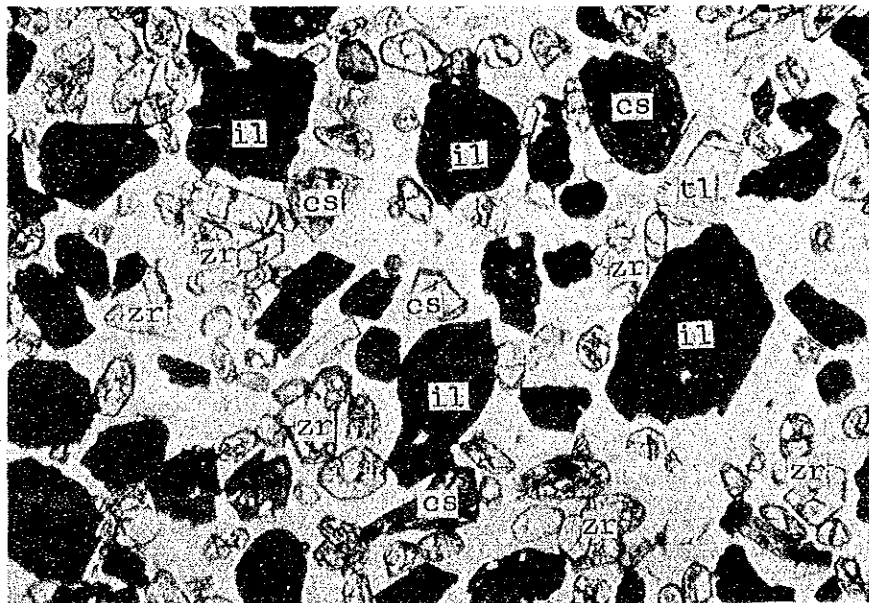
5. Panning concentrate of pegmatite in area A (AO-13): cs; cassiterite, ct; columbite-tantalite, gt; garnet, tl; tourmaline, zr; zircon: transmitted light, open nicol.



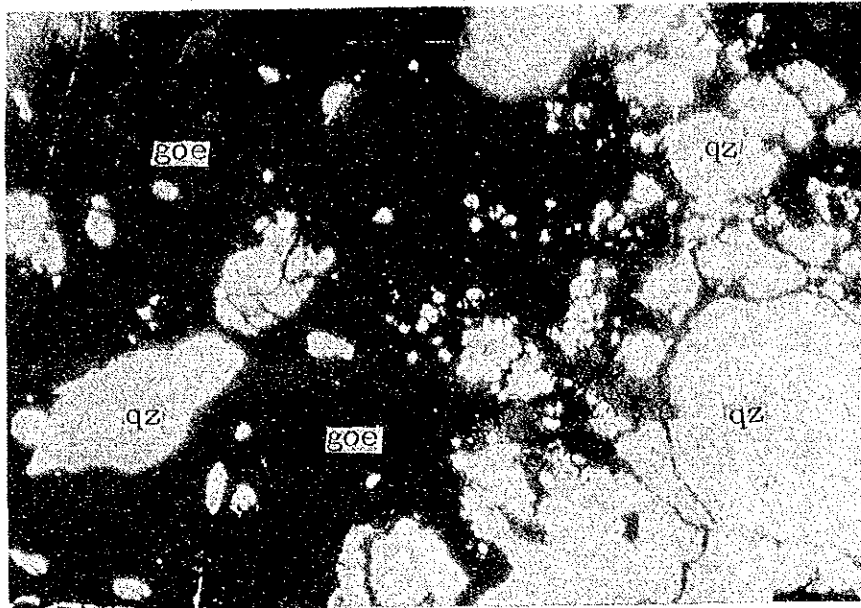
6. Panning concentrate of pegmatite in area A (AO-43): cs; cassiterite, ct; columbite-tantalite, gt; garnet, tl; tourmaline: transmitted light, open nicol.



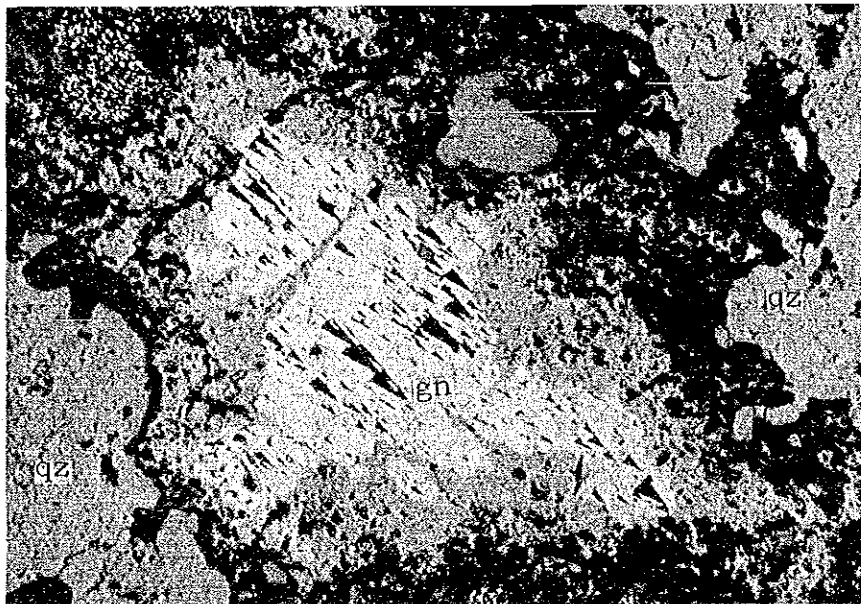
7. Panning concentrate of stream sediment in area C (CO-11): cs; cassiterite, mz; monazite, il; tourmaline: transmitted light, open nicol.



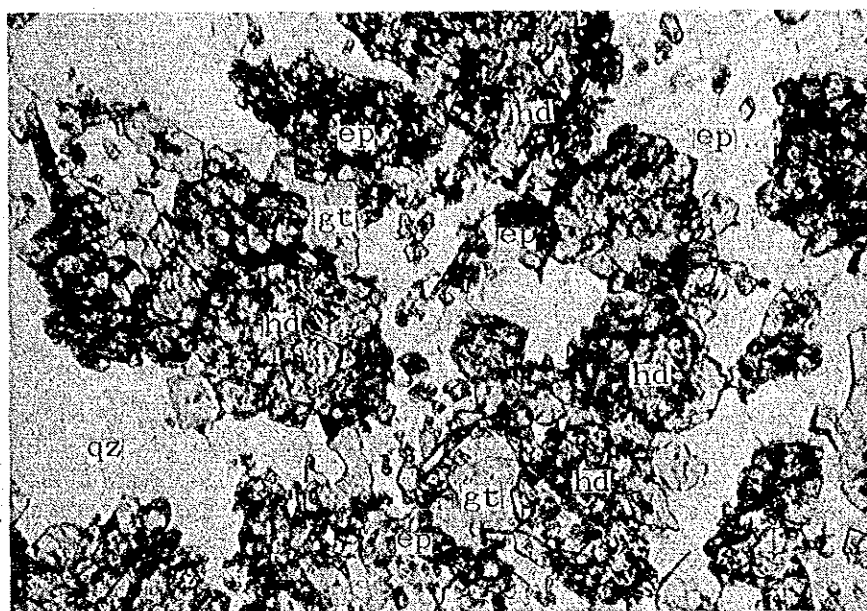
8. Panning concentrate of stream sediment in area C (CO-29): cs; cassiterite, il; ilmenite, zr; zircon, tl; tourmaline: transmitted light, open nicol.



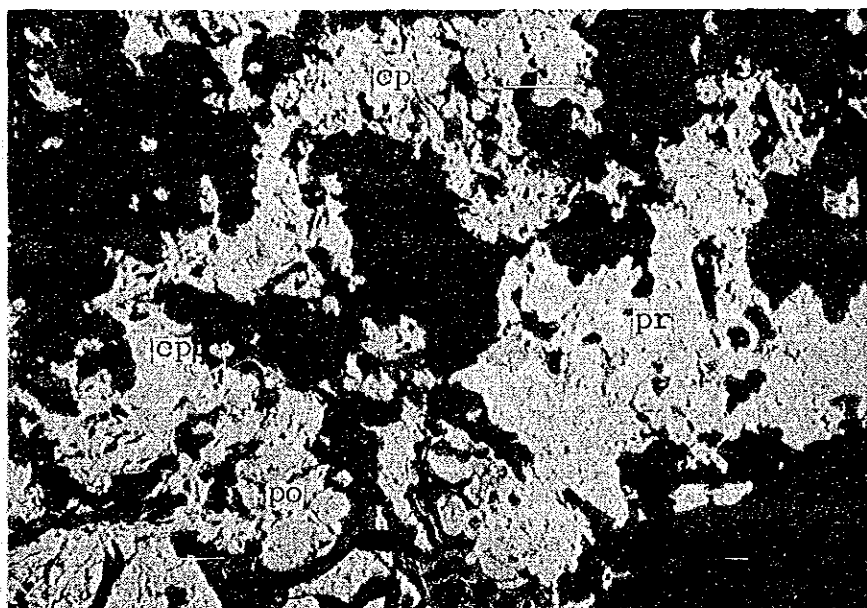
9. Gossan of C2 ore body in area C (CO-100): goe; goethite, qz; quartz: transmitted light, open nicol.



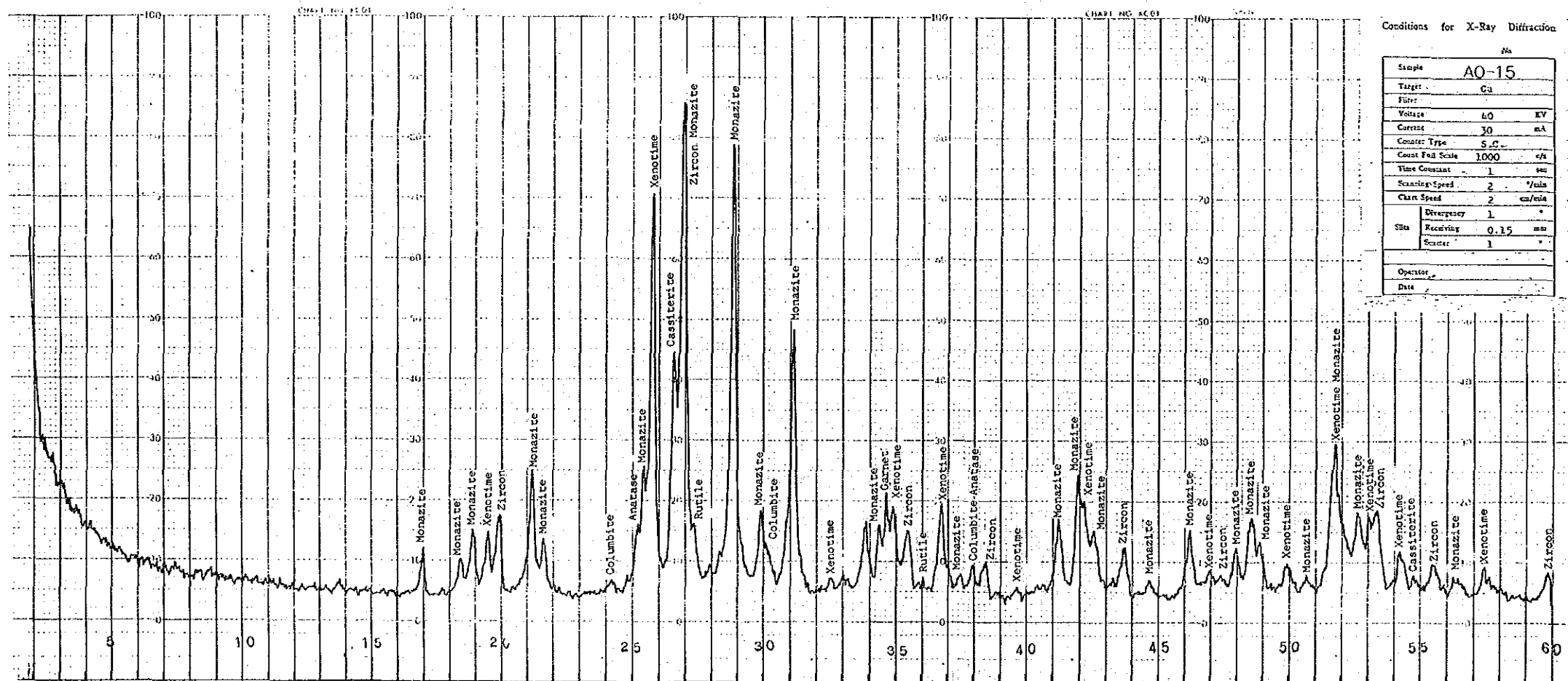
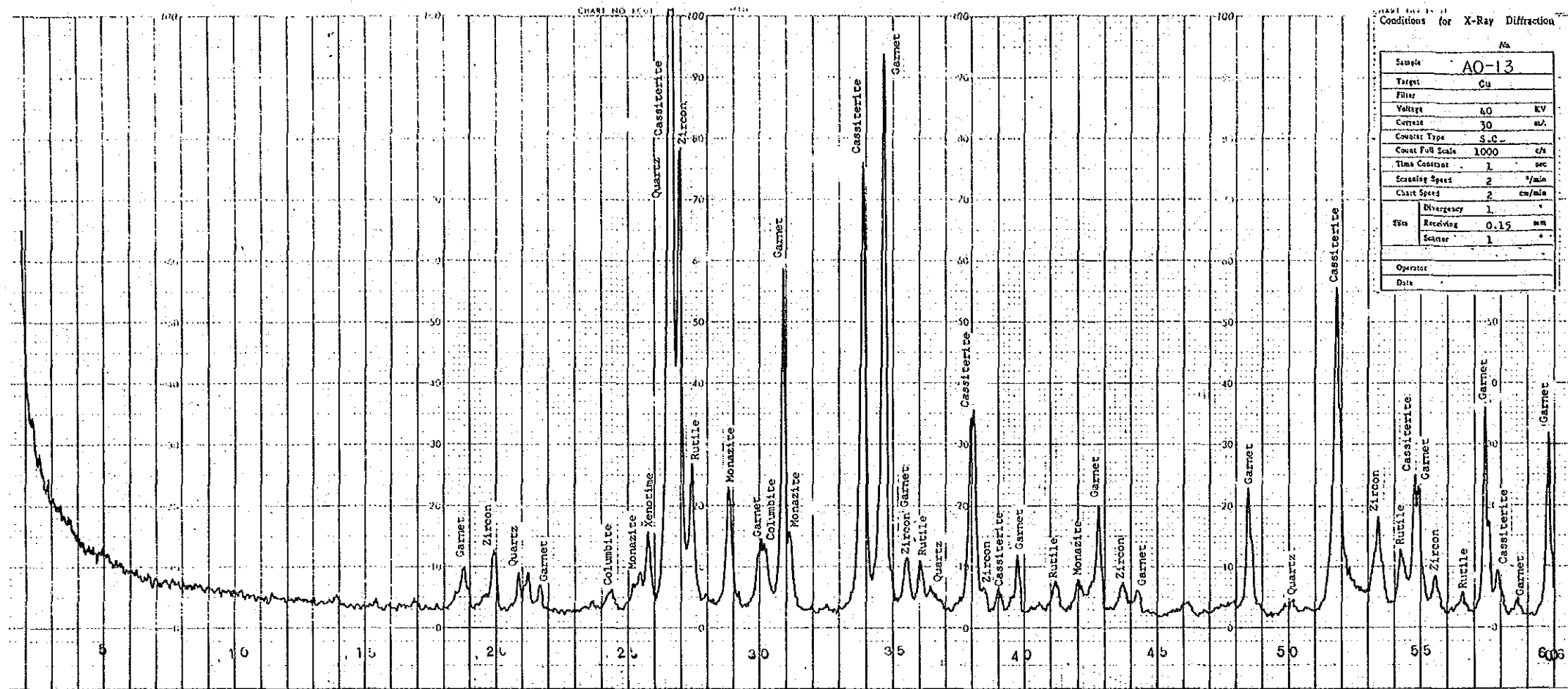
10. Sulfide ore of C2 ore body in area C (CO-105): gn; galena, qz; quartz: reflected light, open nicol.

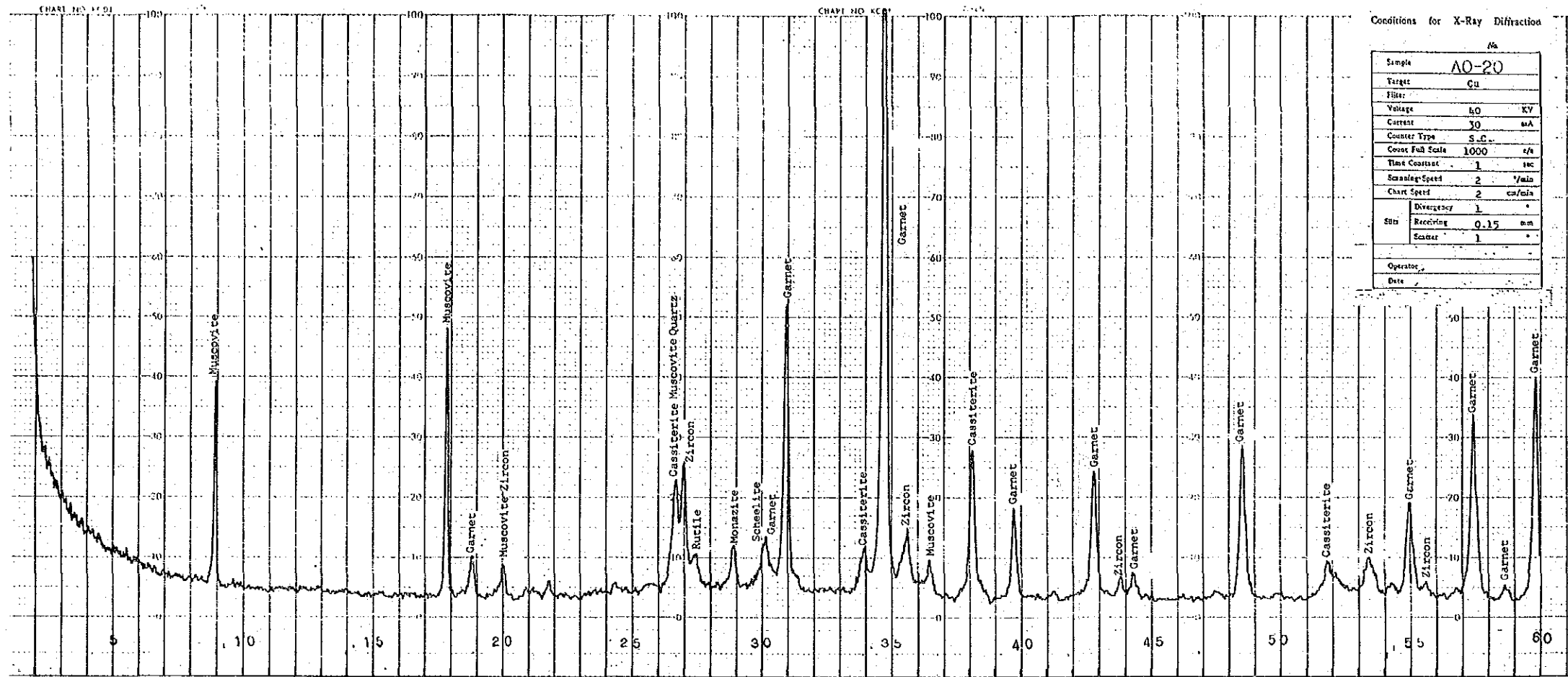


11. Green skarn of C1 ore body (CO-108): hd; hedenbergite, ep; epidote, gt; garnet, qz; quartz: transmitted light, open nicol.

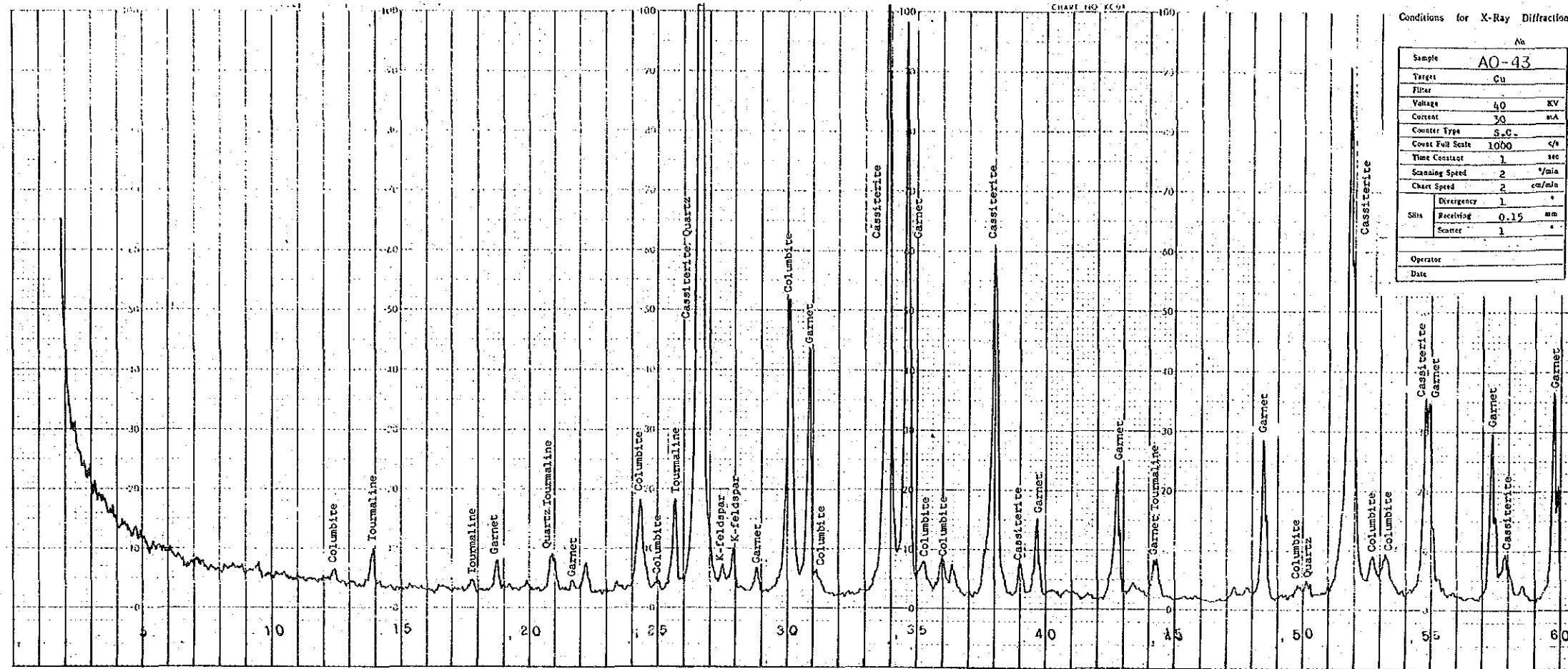


12. Sulfide ore of C1 ore body (CO-107): cp; chalcopyrite, py; pyrite, po; pyrrhotite: reflected light, open nicol.



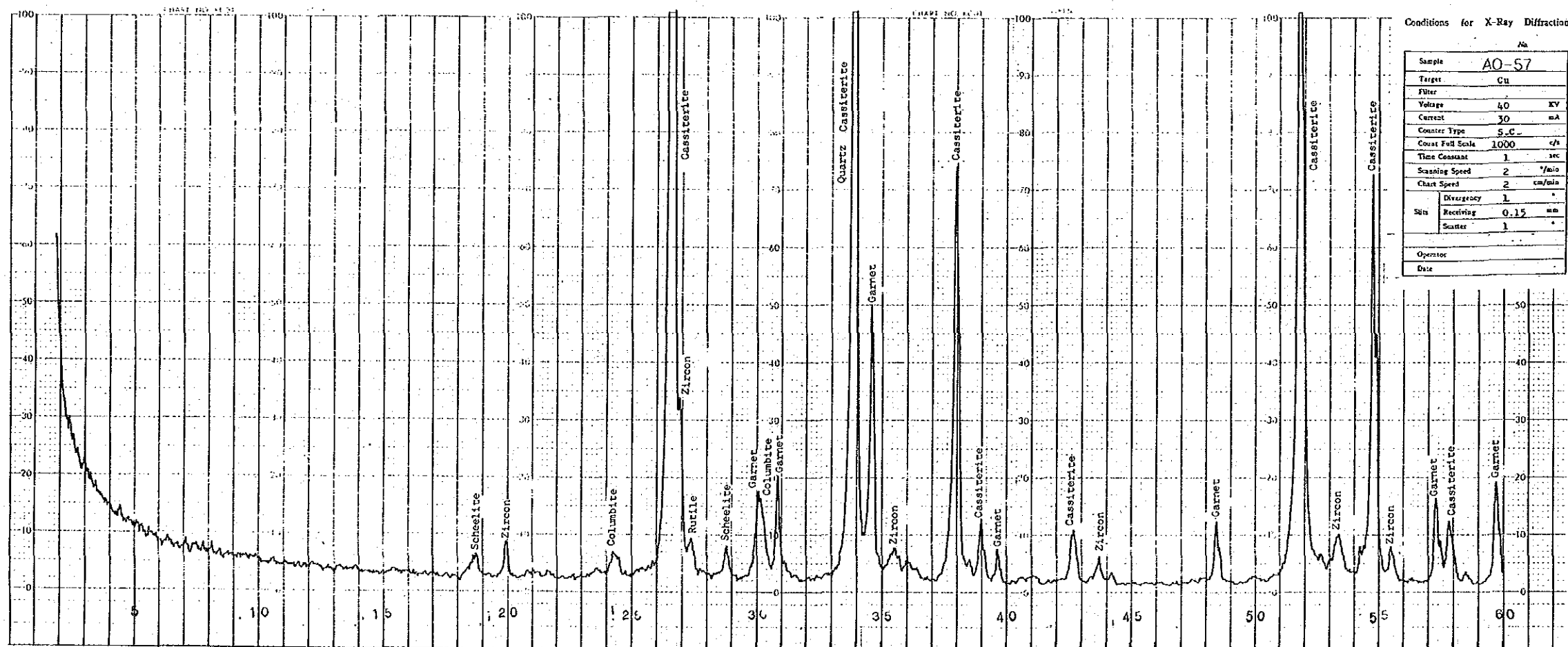






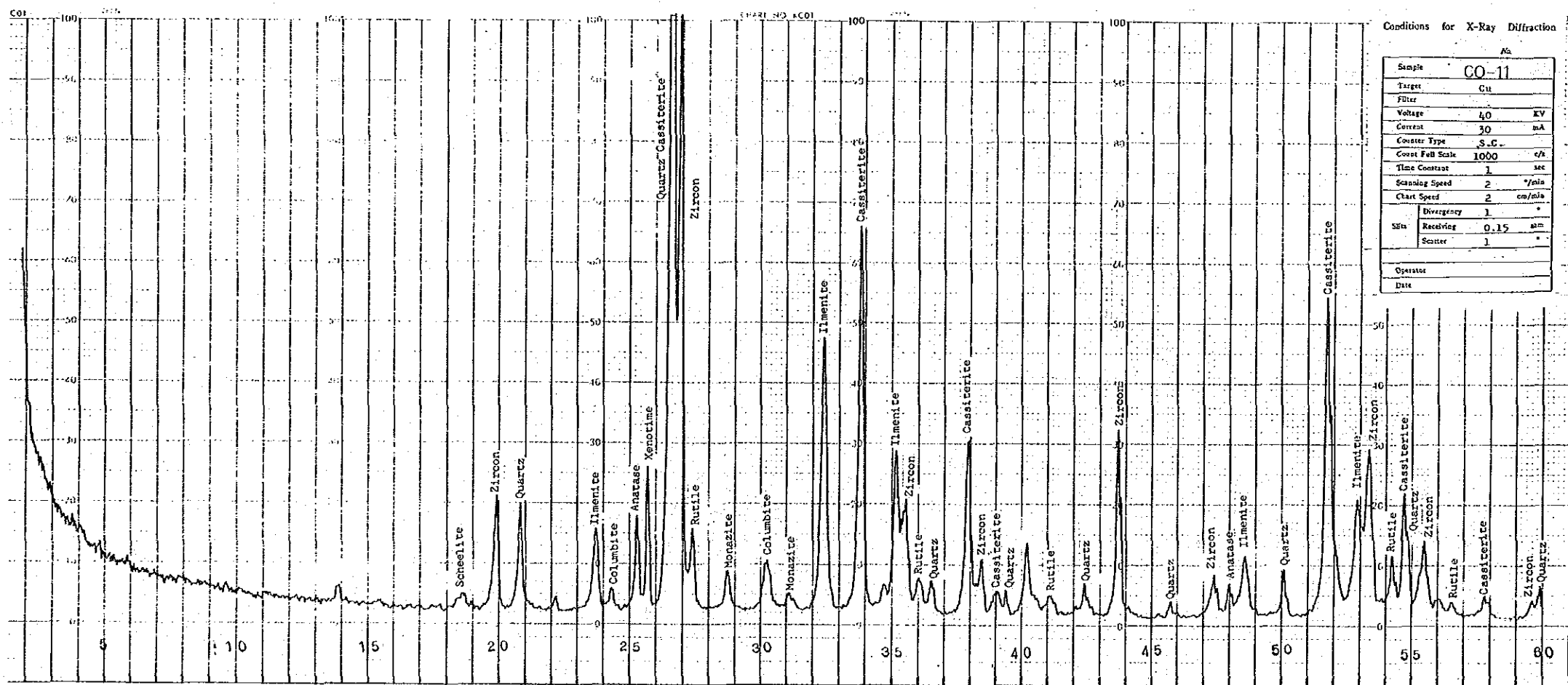
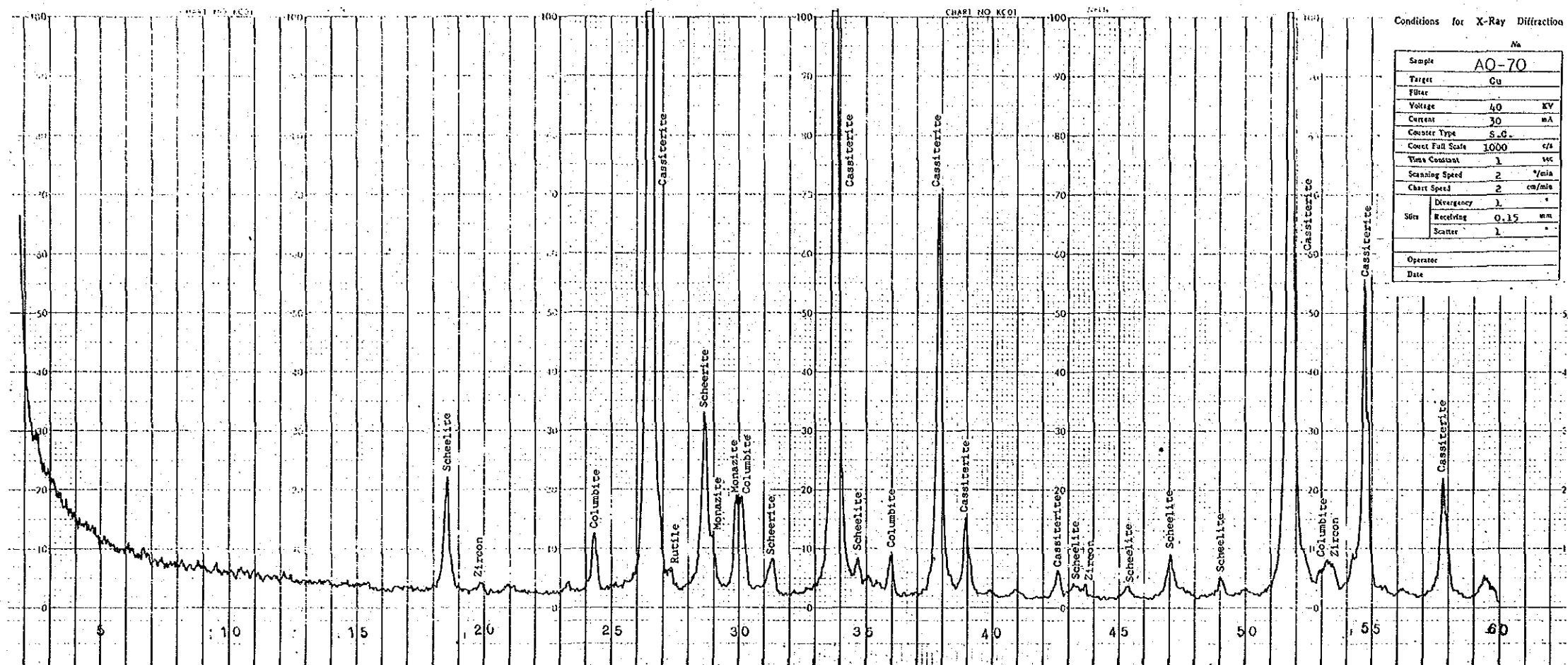
Conditions for X-Ray Diffraction

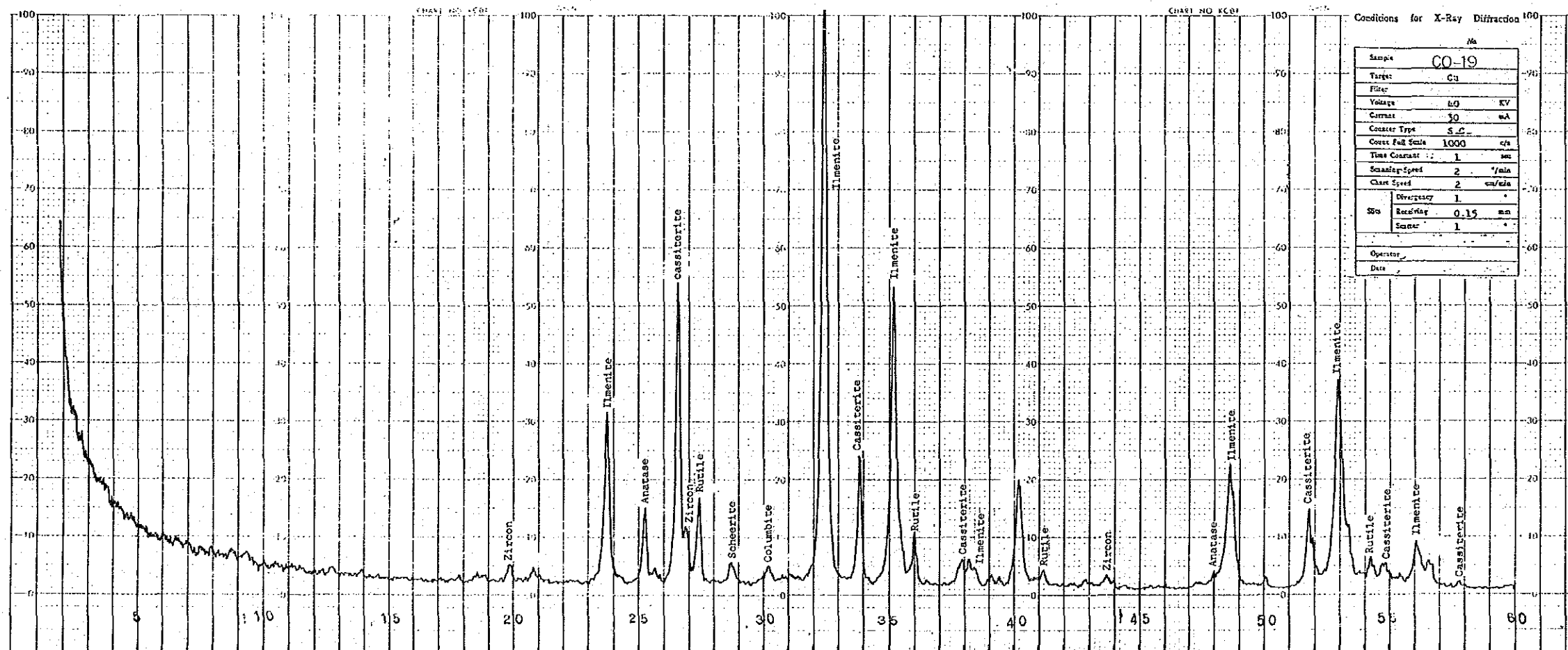
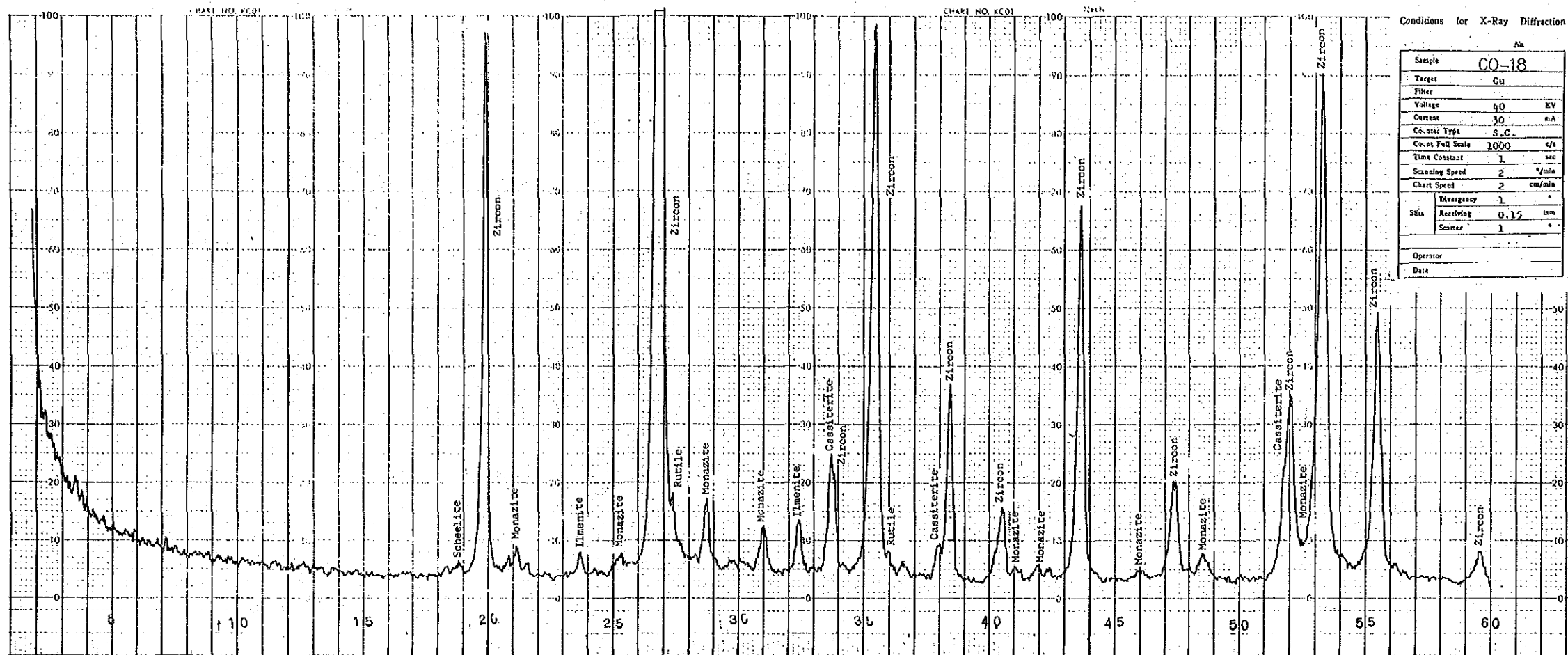
Sample	AO-43
Target	Cu
Filter	
Voltage	40 KV
Current	30 mA
Counter Type	S.C.
Count Full Scale	1000 c/s
Time Constant	1 sec
Scanning Speed	2 °/min
Chart Speed	2 cm/min
Divergency	1 °
Slit Receiving	0.15 mm
Scatter	1 °
Operator	
Date	

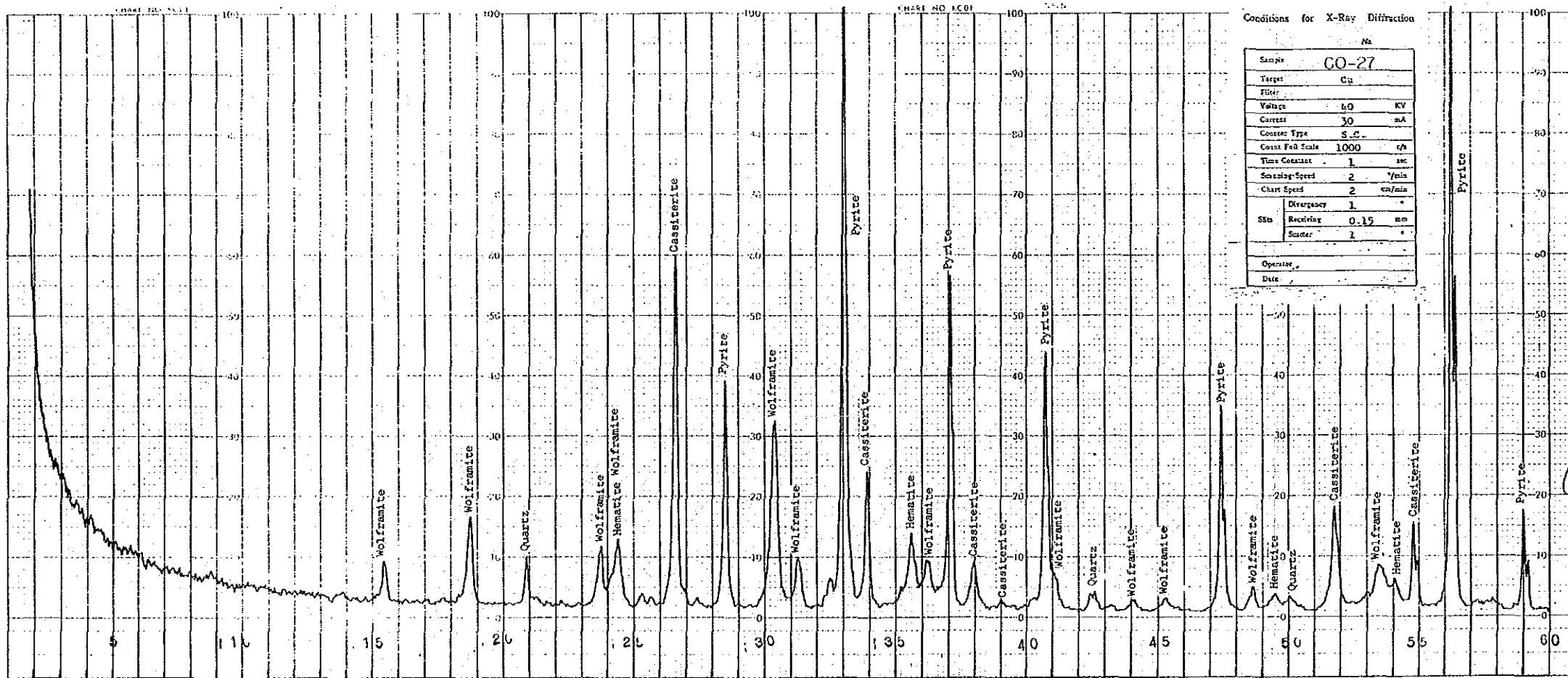
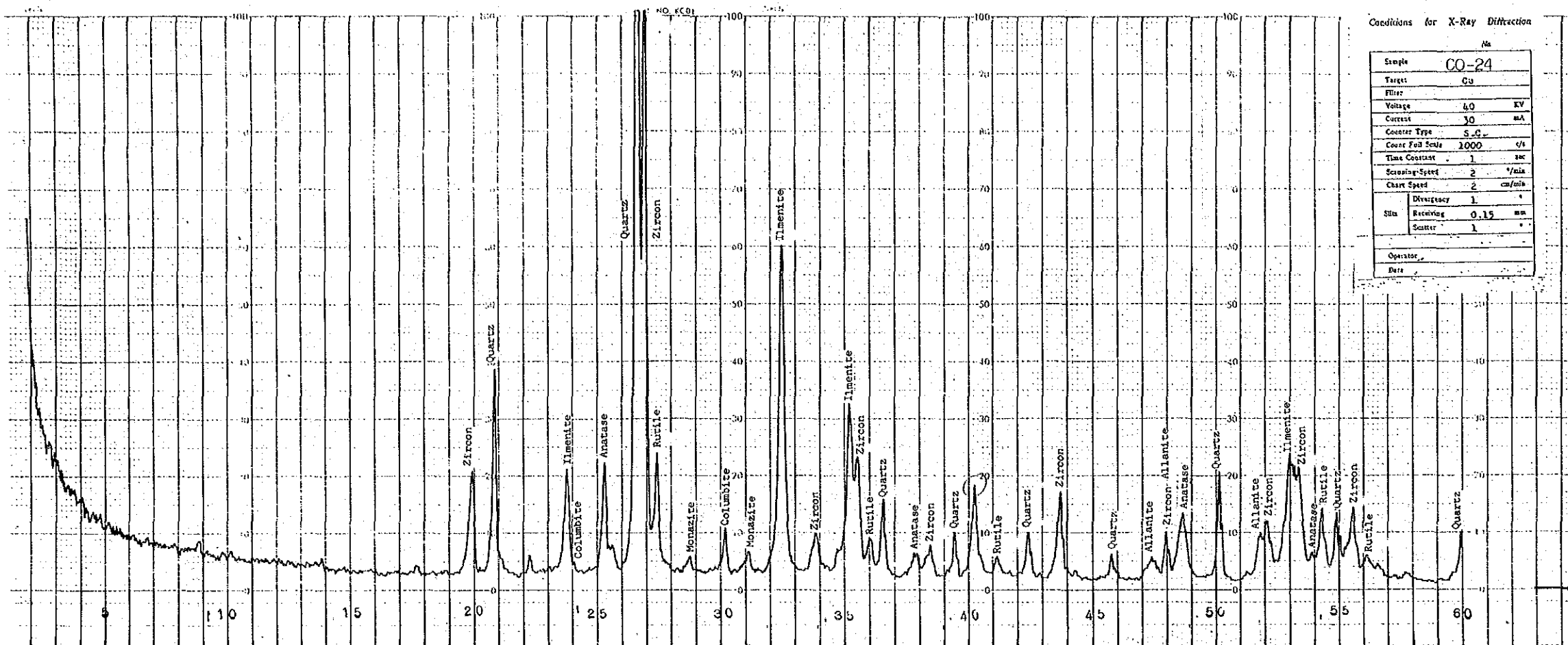


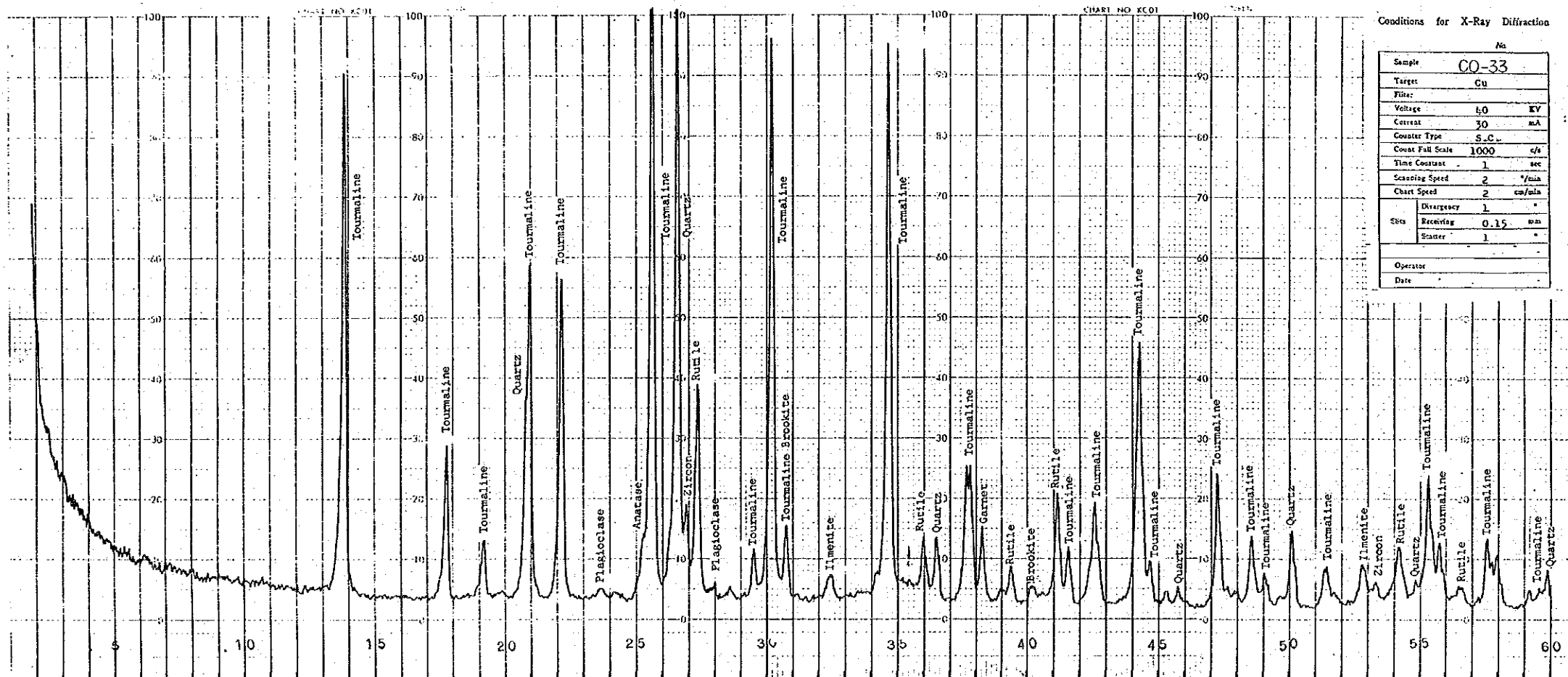
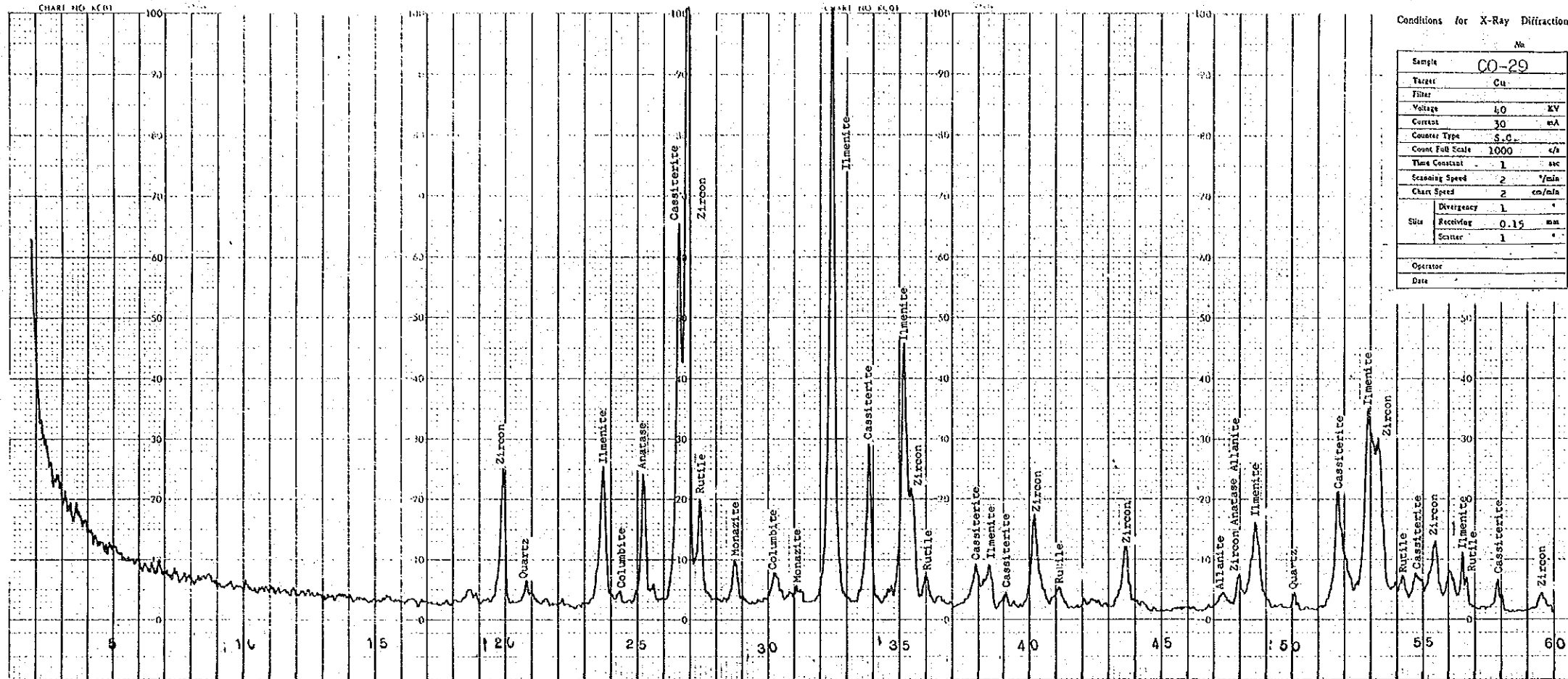
Conditions for X-Ray Diffraction

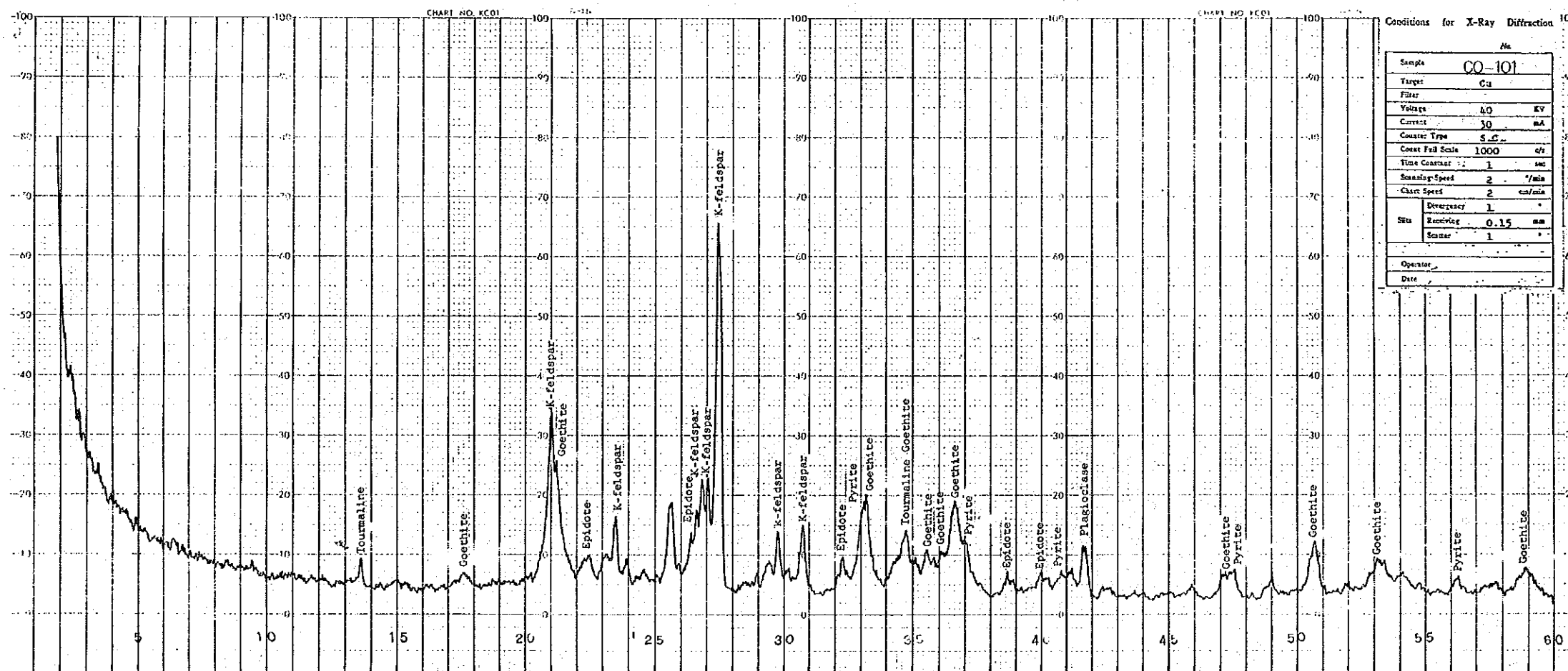
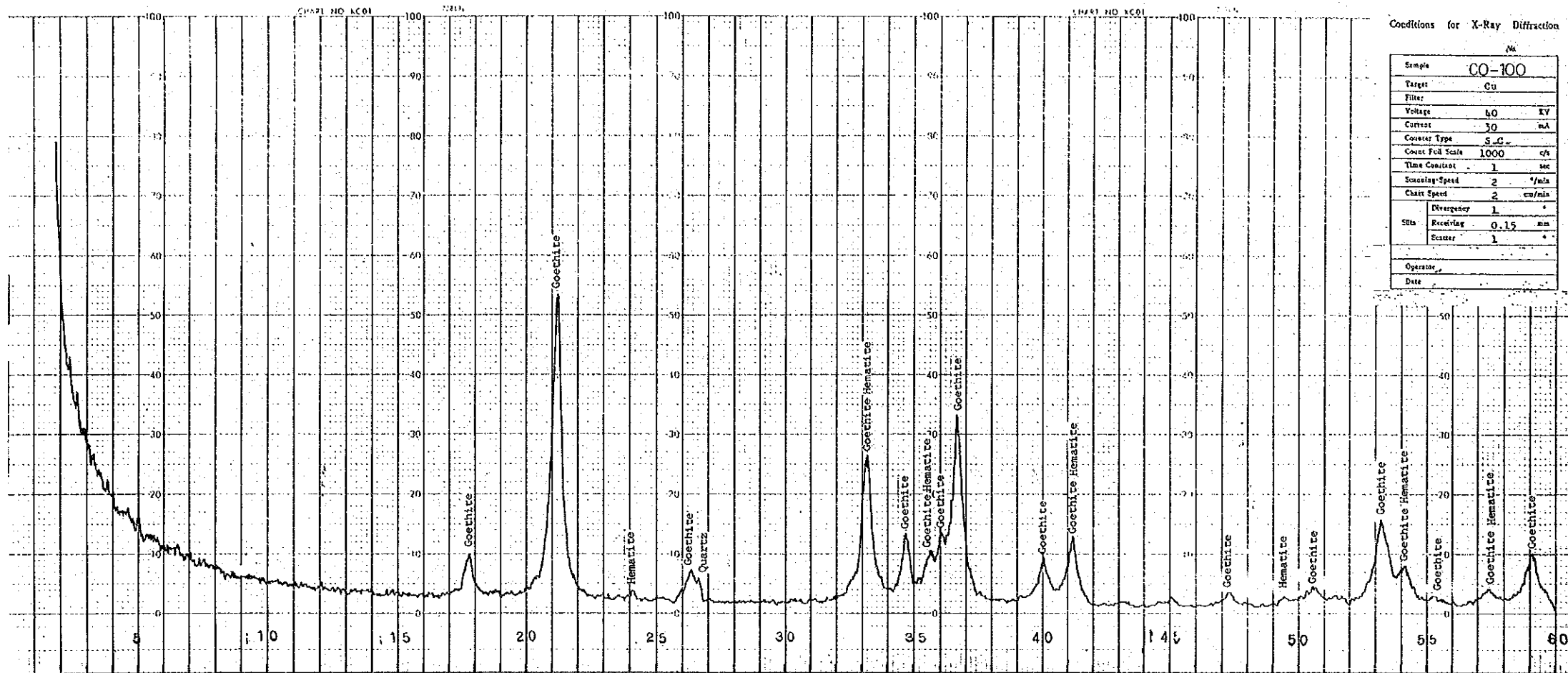
Sample	AO-57
Target	Cu
Filter	
Voltage	40 KV
Current	30 mA
Counter Type	S.C.
Count Full Scale	1000 c/s
Time Constant	1 sec
Scanning Speed	2 °/min
Chart Speed	2 cm/min
Divergency	1 °
Slit Receiving	0.15 mm
Scatter	1 °
Operator	
Date	

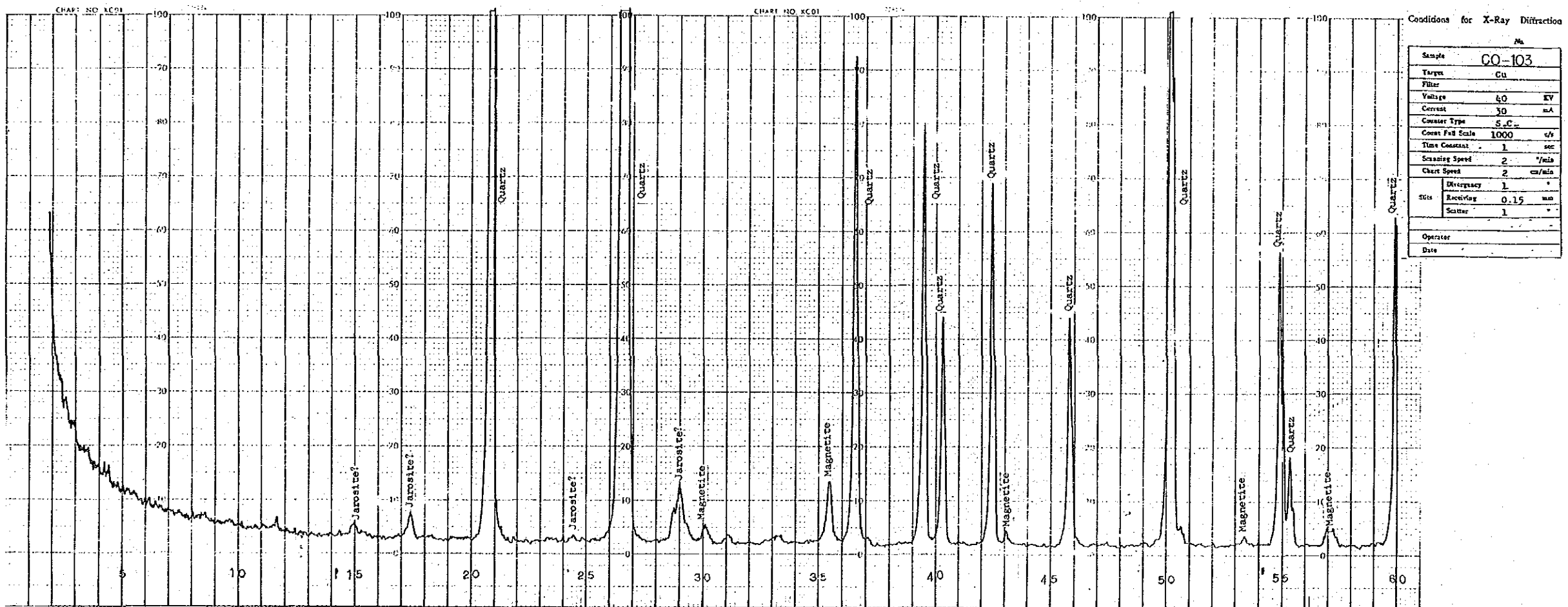
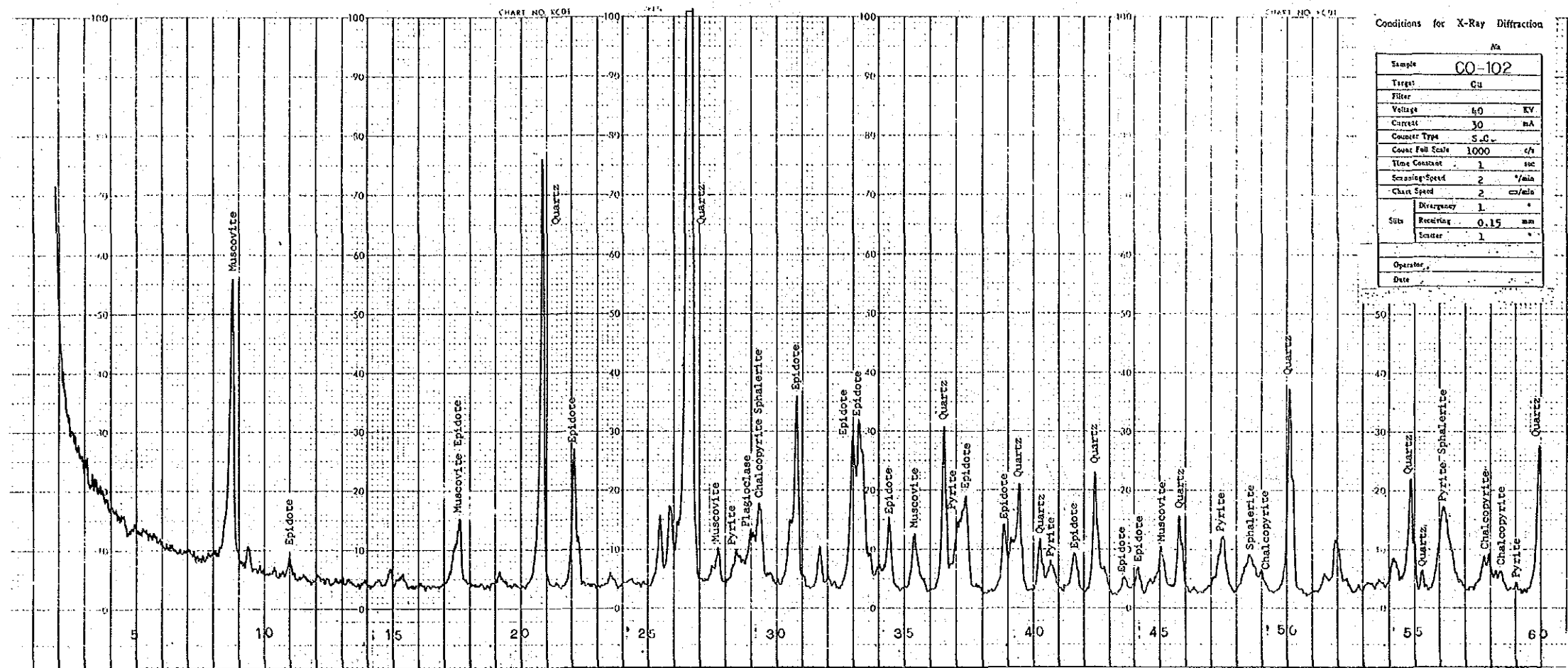


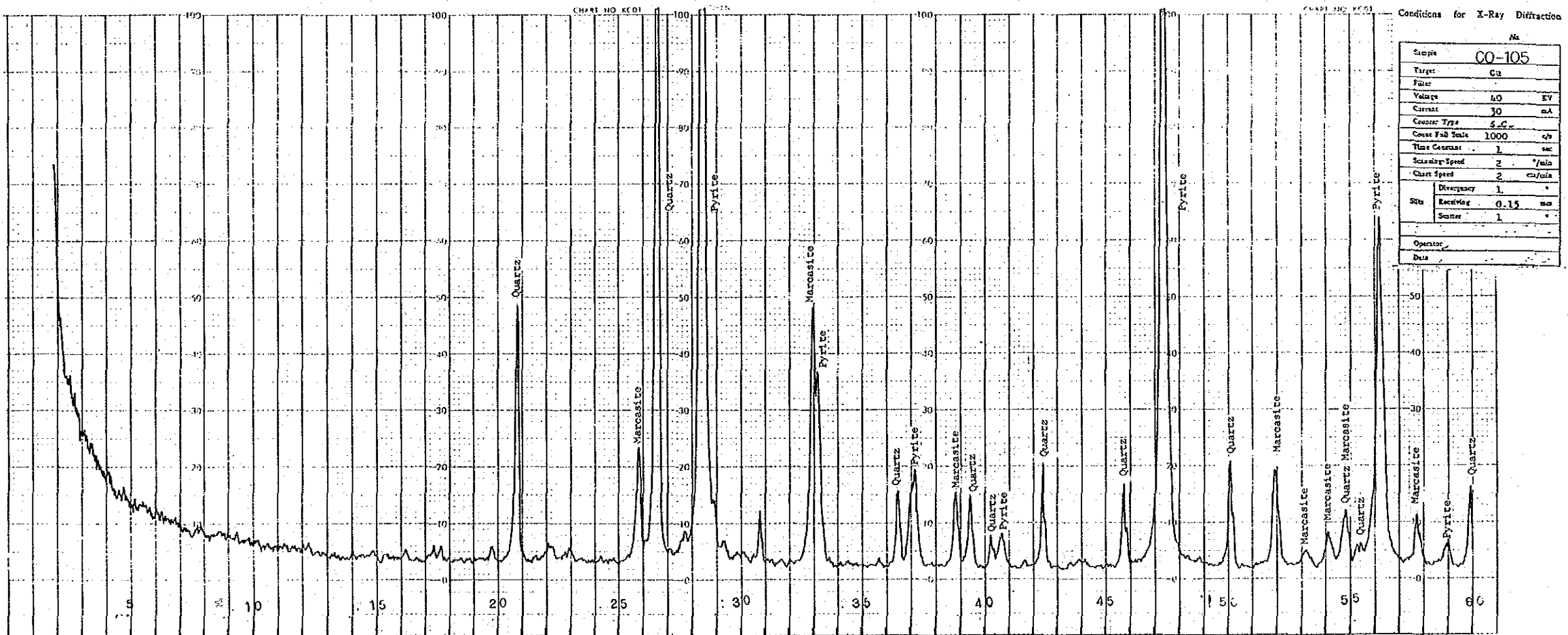
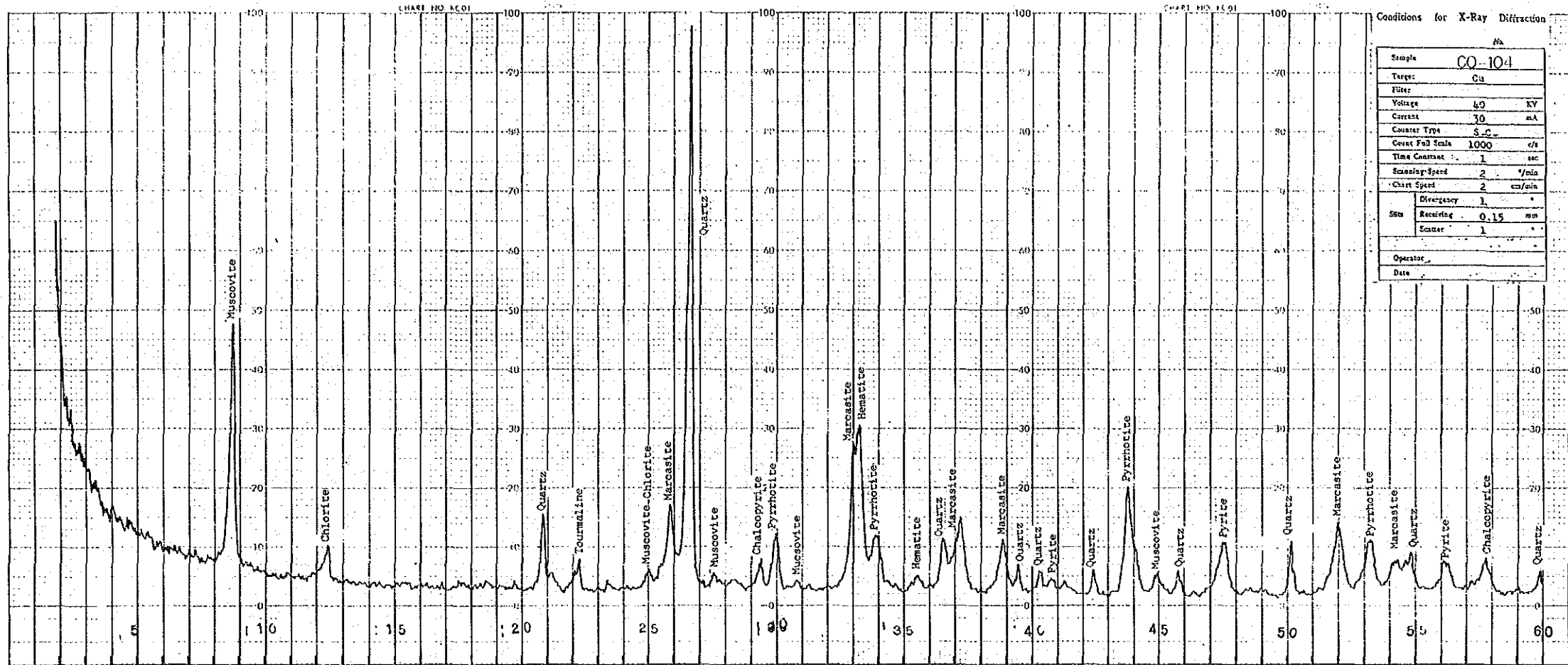




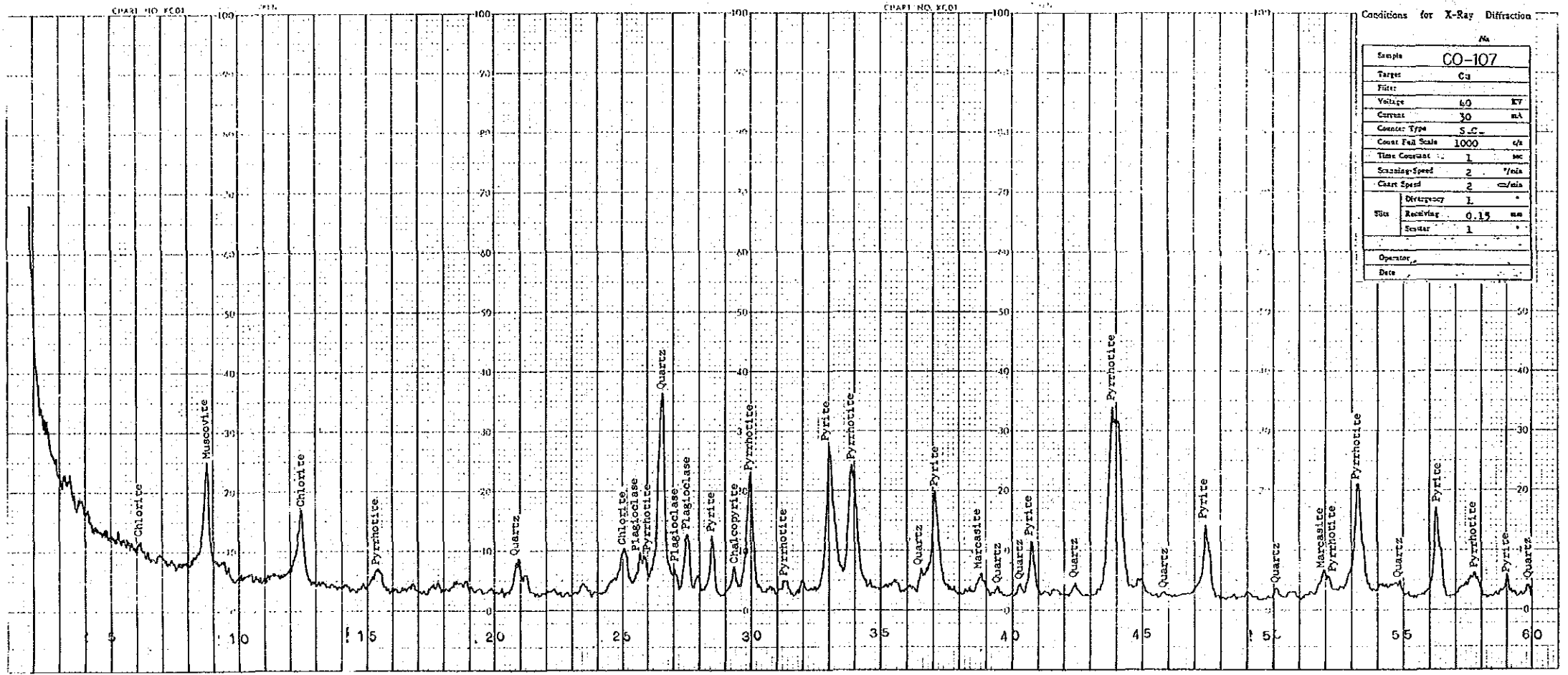
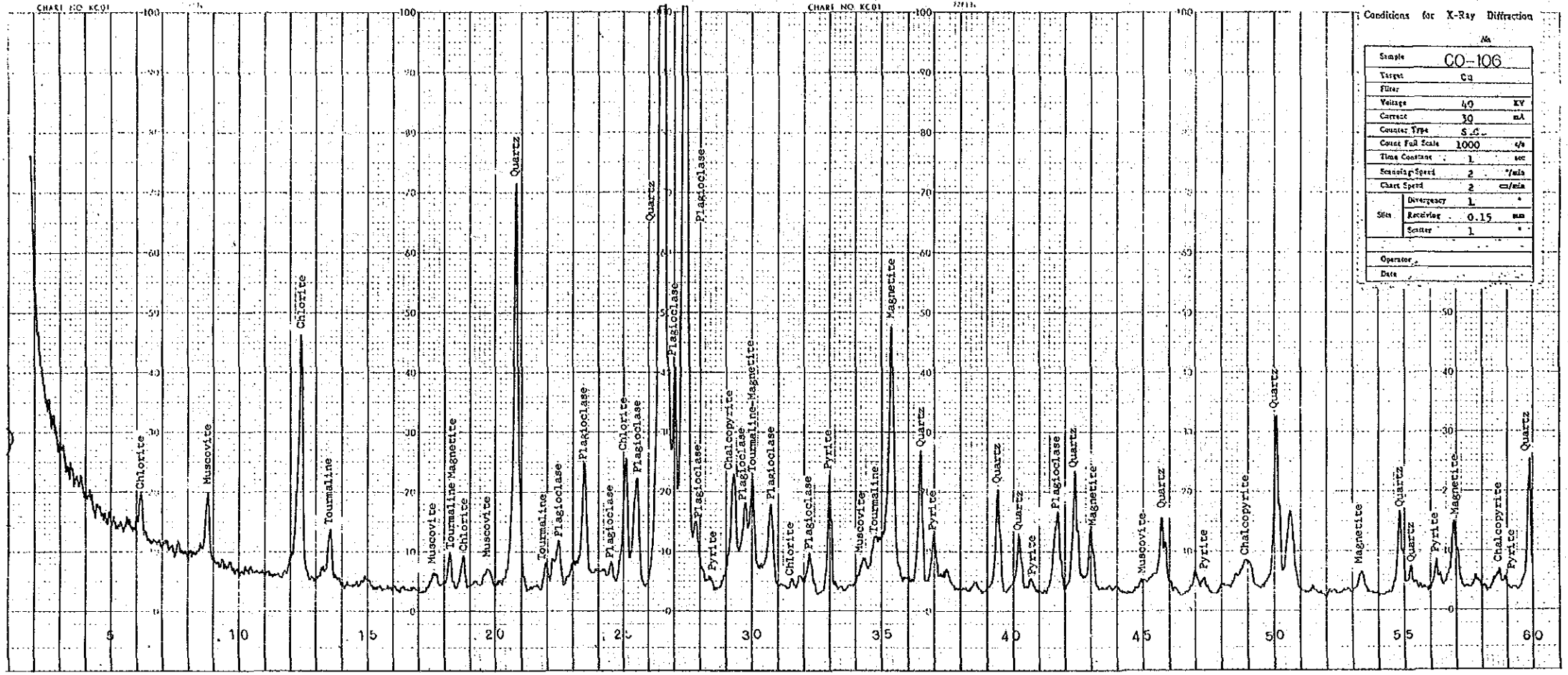


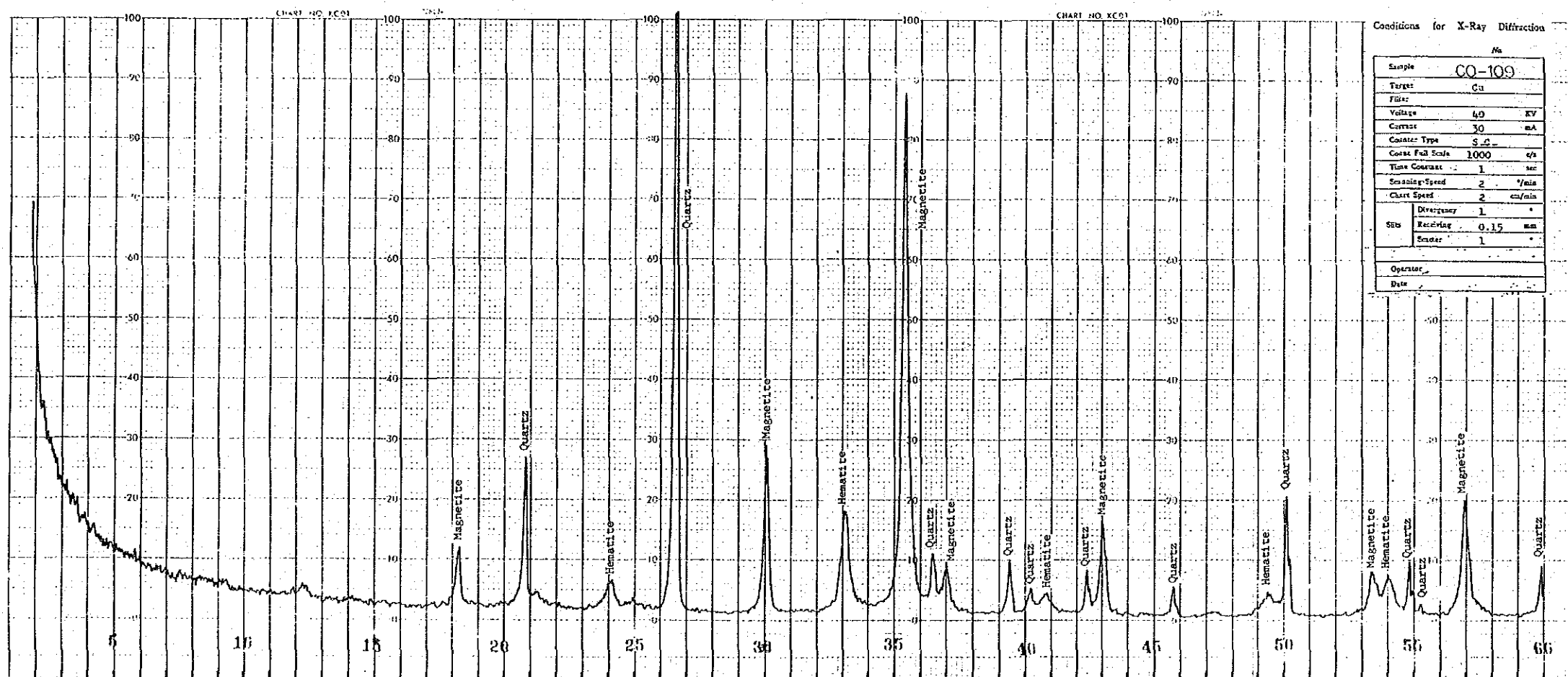
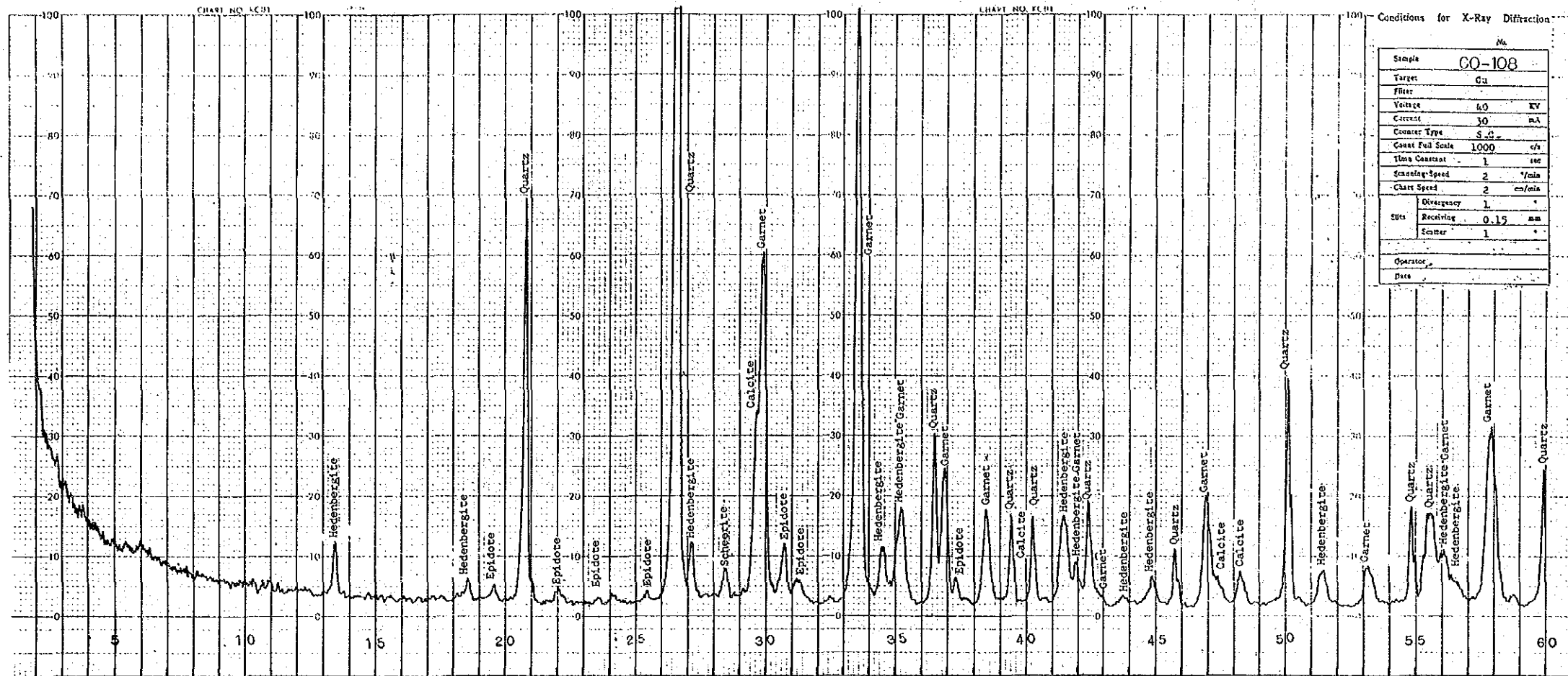






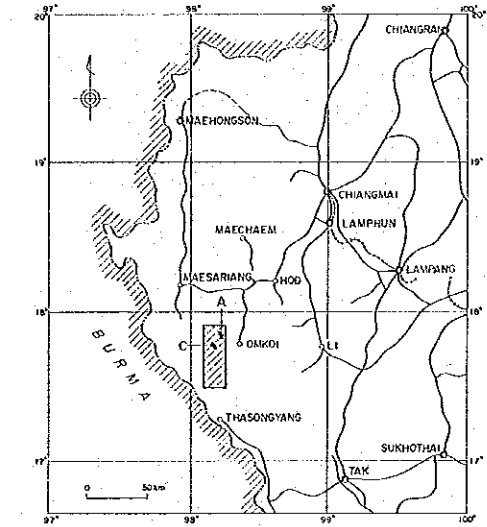




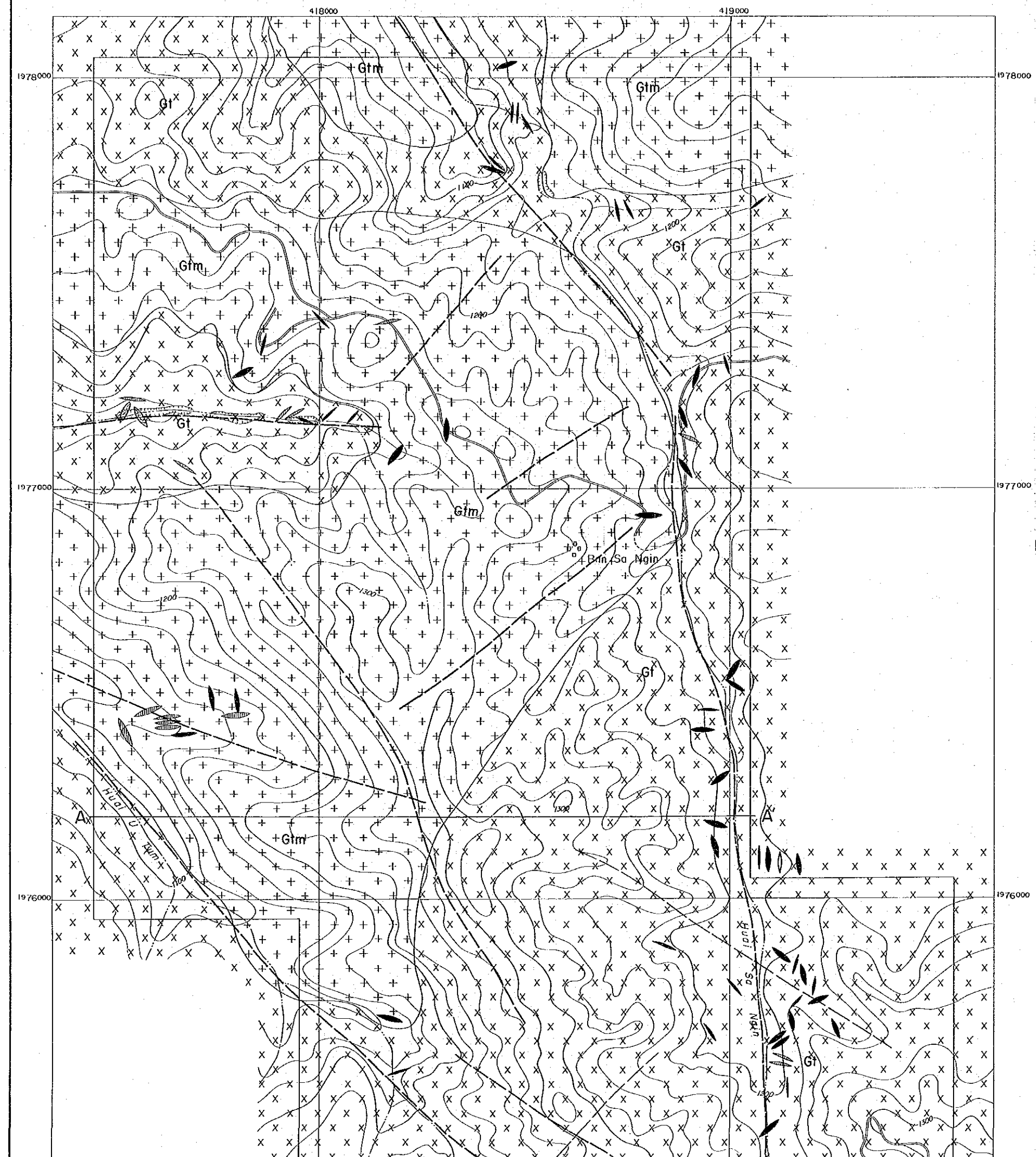


MINERAL EXPLORATION  
OF  
THE YANG KIANG AREA, THAILAND  
PHASE II  
GEOLOGIC MAP AND PROFILE  
(AREA A)

Scale 1 : 5,000  
0 100 200 300 400 500m

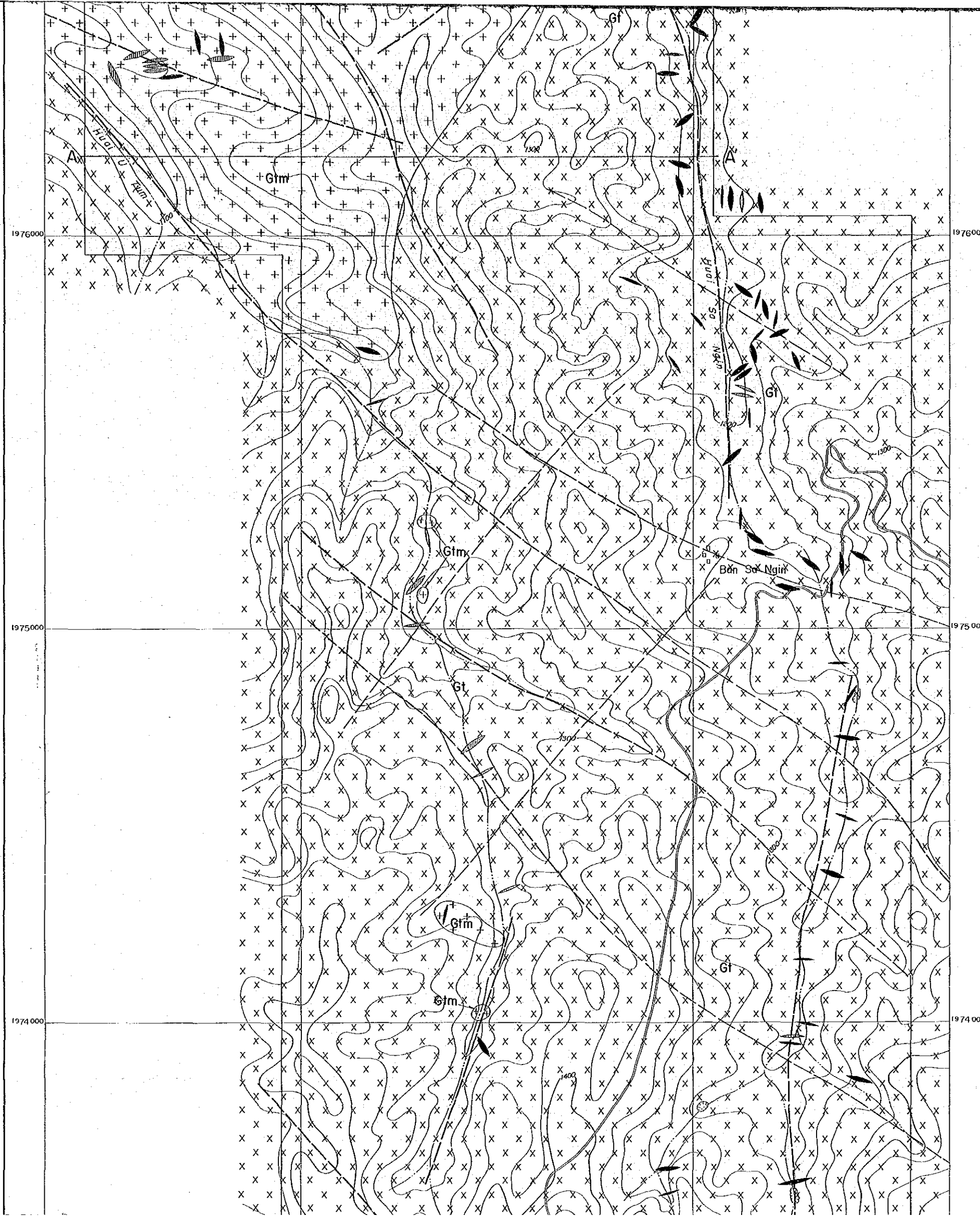


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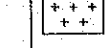
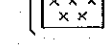


LEGEND

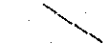

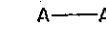
Age	Symbol	Rock facies
<b>1. Granitic rocks</b>		
		Qt quartz vein
		Pg pegmatite vein
Triassic		Ap oplite vein
		Gtm fine to medium-grained two mica granite
		Gt medium to coarse-grained biotite granite
<b>2. Geologic symbols</b>		
		lineament
		mine works (inactive)
	A—A'	profile line




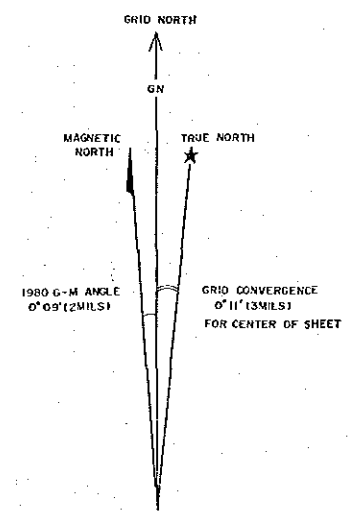
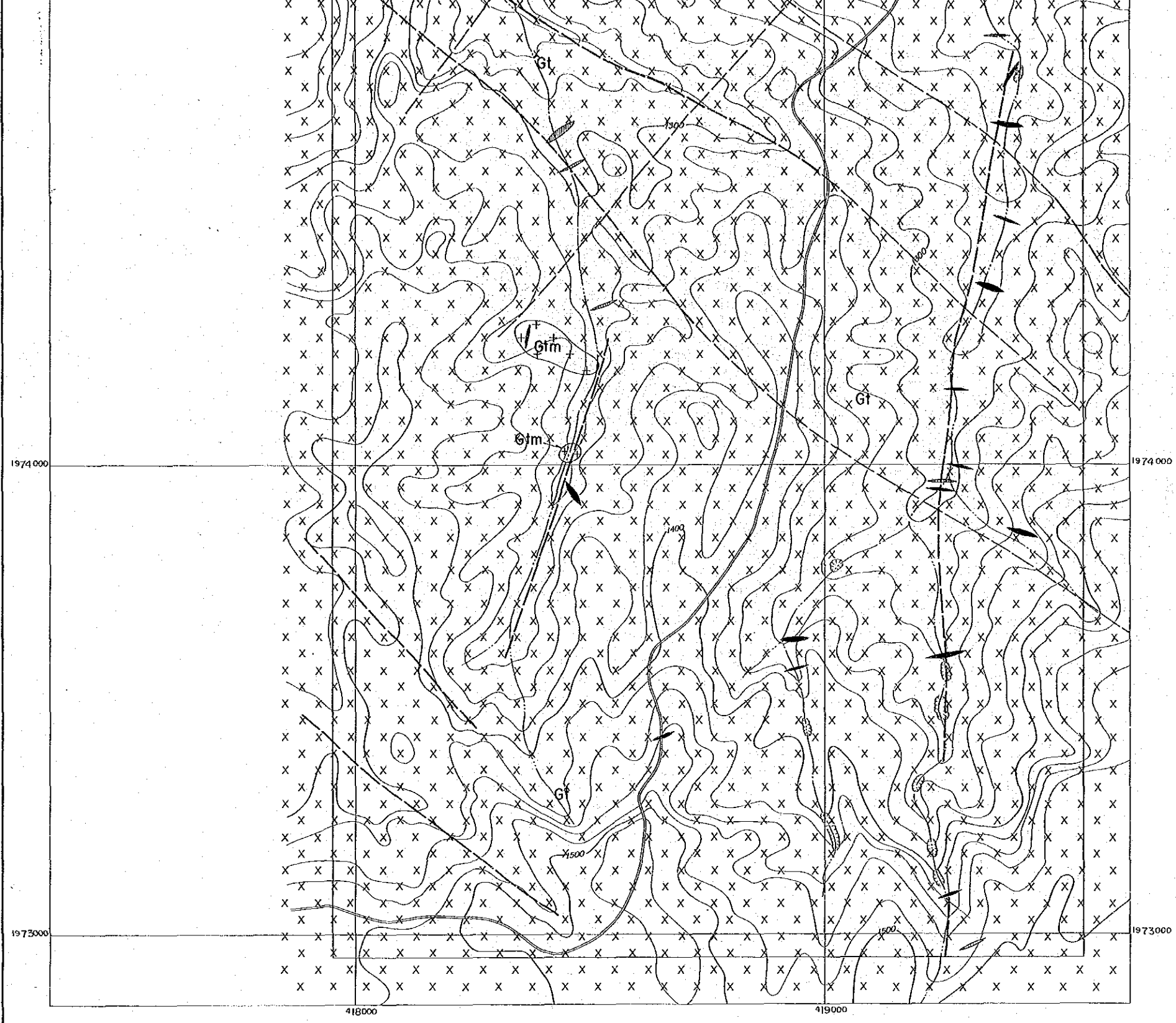
1. Granitic rocks

-  Qt quartz vein
-  Pg pegmatite vein
- Triassic
-  Ap aplite vein
-  Gtm fine to medium-grained two mica granite
-  Gt medium to coarse-grained biotite granite

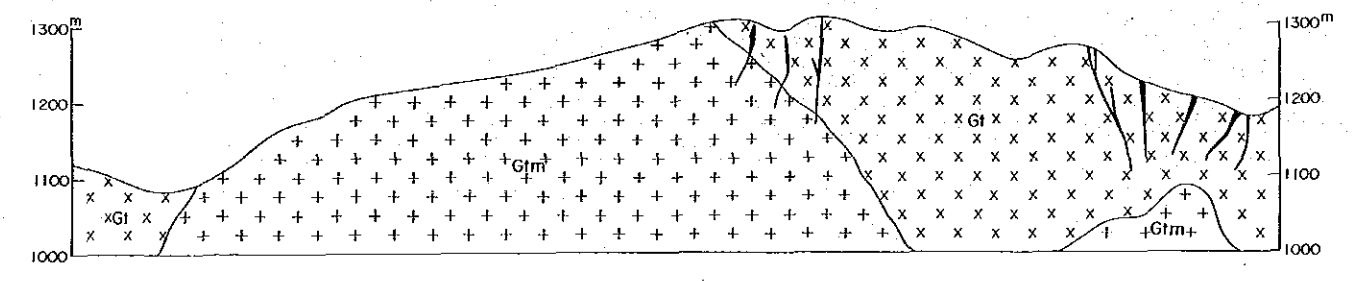
2. Geologic symbols

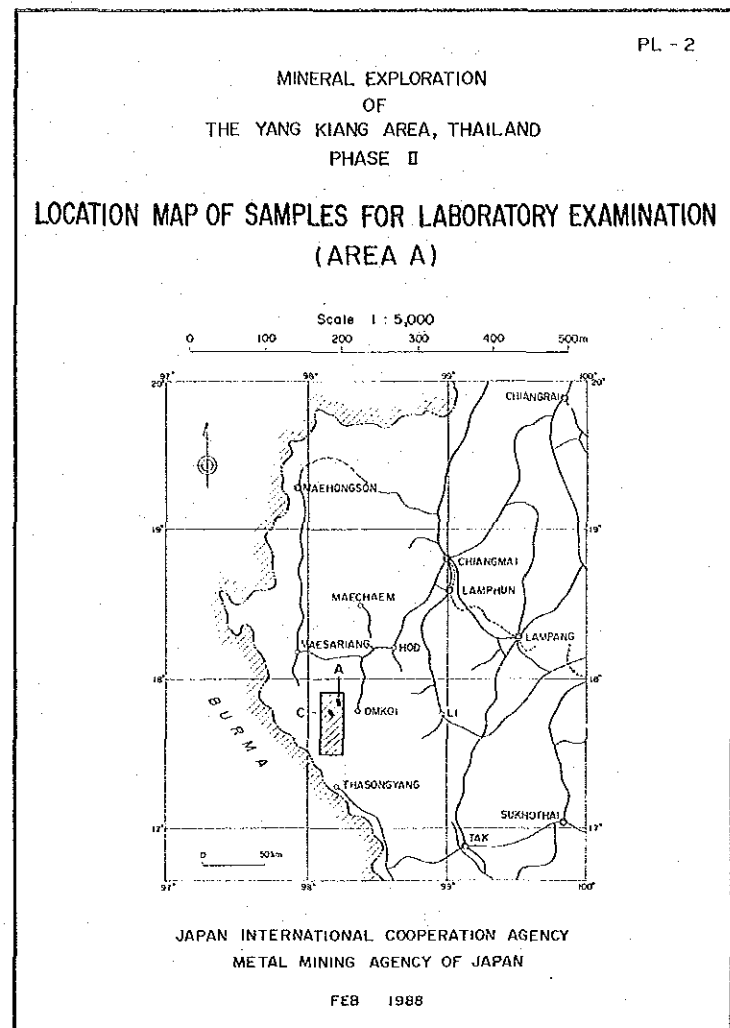
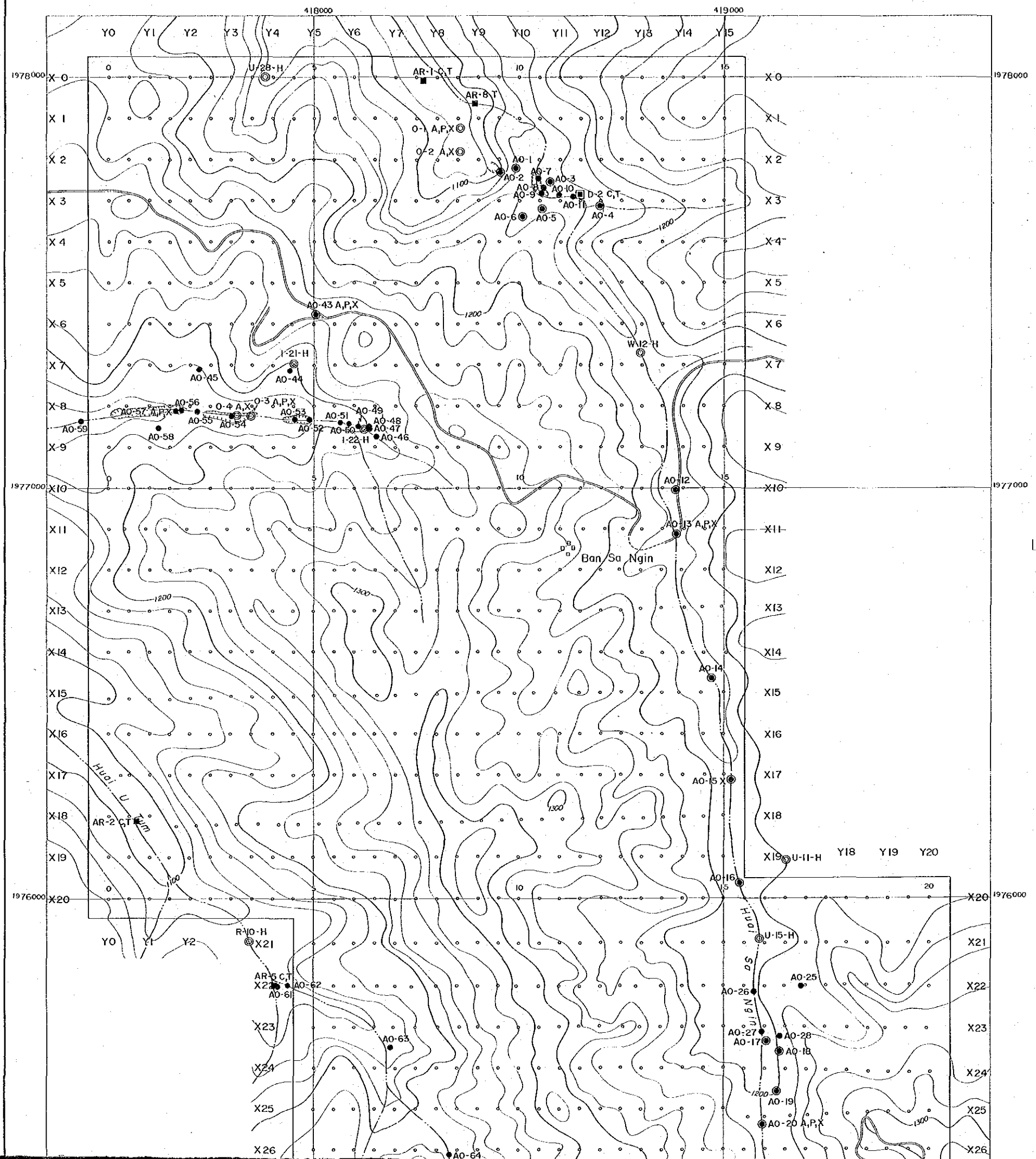
-  lineament
-  mine works (inactive)
-  profile line

GRID NORTH  
  
 GN

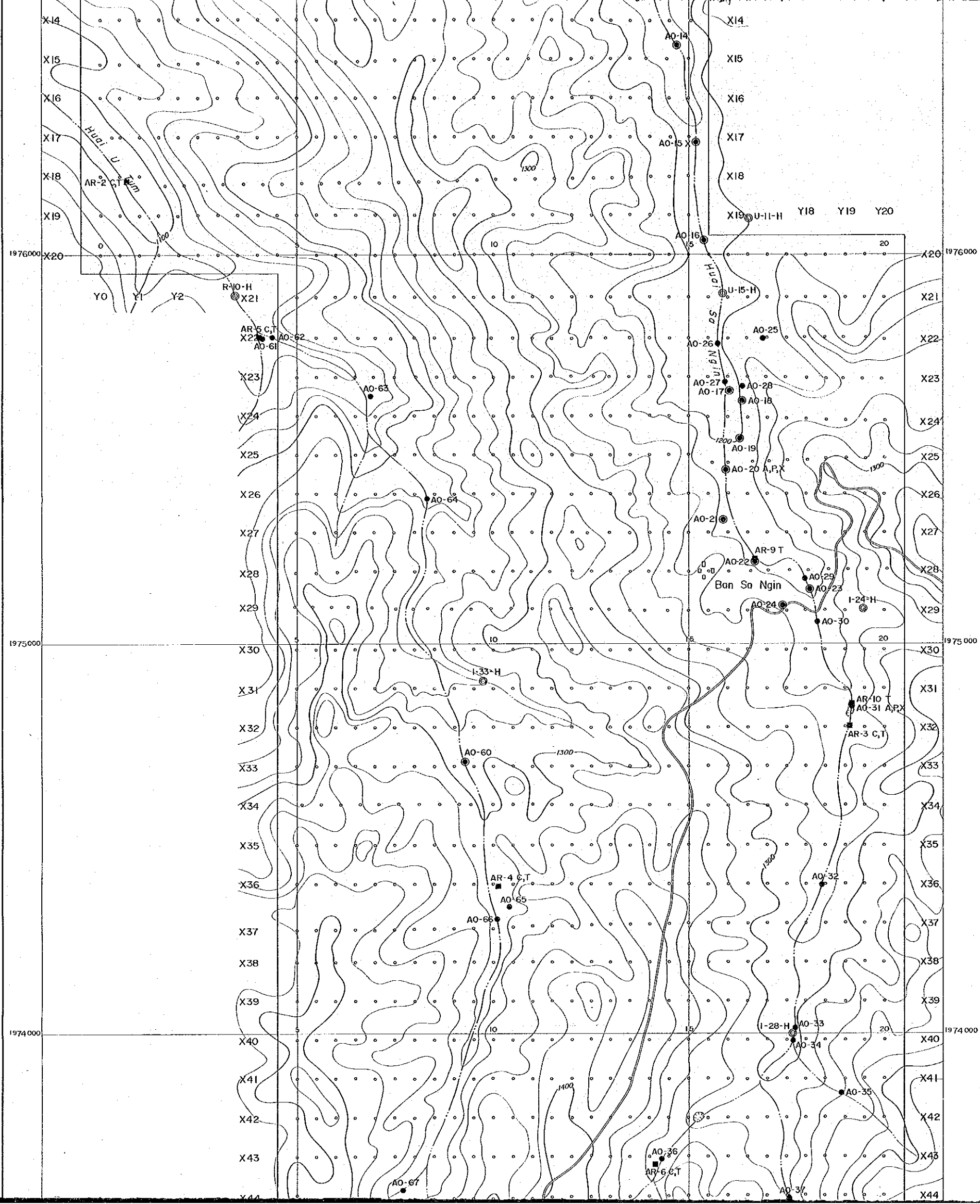


A - A'





- LEGEND**
- Sample
- Geochemical soil sample
  - Numbering system :  
X 8 - Y 10  
(Line no.) (Point no.)
  - AO-7 Panning sample (placer)
  - ◎ O-1 Panning sample (placer) (phase I, 1987)
  - ⊙ AO-1 Panning sample (pegmatite)
  - AR-1 Rock sample
  - ▣ D-2 Rock sample (phase I, 1987)
- Examination
- A ; Ore chemical analysis
  - C ; Whole-rock chemical analysis
  - P ; Polished thin section
  - T ; Thin section
  - X ; X-ray diffraction analysis

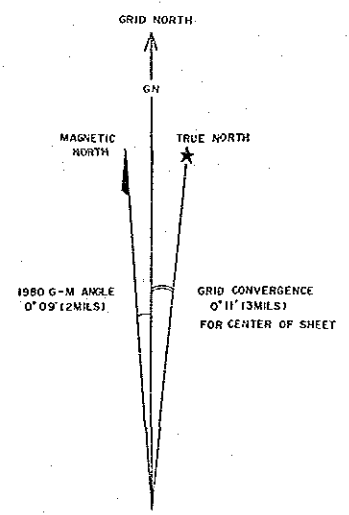
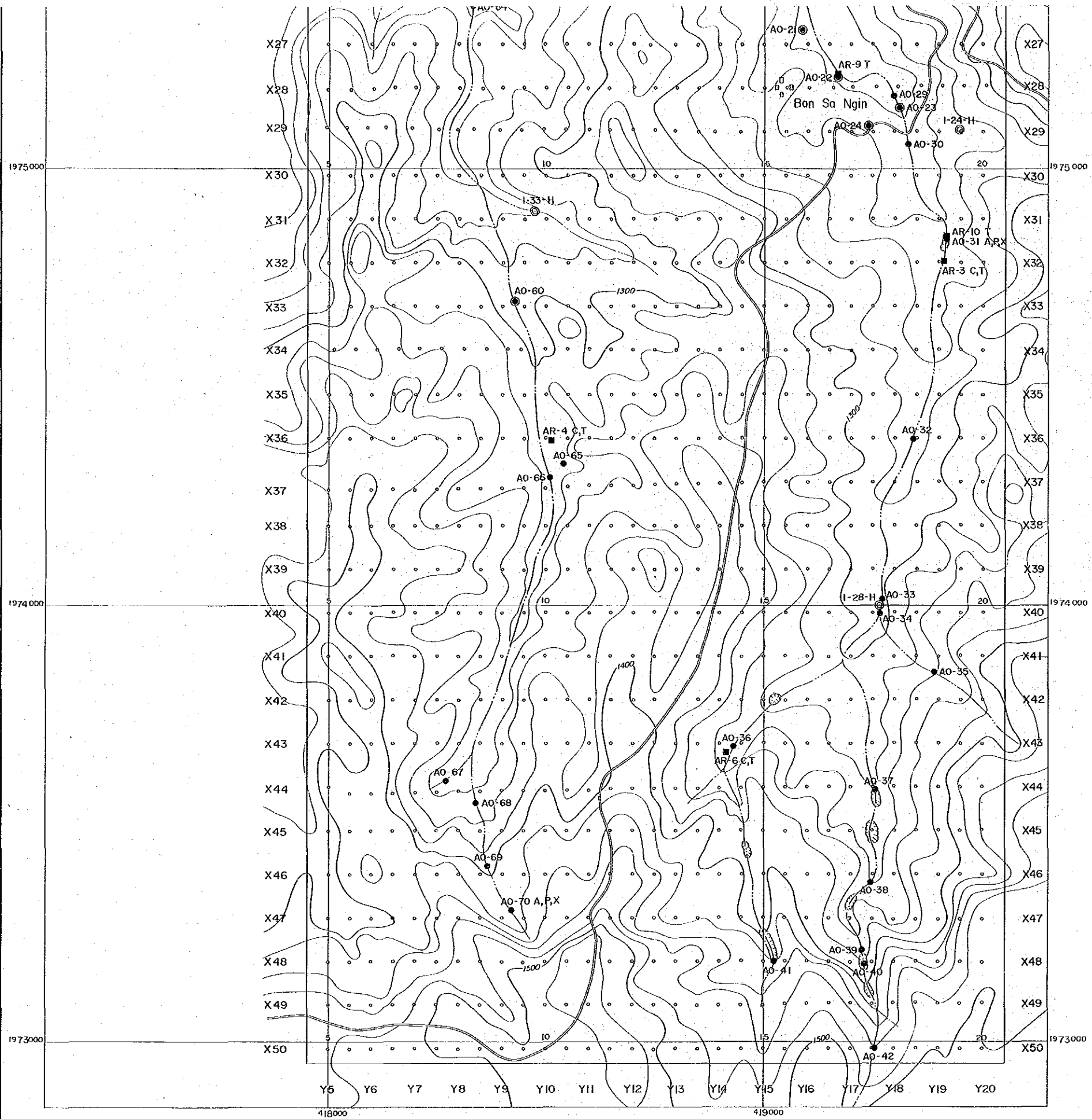


LEGEND

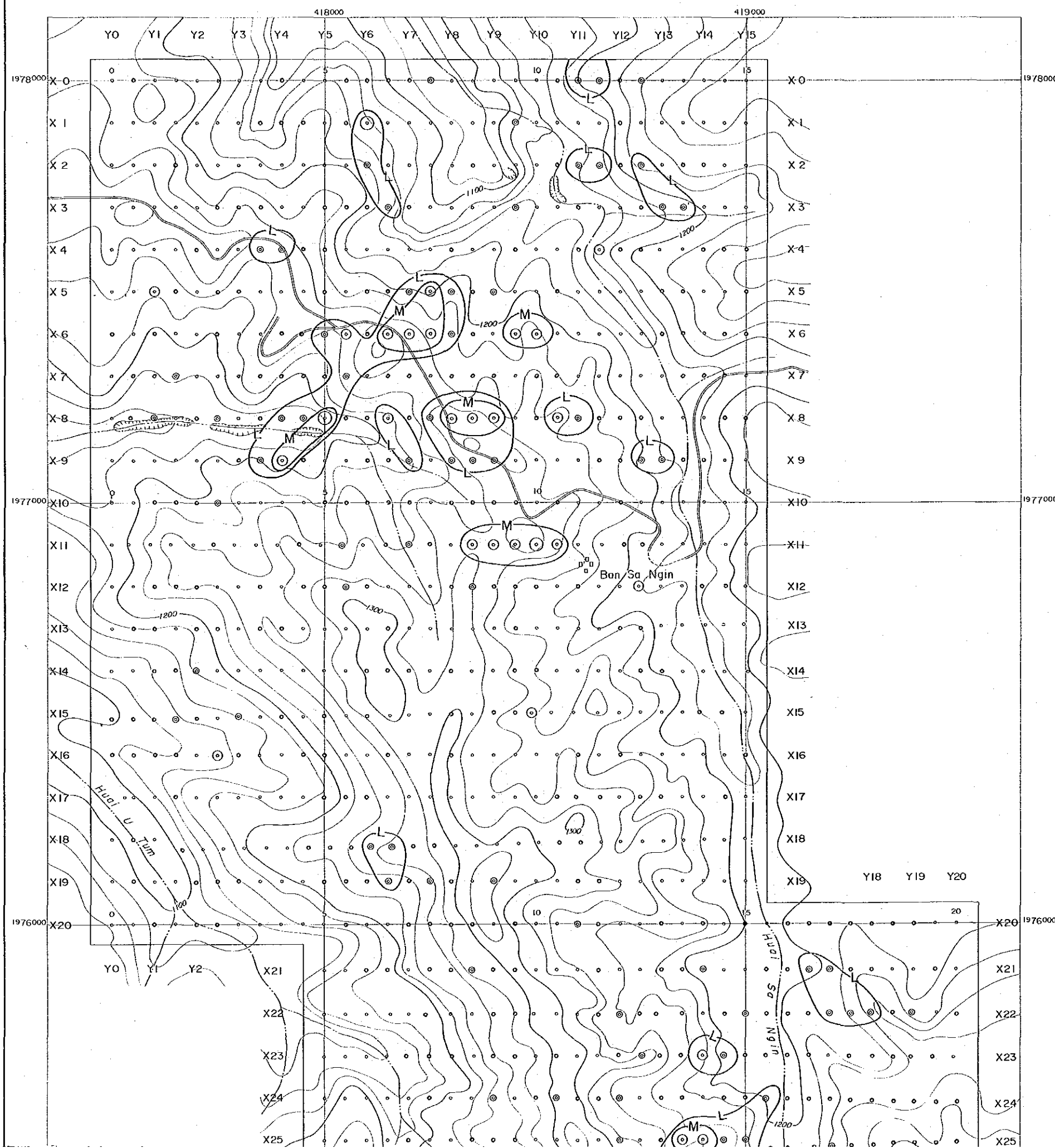
- Sample
- Geochemical soil sample
  - Numbering system :  
X8 - Y10  
(Line no.) (Point no.)
  - AO - 7 Panning sample (placer)
  - ⊙ O - 1 Panning sample (placer) (phase I, 1987)
  - ⊙ AO - 1 Panning sample (pegmatite)
  - AR - 1 Rock sample
  - ▣ D - 2 Rock sample (phase I, 1987)

- Examination
- A ; Ore chemical analysis
  - C ; Whole-rock chemical analysis
  - P ; Polished thin section
  - T ; Thin section
  - X ; X-ray diffraction analysis

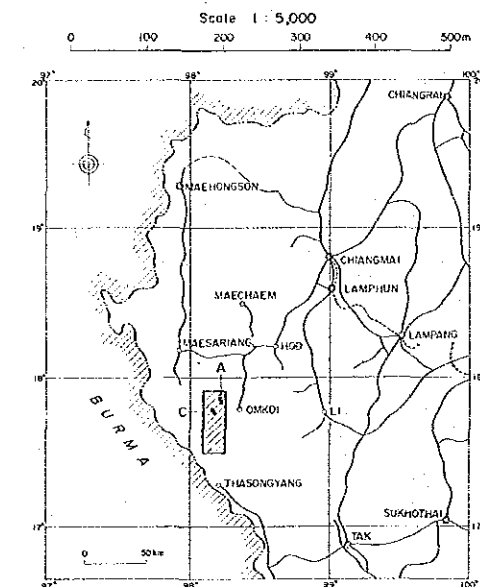
GRID NORTH







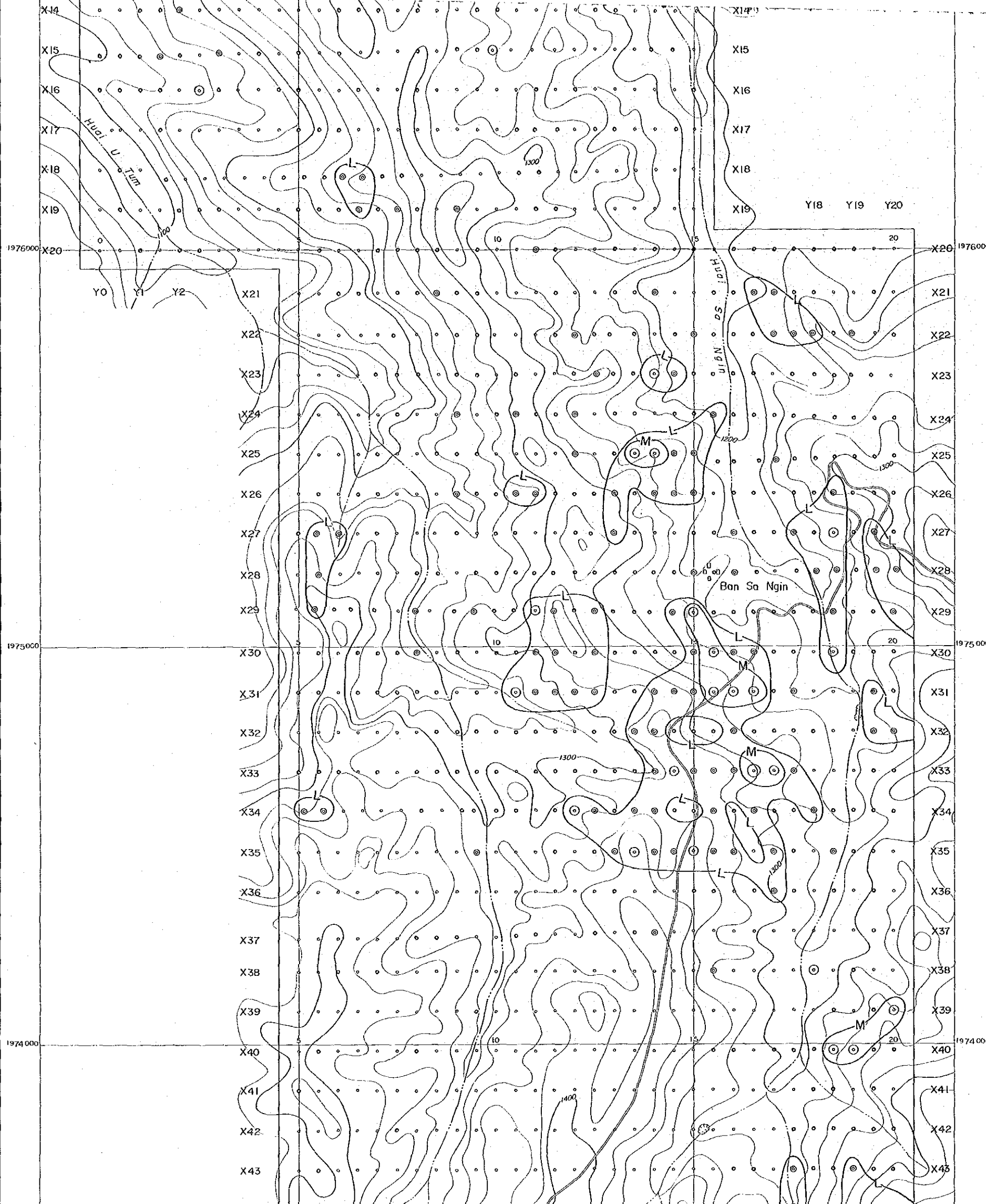
MINERAL EXPLORATION  
OF  
THE YANG KIANG AREA, THAILAND  
PHASE II  
**Nb CONTENT DISTRIBUTION MAP  
(AREA A)**



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**LEGEND**

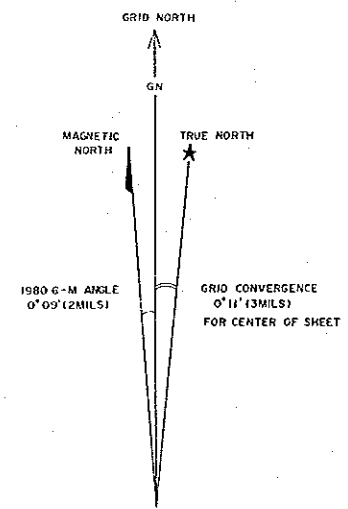
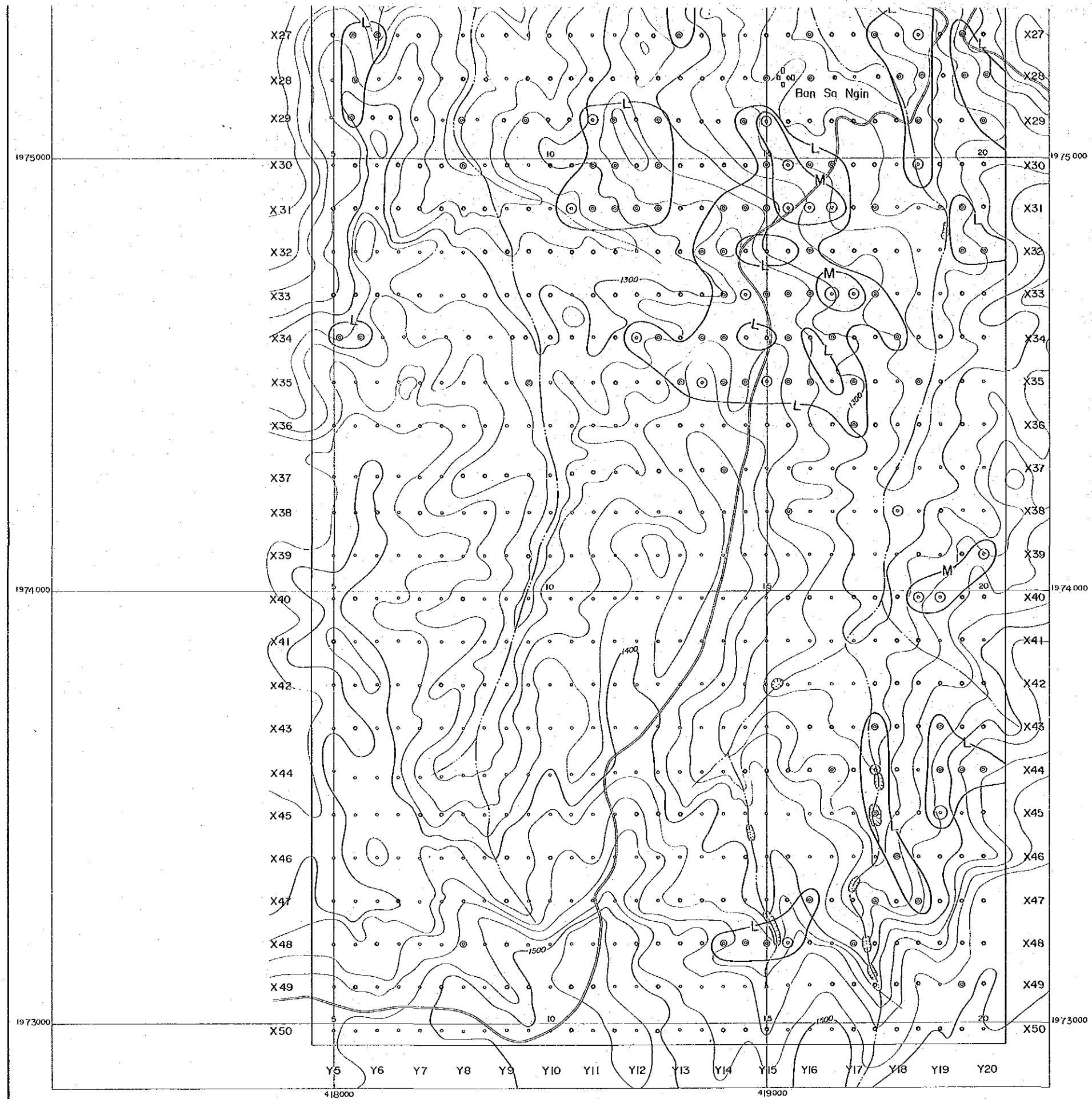
Class	Symbol	Range (ppm)
Anomaly	High (H)	$49 \leq Nb$
	Moderate (M)	$37 \leq Nb < 49$
	Low (L)	$29 \leq Nb < 37$
Background	High	$22 \leq Nb < 29$
	Low	$Nb < 22$
	X	Active mine works
	x	Inactive mine works



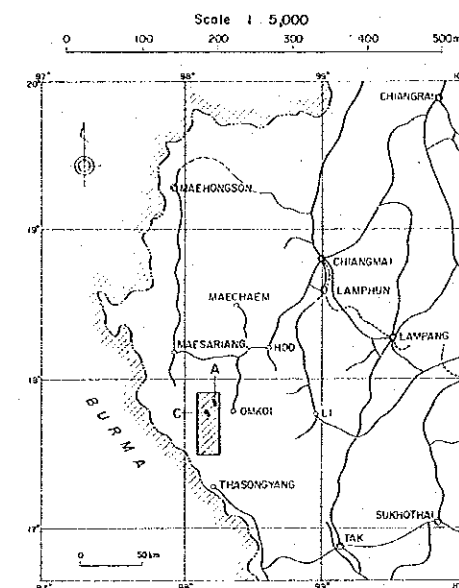
Class	Symbol	Range (ppm)
Anomaly	High (H)	49 $\geq$ Nb
	Moderate (M)	37 $\geq$ Nb < 49
	Low (L)	29 $\geq$ Nb < 37
Background	High	22 $\geq$ Nb < 29
	Low	Nb < 22

X Active mine works  
 X Inactive mine works

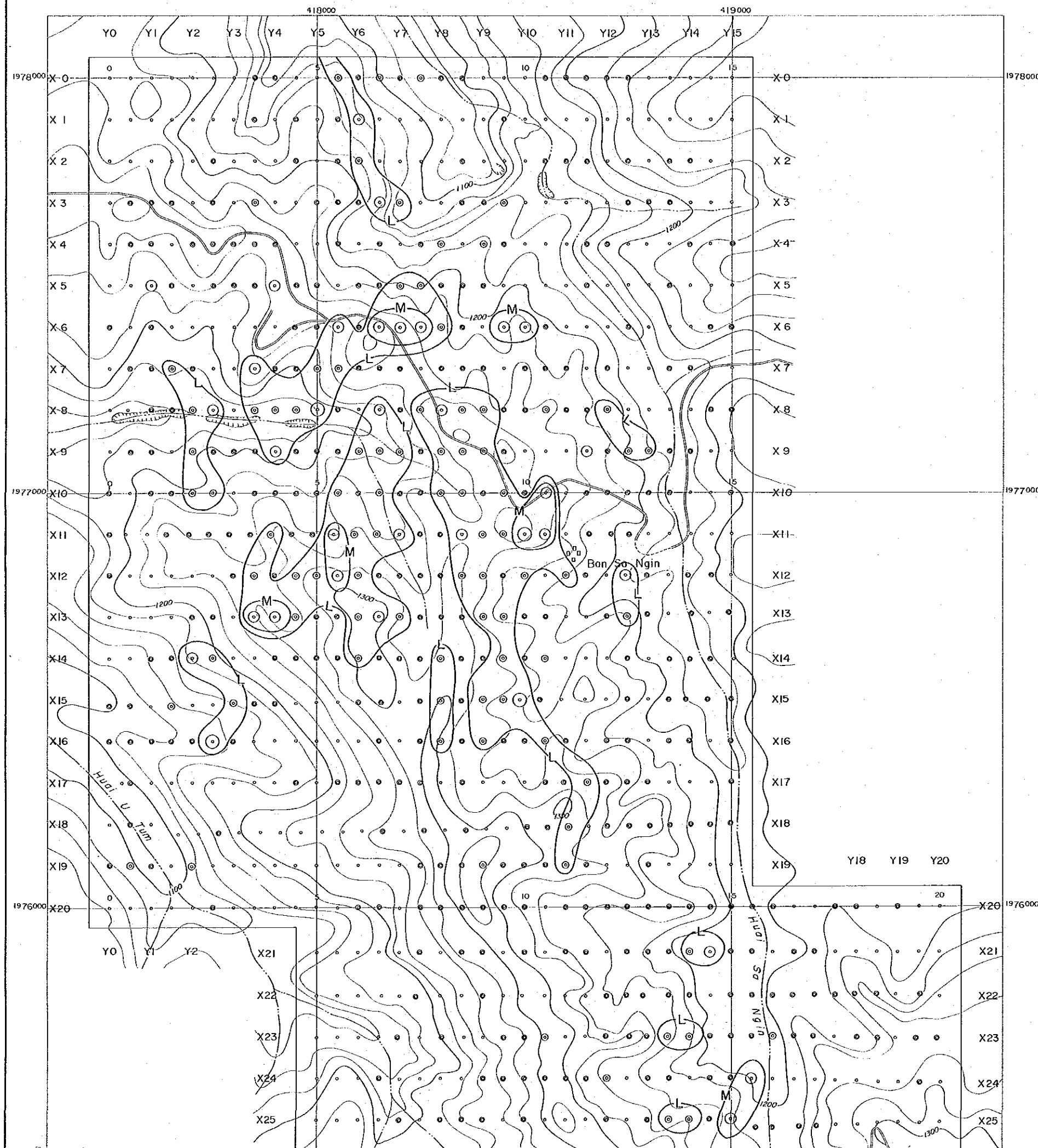
GRID NORTH  
↑



MINERAL EXPLORATION  
OF  
THE YANG KIANG AREA, THAILAND  
PHASE II  
**Ta CONTENT DISTRIBUTION MAP  
(AREA A)**



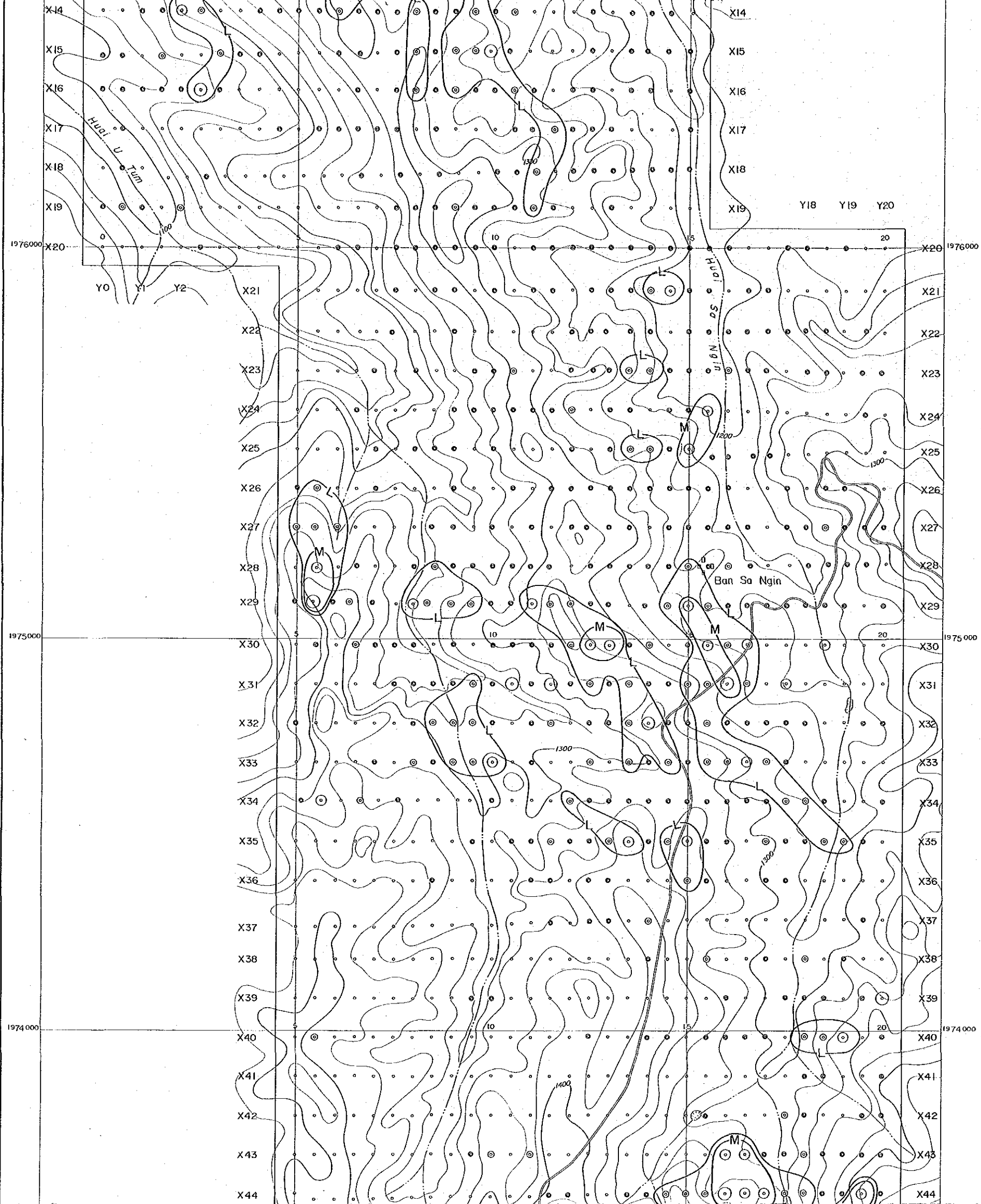
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FEB 1988



**LEGEND**

Class	Symbol	Range (ppm)
Anomaly	High (H)	$27 \leq Ta$
	Moderate (M)	$16 \leq Ta < 27$
	Low (L)	$9 \leq Ta < 16$
Background	High	$5 \leq Ta < 9$
	Low	$Ta < 5$

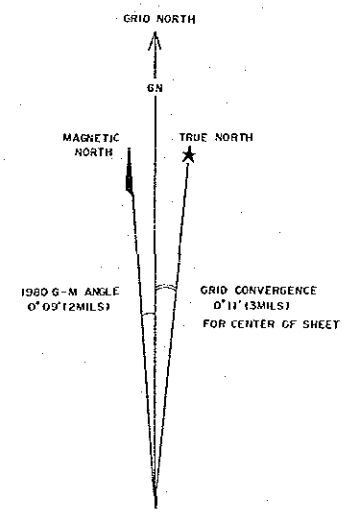
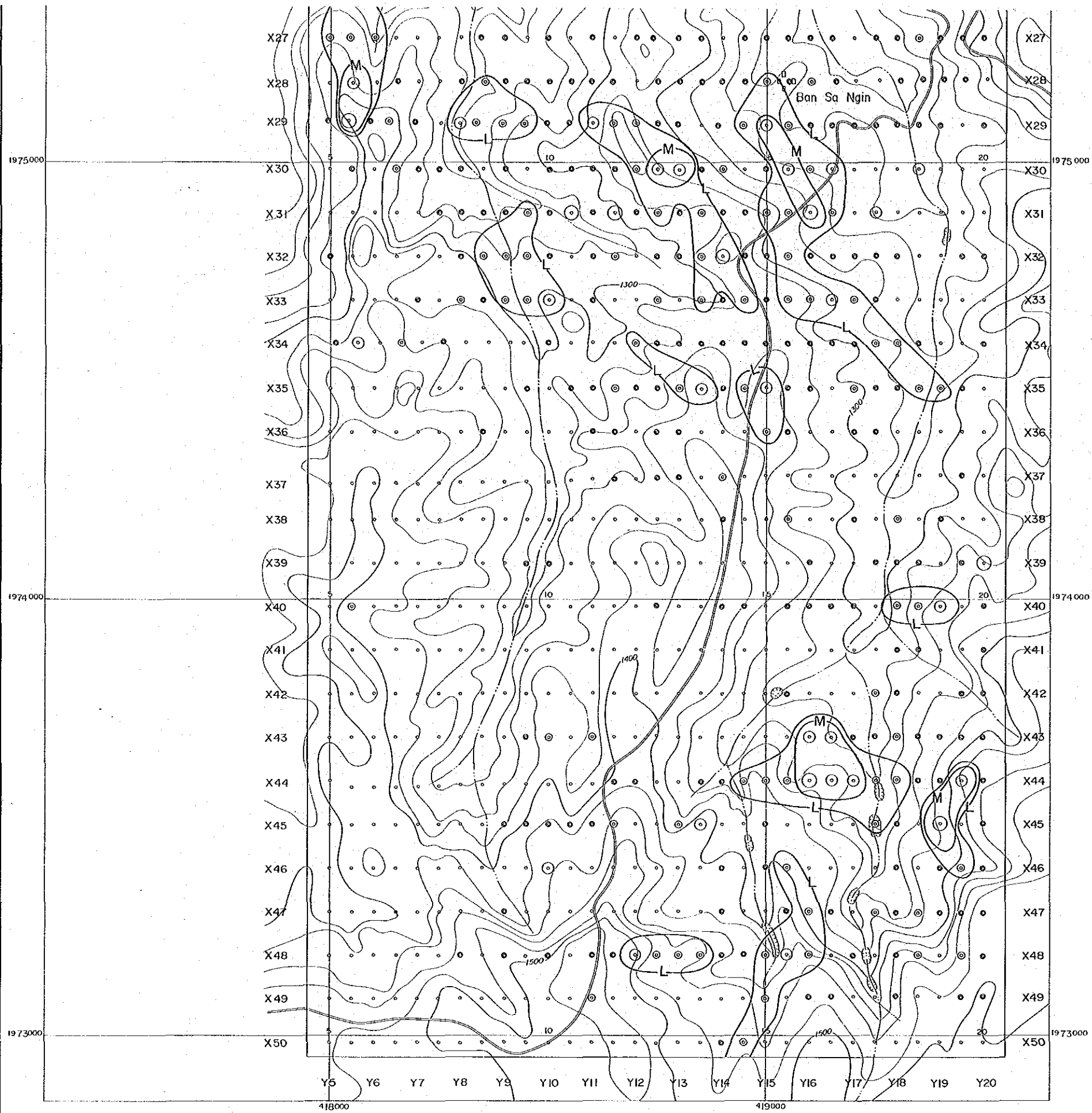
X Active mine works  
X Inactive mine works

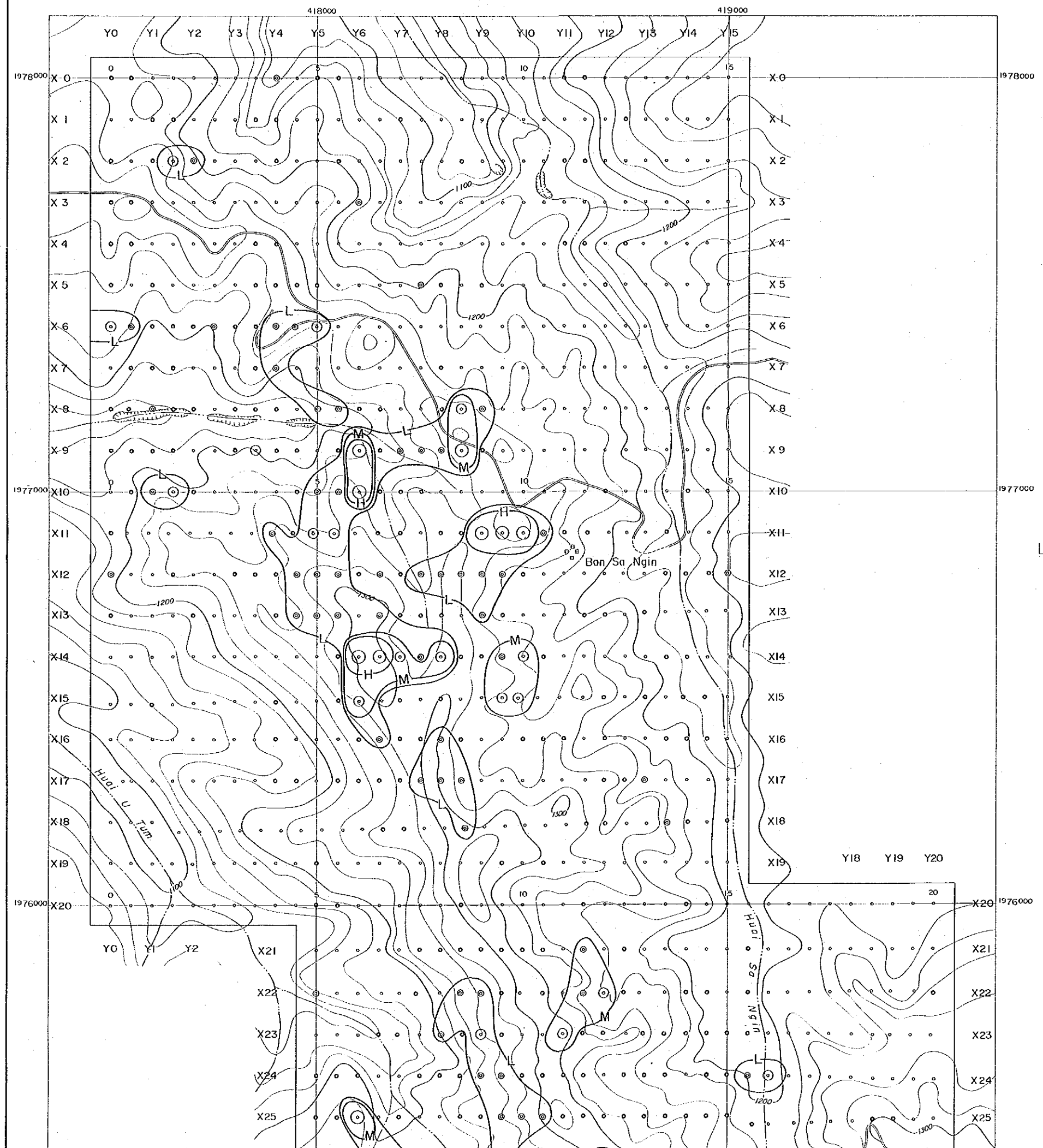


LEGEND

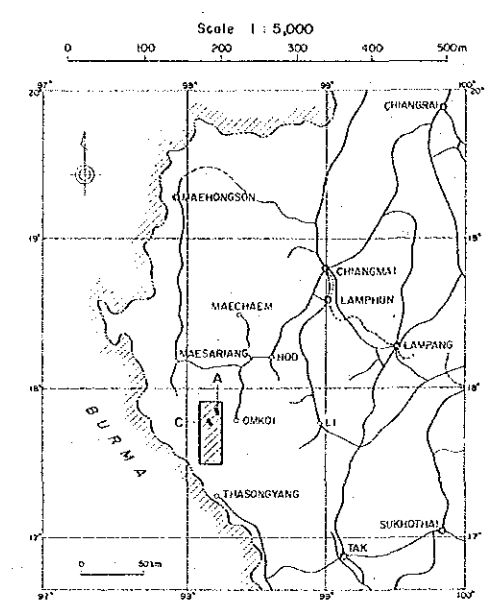
Class	Symbol	Range (ppm)
Anomaly	High (Circle with H)	$27 \leq Ta$
	Moderate (Circle with M)	$16 \leq Ta < 27$
	Low (Circle with L)	$9 \leq Ta < 16$
Background	High (Small circle)	$5 \leq Ta < 9$
	Low (Very small circle)	$Ta < 5$
	X	Active mine works
	X	Inactive mine works

GRID NORTH





MINERAL EXPLORATION  
OF  
THE YANG KIANG AREA, THAILAND  
PHASE II  
W CONTENT DISTRIBUTION MAP  
(AREA A)

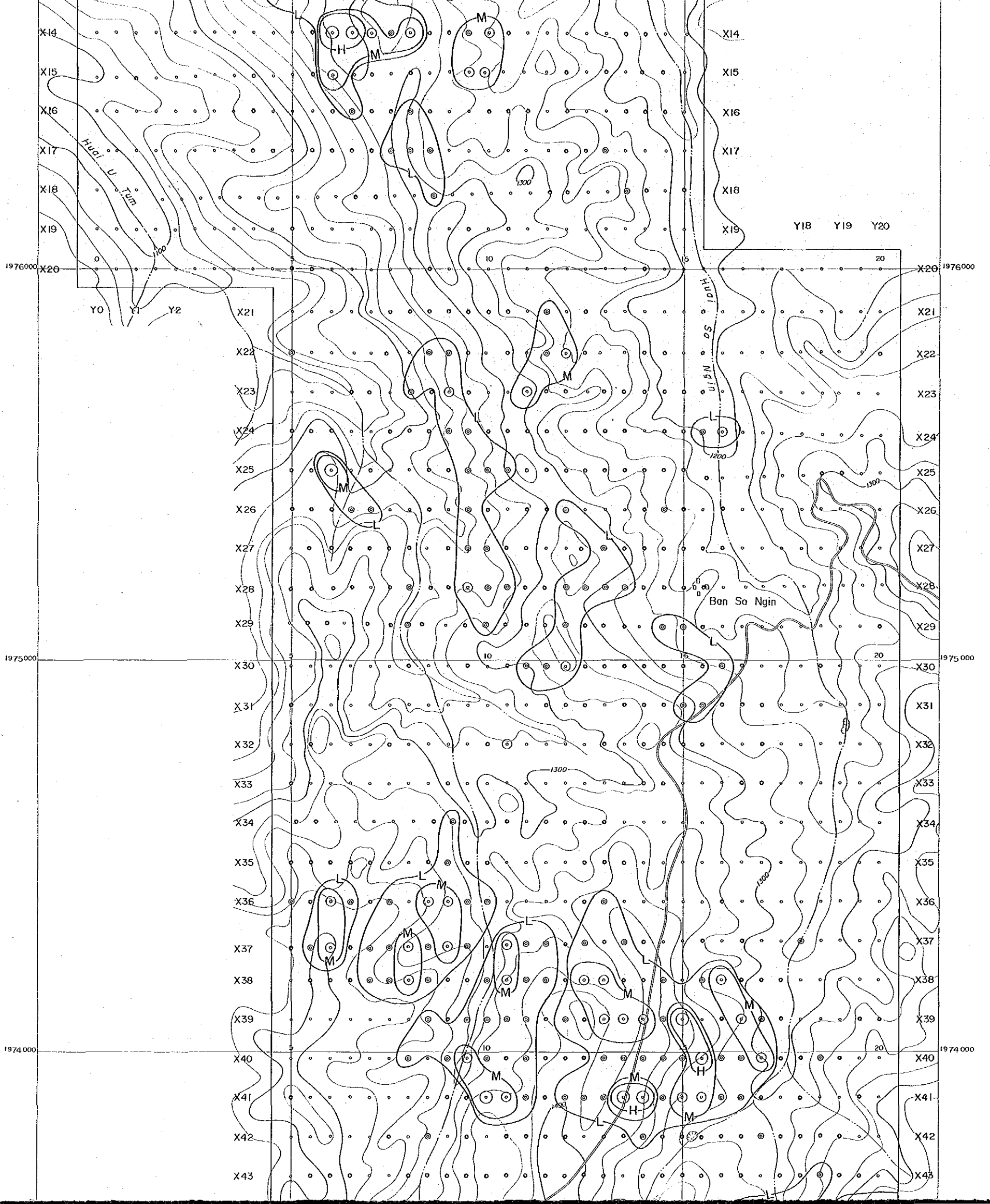


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METAL MINING AGENCY OF JAPAN  
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LEGEND

Class	Symbol	Range (ppm)
Anomaly	High (H)	$77 \geq W$
	Moderate (M)	$46 \leq W < 77$
	Low (L)	$28 \leq W < 46$
Background	High	$17 \leq W < 28$
	Low	$W < 17$

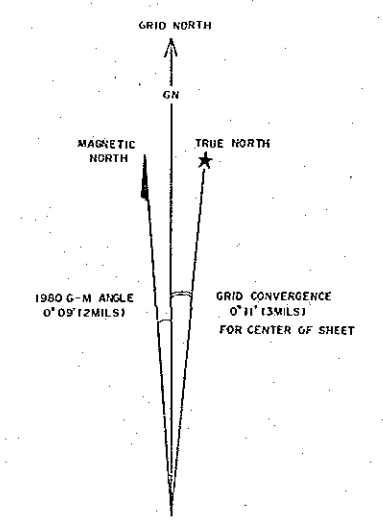
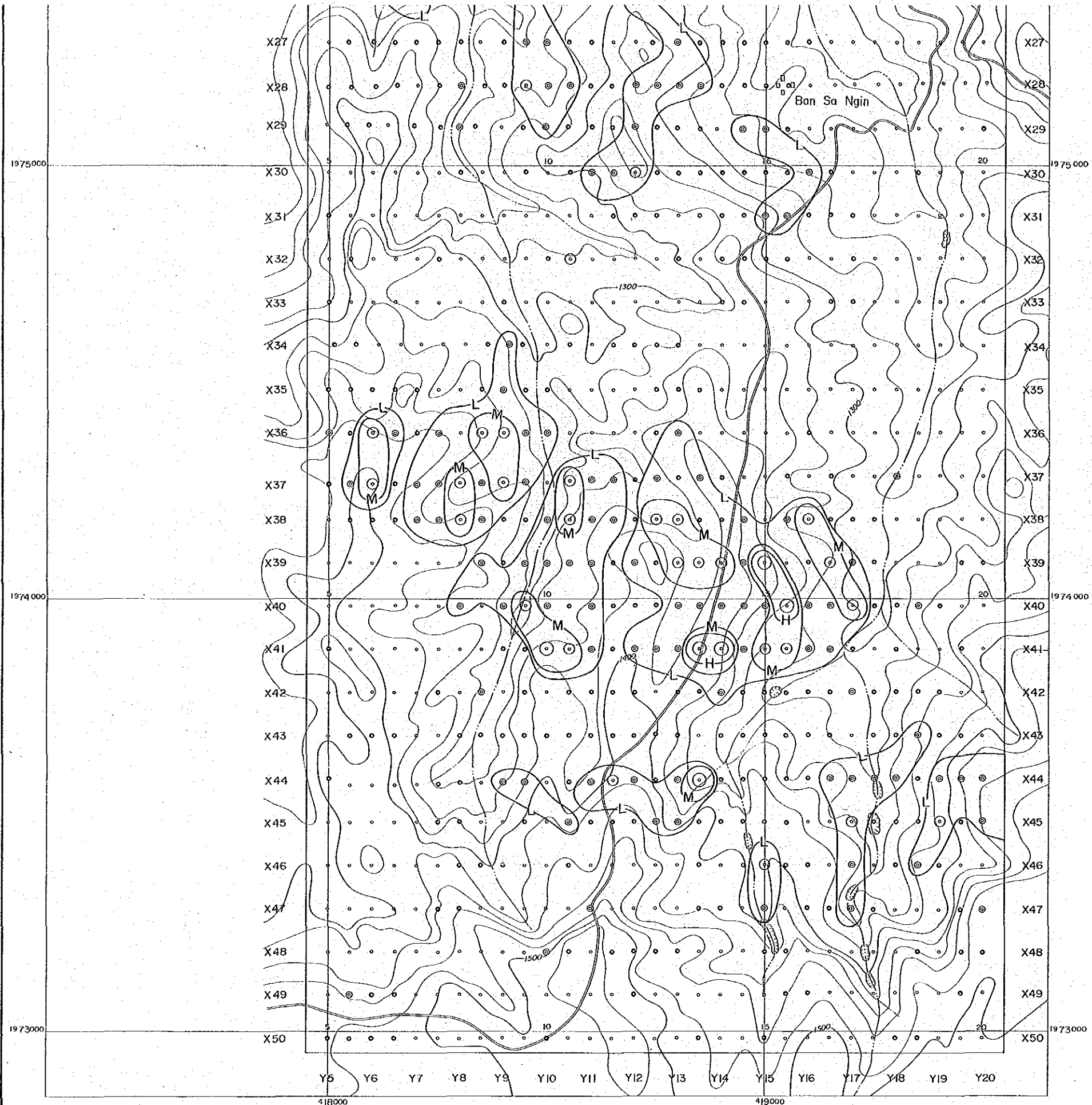
X Active mine works  
X Inactive mine works

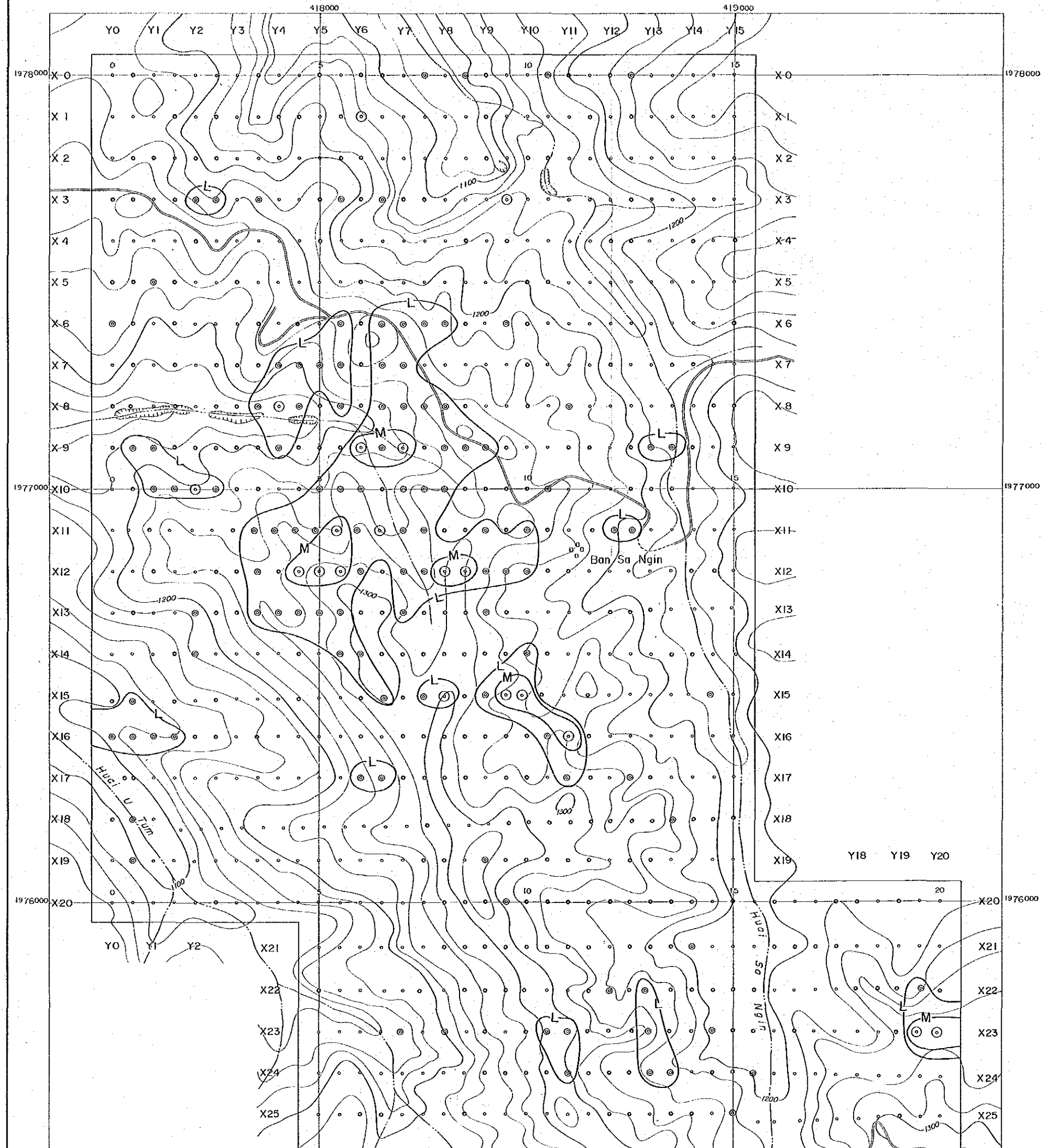


LEGEND

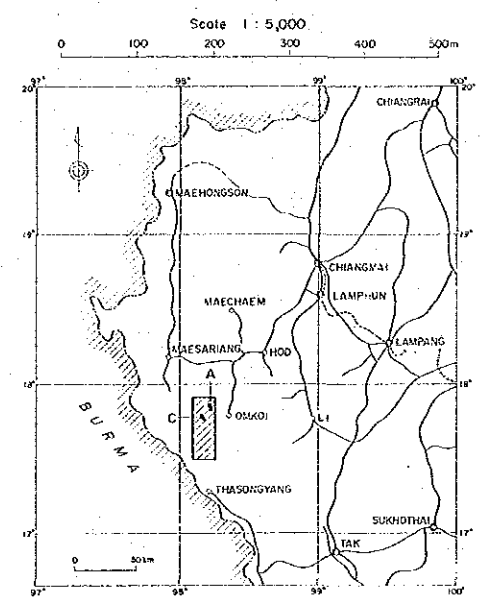
Class	Symbol	Range (ppm)
Anomaly	High (Large circle with 'H')	$77 \leq W$
	Moderate (Medium circle with 'M')	$46 \leq W < 77$
	Low (Small circle with 'L')	$28 \leq W < 46$
Background	High (Large open circle)	$17 \leq W < 28$
	Low (Small open circle)	$W < 17$
	X (with dot)	Active mine works
	X (without dot)	Inactive mine works







MINERAL EXPLORATION  
OF  
THE YANG KIANG AREA, THAILAND  
PHASE II  
**Sn CONTENT DISTRIBUTION MAP  
(AREA A)**

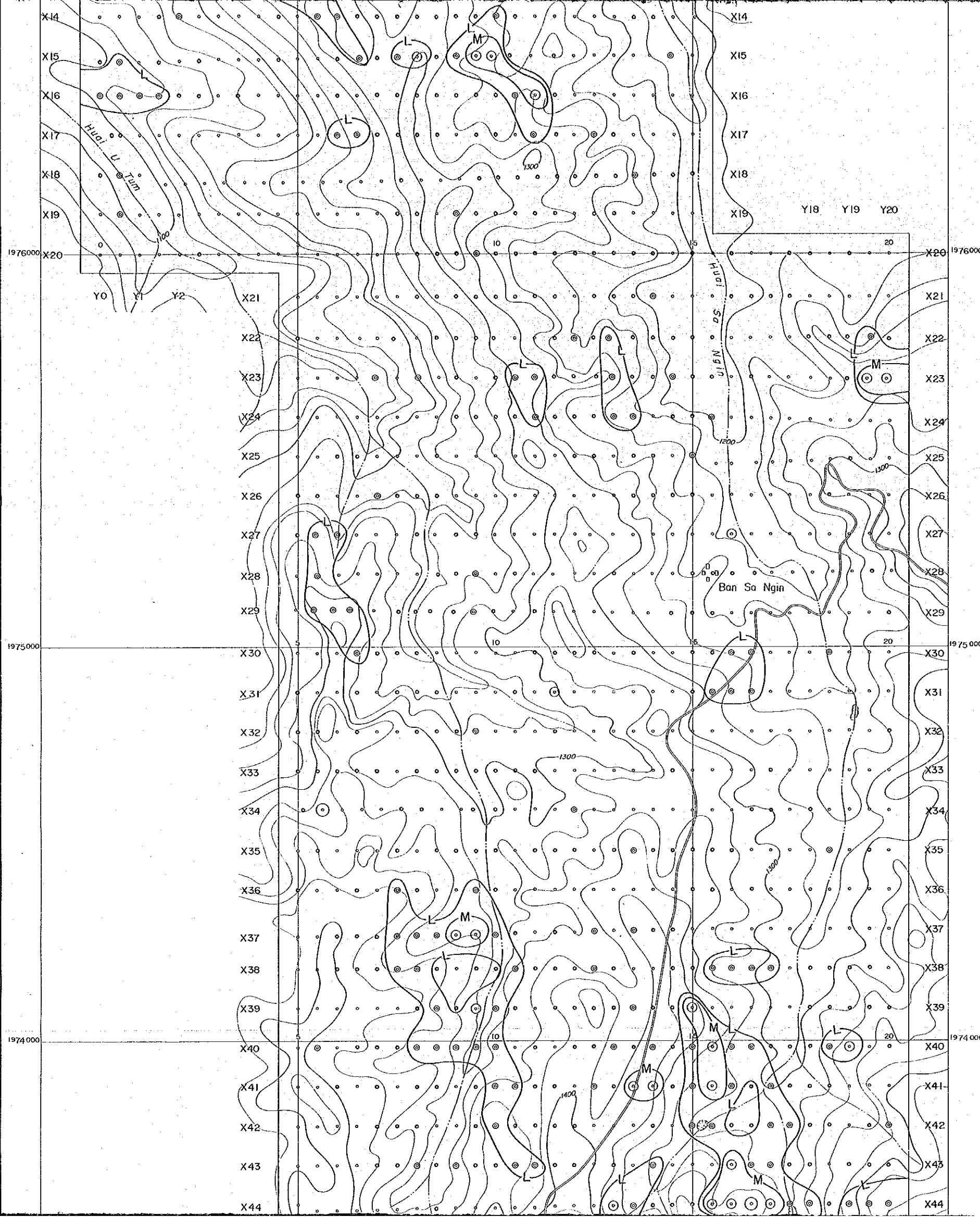


JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEB 1988

**LEGEND**

Class	Symbol	Range (ppm)
Anomaly	High (H in circle)	$79 \leq Sn$
	Moderate (M in circle)	$61 \leq Sn < 79$
	Low (L in circle)	$46 \leq Sn < 61$
Background	High (dot)	$35 \leq Sn < 46$
	Low (dot)	$Sn < 35$

X Active mine works  
X Inactive mine works



LEGEND

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	X	Active mine works
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GRID NORTH

