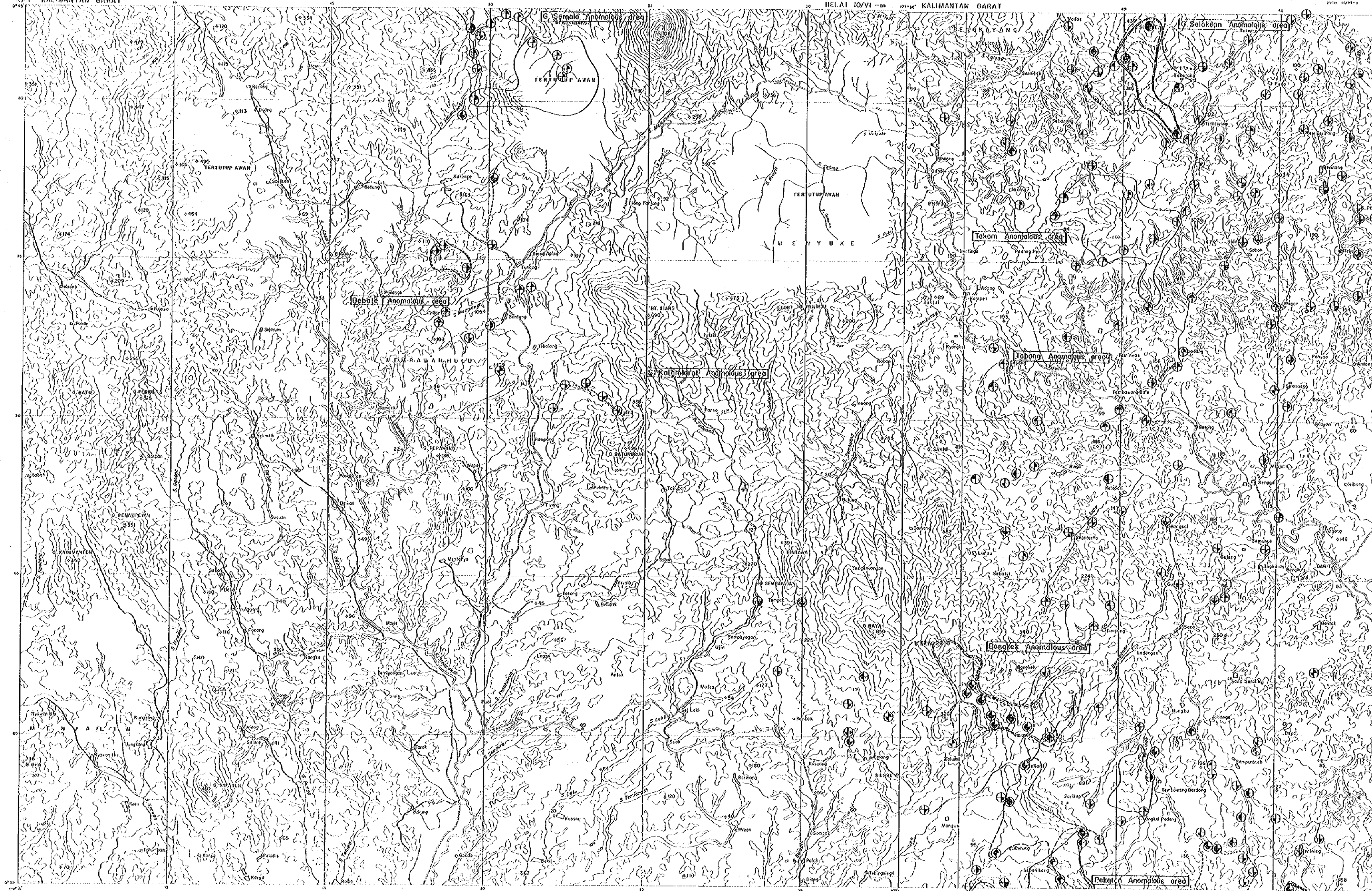


2010, 75: 1-10. (2010)
 2010, 75: 1-10. (2010)

KALIMANTAN BARAT

35A
HELAI 10/VI-10 101310 KALIMANTAN BARAT

DARIT

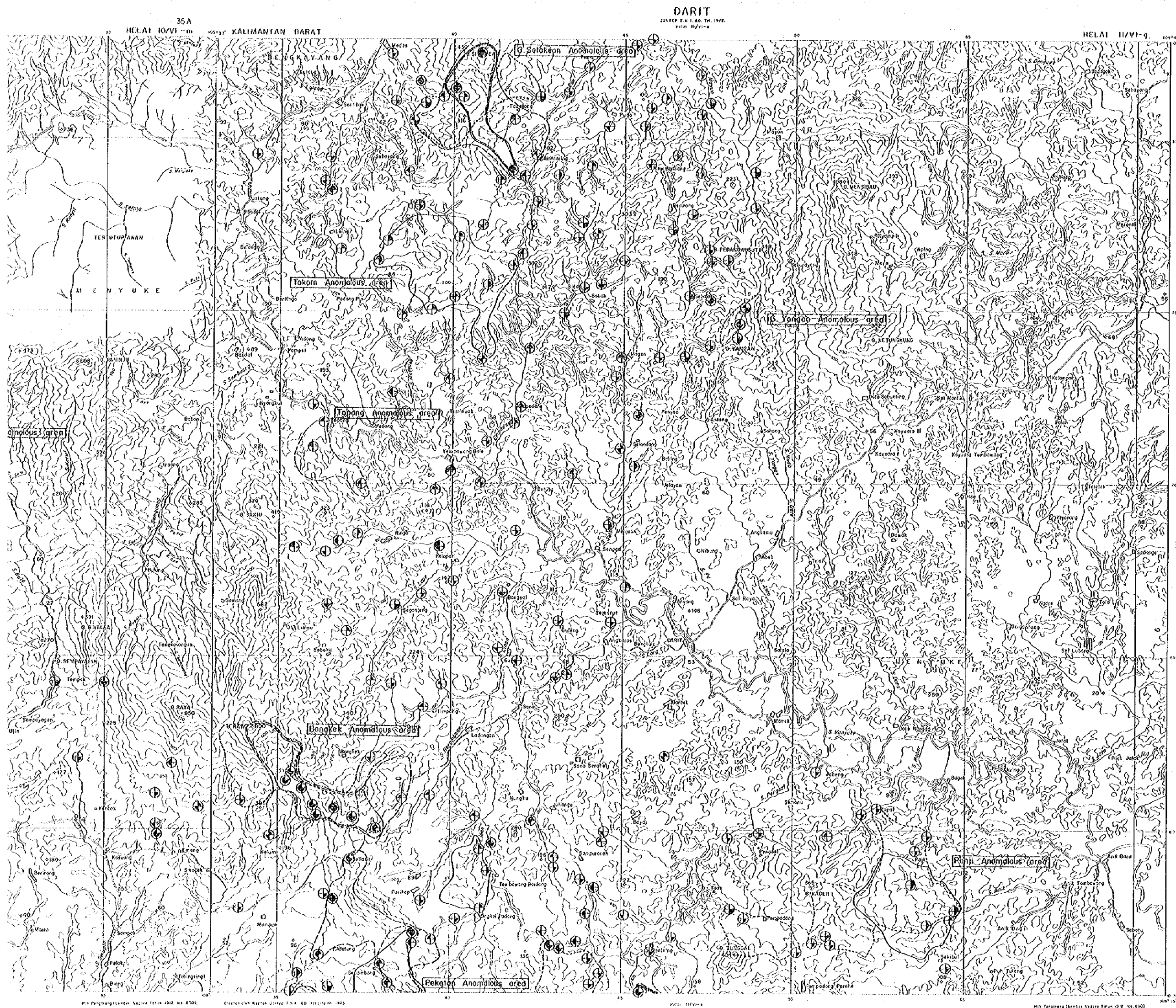


DECLASS. AUTHORITY: 25 USC 552, 552A

Mon BergsorgsBefehl N:o 112 (1912 N:o 650).

Оценки чл. 48 Конституции СССР № 40, 21 октября 1975

H₂O: 17/91 = 0



PL. 6-2

METAL MINING AGENCY OF JAPAN
JAPAN INTERNATIONAL
COOPERATION AGENCY

DIRECTORATE OF MINERAL
RESOURCES
DIRECTORATE GENERAL
OF MINES
MINISTRY OF MINES
AND ENERGY

METALLIC MINERAL EXPLORATION SURVEY
IN
WEST KALIMANTAN INDONESIA

MAP OF GEOCHEMICAL ANOMALIES

Scale 1:50,000

February, 1981

PL. 6-1

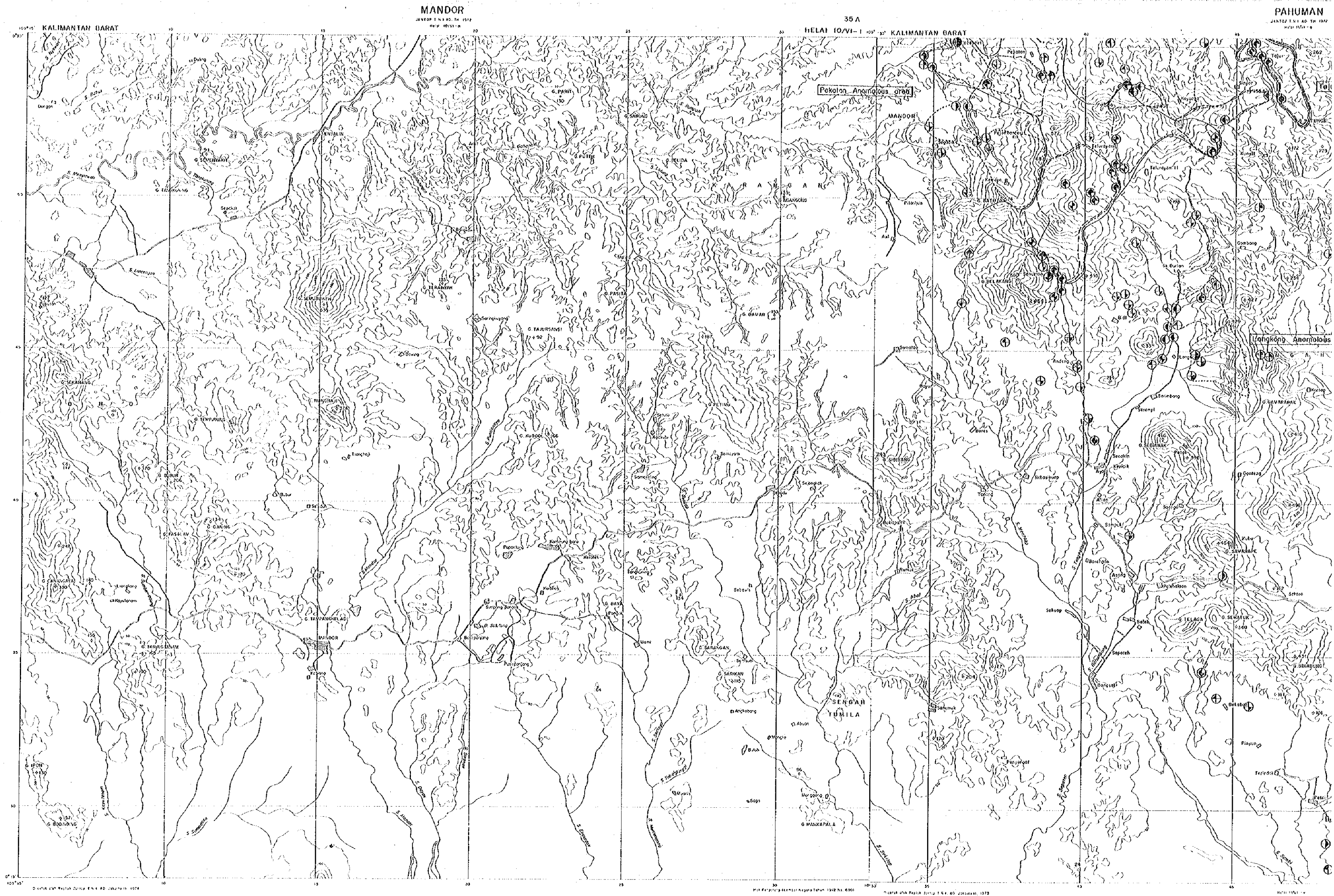
PL. 6-2

PL. 6-3

LEGEND

First class Anomaly ($\geq X + 2\sigma$)	Second class Anomaly ($X + \sigma > \geq X + 1\sigma$)
Cu	
Pb	
Zn	
Mo	

○	Cu - Geochemical anomalous area
○	Pb - Geochemical anomalous area
○	Zn - Geochemical anomalous area
○	Mo - Geochemical anomalous area



KALIMANTAN BARAT

MANDOR

JANUARY 1978

HEAT 10/VI-1

35 A

HEAT 10/VI-1

PAHUMAN

JANUARY 1978

HEAT 10/VI-1

102° 15'

10

20

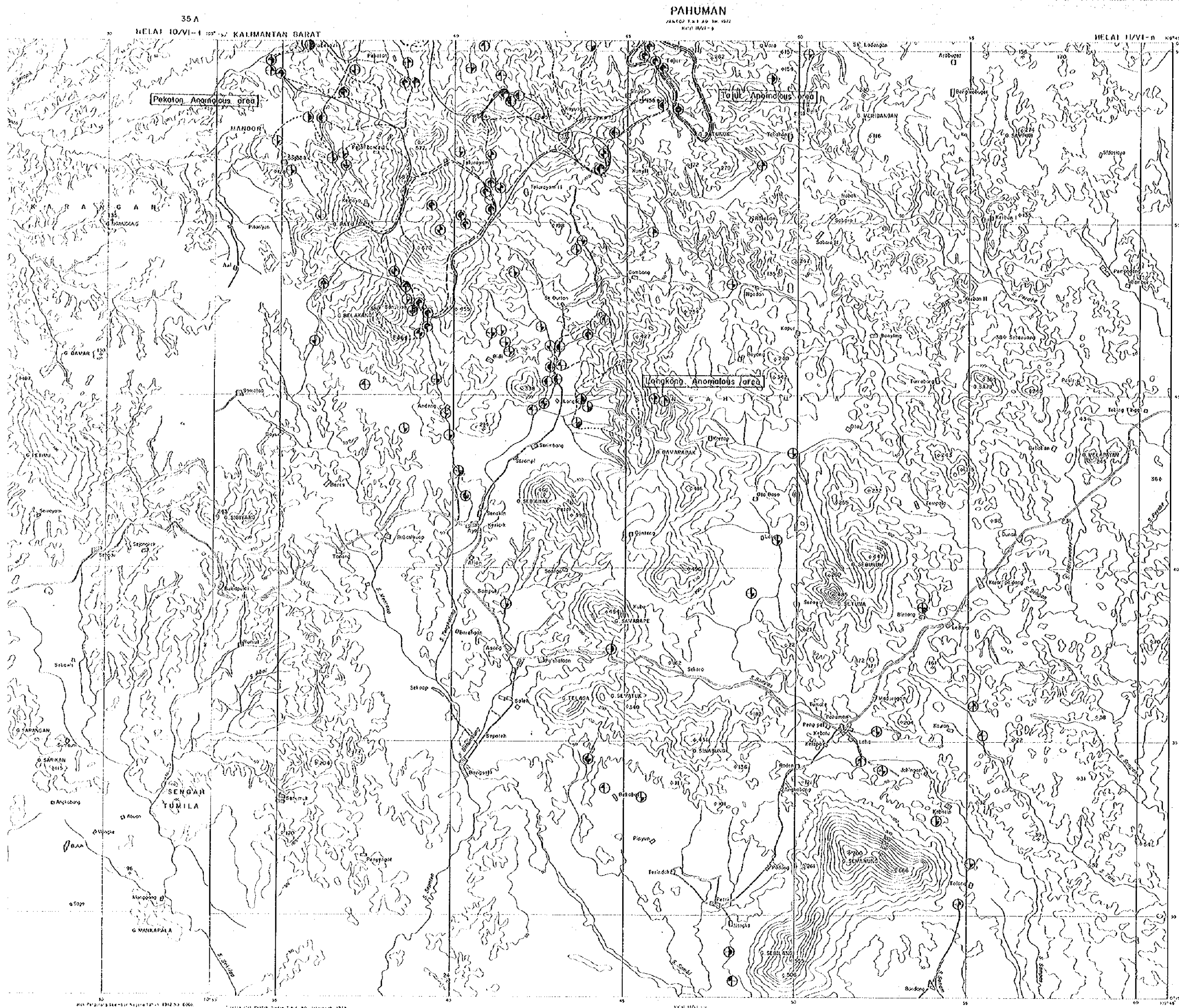
30

40

50

60

HEAT 10/VI-1



METAL MINING AGENCY OF JAPAN
JAPAN INTERNATIONAL
COOPERATION AGENCY

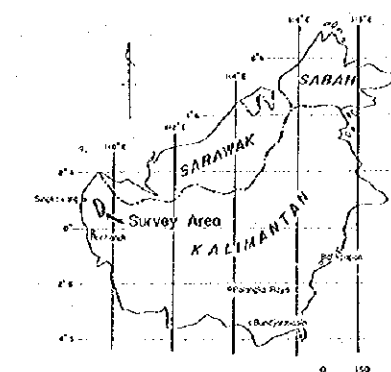
DIRECTORATE OF MINERAL
RESOURCES
DIRECTORATE GENERAL
OF MINES
MINISTRY OF MINES
AND ENERGY

METALLIC MINERAL EXPLORATION SURVEY
IN
WEST KALIMANTAN INDONESIA

MAP OF GEOCHEMICAL ANOMALIES

Scale 1:50,000

0 1 2 3 4 km



February 1981

PL.6-1

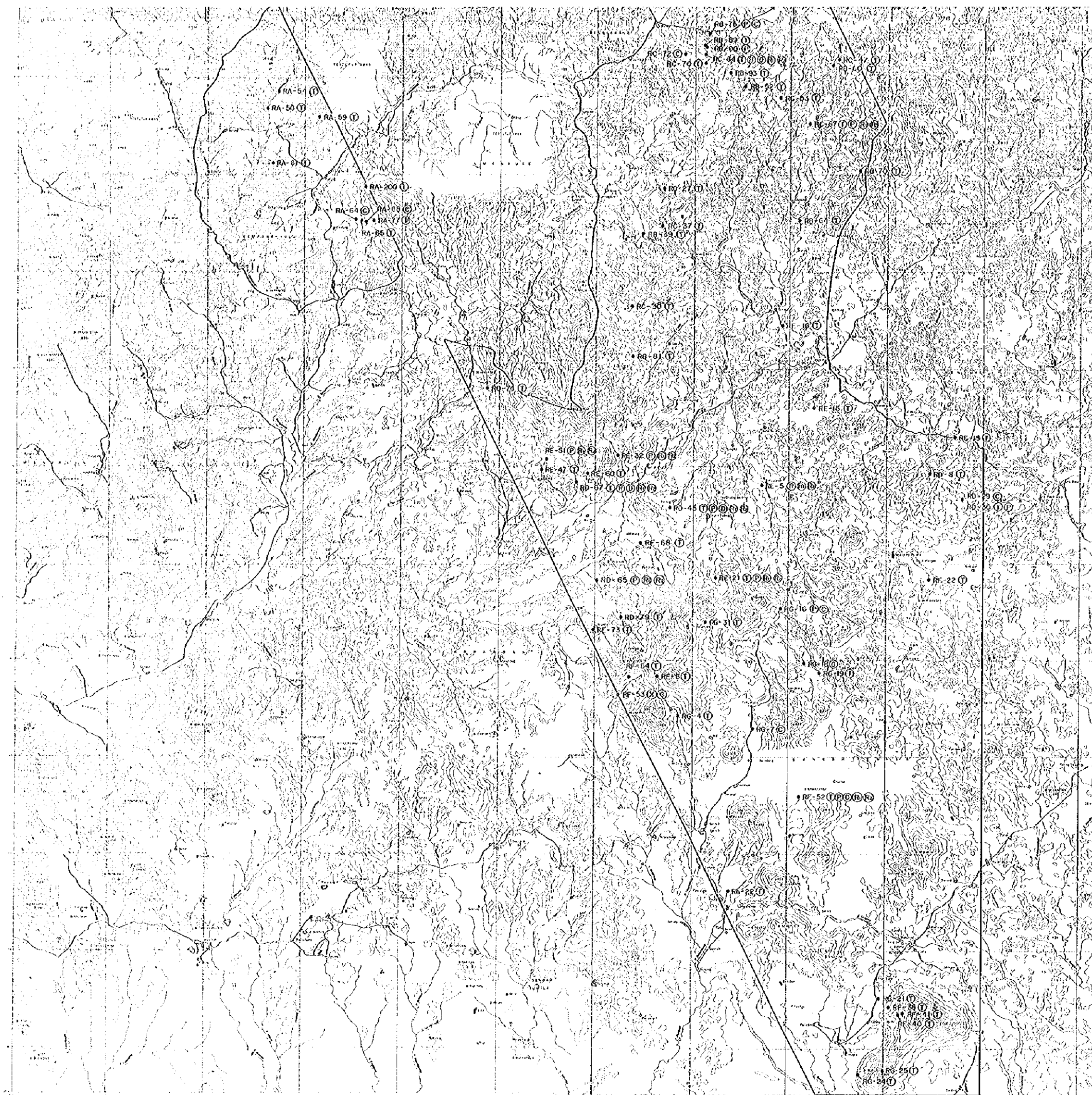
PL.6-2

PL.6-3

LEGEND

First class Anomaly ($\geq \bar{X} + 2\sigma$)	Second class Anomaly ($\bar{X} + 2\sigma > \geq \bar{X} + 1\sigma$)
Cu	
Pb	
Zn	
Mo	

- Cu - Geochemical anomalous area
- Pb - Geochemical anomalous area
- Zn - Geochemical anomalous area
- Mo - Geochemical anomalous area



LEGEND

- ☐ Thin section
☒ X-Ray analysis
☐ K-Ar dating
☐ Polished section
☐ Mineral chemical analysis
☐ Rock chemical analysis for whole composition
☐ Rock chemical analysis for Ti_2W

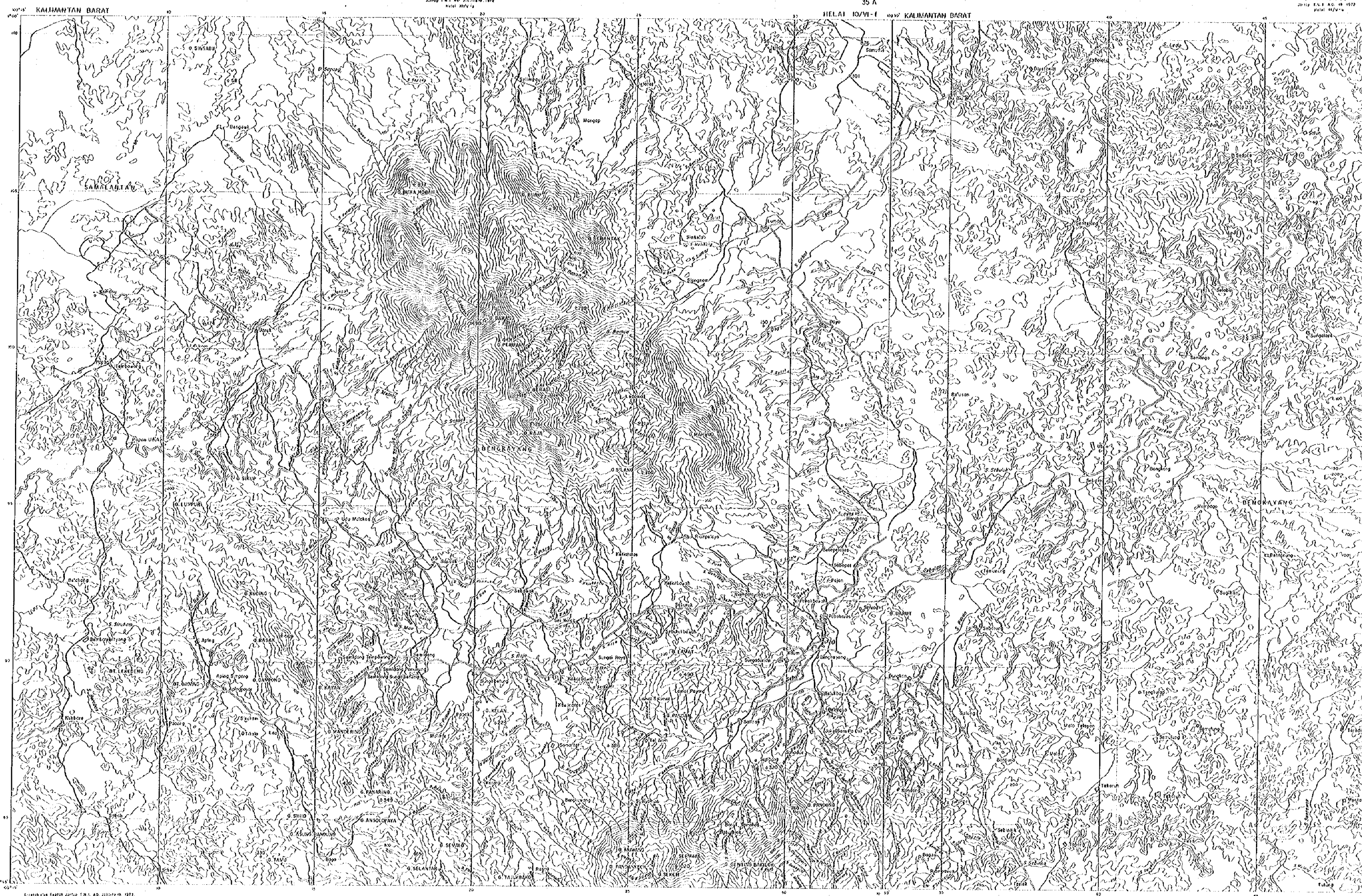
BENGKAYANG

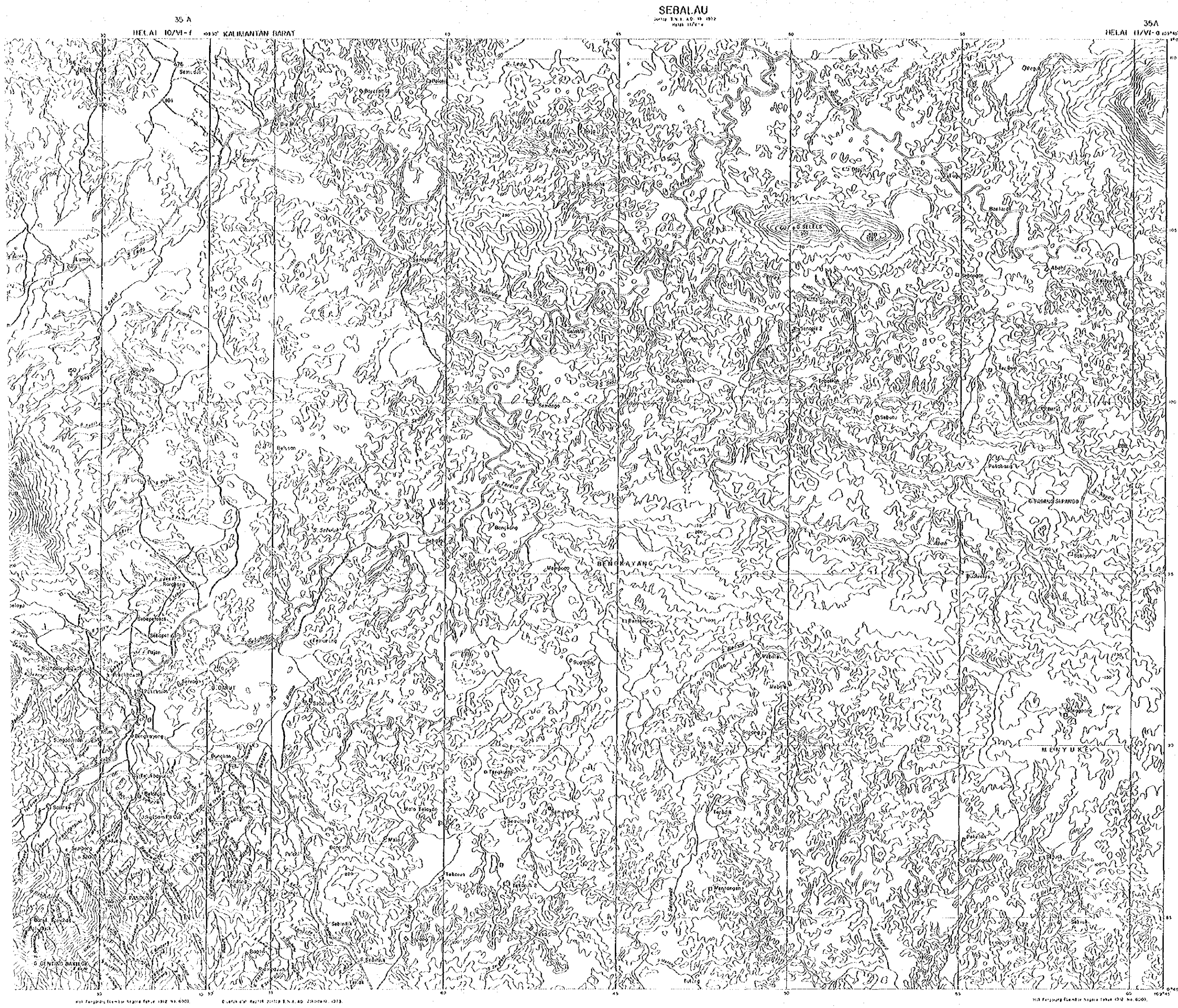
20110 E.A. 10 10 1972
Scale 1:50,000

35 A

SEBALAU

20110 E.A. 10 10 1972
Scale 1:50,000





03117
03117

PL 8-1

METAL MINING AGENCY OF JAPAN
JAPAN INTERNATIONAL
COOPERATION AGENCY

DIRECTORATE OF MINERAL RESOURCES
DIRECTORATE GENERAL
OF MINES
MINISTRY OF MINES
AND ENERGY
REPUBLIC OF INDONESIA

METALLIC MINERAL EXPLORATION SURVEY
IN
WEST KALIMANTAN INDONESIA

MAP OF RIVERS NAME

Scale 1:50,000

0 1 2 3 4 Km

February - 1981

PL 8-1
PL 8-2
PL 8-3



KARANGAN

20112 EMB 4.6.11.1972

Sheet 0701-E

35 A

HELAI 10/VI - m

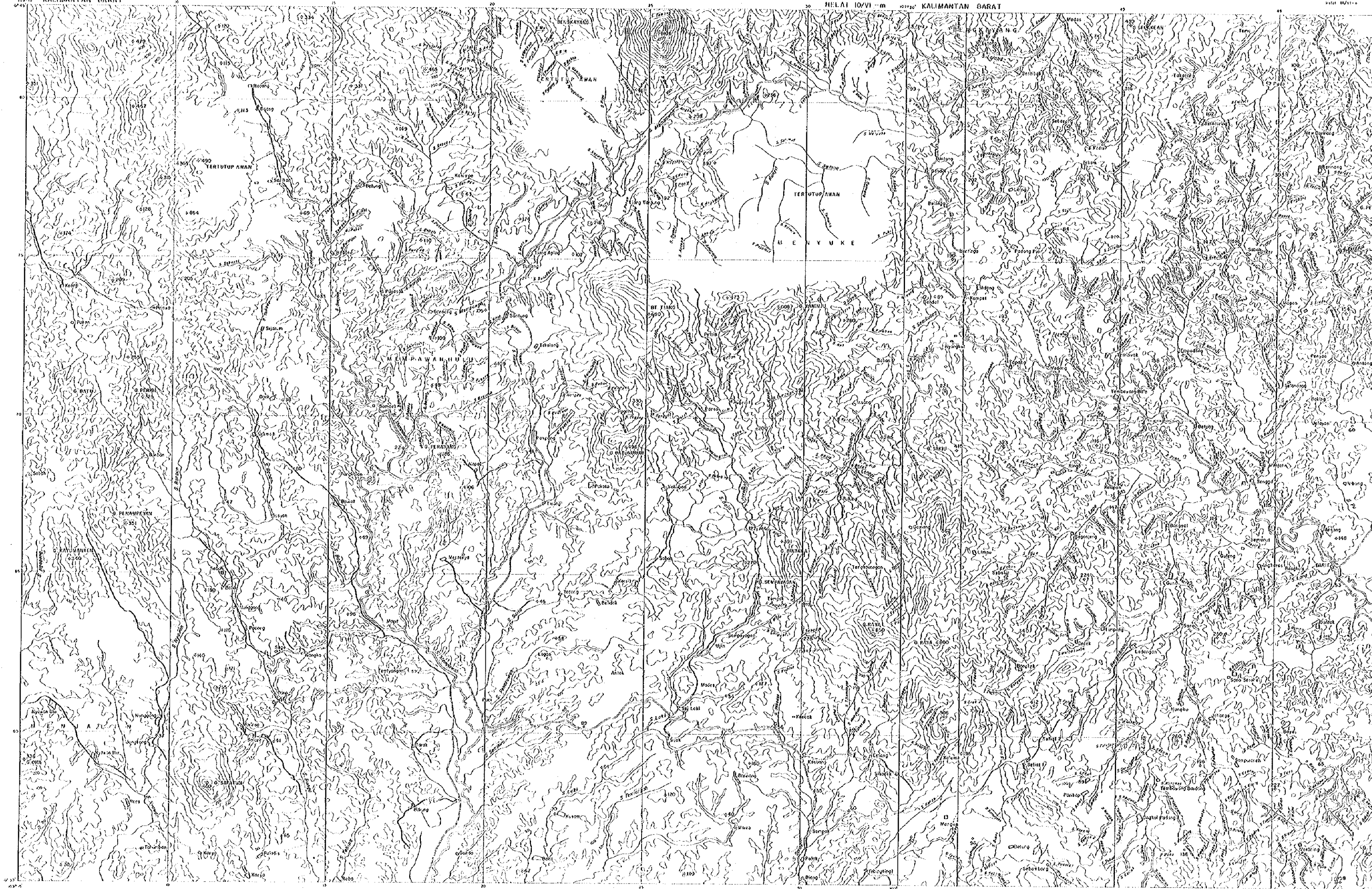
KALIMANTAN BARAT

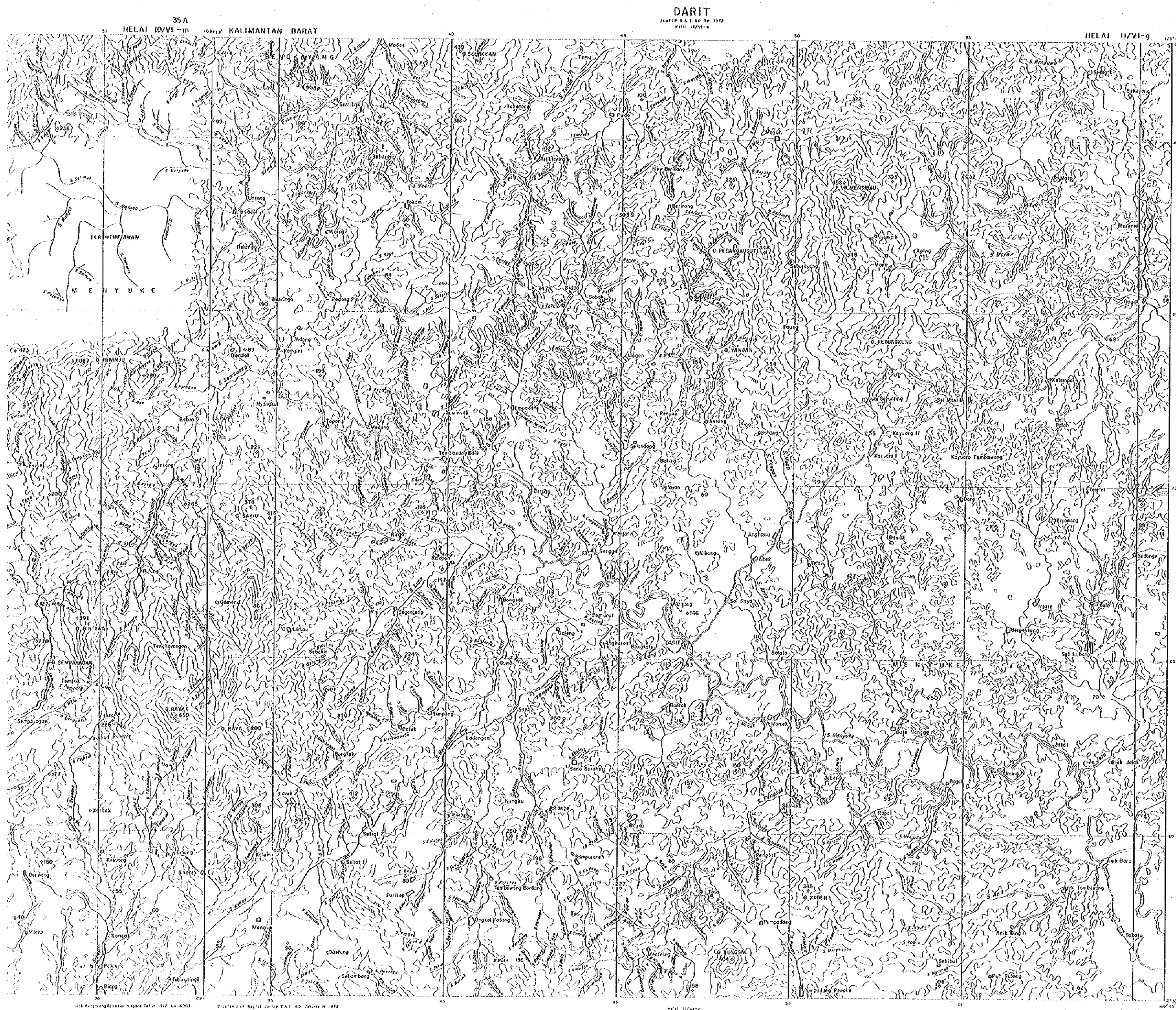
DARIT

20112 EMB 4.6.11.1972

Sheet 0701-E

KALIMANTAN BARAT





08117
 08117
 08117

PL 8-2

METAL MINING AGENCY OF JAPAN DIRECTORATE OF MINERAL RESOURCES
 JAPAN INTERNATIONAL DIRECTORATE GENERAL OF MINES
 COOPERATION AGENCY MINISTRY OF MINES AND ENERGY
 REPUBLIC OF INDONESIA

METALLIC MINERAL EXPLORATION SURVEY
 IN
 WEST KALIMANTAN INDONESIA

MAP OF RIVERS NAME

Scale 1:50,000

0 1 2 3 4 Km

February - 1981

PL 8-1

PL 8-2

PL 8-3





MANDOR

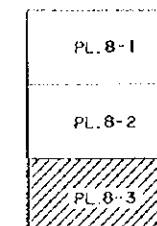
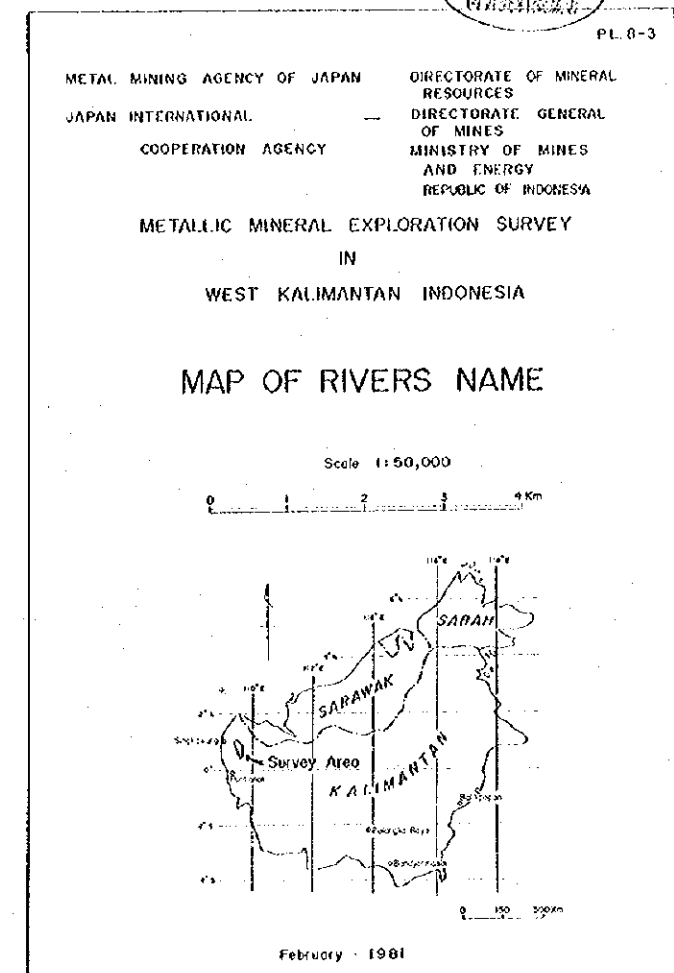
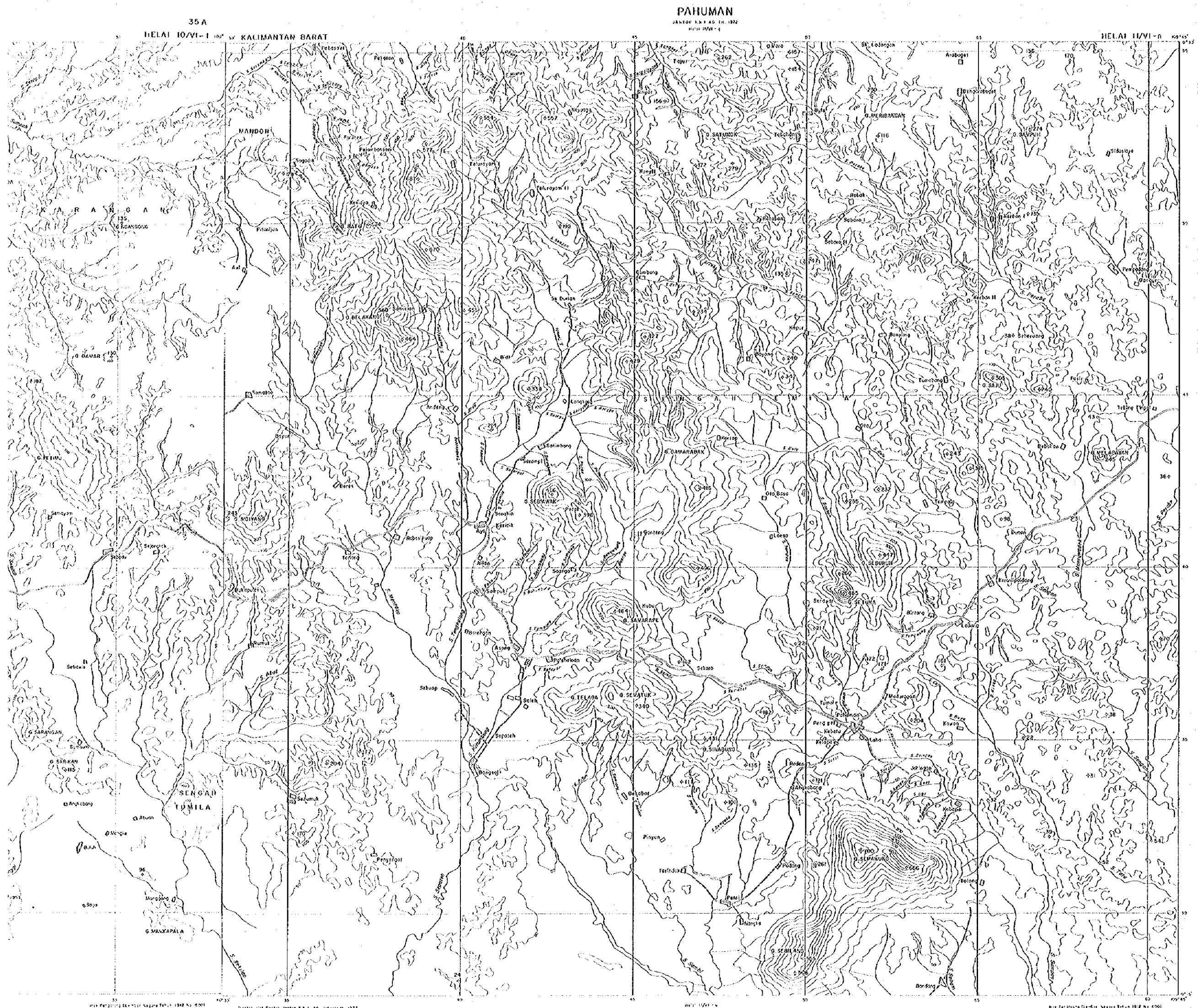
JANUARY 1972
SCALE 1:100,000

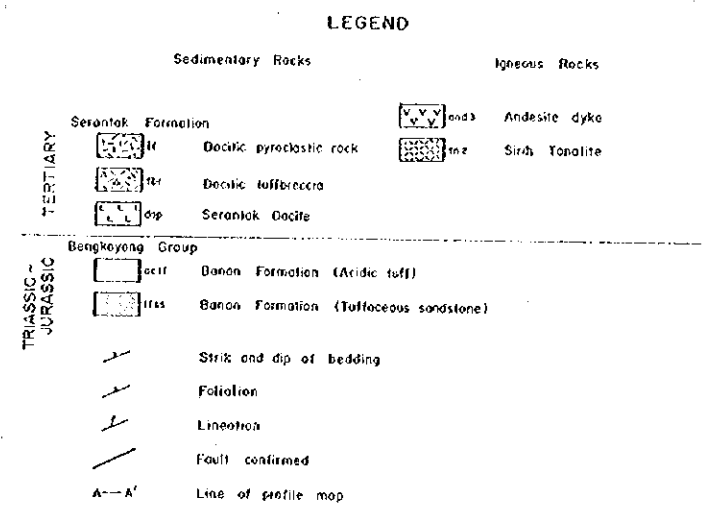
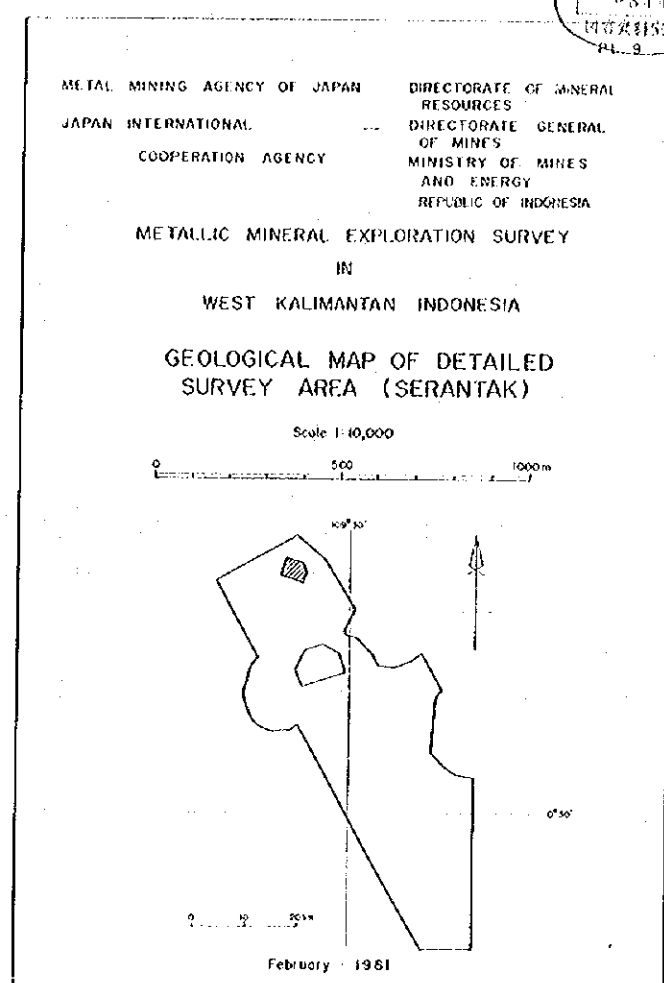
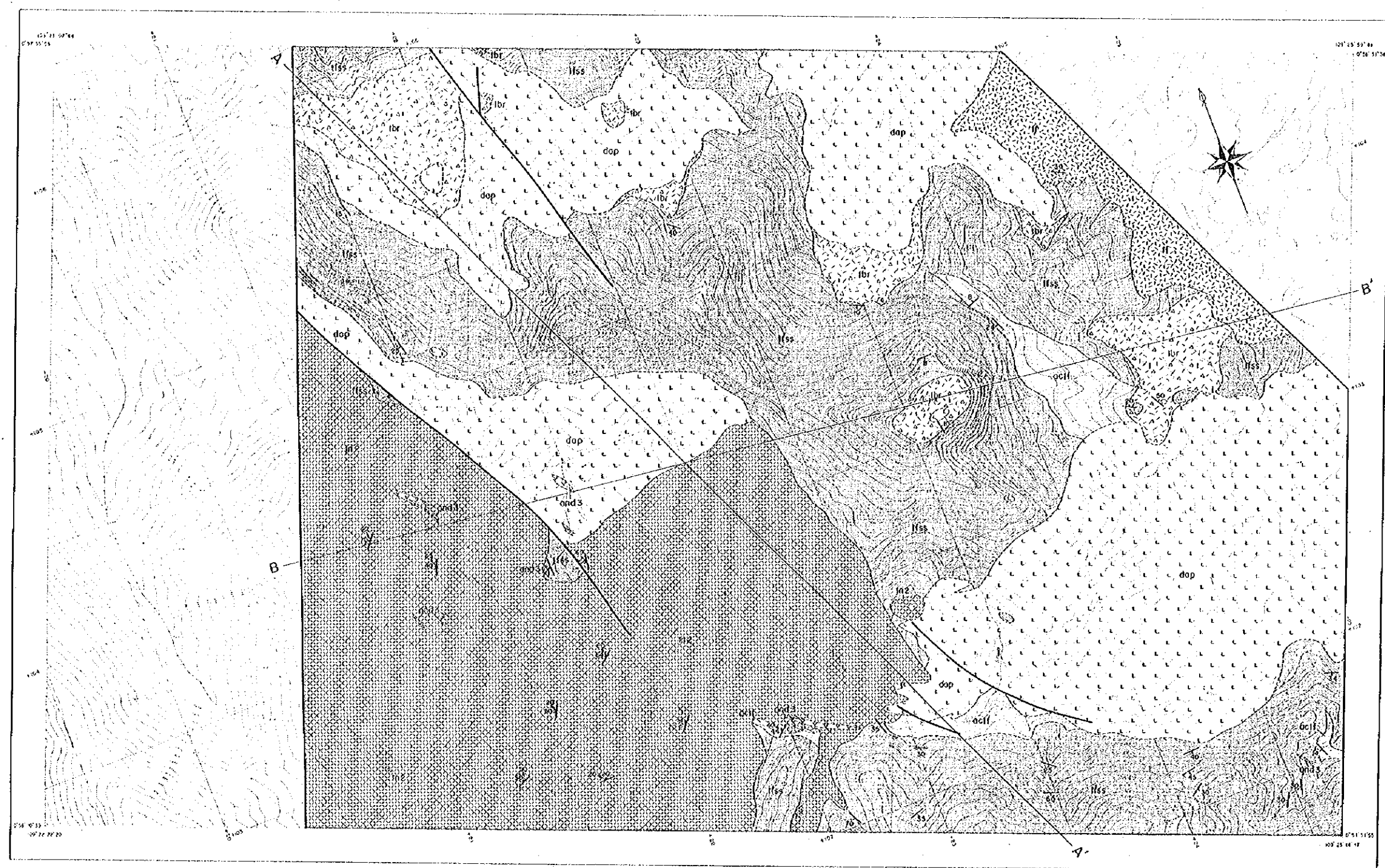
35A

HELAI 10/VI-1 100' 30" 30' KALIMANTAN BARAT

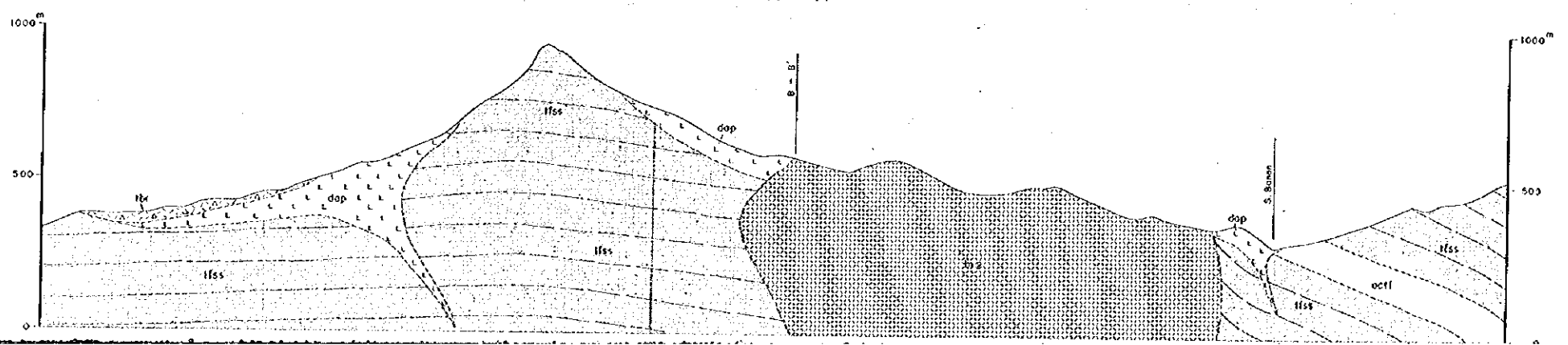
PAHUMAN

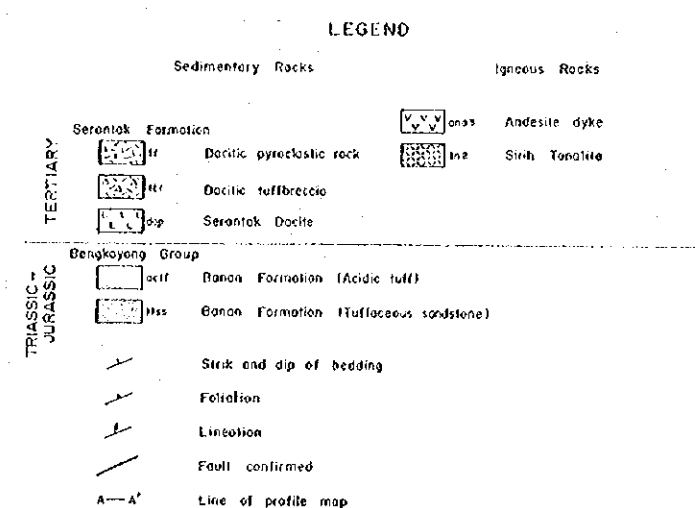
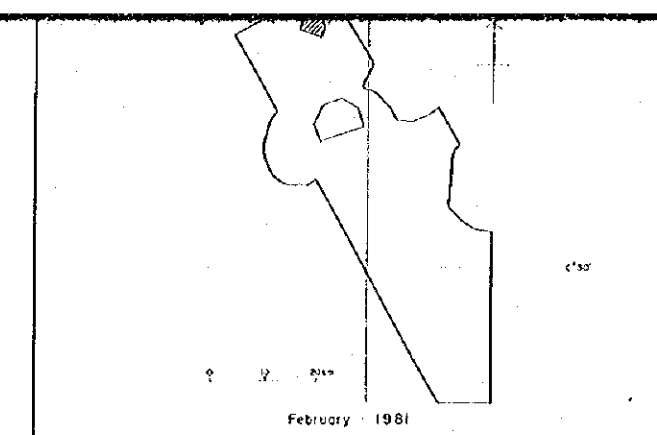
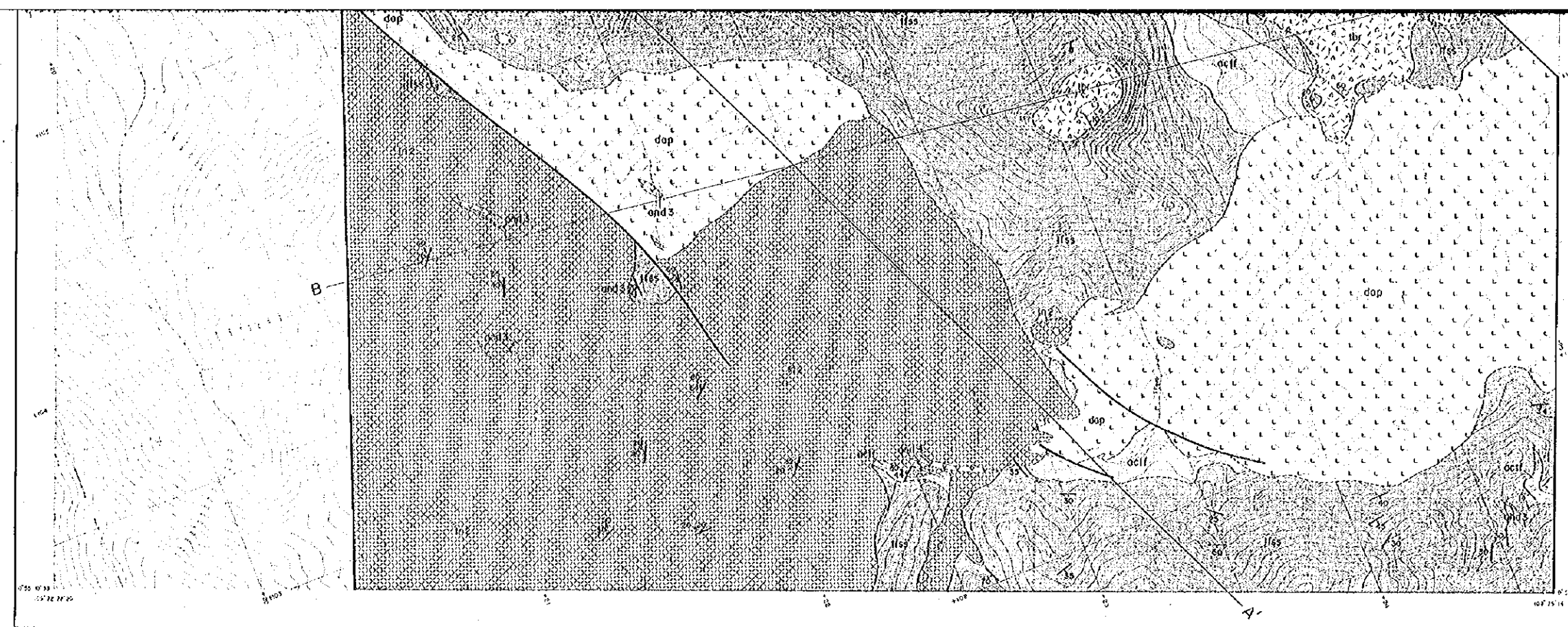
JANUARY 1972
SCALE 1:100,000



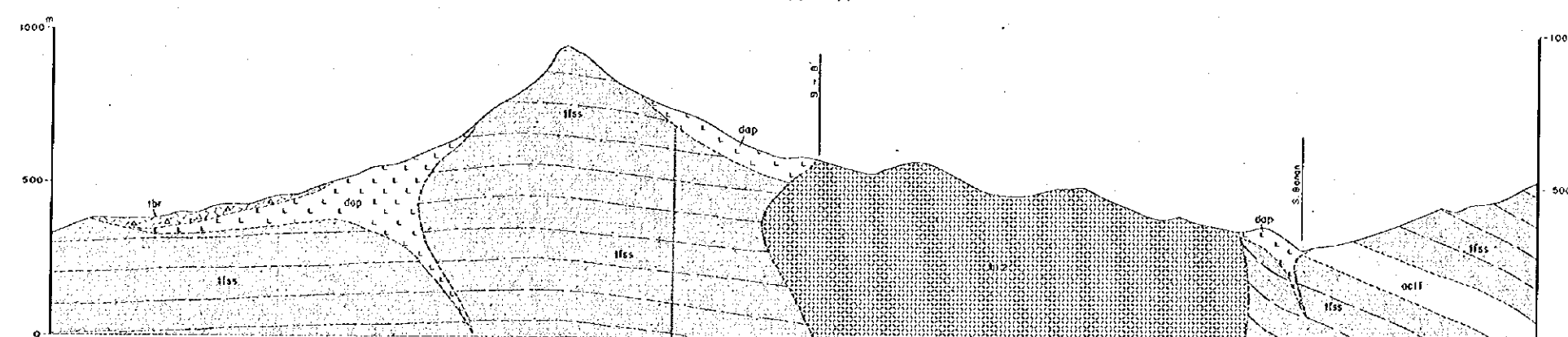


GEOLOGICAL PROFILE
A — A'

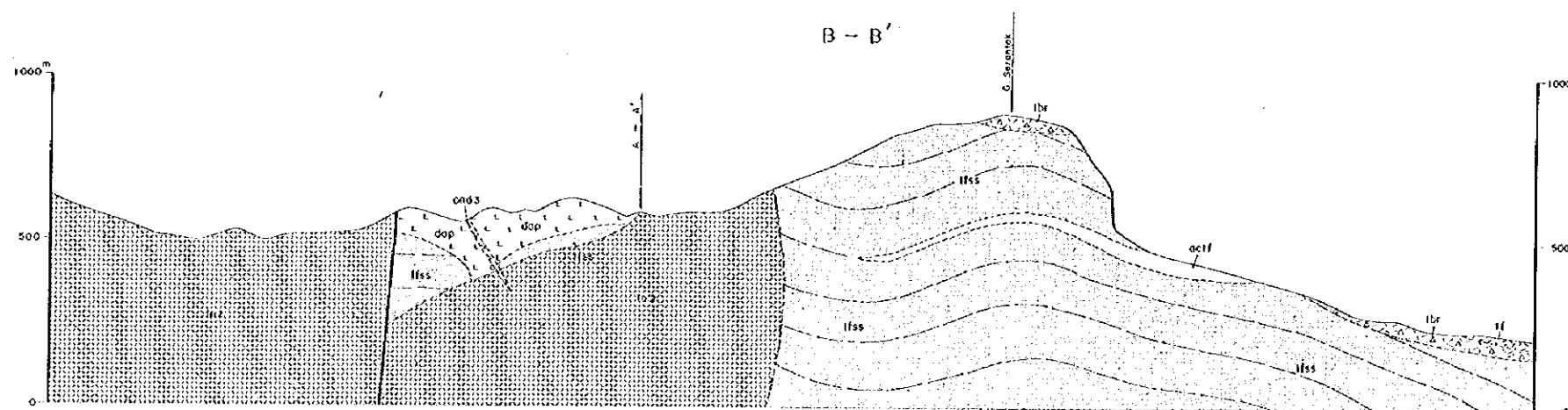


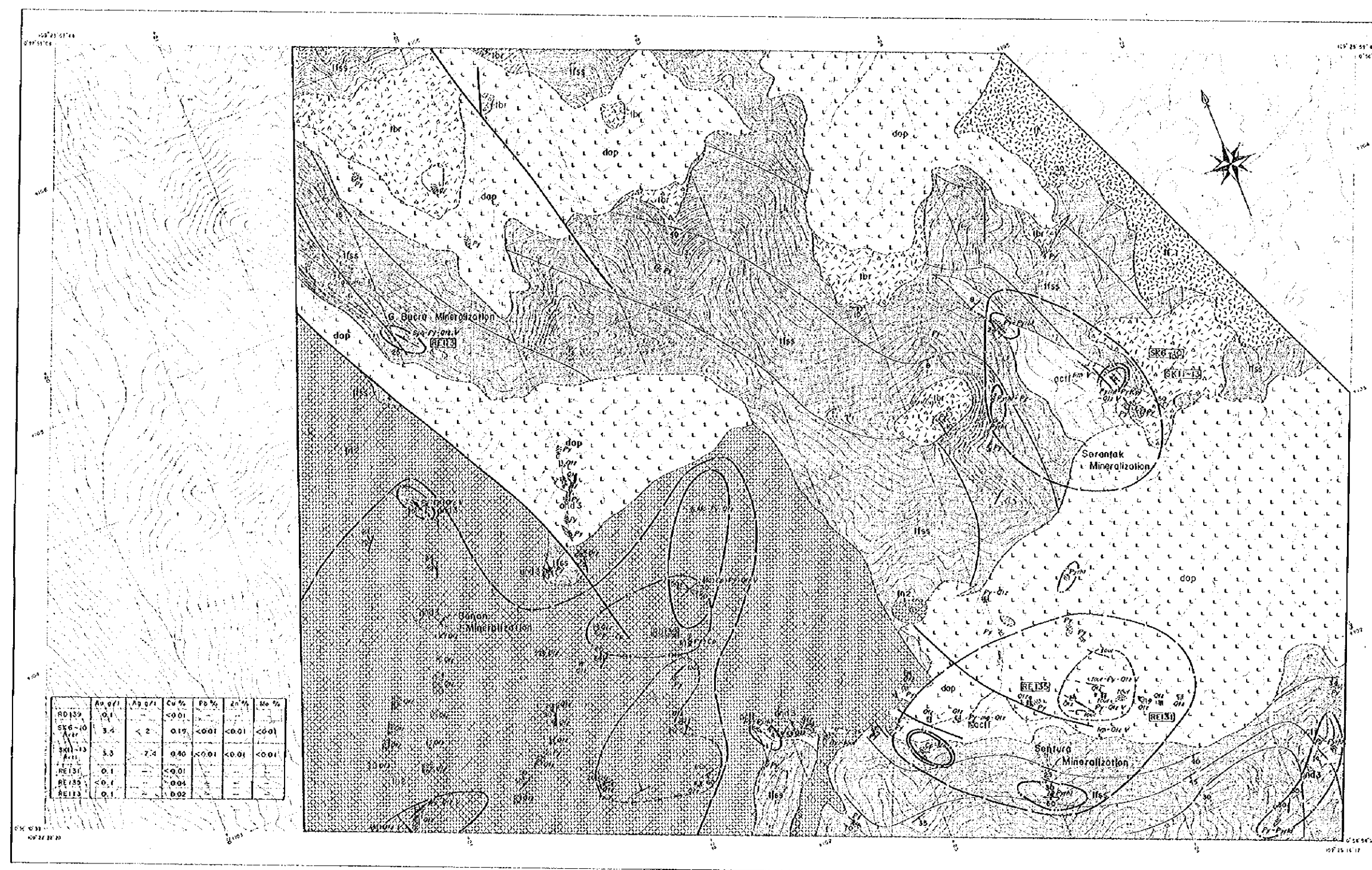


GEOLOGICAL PROFILE
A — A'



B — B'

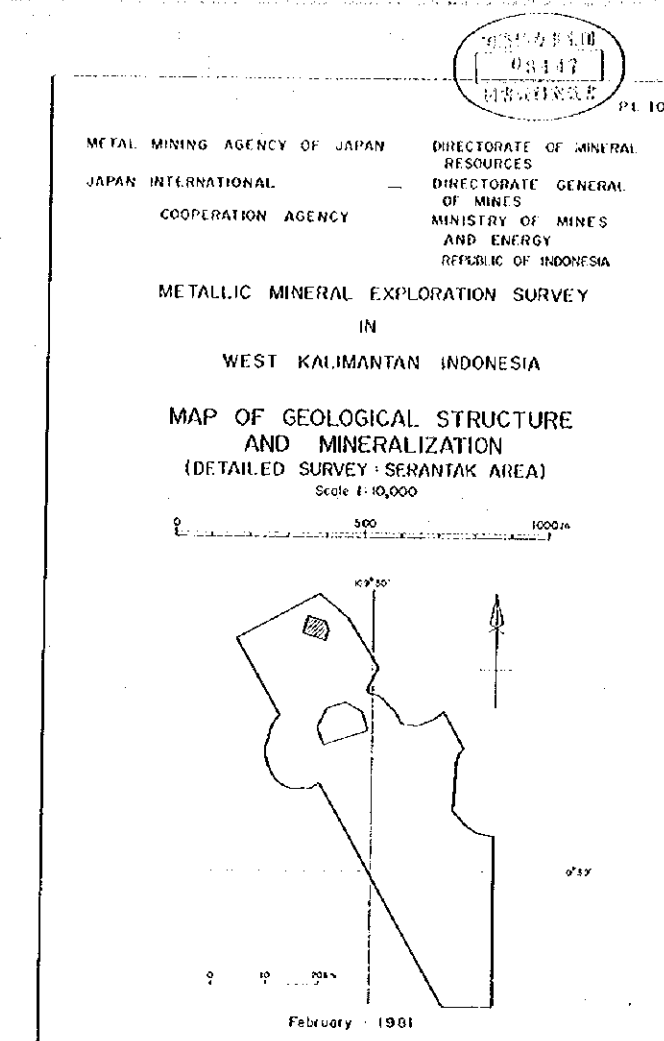




	As %	Ag %	Cu %	Pb %	Zn %	Mo %
RD 152	0.1	-	<0.01	-	-	-
SK 10	3.4	<2	0.17	<0.01	<0.01	<0.01
SK 13	3.3	2.4	0.80	<0.01	<0.01	<0.01
RE 131	0.1	-	<0.01	-	-	-
RE 155	<0.1	-	0.04	-	-	-
RE 113	0.1	-	0.02	-	-	-

- Mineralization**
- Metalliferous vein, Ore vein, Quartz vein
 - Veinlet Network
 - Dissemination
 - Mineralization
 - Pyrrhotite mineralization zone
 - Chalcopyrite mineralization zone
 - Tourmaline mineralization zone
 - Molybdenite mineralization zone

Abbreviation	
Py	Pyrite
Pyrt	Pyrrhotite
Cp	Chalcopyrite
Tour	Tourmaline
Mg	Magnetite
Qtz	Quartz
Mo	Molybdenite
Sph	Sphalerite
Lm	Lincolnite



LEGEND

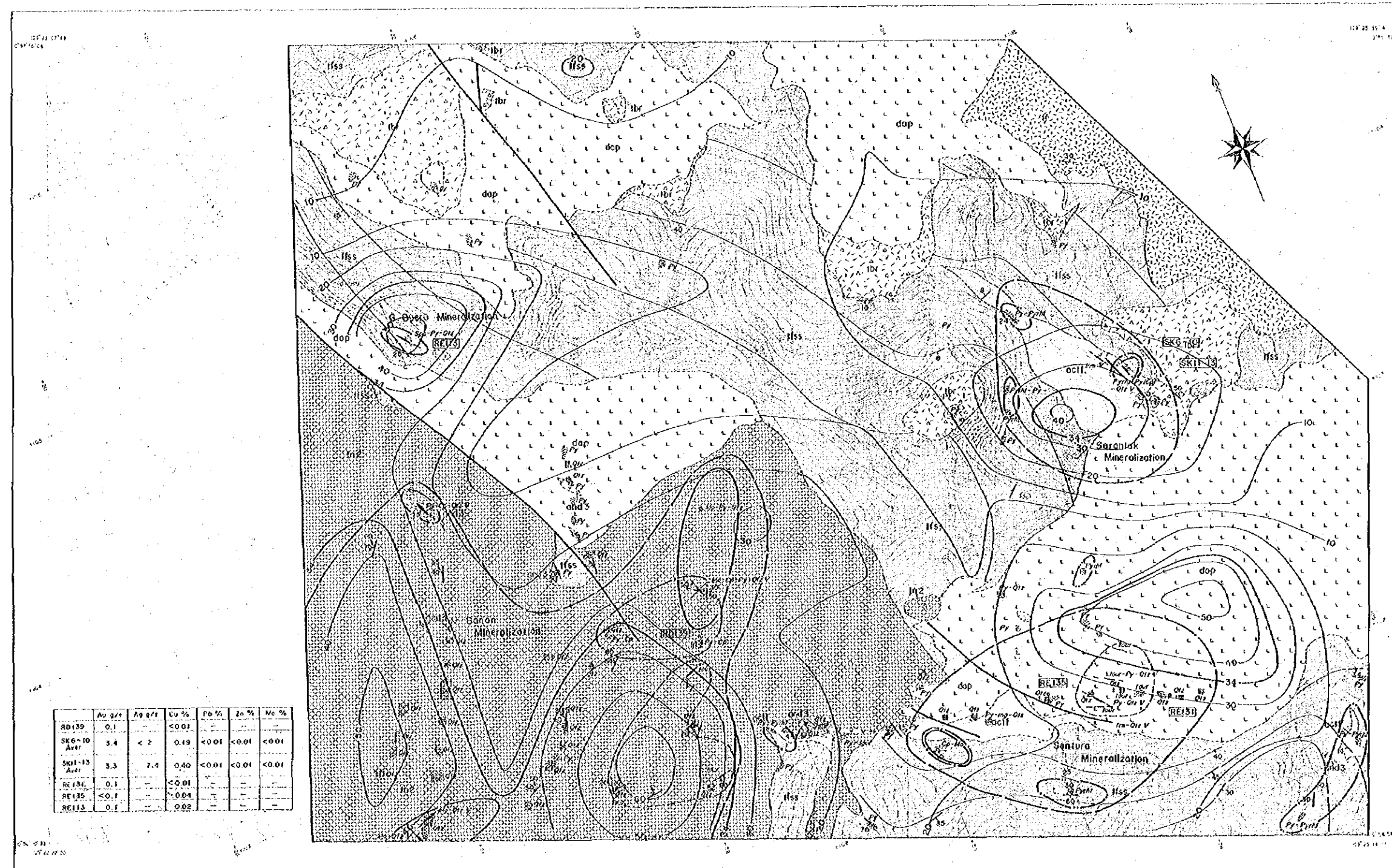
Sedimentary Rocks

Igneous Rocks

- Serantak Formation**
- if Dacitic pyroclastic rock
 - ibr Dacitic tuffbreccia
 - dps Serantak Dacite

- Bengkayang Group**
- actf Bongan Formation (Acidic tuff)
 - ifss Bongan Formation (Tuffaceous sandstone)

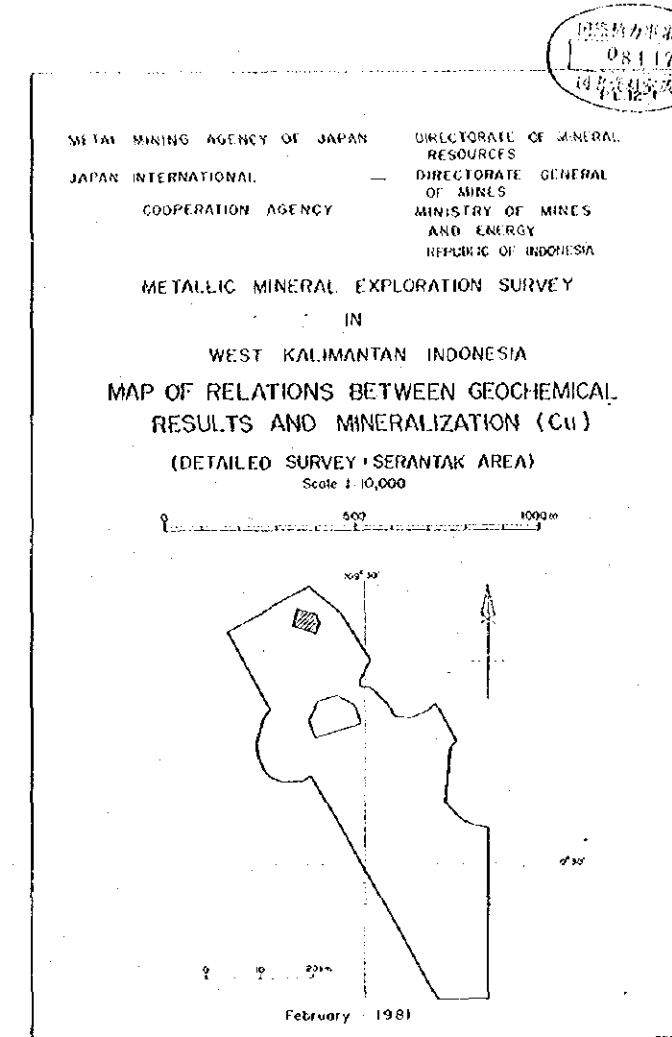
- Strike line and dip of bedding in sedimentary rock
- Strike line of lineation in gneiss
- Strike line and dip of bedding
- Fault



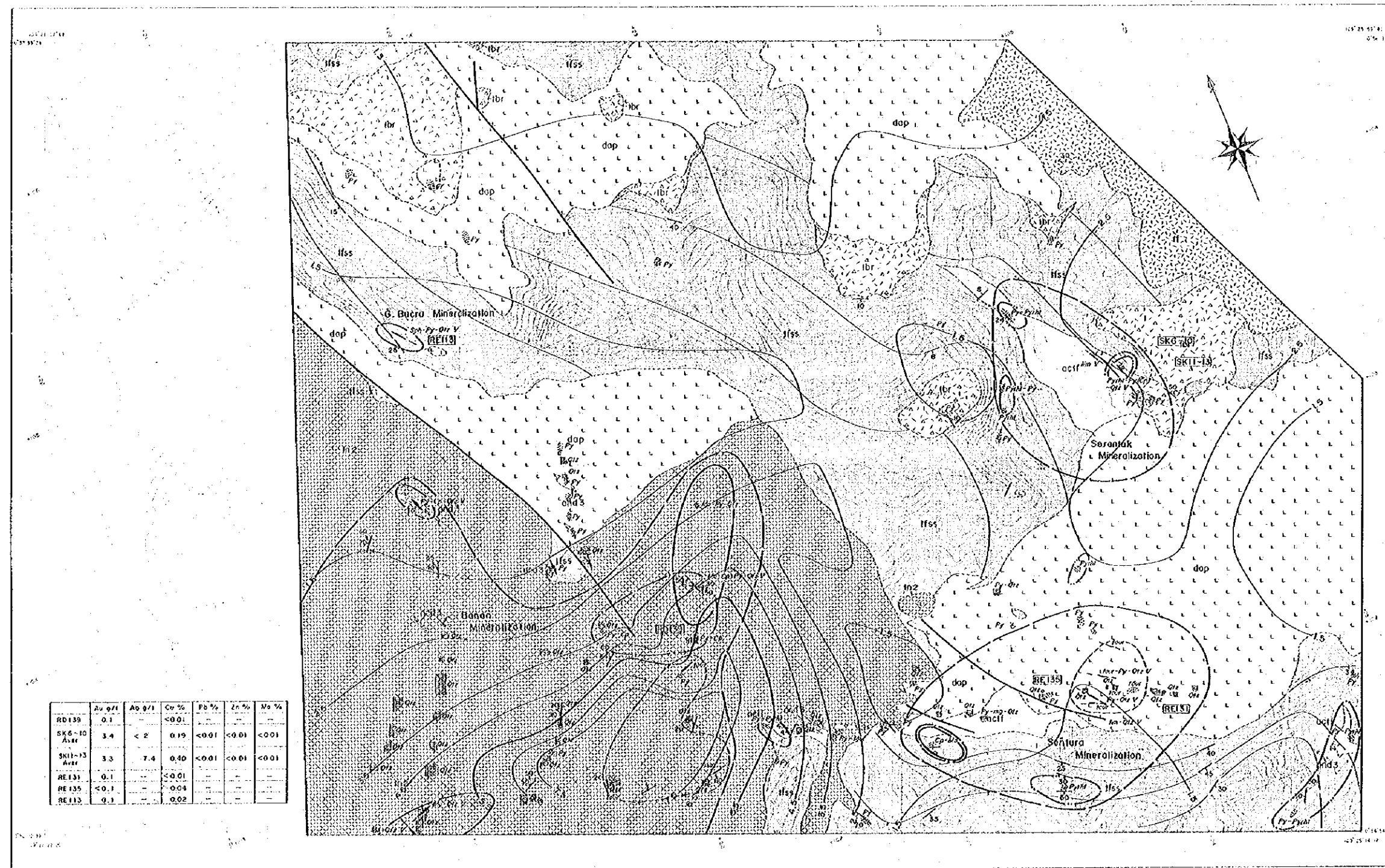
	Au g/t	Ag g/t	Cu %	Pb %	Zn %	Mo %
RD-139	0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
SK-10	3.4	< 2	0.19	< 0.01	< 0.01	< 0.01
SK-13	3.3	7.4	0.40	< 0.01	< 0.01	< 0.01
RE-136	0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
RE-135	< 0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
RE-132	0.1	0.02	< 0.01	< 0.01	< 0.01	< 0.01

- Mineralization
- Mesothiferous vein, Ore vein, Quartz vein
 - Veinlet Network
 - Dissemination
 - Mineralization
 - Pyrite mineralization zone
 - Chalcoprite mineralization zone
 - Tourmaline mineralization zone
 - Molybdenite mineralization zone

- Abbreviation
- Py Pyrite
 - Pyh Pyrrhotite
 - Cp Chalcoprite
 - Tour Tourmaline
 - Mg Magnetite
 - Qlz Quartz
 - Mo Molybdenite
 - Sph Sphalerite
 - Lim Limonite



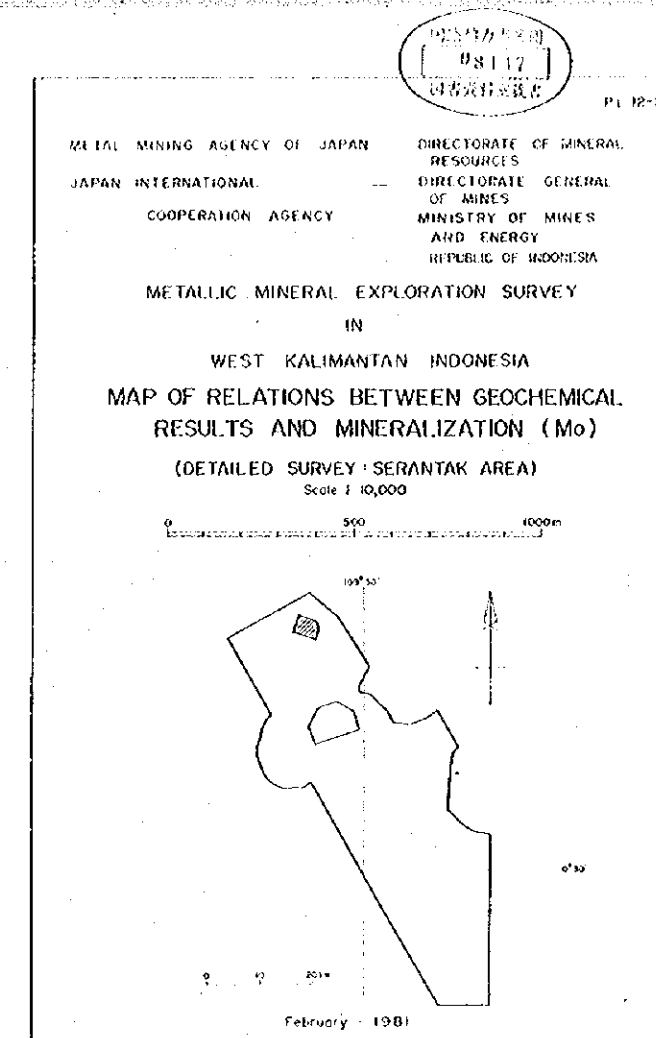
- LEGEND
- Sedimentary Rocks
- Serantak Formation
 - ss Dacitic pyroclastic rock
 - ls Dacitic tuffbreccia
 - dp Serantak dacite
 - Bengayang Group
 - acid Banan Formation (Acidic tuff)
 - ls Banan Formation (Tuffaceous sandstone)
- Igneous Rocks
- Andesite dyke
 - Srth tonalite
- Structural Features
- Strike line and dip of bedding in sedimentary rock
 - Strike line of lineation in tonalite
 - Strike line and dip of bedding
 - Fault
- Geochemical Features
- Contour line of Geochemical Assay Result
 - Contour line of Anomalous Values



	Au g/t	Ag g/t	Cu %	Pb %	Zn %	Mo %
RD138	0.1	—	<0.01	—	—	—
SK6-10	3.4	< 2	0.19	<0.01	<0.01	<0.01
Aver	—	—	—	—	—	—
SK11-13	3.3	7.4	0.40	<0.01	<0.01	<0.01
Aver	—	—	—	—	—	—
RE131	0.1	—	<0.01	—	—	—
RE135	<0.1	—	<0.04	—	—	—
RE113	0.1	—	0.02	—	—	—

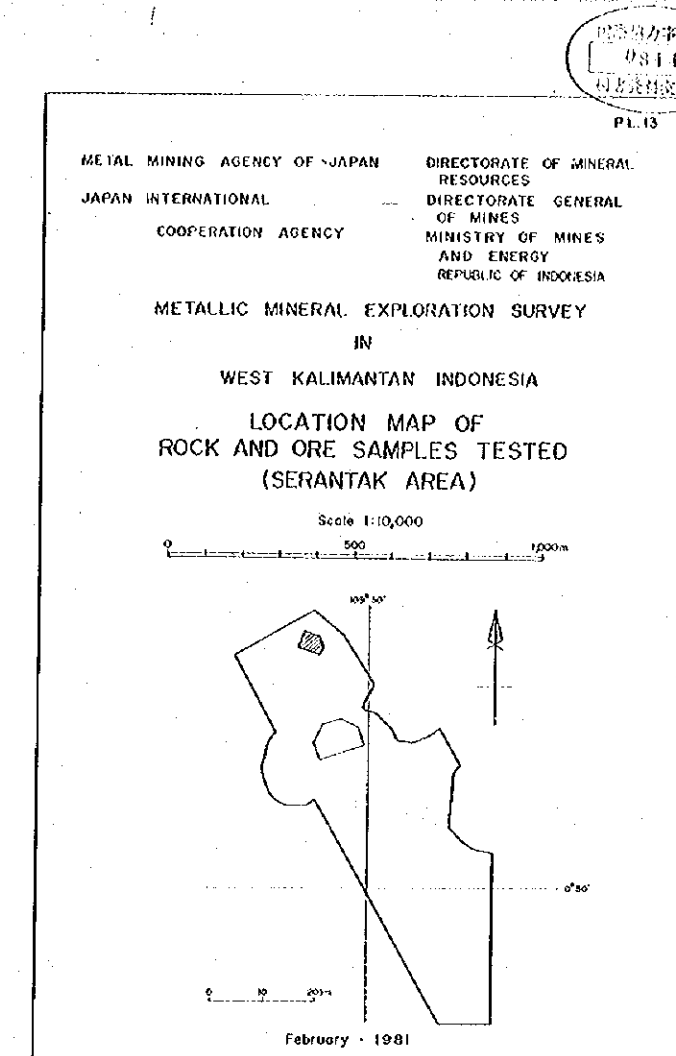
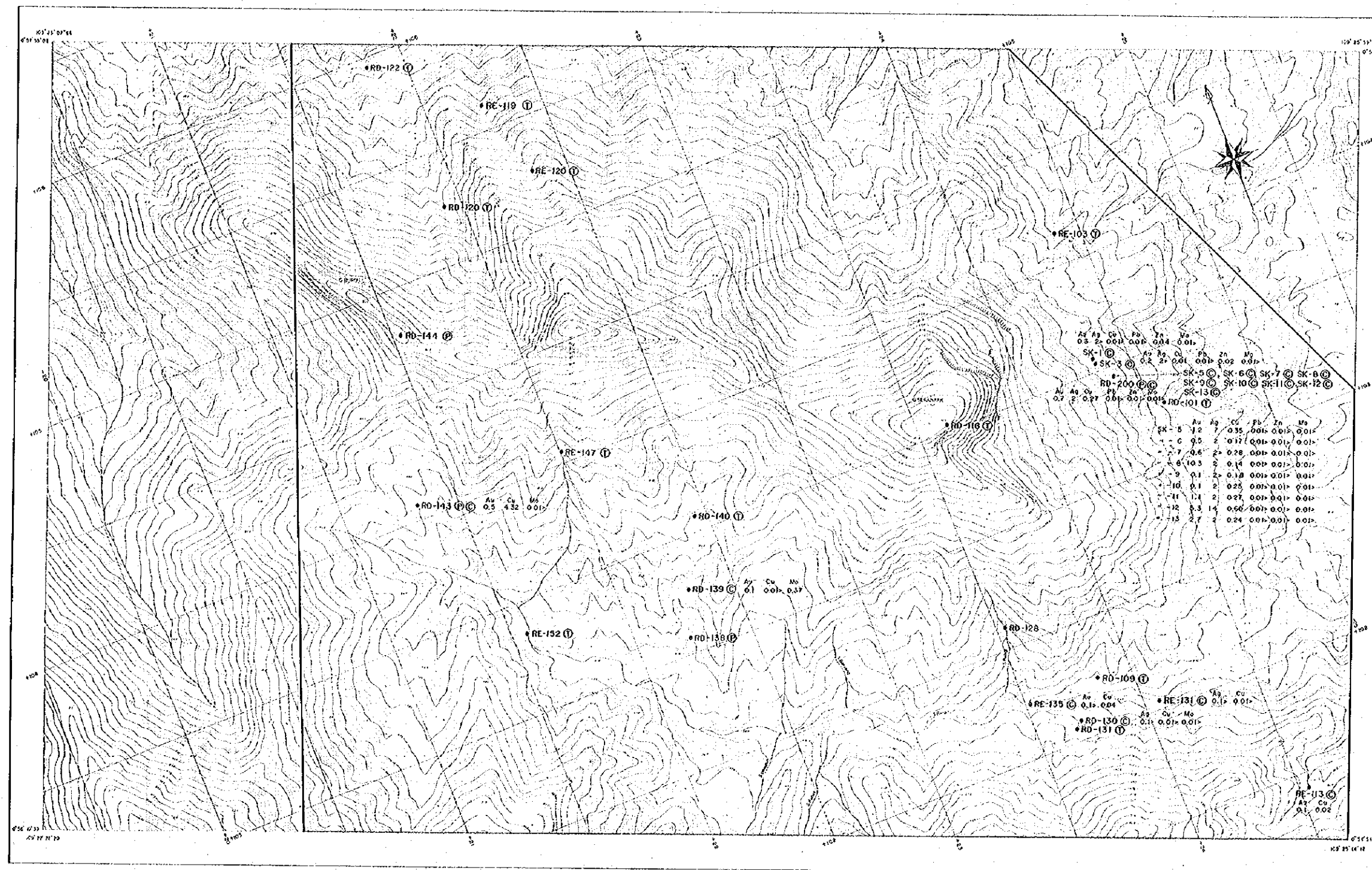
- Mineralization**
- Metalliferous vein, Ore vein, Quartz vein
 - Veinlet Network
 - Dissemination
 - Mineralization
 - Pyrrhotite mineralization zone
 - Chalcopyrite mineralization zone
 - Tourmaline mineralization zone
 - Molybdenite mineralization zone

- Abbreviation**
- | | | | |
|------|--------------|-----|-------------|
| Py | Pyrite | Qtz | Quartz |
| Pyrt | Pyrrhotite | Mo | Molybdenite |
| Cp | Chalcopyrite | Sph | Sphalerite |
| Tour | Tourmaline | Lm | Limonite |
| Mg | Magnetite | | |



LEGEND

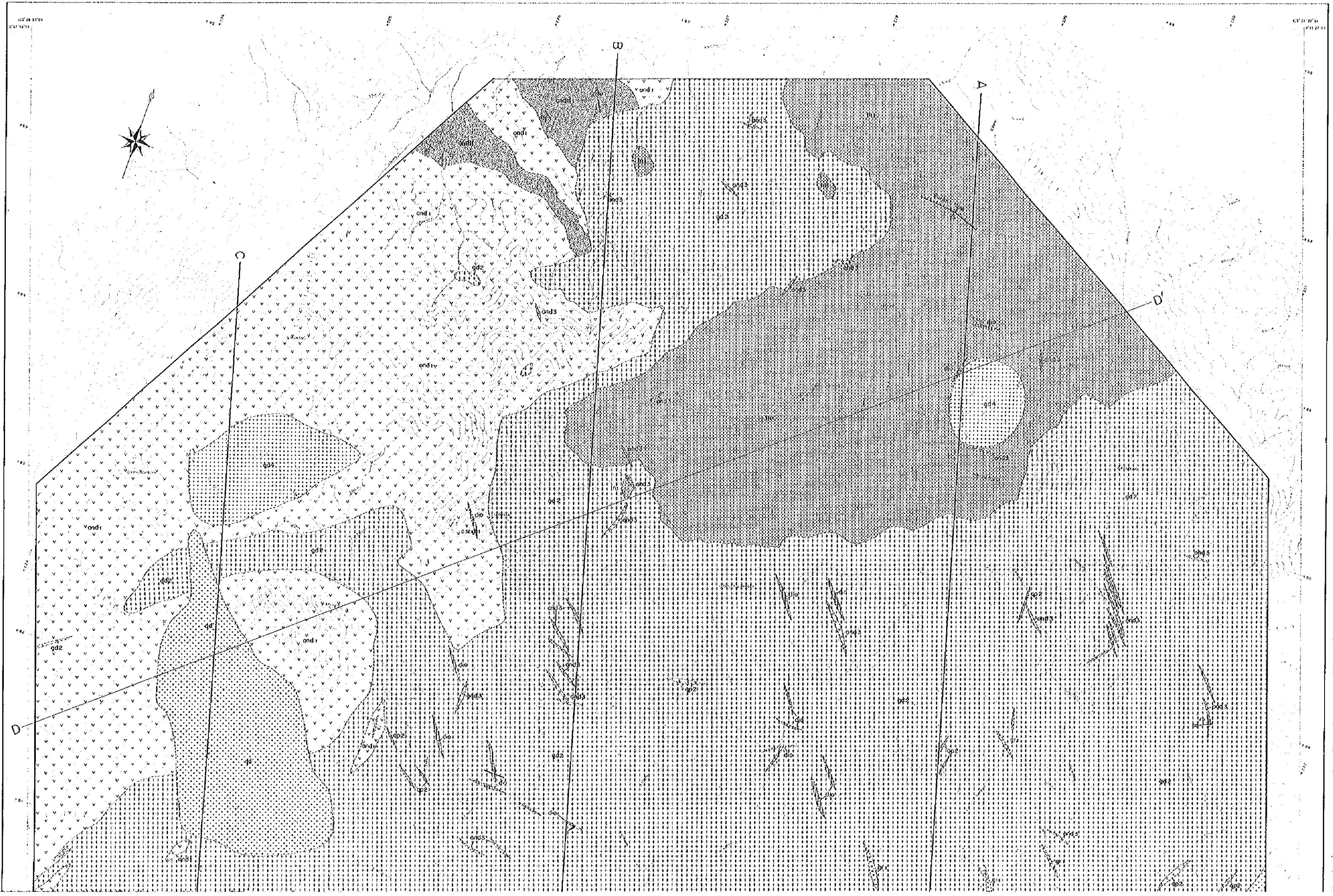
- Sedimentary Rocks**
- Serantak Formation
 - if Dacite pyroclastic rock
 - lfr Dacite tuffaceous
 - dop Serantak Dacite
 - Bengayang Group
 - cact Bonan Formation (Acidic tuff)
 - lfs Bonan Formation (tuffaceous sandstone)
- Igneous Rocks**
- and Andesite dyke
 - lnz Sialit Tonalite
- Other Symbols**
- Strike line and dip of bedding in sedimentary rock
 - Strike line of lineation in tonalite
 - Strike line and dip of bedding
 - Fault
 - Contour line of Geochemical Assay Result
 - Contour line of Anomalous Values

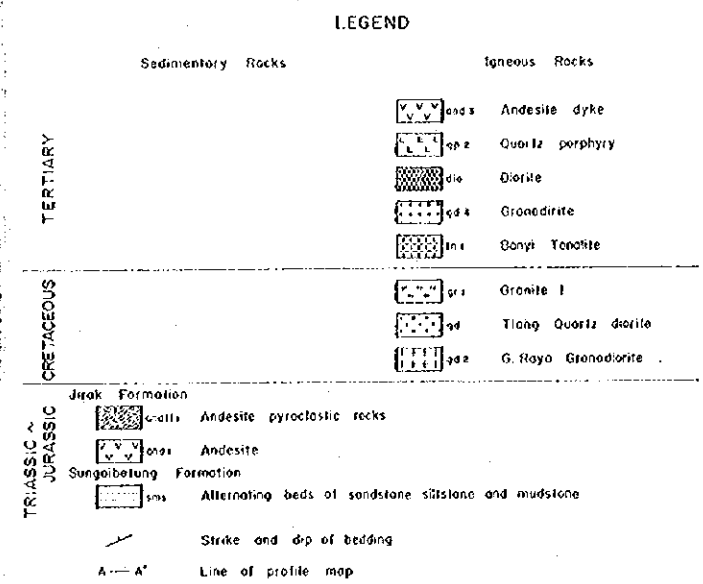
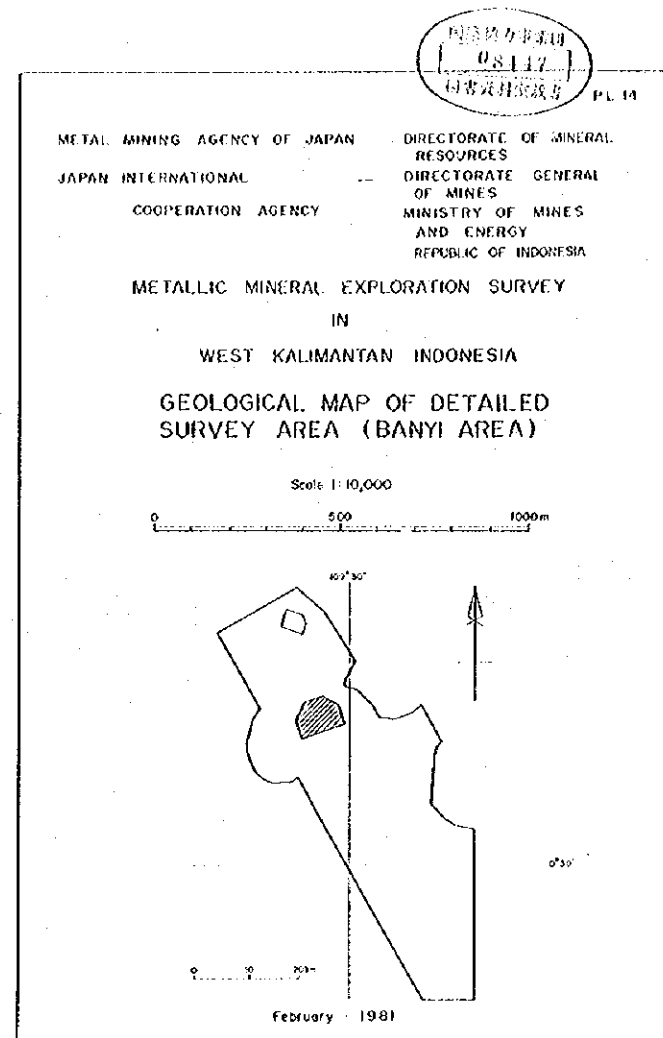
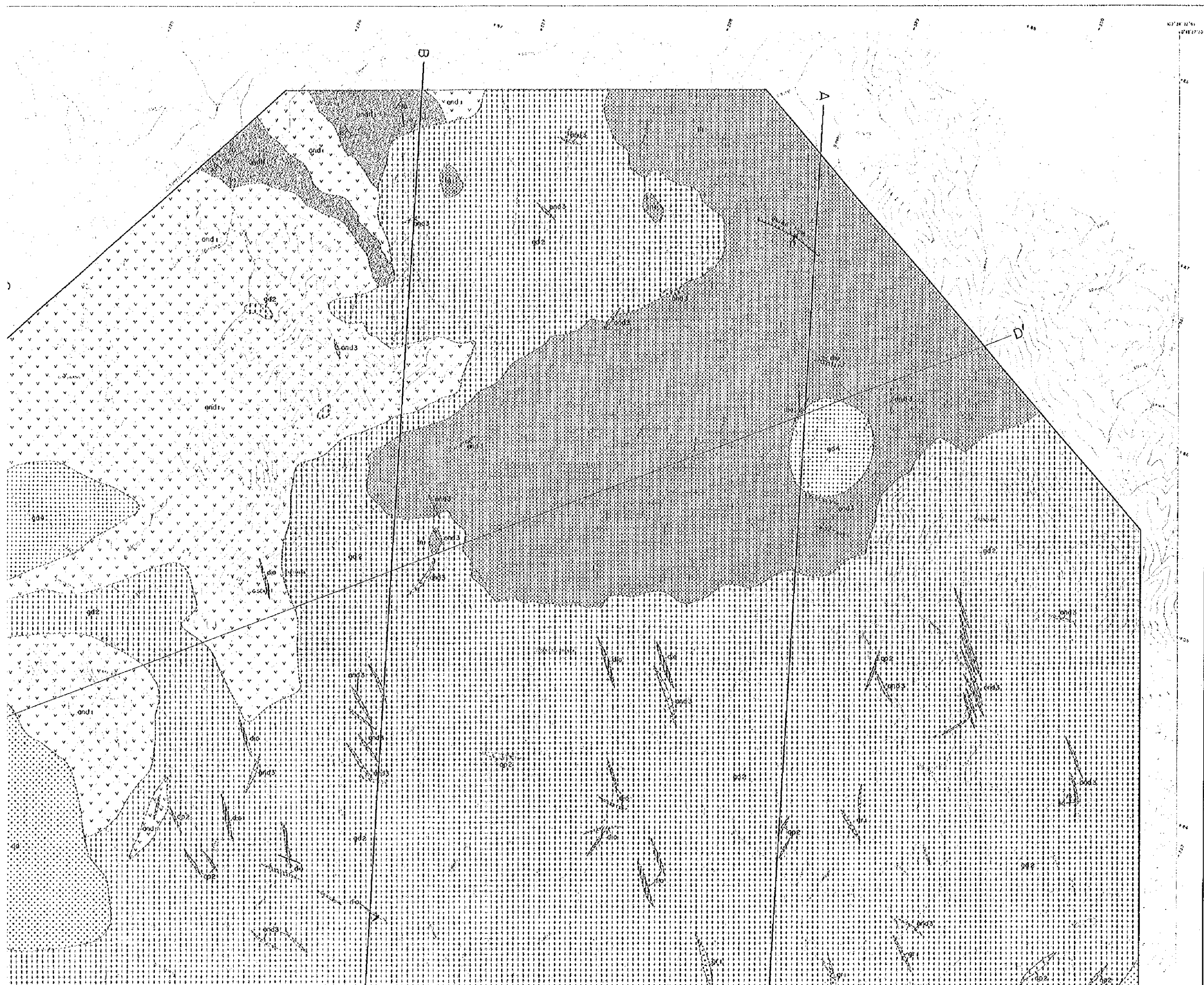


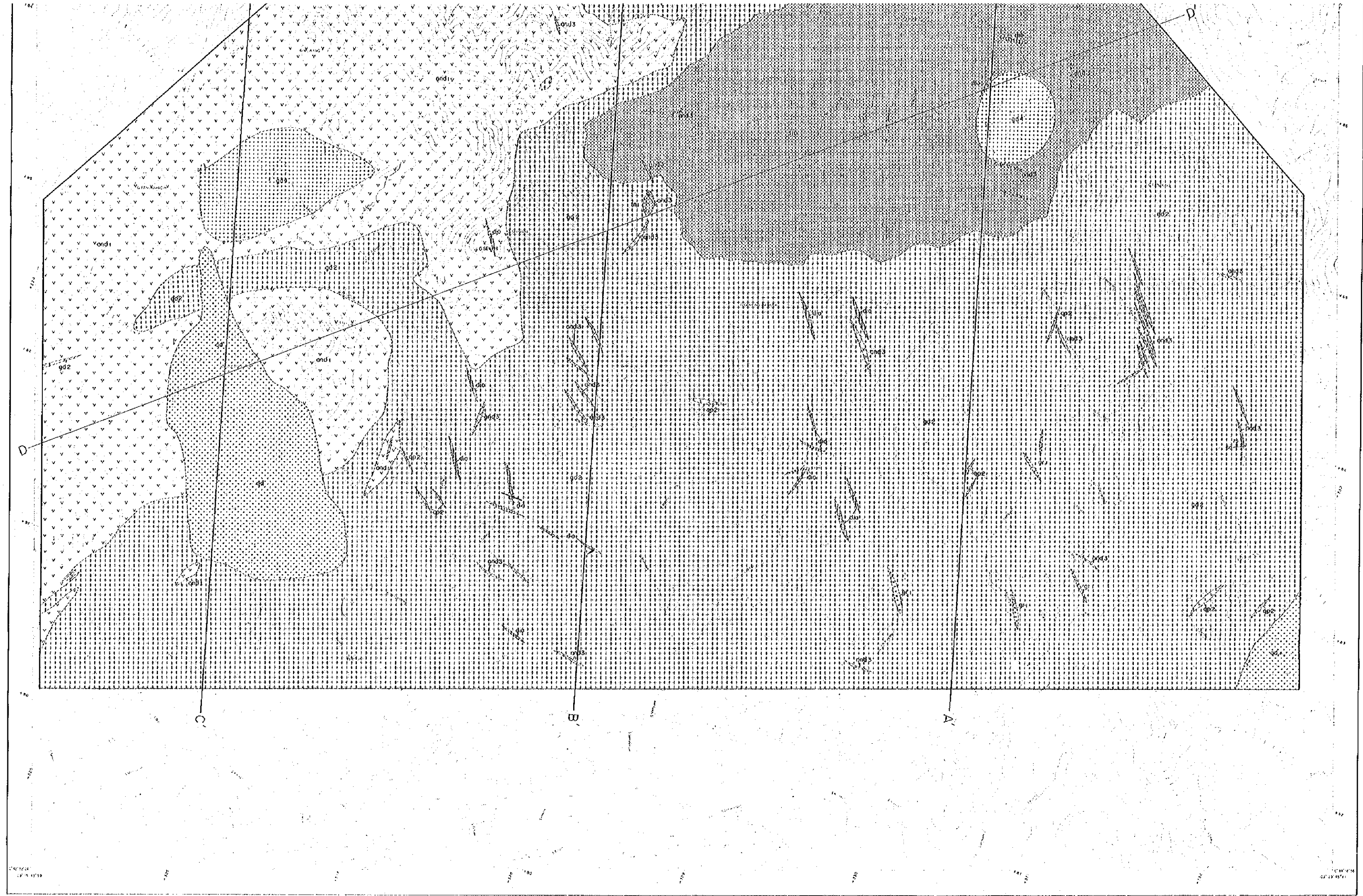
LEGEND

- (1) Thin section
- (2) X-Ray analysis
- (3) Polished section
- (4) Mineral chemical analysis

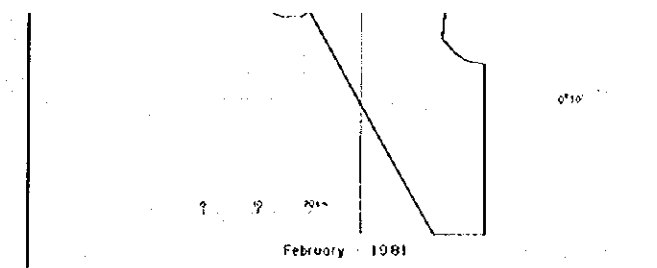
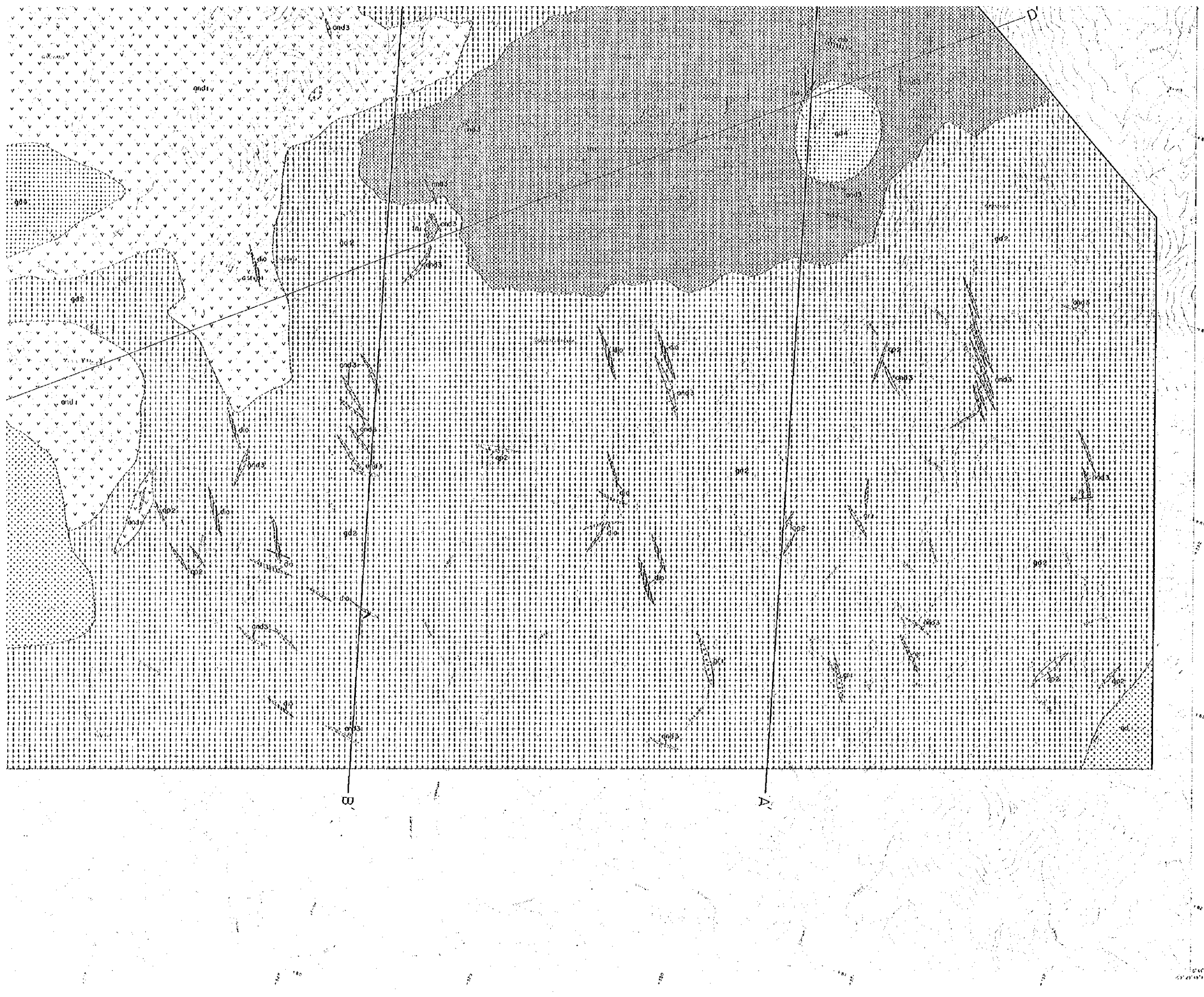
Assay Result
 Au% Ag% Cu% Pb% Zn% Mo%







TRIASSIC
JURASSIC
CRETACEOUS
TERTIARY



LEGEND

Sedimentary Rocks		Igneous Rocks	
and3	Andesite dyke	and1	Andesite
and2	Quartz porphyry	and4	Diorite
and5	Granodiorite	and6	Granite
and7	Granite	and8	Tiung Quartz diorite
and9	G. Raya Granodiorite	and10	G. Raya Granodiorite
TRIASSIC - JURASSIC Jirek Formation and11 Andesite pyroclastic rocks and12 Andesite Sungaibelung Formation and13 Alternating beds of sandstone siltstone and mudstone			
Strike and dip of bedding A-A' Line of profile map			

GEOLOGICAL
SURVEY A



Sedimentary Rocks

TEST:ABV

સાંભળવું જોઈએ

TRIASSIC ~ JURASSIC

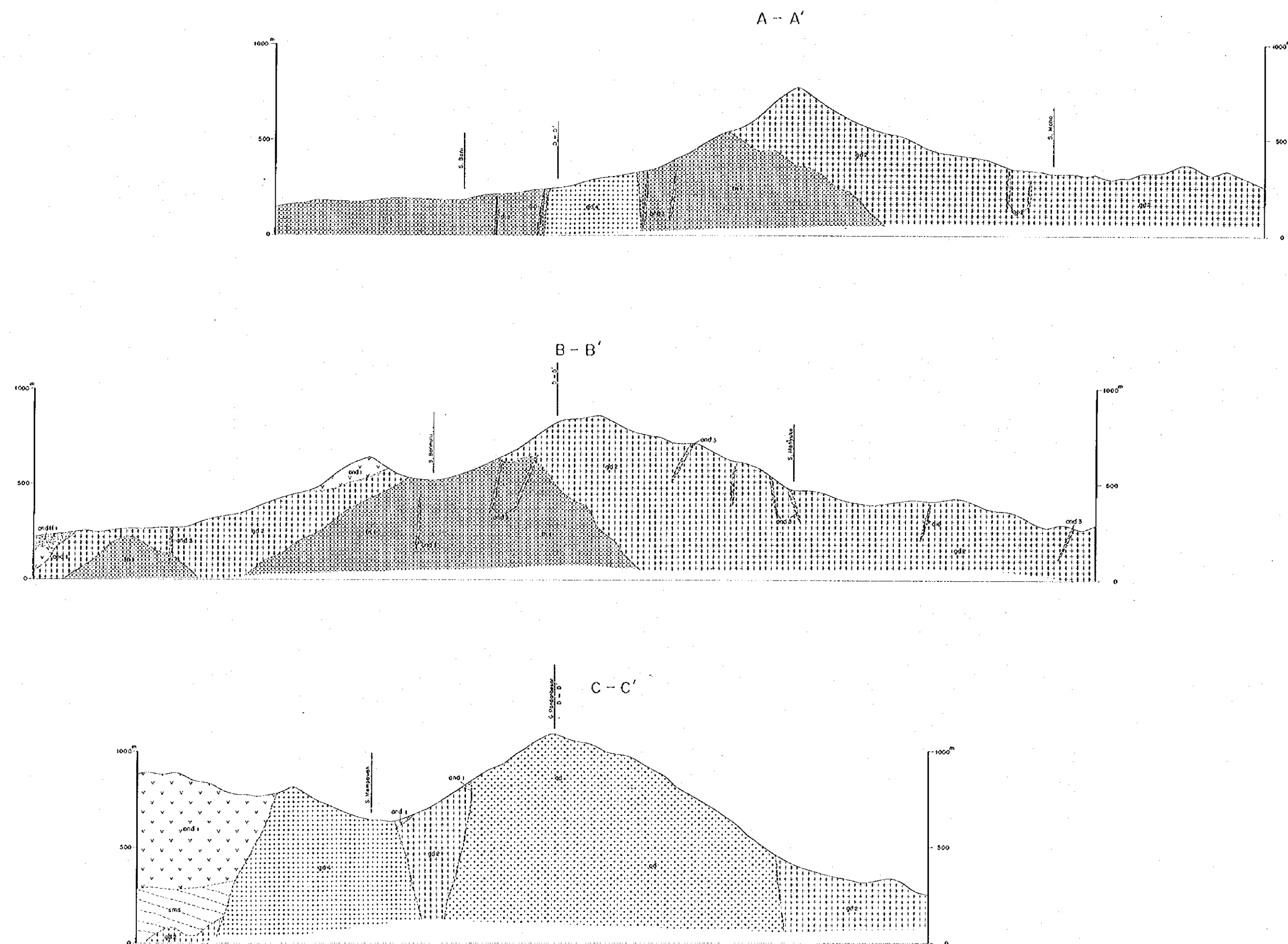
Jirok Formation

 Andesite pyroclastic

$\begin{bmatrix} \text{V} & \text{V} & \text{V} \\ \text{---} & \text{---} & \text{---} \end{bmatrix}_{\text{eng}}$ Andesite

Sungorbetung Formation

 sm Alternating beds of



08417
PL 15

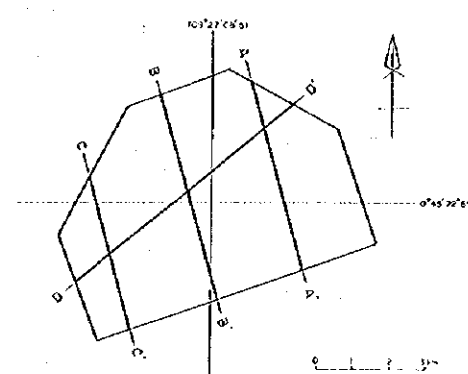
METAL MINING AGENCY OF JAPAN
JAPAN INTERNATIONAL
COOPERATION AGENCY
DIRECTORATE OF MINERAL
RESOURCES
DIRECTORATE GENERAL
OF MINES
MINISTRY OF MINES
AND ENERGY
REPUBLIC OF INDONESIA

METALLIC MINERAL EXPLORATION SURVEY
IN
WEST KALIMANTAN INDONESIA

GEOLOGICAL PROFILES OF DETAILED
SURVEY AREA (BANYI AREA)

Scale 1:10,000

0 500 1000 m



LEGEND

Sedimentary Rocks

Igneous Rocks

- And 1 Andesite dyke
- Op 2 Quartz porphyry
- Di Diorite
- Gr 4 Granodiorite
- Bo 1 Banyu Tonalite
- Gr 1 Granite 1
- Qd Tiong Quartz diorite
- G. Rayo Granodiorite

TERTIARY

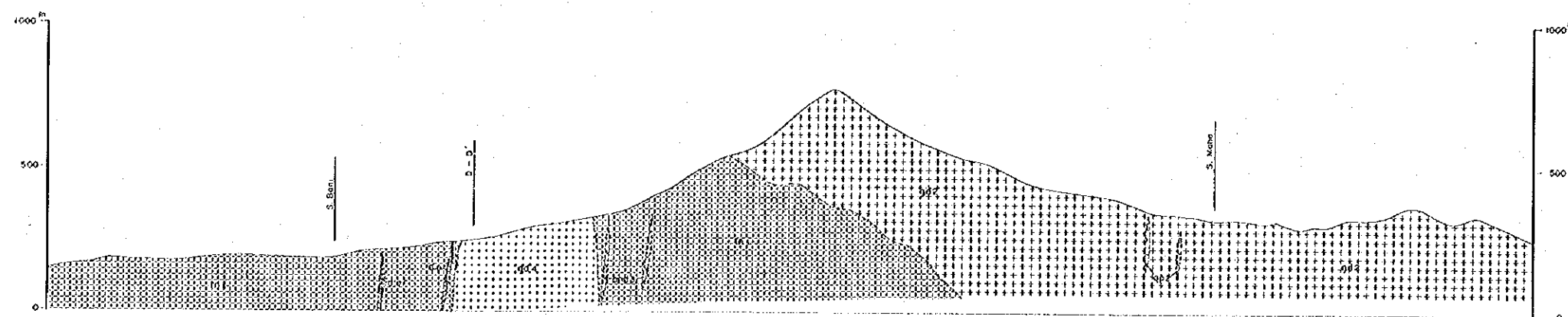
CRETACEOUS

JURASSIC

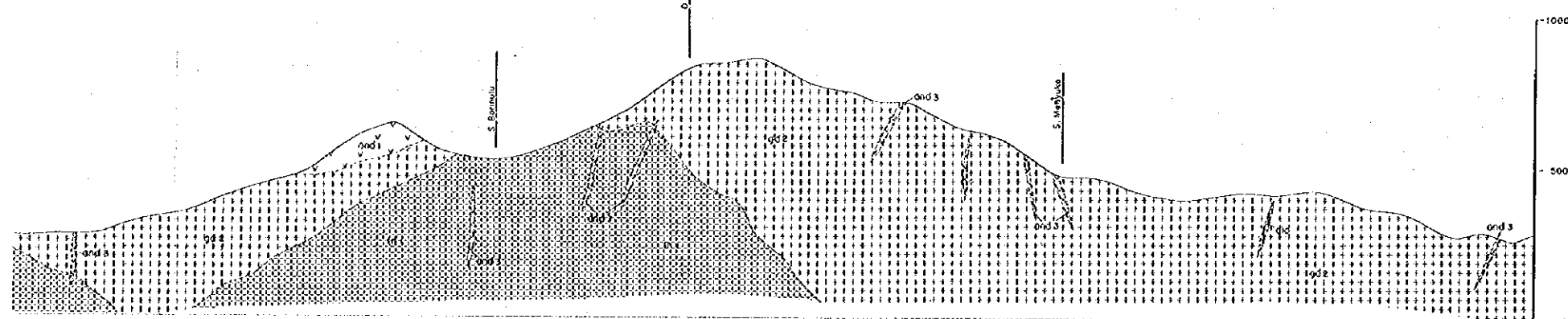
TRIASSIC

- Jiruk Formation
- And 1 Andesite pyroclastic rocks
- And 2 Andesite
- Sungaihtung Formation
- And Alternating beds of sandstone siltstone and mudstone

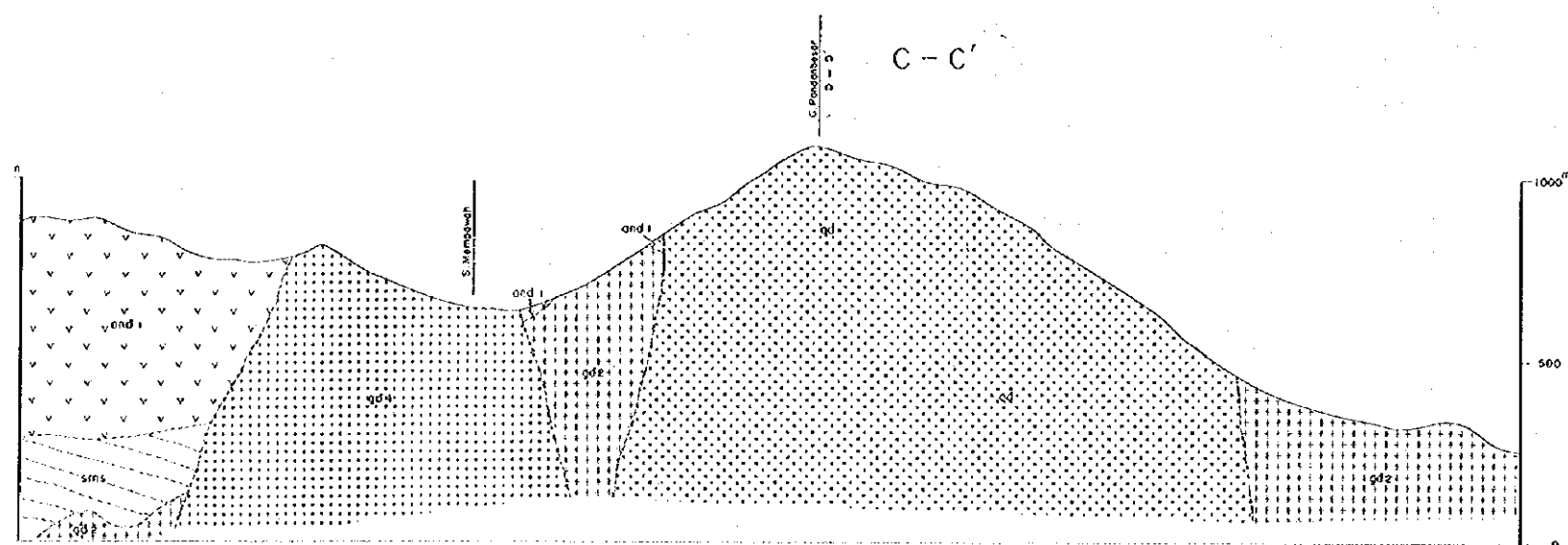
A - A'

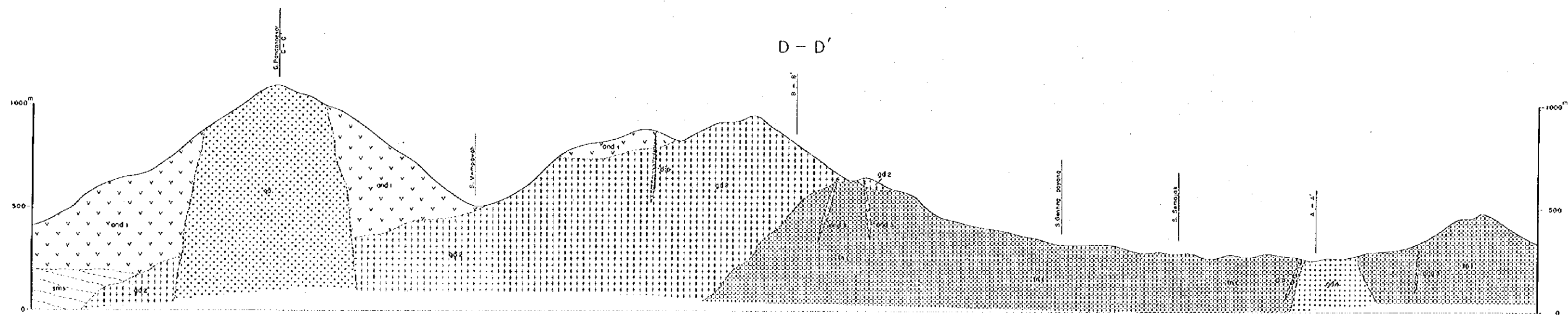
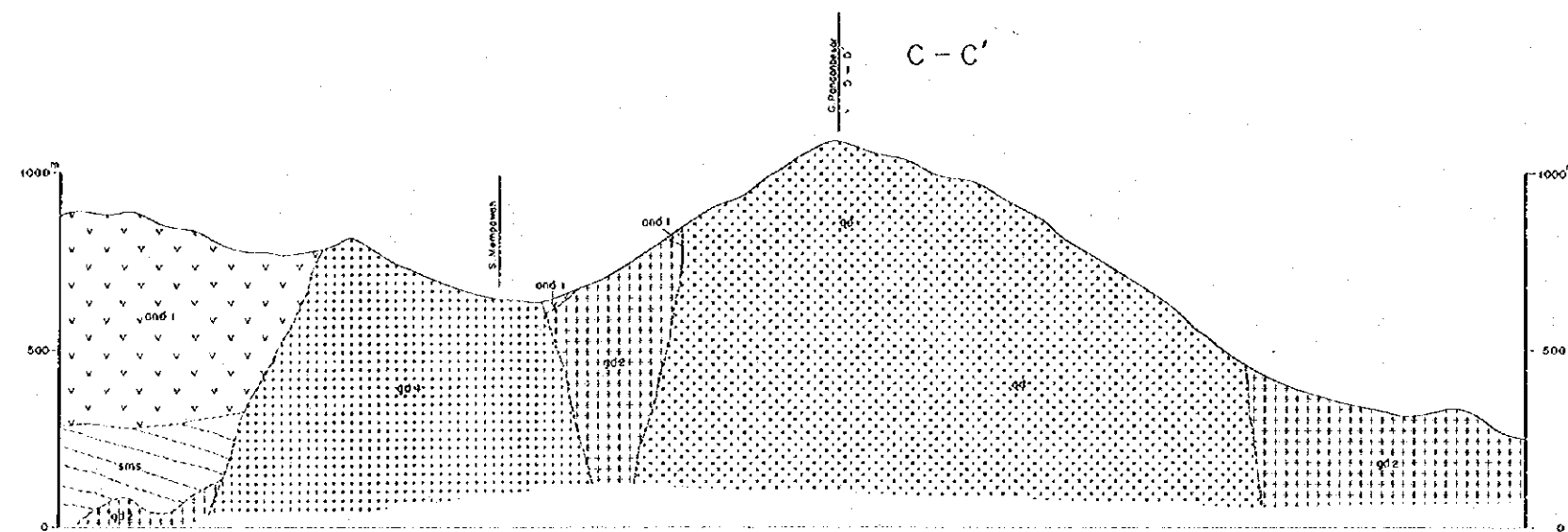
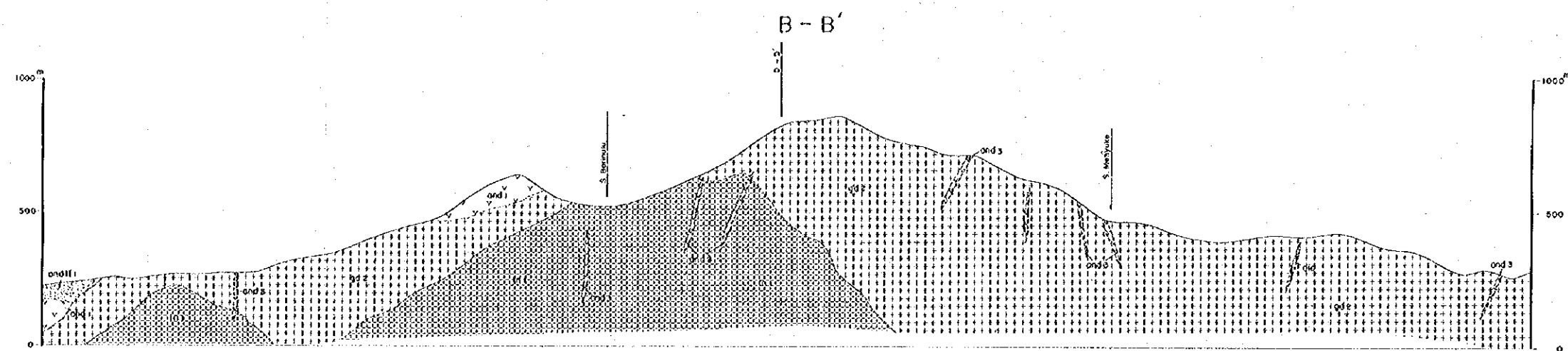


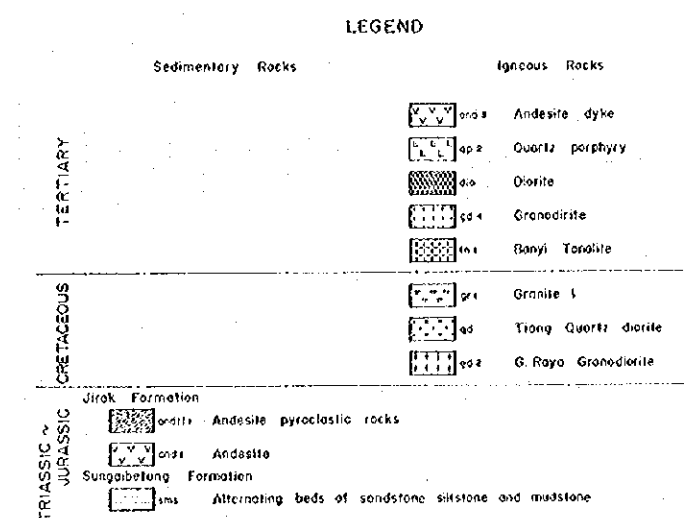
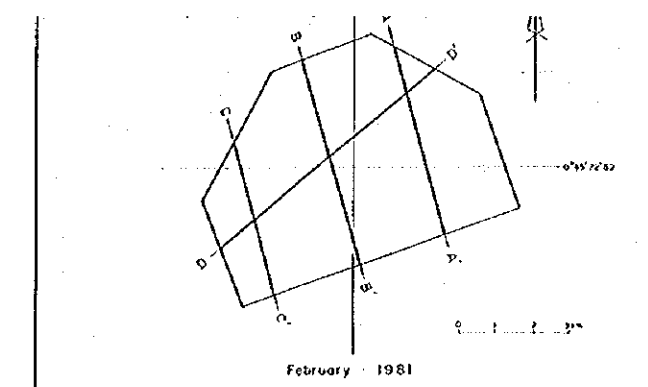
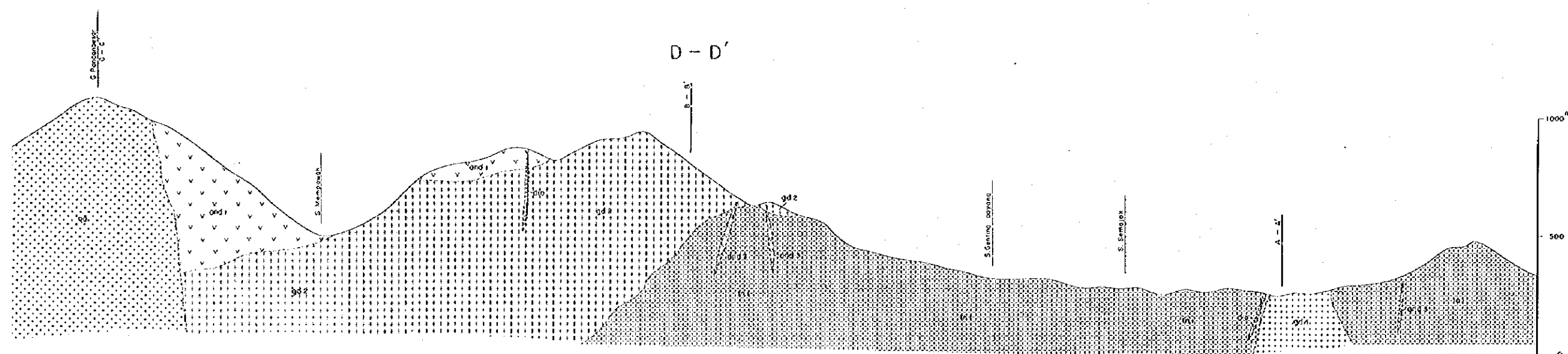
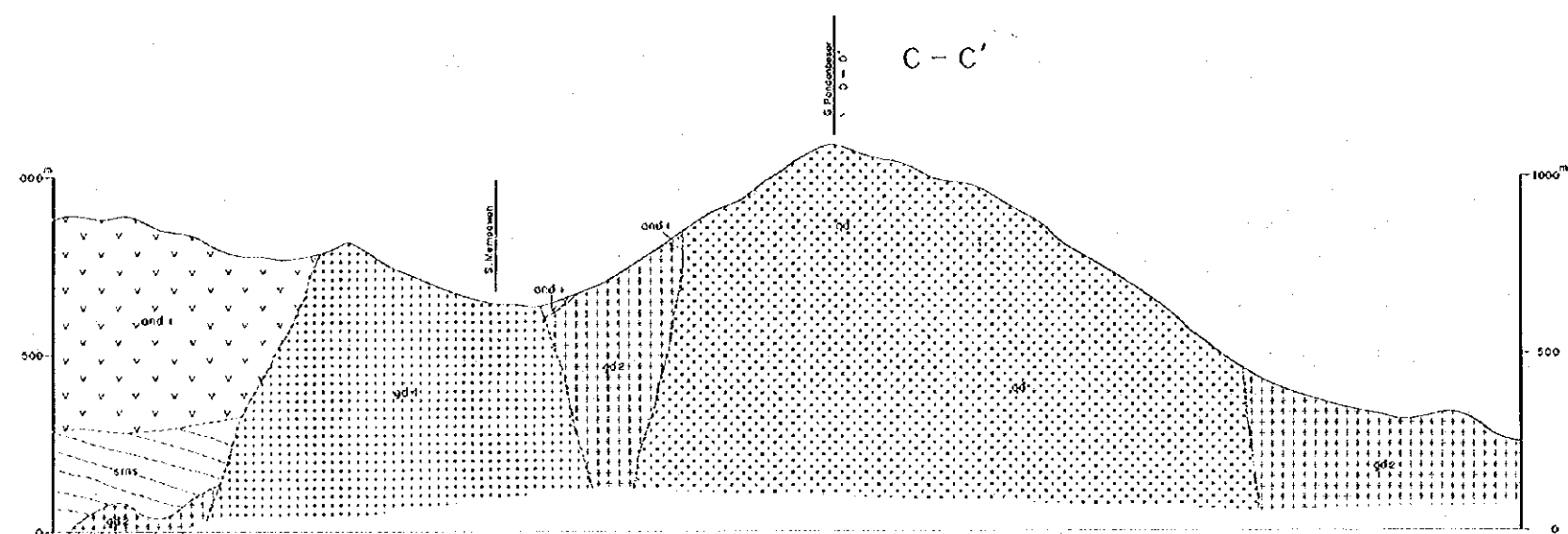
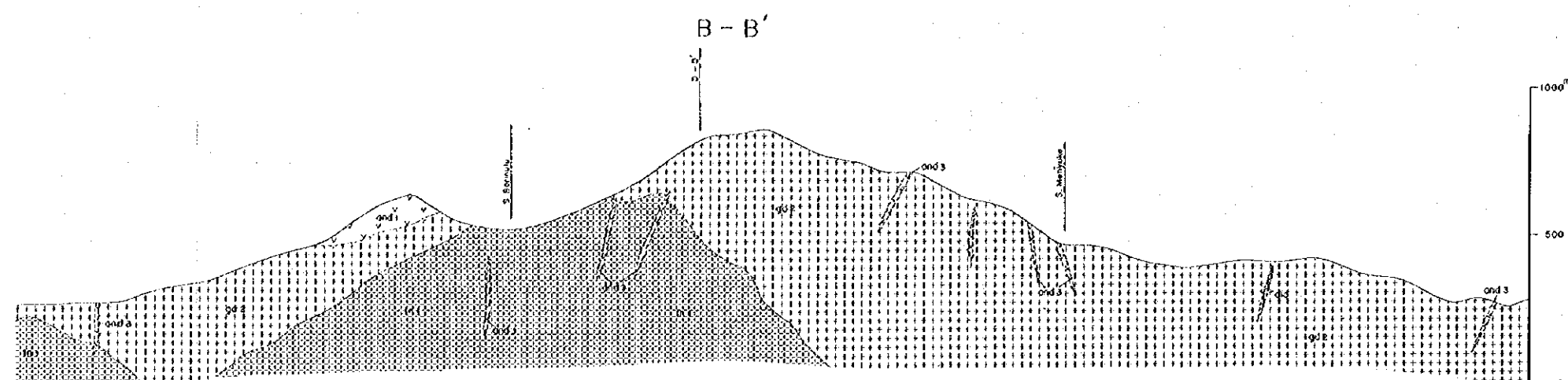
B - B'

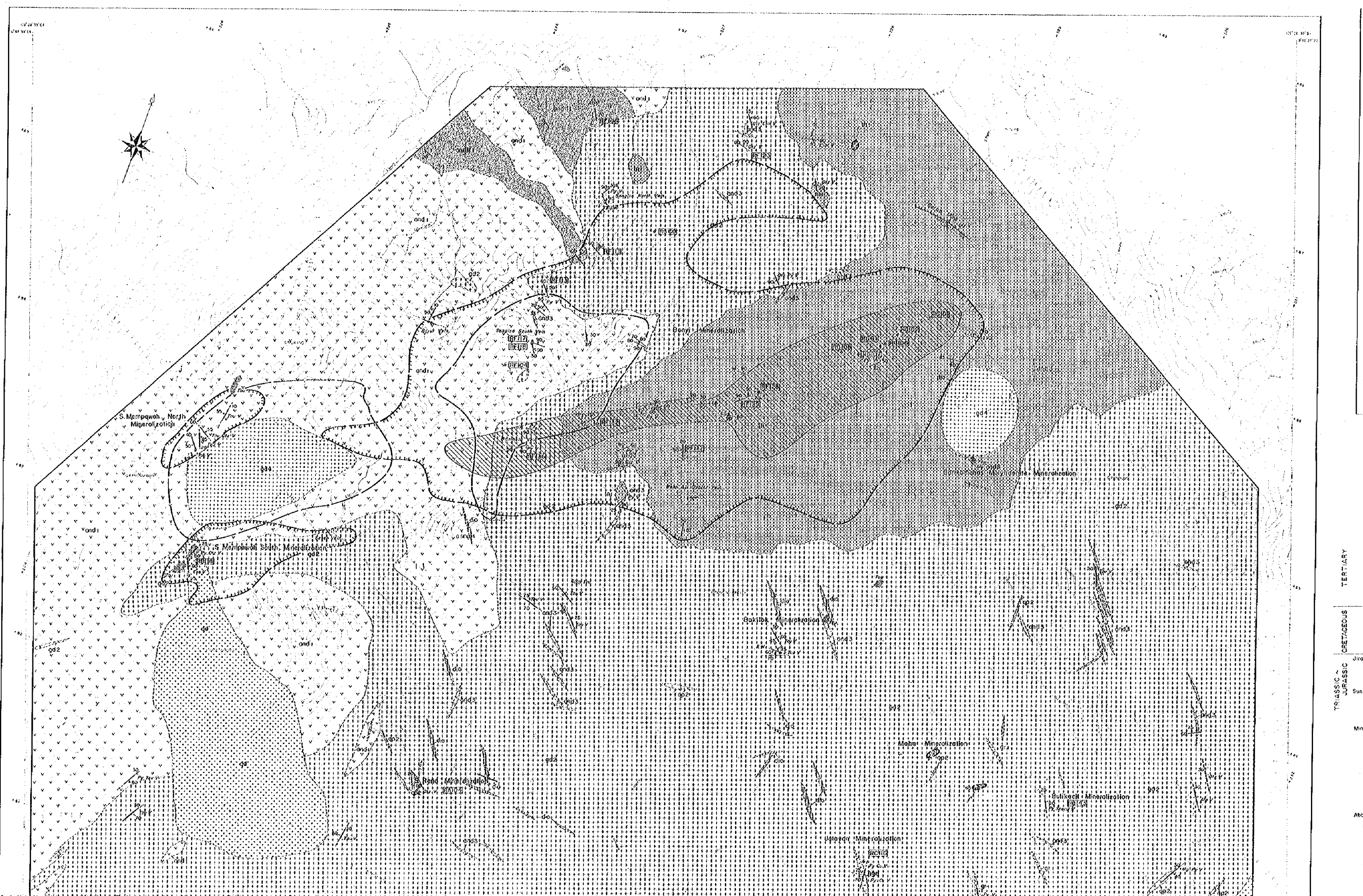


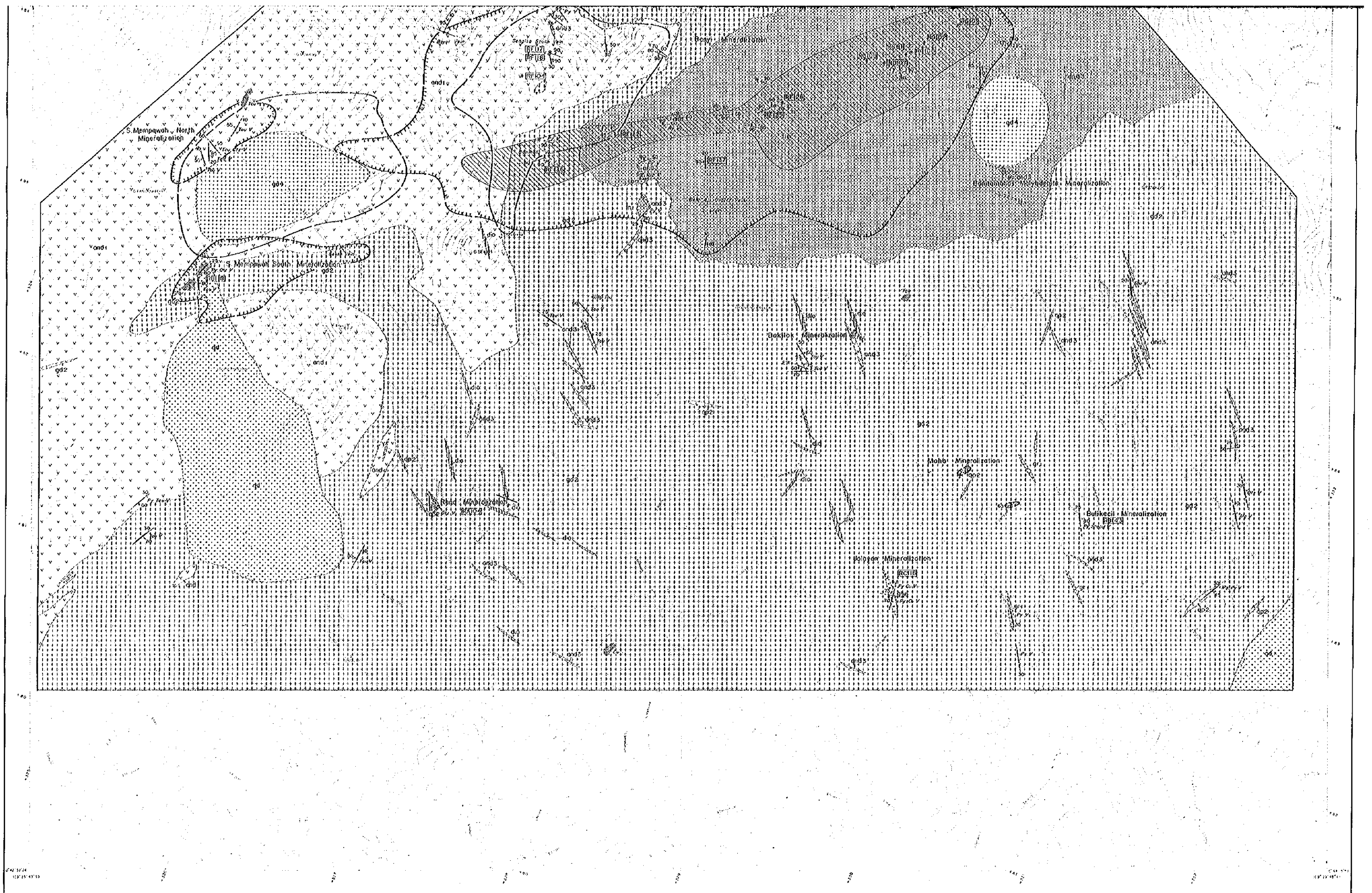
C - C'

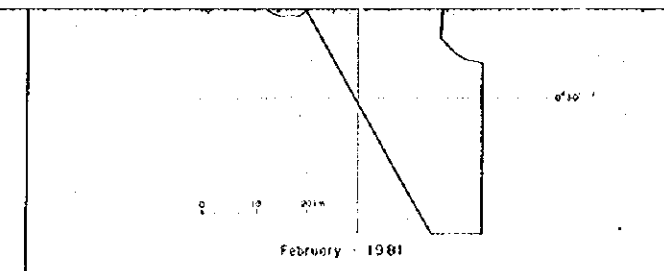
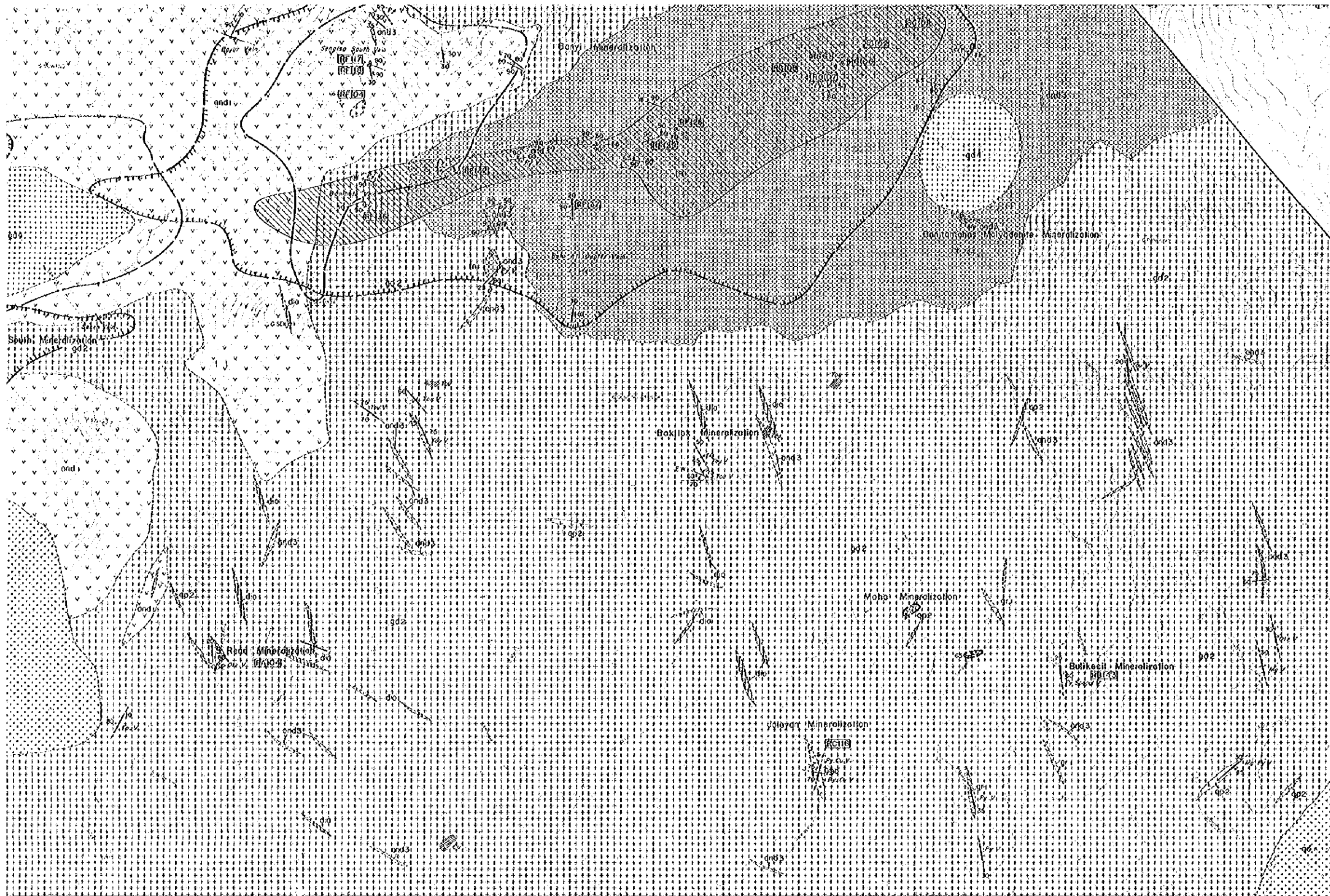












LEGEND

Sedimentary Rocks

Igneous Rocks

- Ands Andite dyke
- qp Quartz porphyry
- Di Diarite
- Gr Grondirite
- in Baeyl Terolite
- Granite 1
- Tiong Quariz diorite
- G. Raya Granodierite

TERTIARY

CRETACEOUS

Jirak Formation

Ands Andite pyroclastic rocks

Ands Andite

Sungababung Formation

Ands Alternating beds of sandstone siltstone and mudstone

Mineralization

Metalliferous ven, Ore bed, Quartz vein

Pyritic Mineralization (Weak-Medium, Py-dissimination in weakly altered rock and joint)

Pyritic Mineralization (Medium-Strong, Py-ventis network and Py-dissimination in altered rock)

Mineralization

Silicified zone

Abbreviation

Py Pyrite

Cu Copper

Tou Tourmaline

Mg Magnetite

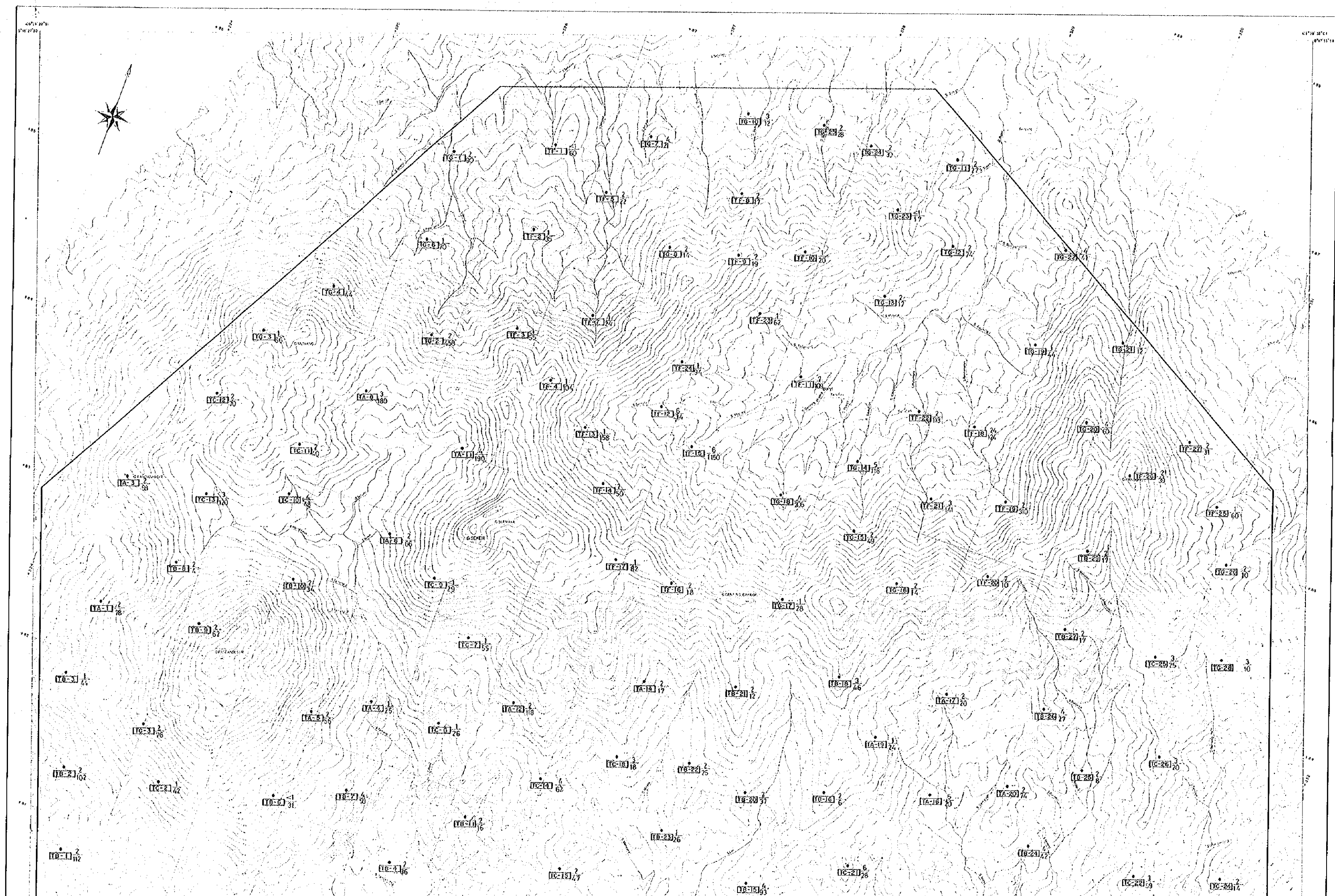
Qtz Quartz

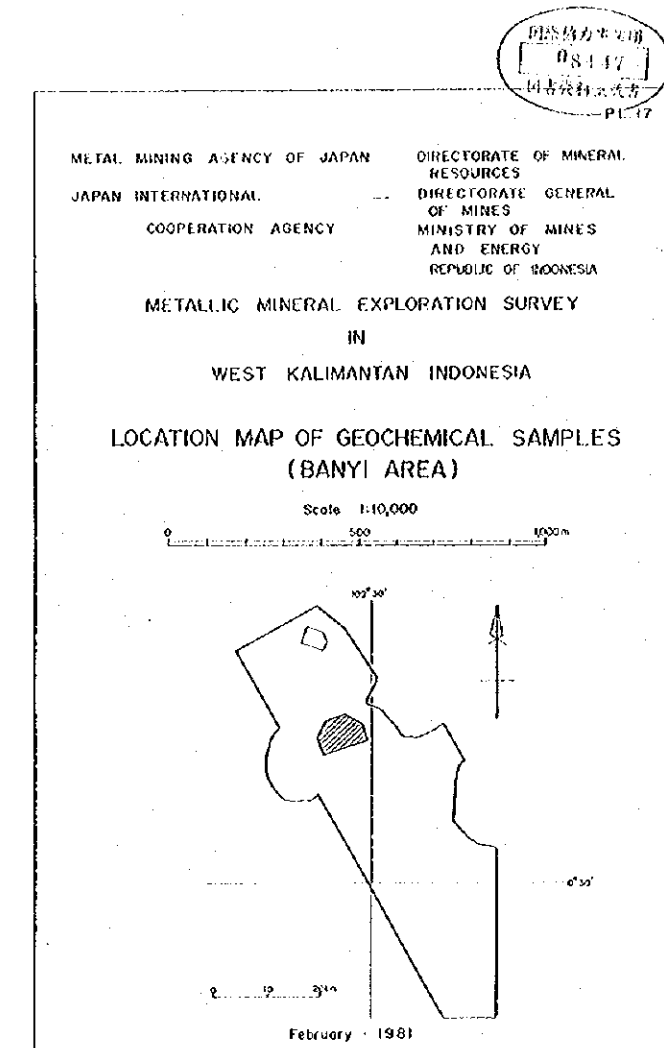
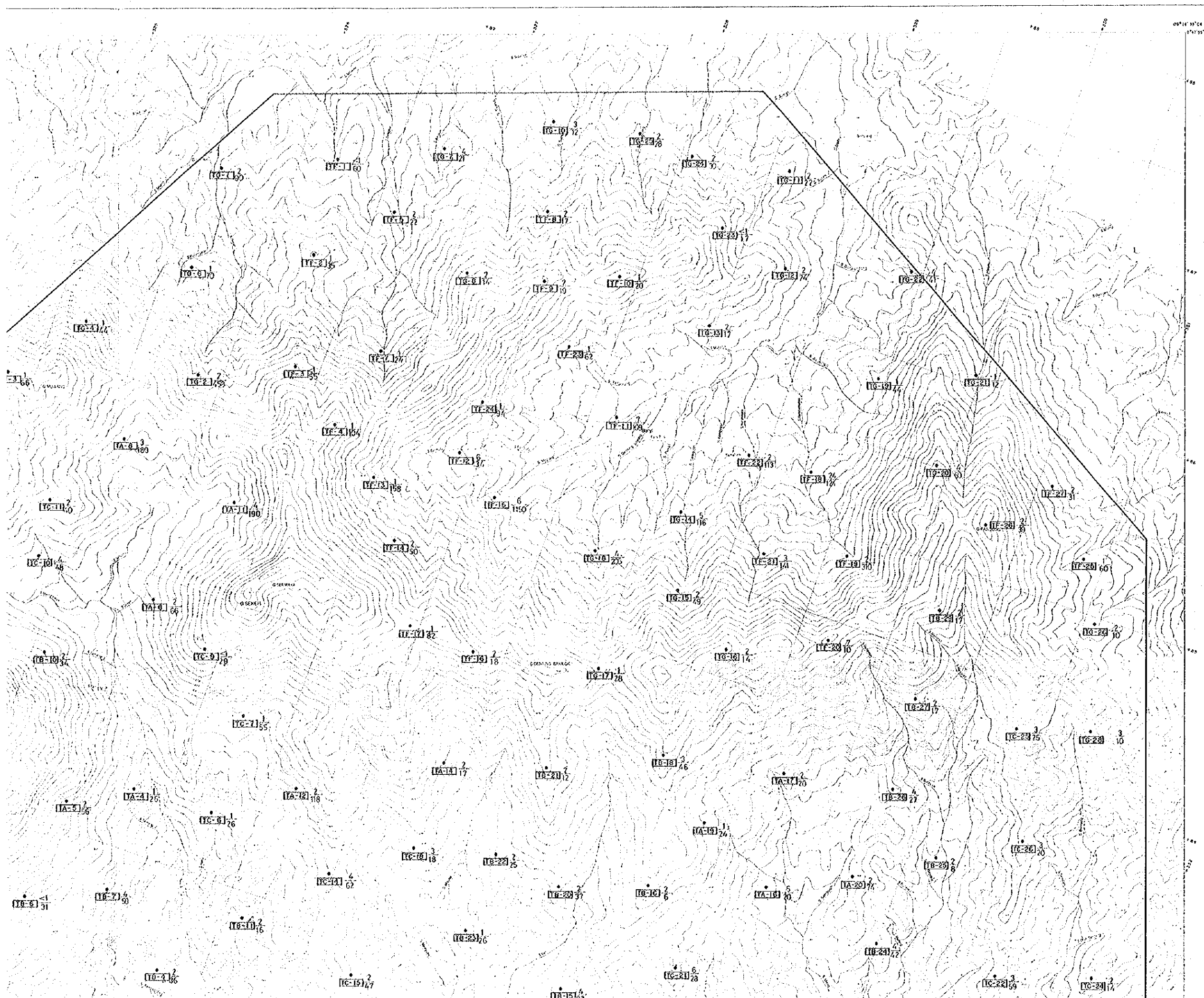
Mo Molybdenite

Specul Specularite

V Vein

	As g/t	Ag g/t	Cu %	Pb %	Zn %	Mo %
RA104	0.8	15	0.02	0.02	0.03	<0.01
RC118	0.2	24	2.36	—	—	—
RB143	0.1	17	1.01	<0.01	0.08	<0.01
RG101	<0.1	—	<0.01	—	—	—
RG102	<0.1	—	0.01	—	—	—
RG106	<0.1	—	0.01	—	—	—
RG 61	<0.1	< 2	<0.01	—	—	—
RG107	<0.1	—	0.01	—	—	—
RG108	<0.1	—	0.02	—	—	—
RF128	0.1	< 2	—	—	—	—
RF129	<0.1	< 2	<0.01	—	—	—
RF137	3.3	4	0.47	—	—	—
RF132	<0.1	< 2	—	—	—	—
RF136	4.8	4	—	—	—	—
RF123	<0.1	< 2	<0.01	—	—	—
RF108	34.9	12	0.09	—	—	—
RF111	<0.1	—	—	—	—	—
RF113	0.1	—	0.02	—	—	—
RF117	4.3	—	—	—	—	—
RF149A	5.3	—	—	—	—	—
RF104	<0.1	< 2	<0.01	—	—	—
RG 60	<0.1	< 2	<0.01	—	—	—
RB118	<0.1	< 2	<0.01	—	—	—

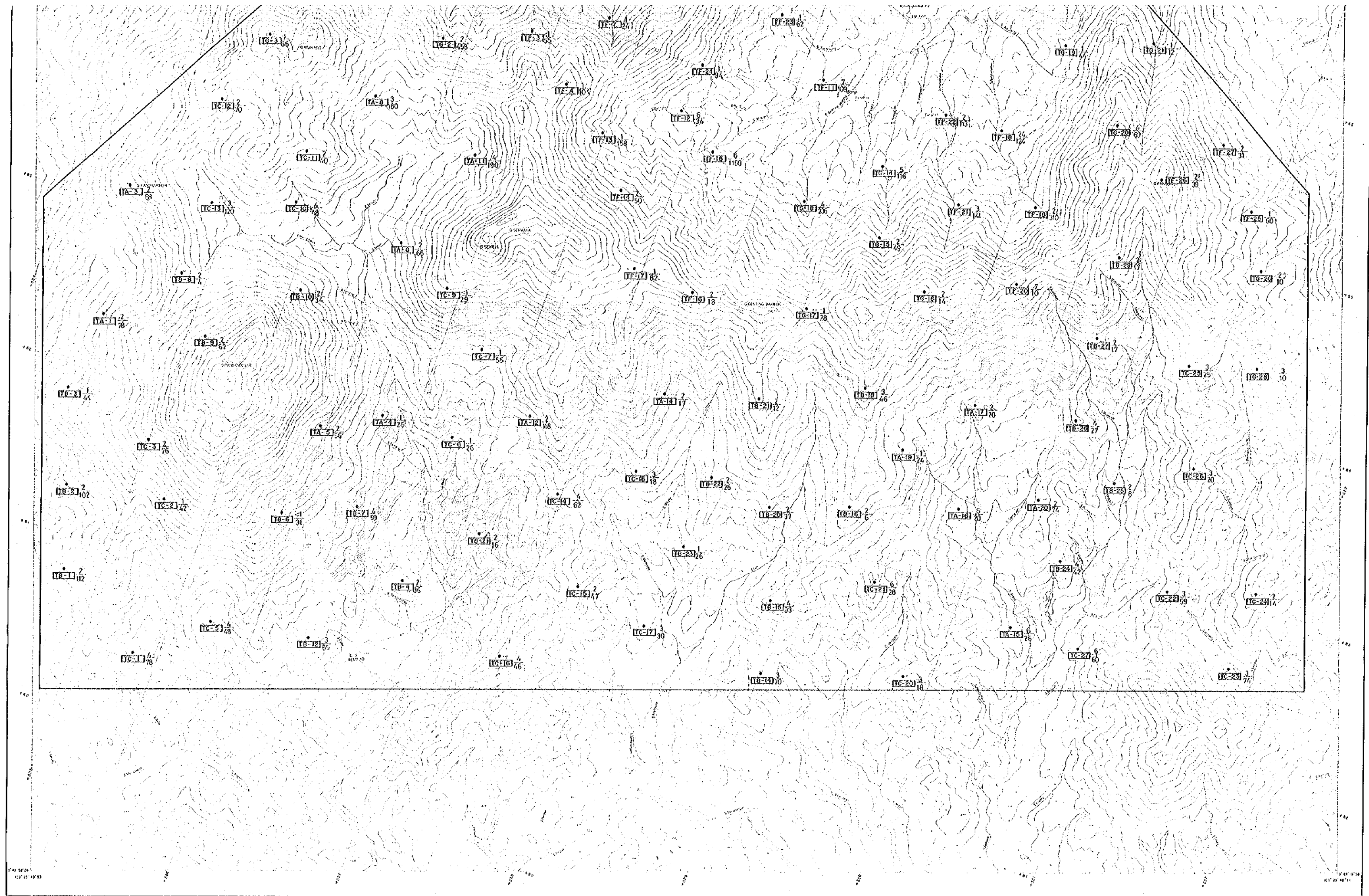


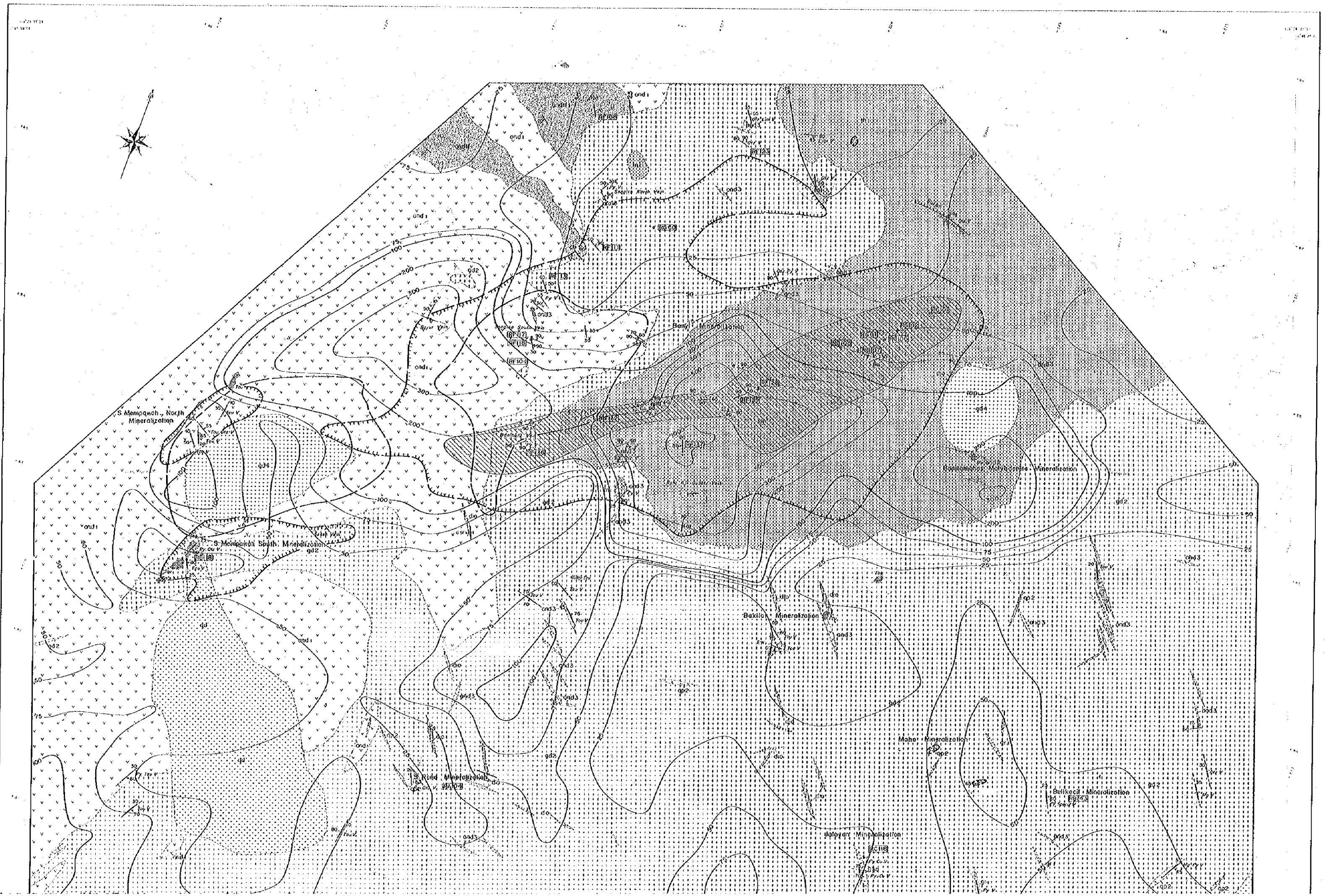


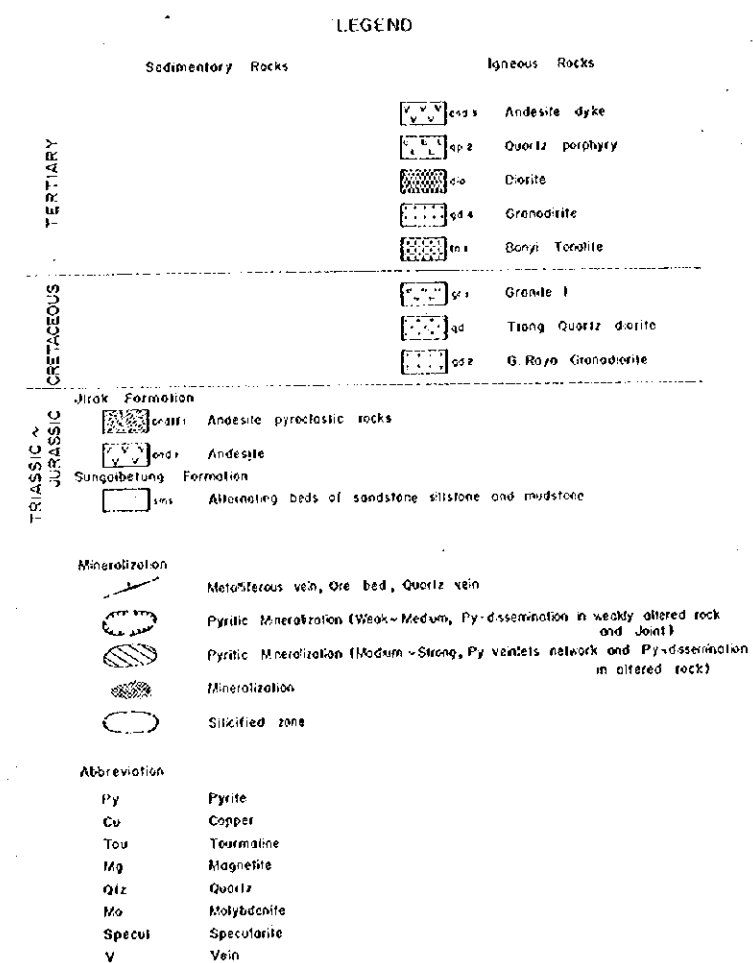
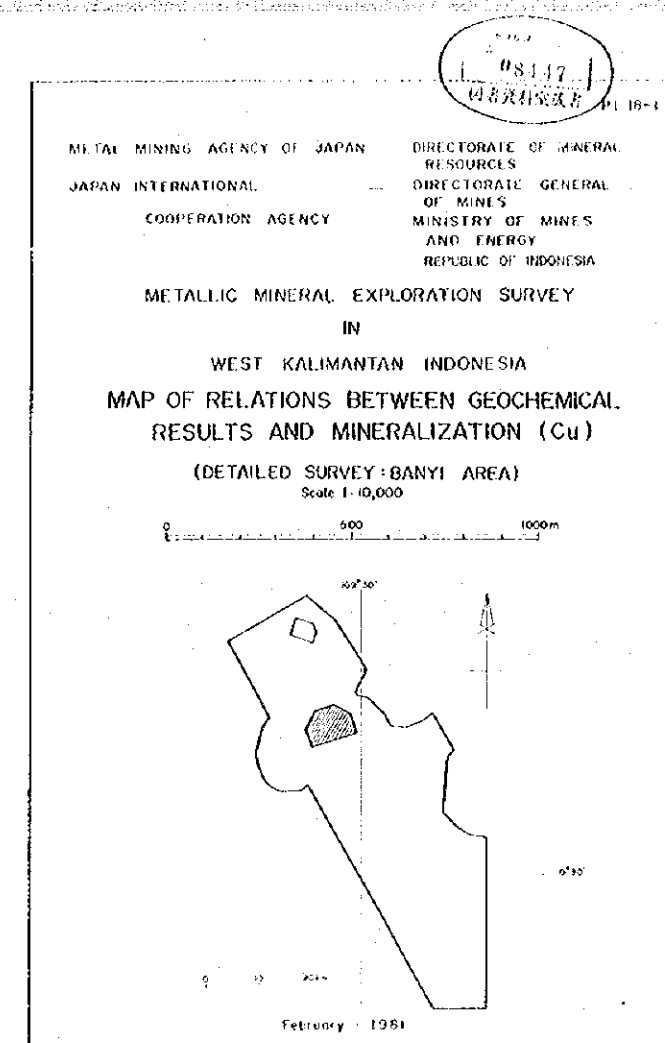
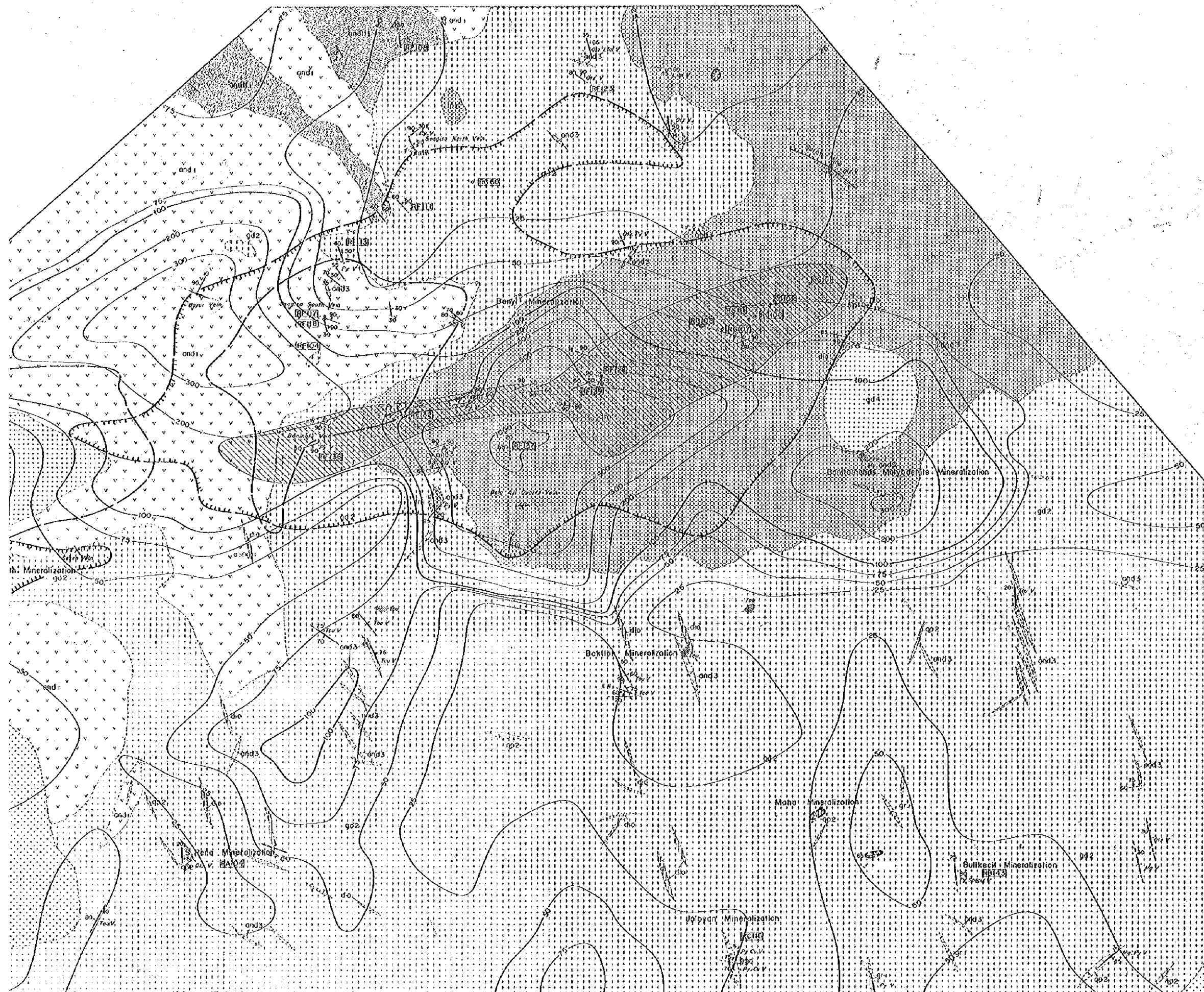
LEGEND

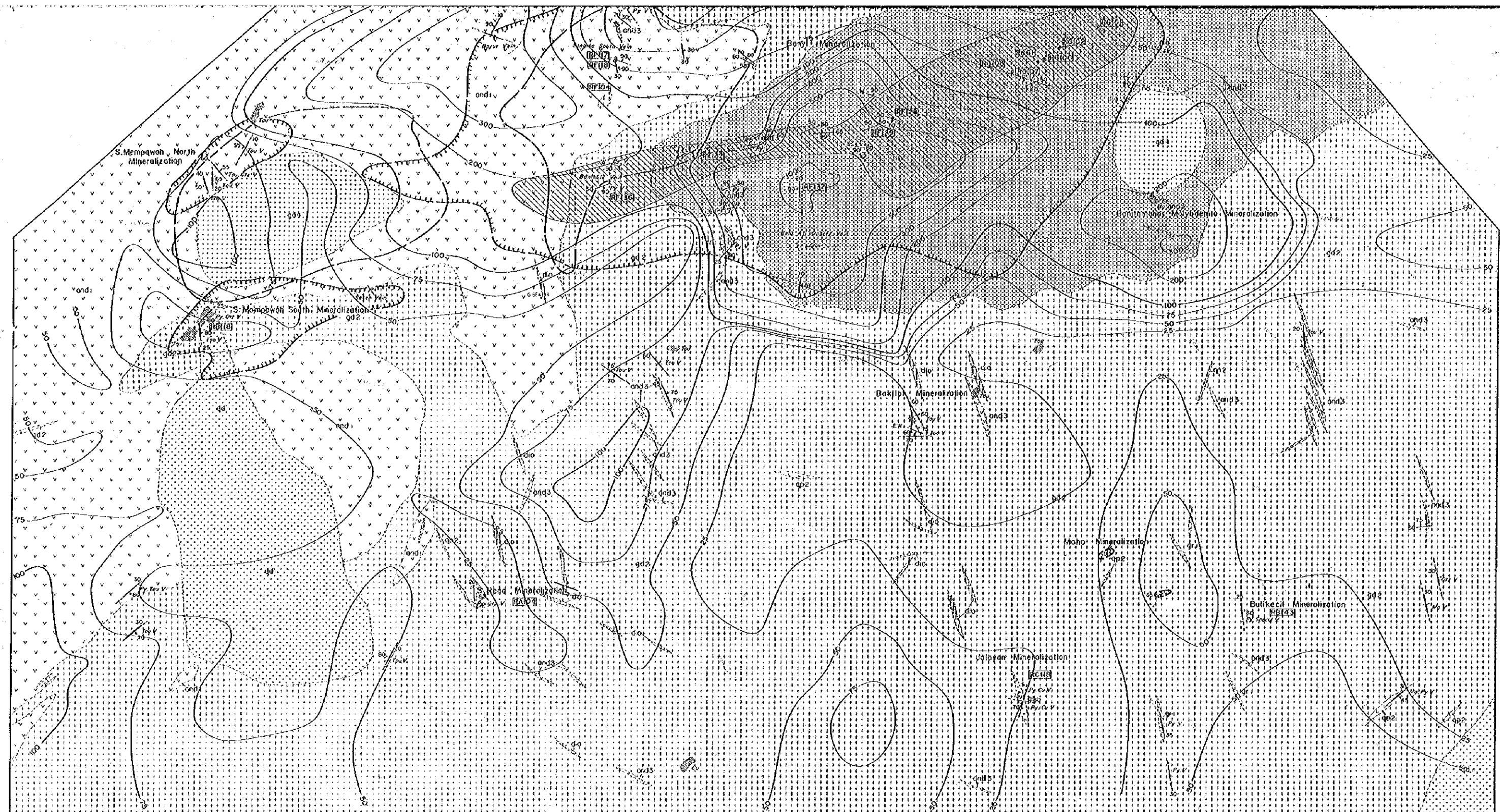
• (TG-23) Location of Soil Sample

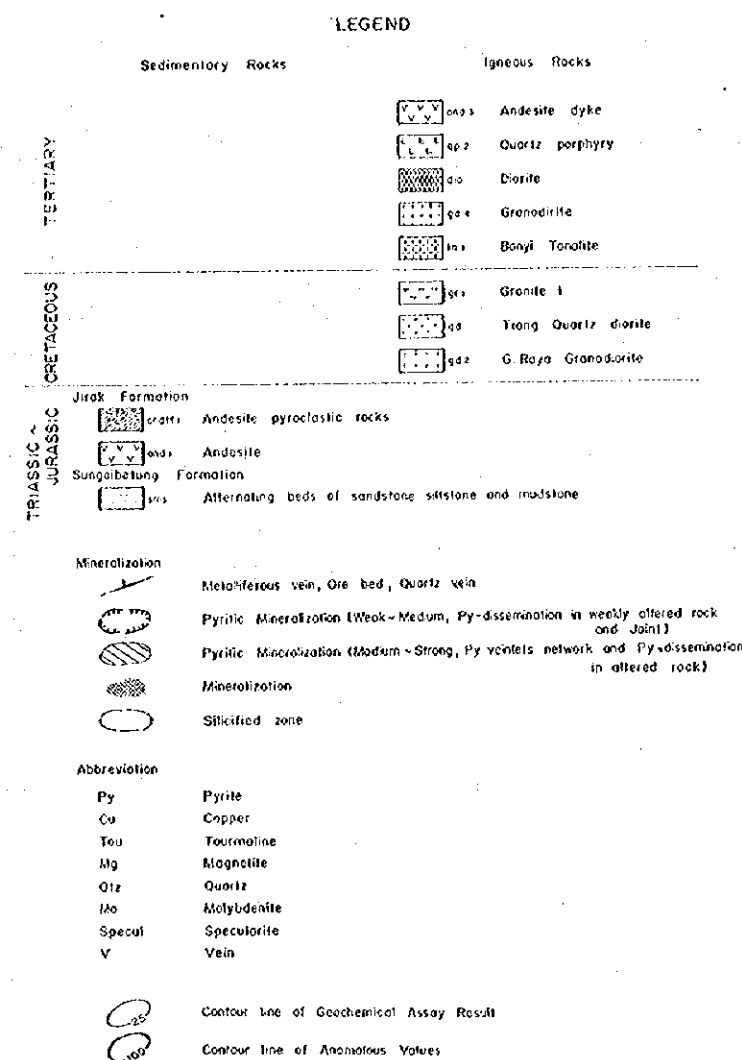
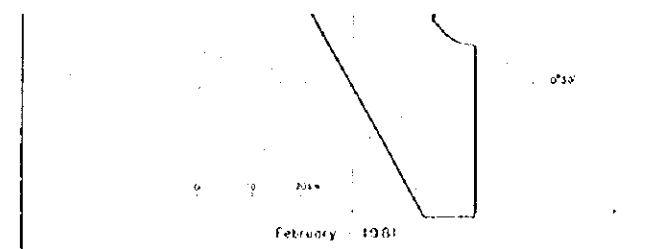
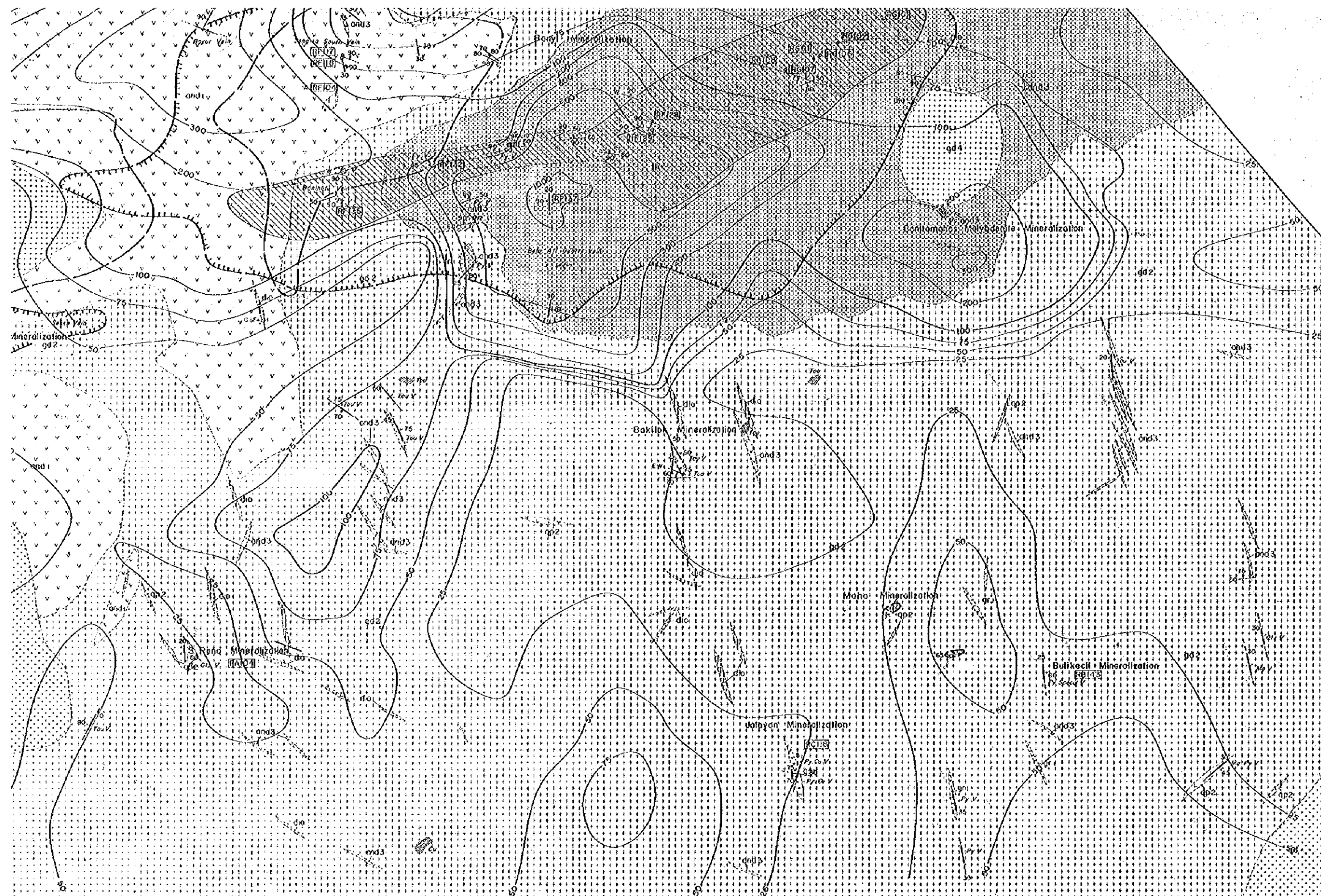
3/30 Assay Result of $\frac{\text{Mo}}{\text{Cu}}$



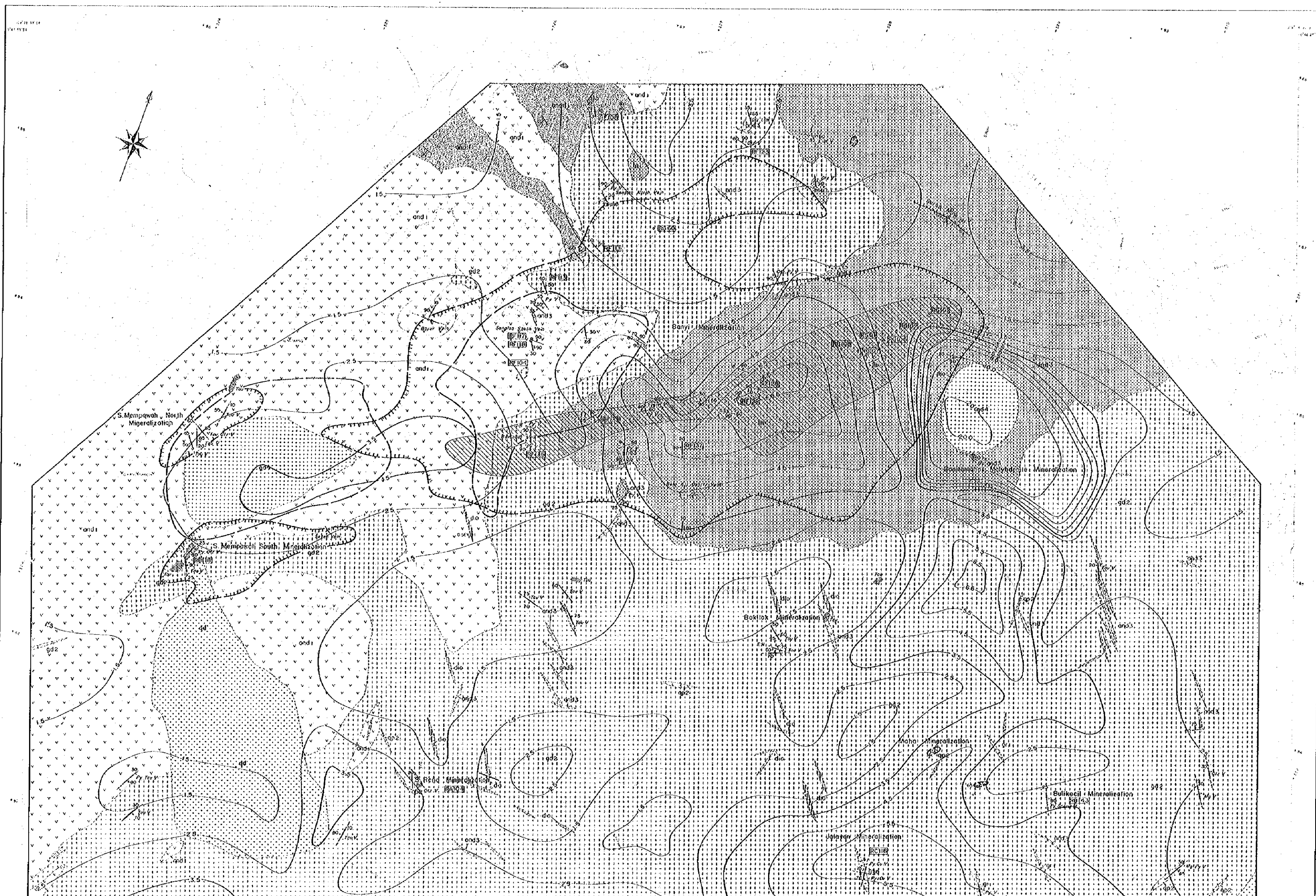


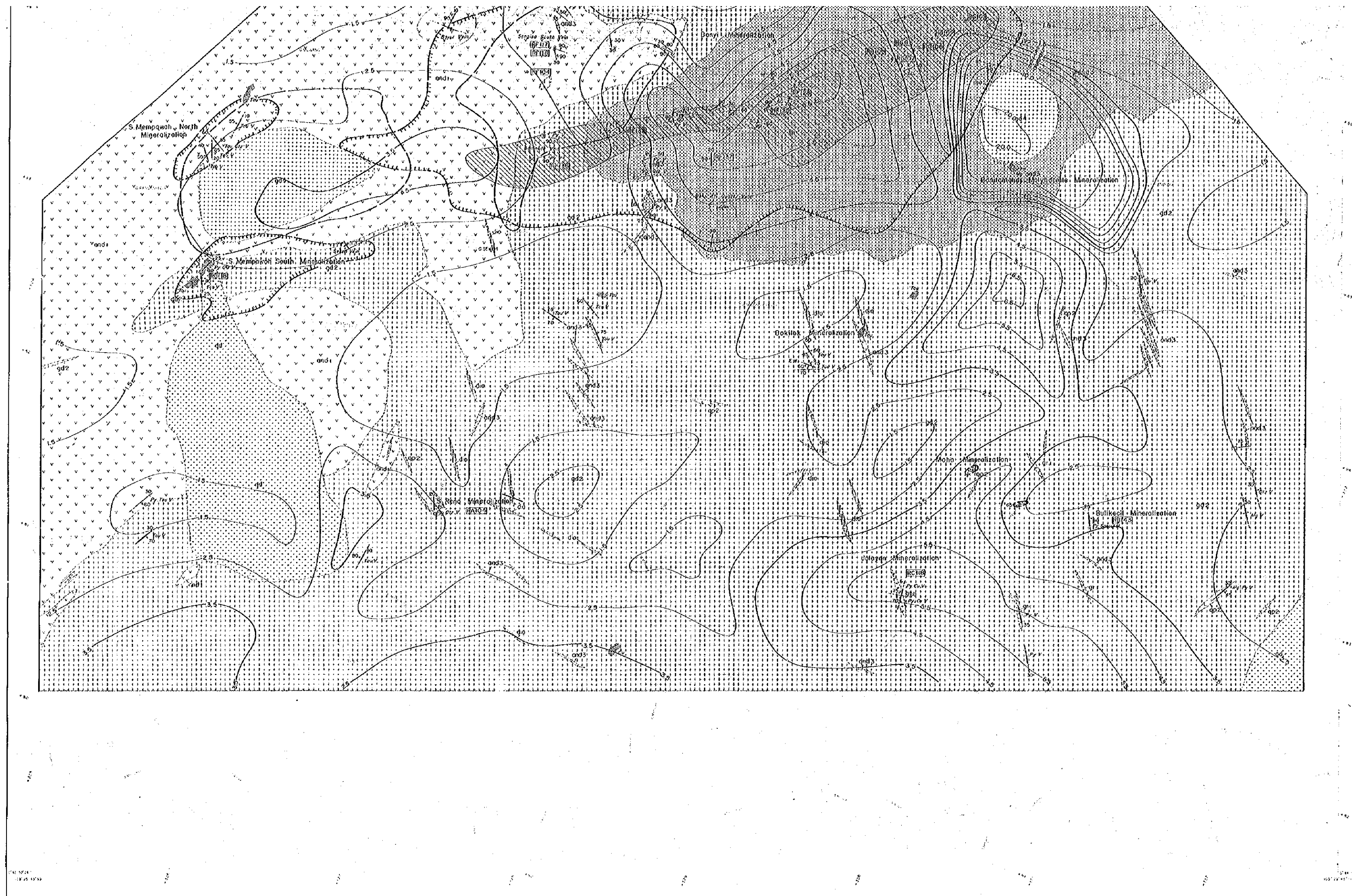


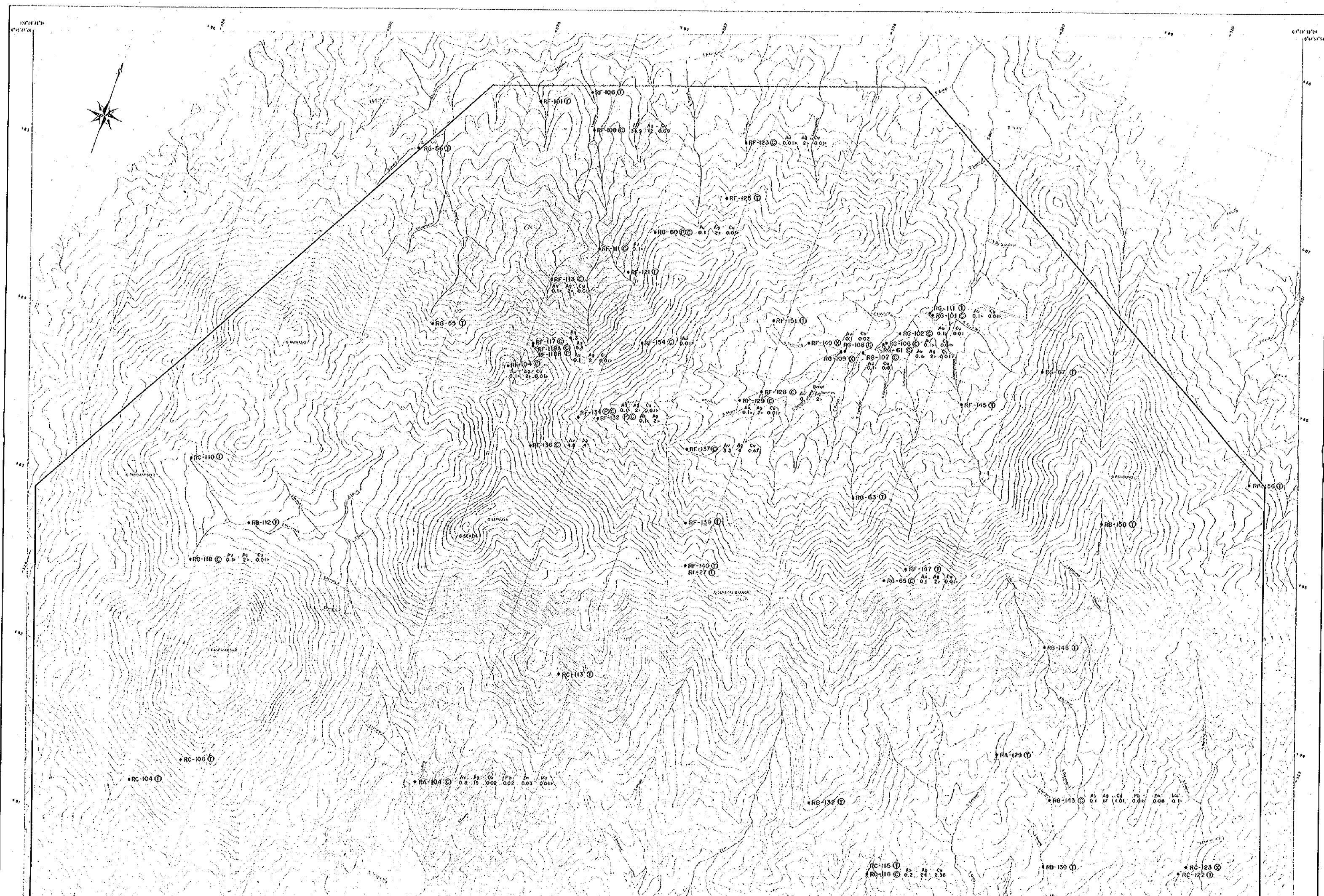


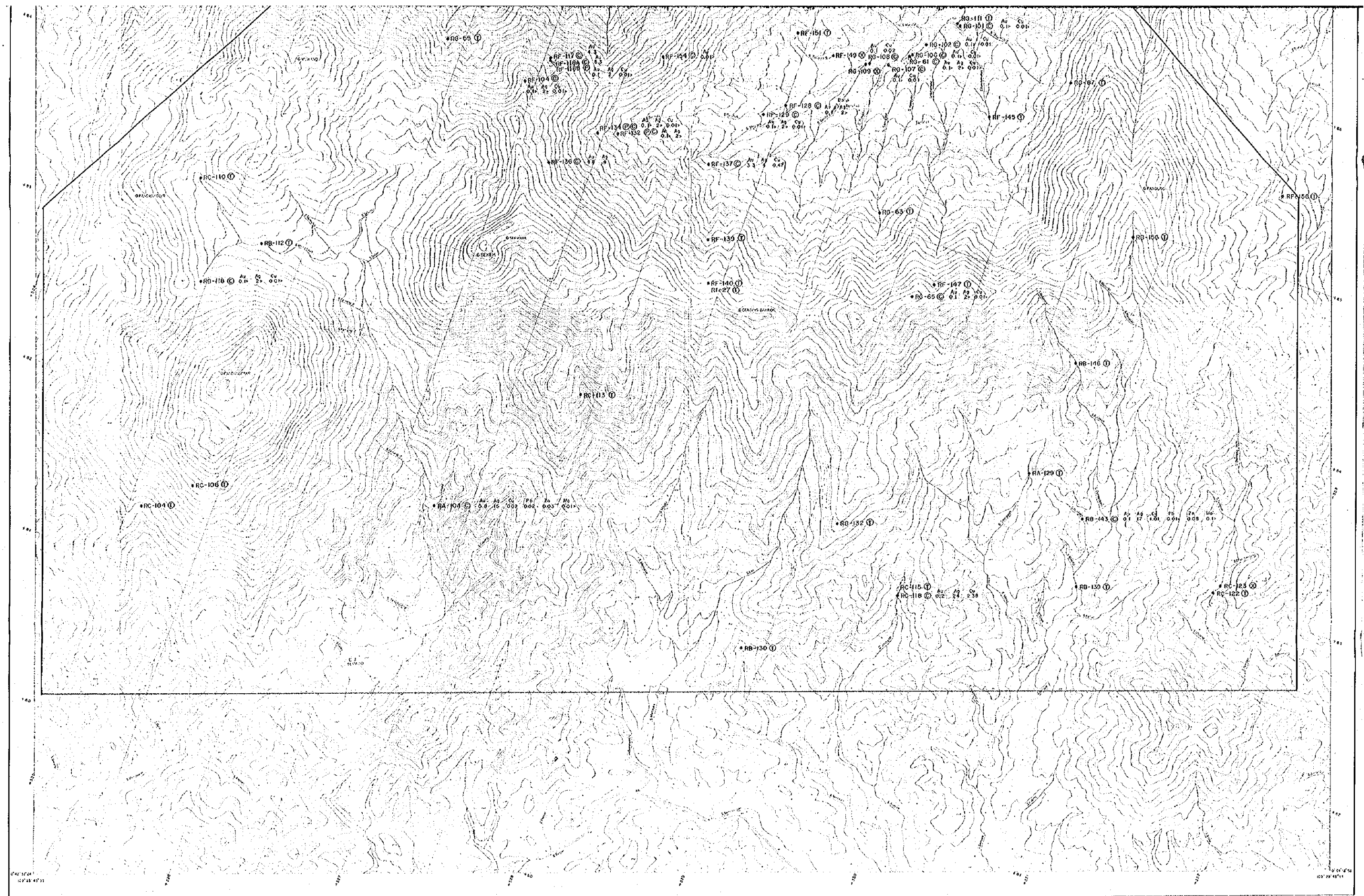


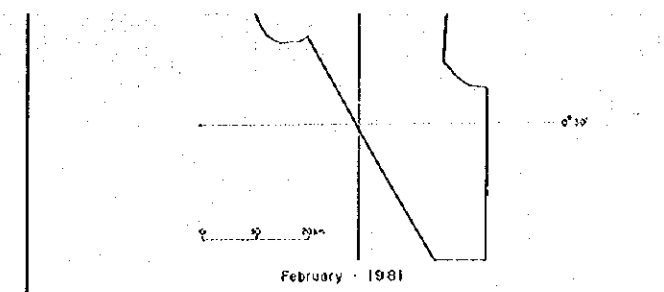
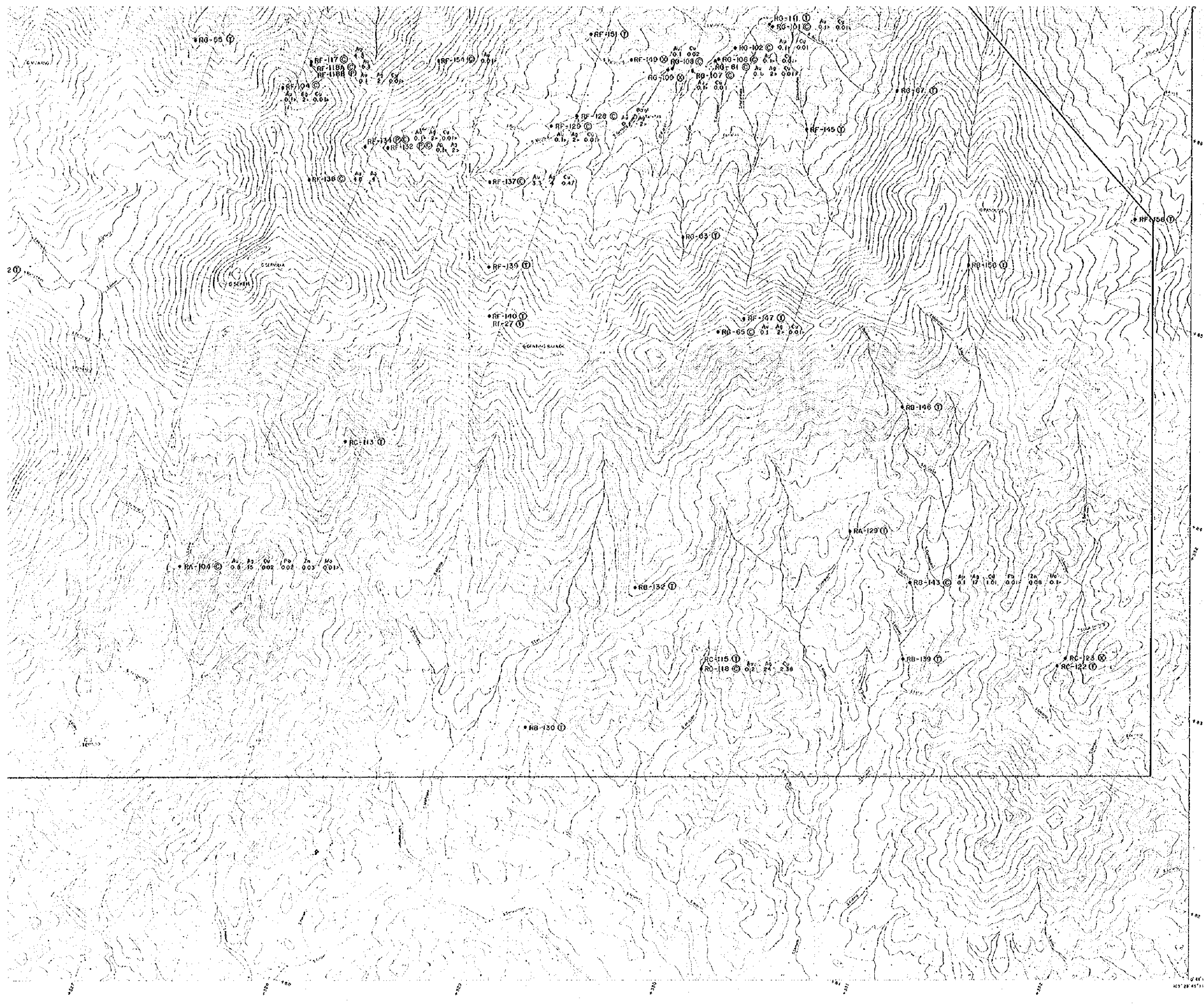
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RG101	<0.1	—	<0.01	—	—	—
RG102	<0.1	—	0.04	—	—	—
RG106	<0.1	—	0.01	—	—	—
RG 61	<0.1	< 2	<0.01	—	—	—
RG107	<0.1	—	0.01	—	—	—
RG108	<0.1	—	0.02	—	—	—
RF120	0.1	< 2	—	—	—	—
RF129	<0.1	< 2	<0.01	—	—	—
RF137	3.3	4	0.47	—	—	—
RF132	<0.1	< 2	—	—	—	—
RF105	0.8	4	—	—	—	—
RF123	<0.1	< 2	<0.01	—	—	—
RF108	34.9	12	0.09	—	—	—
RF141	<0.1	—	—	—	—	—
RF113	0.1	—	0.02	—	—	—
RF117	4.3	—	—	—	—	—
RF118A	5.3	—	—	—	—	—
RF104	<0.1	< 2	<0.01	—	—	—
RG 50	<0.1	< 2	<0.01	—	—	—
RB118	<0.1	< 2	<0.01	—	—	—











LEGEND

① Thin section
 ② X-Ray analysis
 ③ Polished section
 ④ Mineral chemical analysis

Assay Result
 Au% Ag% Cu% Pb% Zn% Mo%

