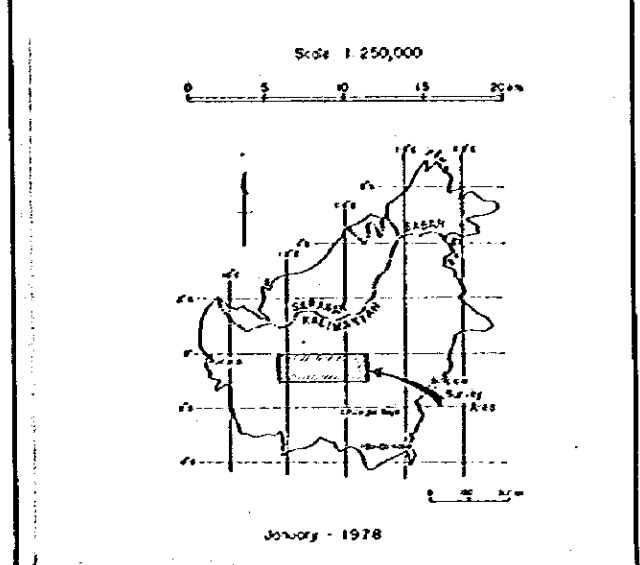
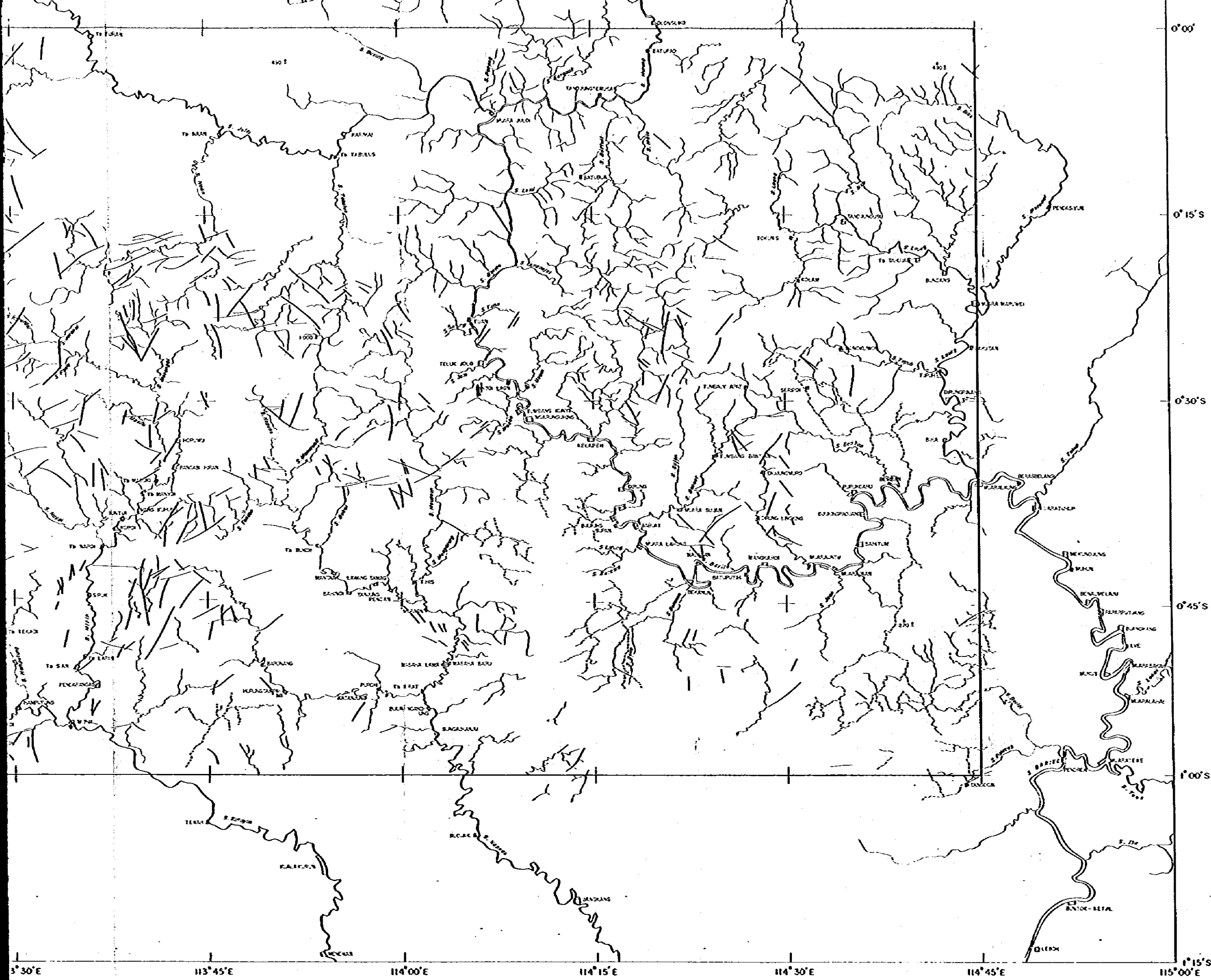
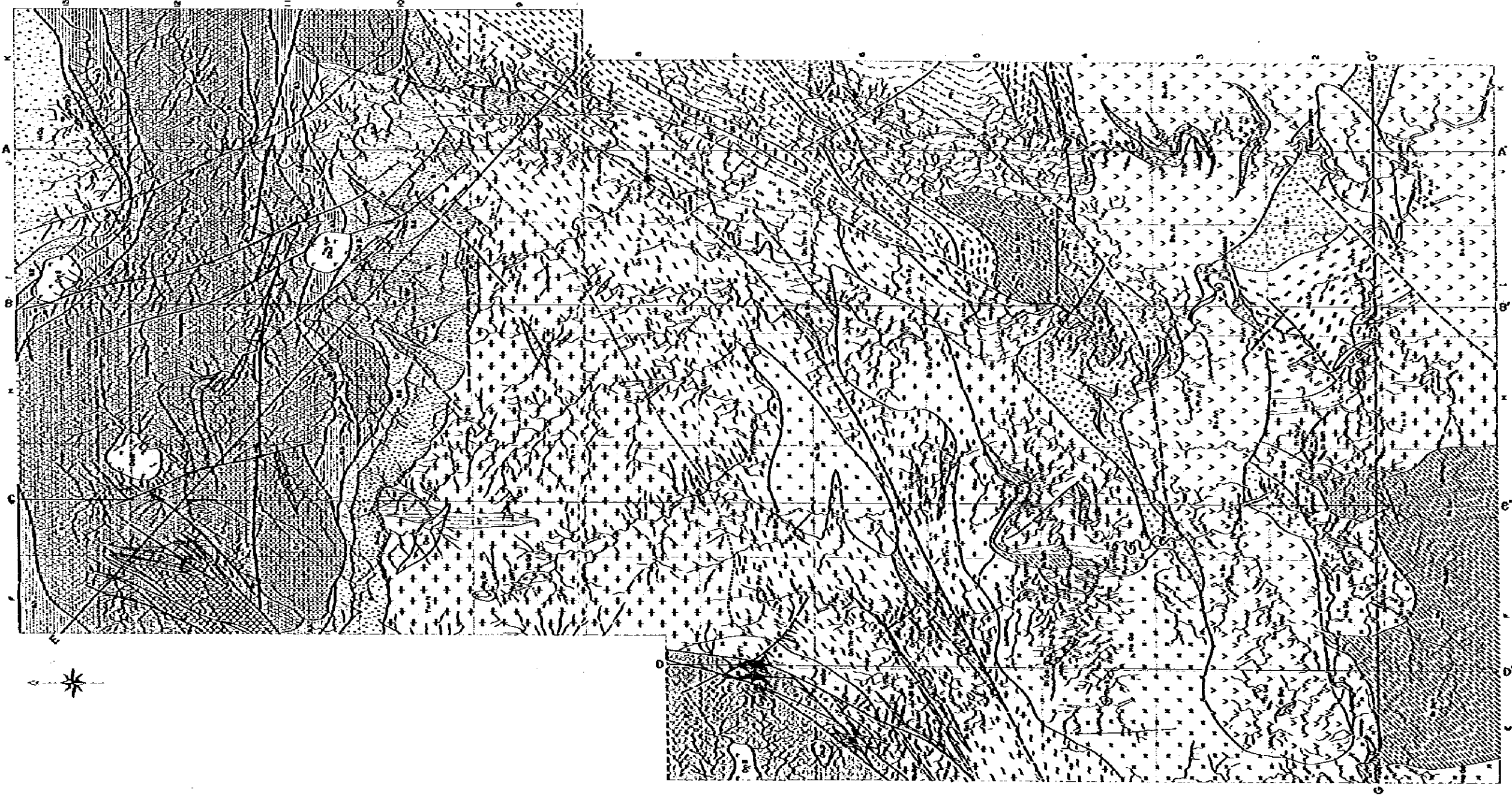


3°00'E 113°15'E 113°30'E 113°45'E 114°00'E 114°15'E 114°30'E 114°45'E 115



Legend  
L Contour



PL. 6

METAL MINING AGENCY OF JAPAN  
 GEOLOGICAL SURVEY OF INDONESIA  
 DIRECTORATE GENERAL OF MINES  
 COOPERATION AGENCY MINISTRY OF MINES AND ENERGY  
 GEOLOGICAL SURVEY OF CENTRAL KALIMANTAN INDONESIA  
 GEOLOGICAL MAP

February, 1979

Scale 1:100,000

**LEGEND**

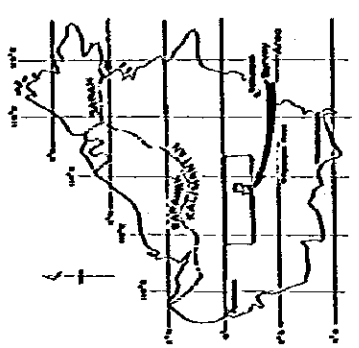
<p>QUATERNARY</p> <p>Gravel, Sand, Silt</p>	<p>Manupung Sandstone-Siltstone Alternation Member</p> <p>Ss</p>	<p>Sandstone-Siltstone Alternation Member</p> <p>Ss</p>	<p>Sandstone-Siltstone Alternation Member</p> <p>Ss</p>
<p>Andalite Formation</p> <p>Bs</p> <p>Da An</p> <p>Basal-brecciated andesite</p> <p>Rv An</p> <p>Porphyritic andesite</p> <p>Sil</p> <p>Siltstone, mudstone</p> <p>Tn Br</p> <p>Tu, Turb. breccia</p> <p>VI Cg</p> <p>Volcanic conglomerate</p>	<p>Songai Mudstone-Shale Member</p> <p>S Ma</p> <p>Mudstone, Shale</p> <p>S Ty</p> <p>Fine turb.</p>	<p>Merangai Conglomerate Member</p> <p>M Co</p> <p>Conglomerate</p>	<p>Andalite Formation</p> <p>Bs</p> <p>Da An</p> <p>Basal-brecciated andesite</p> <p>Rv An</p> <p>Porphyritic andesite</p> <p>Sil</p> <p>Siltstone, mudstone</p> <p>Tn Br</p> <p>Tu, Turb. breccia</p> <p>VI Cg</p> <p>Volcanic conglomerate</p>
<p>Alteration of fine sandstone and shale</p> <p>Sa</p> <p>Shale</p> <p>Alteration of sandstone and shale</p> <p>Sf</p> <p>C.Ss Coarse sandstone (Q fossil)</p> <p>Sf</p> <p>S.Cg basal conglomerate</p>	<p>Metamorphic rocks</p> <p>Mt</p> <p>Blotite hornfels (Pujongki Hornfels)</p> <p>Rhy</p> <p>Phyllite (Maboon Phyllite)</p> <p>Sch</p> <p>Sch. Gm</p> <p>Sch. Gm, Co-Sch</p> <p>Sch. Gm, Co-Sch, Epidote-Serpent, Pyroxene (Serpent) ( )</p> <p>MsGn</p> <p>Blotite-hornblende Gneiss</p>	<p>Alteration of fine sandstone and shale</p> <p>Sa</p> <p>Shale</p> <p>Alteration of sandstone and shale</p> <p>Sf</p> <p>C.Ss Coarse sandstone (Q fossil)</p> <p>Sf</p> <p>S.Cg basal conglomerate</p>	<p>Metamorphic rocks</p> <p>Mt</p> <p>Blotite hornfels (Pujongki Hornfels)</p> <p>Rhy</p> <p>Phyllite (Maboon Phyllite)</p> <p>Sch</p> <p>Sch. Gm</p> <p>Sch. Gm, Co-Sch</p> <p>Sch. Gm, Co-Sch, Epidote-Serpent, Pyroxene (Serpent) ( )</p> <p>MsGn</p> <p>Blotite-hornblende Gneiss</p>
<p>Igneous rocks</p> <p>Pyr An</p> <p>Pyroxen andesite</p> <p>Rhy</p> <p>Rhyolite</p> <p>Da 2</p> <p>Hornblende-biotite diorite, Diorite, porphyry</p> <p>An P</p> <p>Augite-hornblende andesite, Porphyrite</p> <p>Gd P</p> <p>Gneissolite - porphyrite</p> <p>Dr P</p> <p>Diorite-porphyrine, Quartz diorite-porphyrine</p> <p>Dr</p> <p>Diorite, Quartz diorite</p> <p>Bi Gd</p> <p>Leucocratic biotite gneissolite (Pujongki Gneissolite)</p> <p>Ms Gd</p> <p>Hornblende gneissolite (Maboon, Teras Gneissolite)</p> <p>Pel</p> <p>Pelite</p> <p>Da 1</p> <p>Hornblende-biotite diorite</p> <p>Tn</p> <p>Hornblende tonalite (Maboon Tonalite)</p> <p>Tn-S (Sak )</p> <p>Tn-M (Mrt )</p> <p>Gn Th</p> <p>Hornblende tonalite (Gn Th) (Maboon gneissolite tonalite) (Gn Th-S (Sak )</p> <p>Gn Th-S (Mrt )</p> <p>Tn Gn</p> <p>Tonalite - gneiss</p>	<p>Boundary of different rock</p> <p>Normal fault confirmed</p> <p>Transitional boundary of similar rock</p> <p>Normal fault inferred</p> <p>Strike and dip of bedding</p> <p>Reverse fault confirmed</p> <p>Schistosity and gneissosity</p> <p>Reverse fault inferred</p> <p>Angular axis</p> <p>Reverse fault inferred in basement rock</p> <p>Synclinal axis</p> <p>Synclinal axis (A)</p> <p>Line of profile map</p>	<p>Alteration of fine sandstone and shale</p> <p>Sa</p> <p>Shale</p> <p>Alteration of sandstone and shale</p> <p>Sf</p> <p>C.Ss Coarse sandstone (Q fossil)</p> <p>Sf</p> <p>S.Cg basal conglomerate</p>	<p>Metamorphic rocks</p> <p>Mt</p> <p>Blotite hornfels (Pujongki Hornfels)</p> <p>Rhy</p> <p>Phyllite (Maboon Phyllite)</p> <p>Sch</p> <p>Sch. Gm</p> <p>Sch. Gm, Co-Sch</p> <p>Sch. Gm, Co-Sch, Epidote-Serpent, Pyroxene (Serpent) ( )</p> <p>MsGn</p> <p>Blotite-hornblende Gneiss</p>

METAL MINING AGENCY OF JAPAN  
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 GEOLOGICAL SURVEY OF INDONESIA  
 DIRECTORATE GENERAL OF MINES  
 MINISTRY OF MINES AND ENERGY

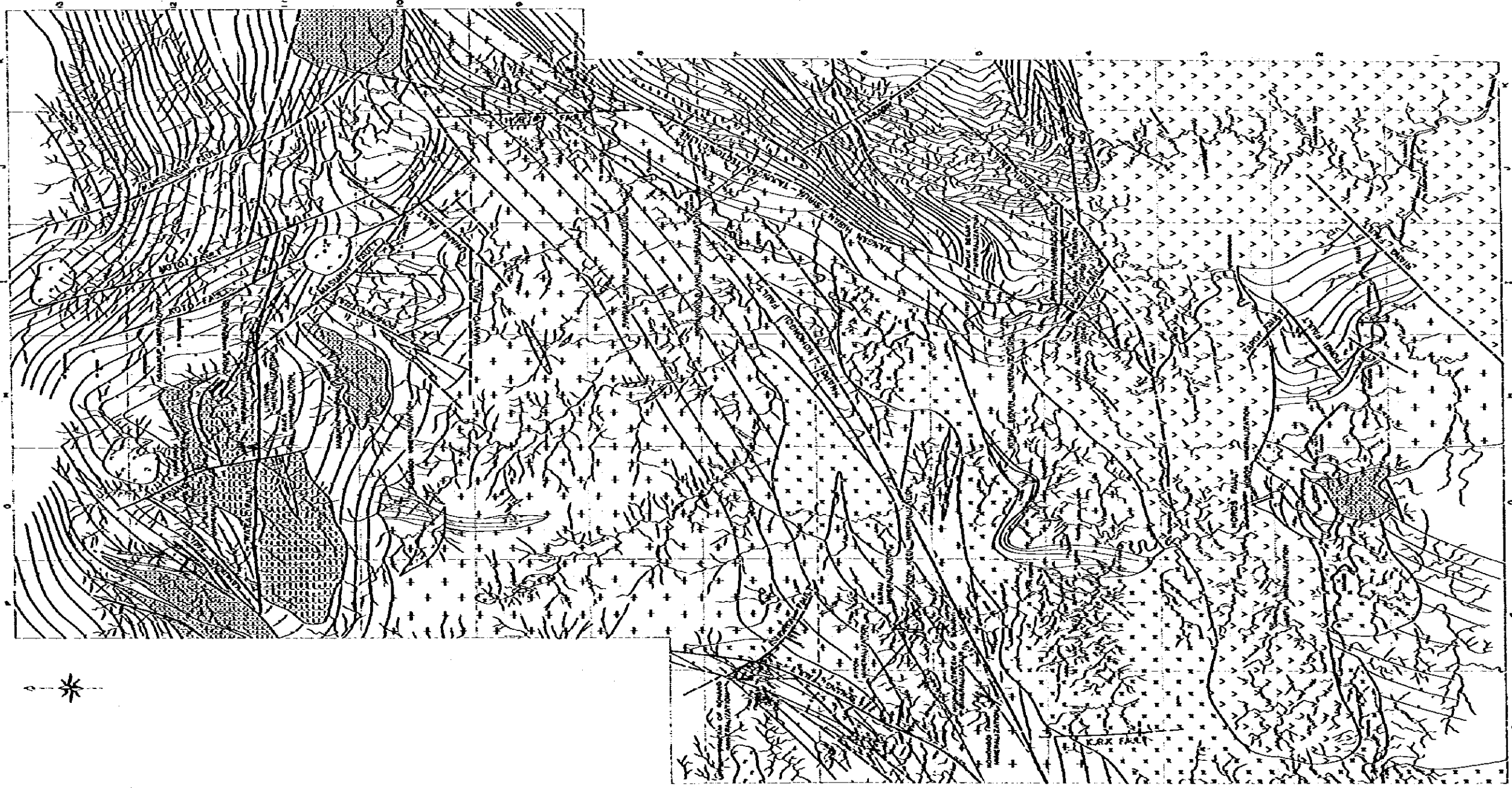
GEOLOGICAL SURVEY OF  
 CENTRAL KALIMANTAN INDONESIA

MAP OF RELATIONS BETWEEN GEOLOGICAL  
 STRUCTURE AND MINERALIZATION

Scale 1:100,000



February, 1979



LEGEND

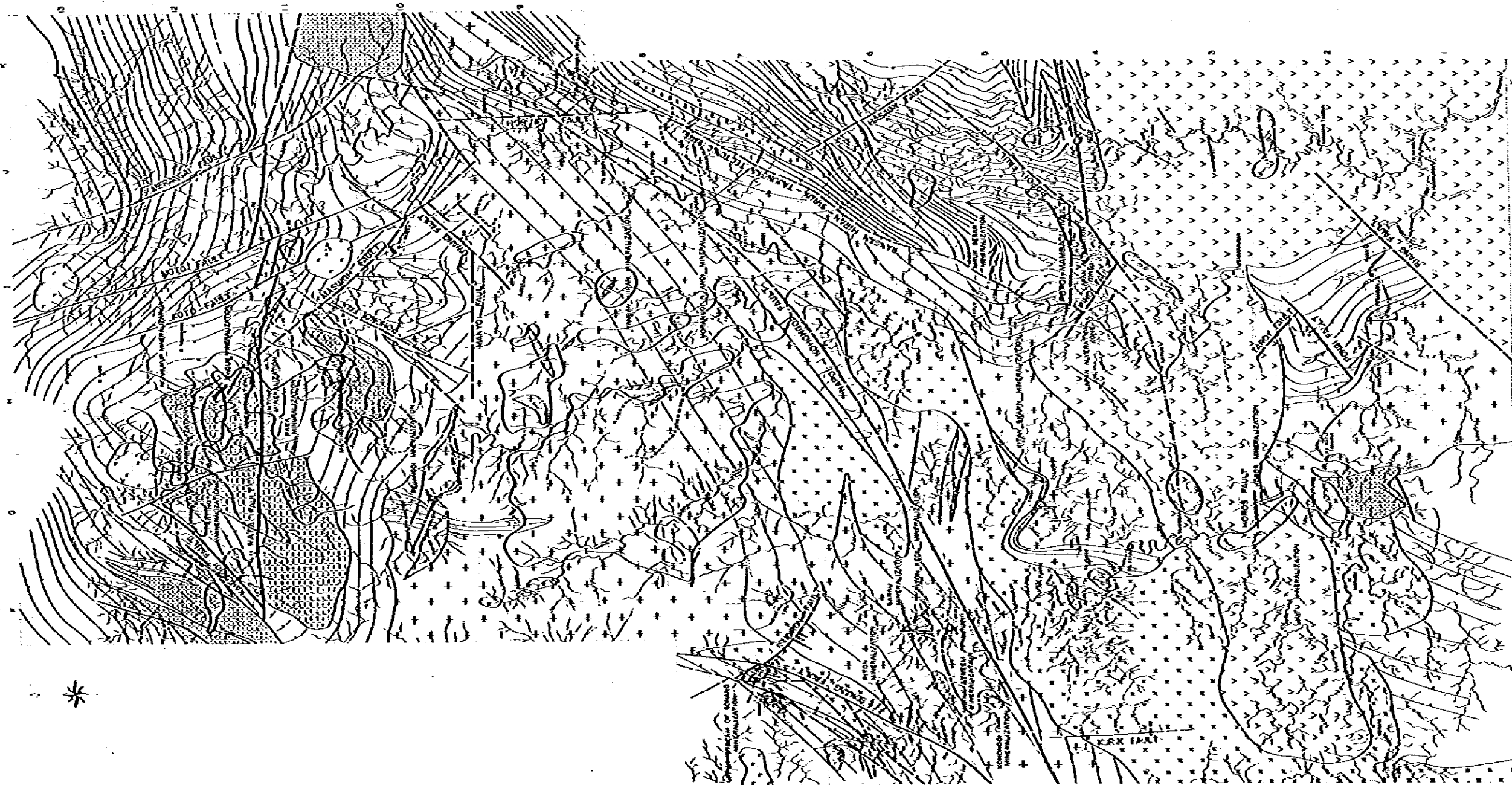
- Younger Intrusive Rocks      Tertiary Volcanic Member
- Diase (Pyroxen andesite, Rhyolite andite)           Sen Angetse Formation
  - Andesite-diorite, diorite + andite primary
  - Granodiorite-porphyrite
  - Quartzite, Quartz + porphyrite, Quartz diorite, Quartz porphyrite
- Tonalite - Granodiorite Complex
- Andesite-basaltic andite
  - Monzonite, granodiorite, Leucocratic diorite, granodiorite
  - Monzonite tonalite (massive), Monzonite tonalite (gneissoid), Tonalite gneiss
- Geological structure
- Strike line and dip of bedding in sedimentary rocks
  - Strike line and dip of pretertiary in gneissoid tonalites in metamorphic rocks
  - Strike line and dip of pretertiary and eotertiary in metamorphic rocks
  - Antiformal axis
  - Synclinal axis
  - Normal fault confirmed
  - Normal fault inferred
  - Reverse fault confirmed
  - Reverse fault inferred
  - Reverse fault inferred in basement rocks
- Mineralization
- Metalliferous vein, Ore bed, Quartz vein
  - Dissiminated zone of minerals

P.L. 8

METAL MINING AGENCY OF JAPAN  
 GEOLOGICAL SURVEY OF INDONESIA  
 DIRECTORATE GENERAL OF MINES  
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 GEOLOGICAL SURVEY OF  
 CENTRAL KALIMANTAN INDONESIA  
 MAP OF COMPOSITE GEOCHEMICAL ANOMALIES

February, 1979

Scale 1:100,000



### LEGEND

Younger Intrusive Rocks      Tertiary Volcanic Member  
 Dike (Rhyolite facies)      Sun Andeare Formation  
 Hornblende-epidote diorite - diorite porphyry  
 Granodiorite - porphyrite  
 Quartz - Quartz - porphyrite  
 Quartz diorite, Quartz diorite porphyrite

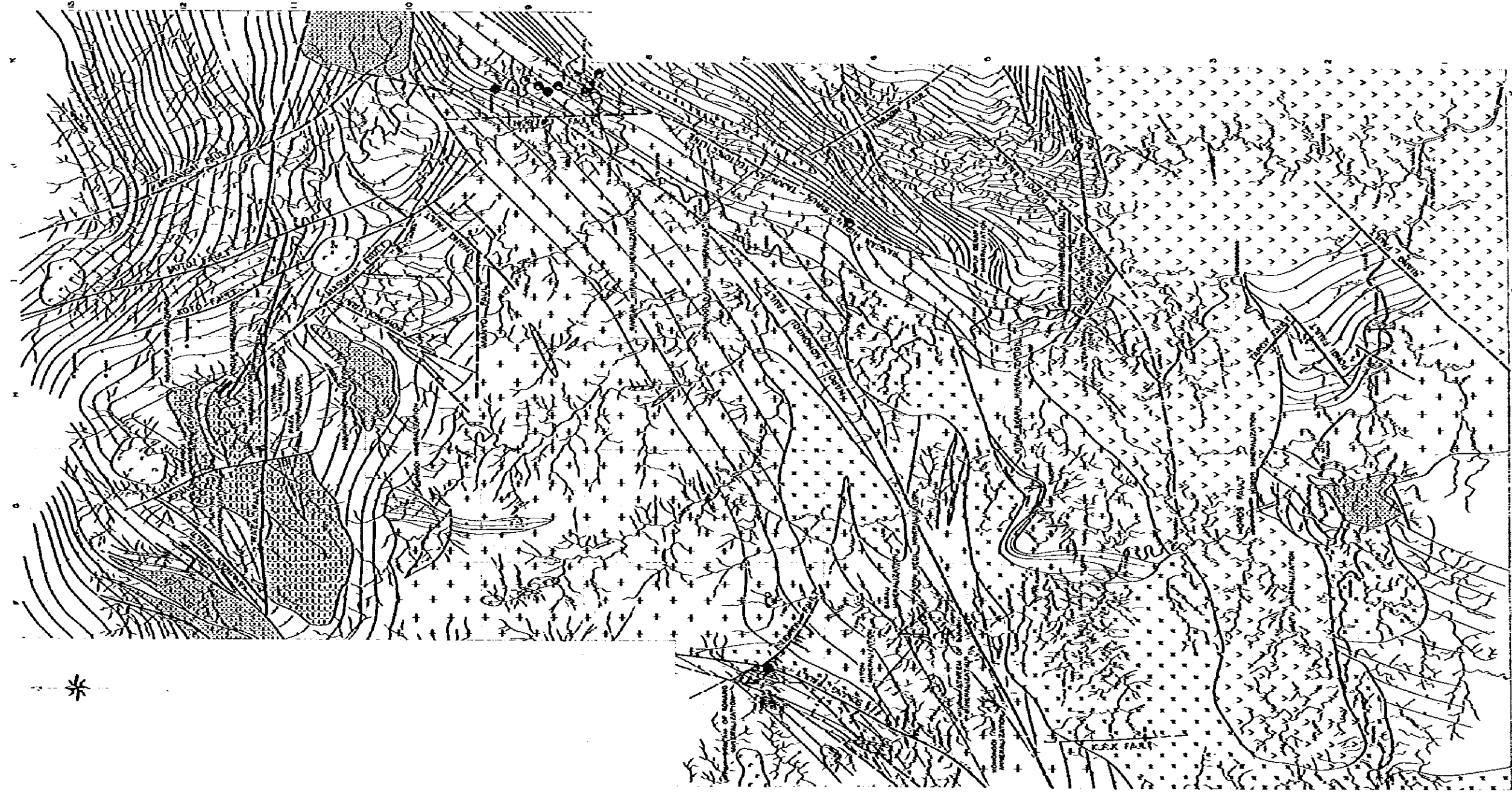
Tonalite - Granodiorite Complex  
 Hornblende-biotite diorite  
 Hornblende granodiorite  
 Leucocratic biotite granodiorite  
 Hornblende tonalite (massive)  
 Hornblende tonalite (granese)  
 Tonalite gneiss

**Geological structure**  
 Strike line and dip of bedding in sedimentary rocks  
 Strike line and dip of pressure in gneissous tonalites  
 Strike line and dip of pressure and schistosity in metamorphic rocks  
 Anticline axis  
 Synclinal axis  
 Normal fault confirmed  
 Normal fault inferred  
 Reverse fault confirmed  
 Reverse fault inferred  
 Reverse fault inferred in basement rocks

**Mineralization**  
 Metalliferous vein, Ore bed, Quartz vein  
 Disseminated zone of minerals

**LEGEND**

First class Anomalies	Second class Anomalies
Cu	Zn
Pb	Mo



P.L. 9

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 GEOLOGICAL SURVEY OF INDONESIA  
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GEOLOGICAL SURVEY OF  
 CENTRAL KALIMANTAN INDONESIA

### MAP OF RADIOMETRIC ANOMALIES

Scale 1:100,000

February, 1979

### LEGEND

**Younger Intrusive Rocks Ternary Volcanic Member**

- Diase (Pyroxene felsite)
- Pyroxene-quartz diorite + quartz porphyry
- Granodiorite - diorite
- Quartz, Quartz-porphyrite, Quartz diorite, Quartz diorite diorite

**Tonalite Granodiorite Complex**

- Monzonite-quartz diorite
- Monzonite granodiorite
- Monzonite tonalite (mosaic)
- Monzonite tonalite (gneissose)
- Tonalite gneiss

**Geological structure**

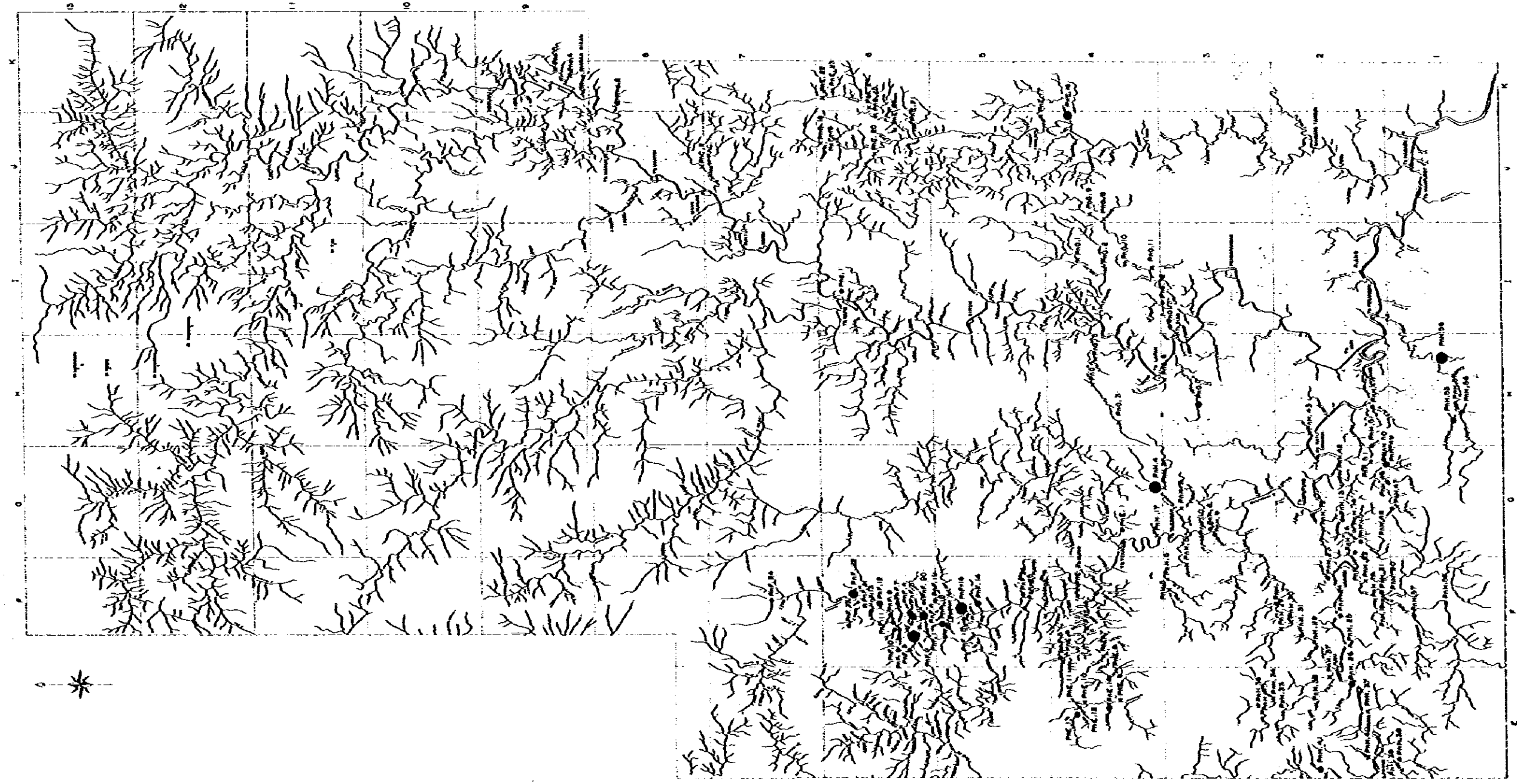
- Strike line and dip of bedding in sedimentary rocks
- Strike line and dip of gneissosity in gneissose tonalites
- Strike line and dip of gneissosity and schistosity in metamorphic rocks
- Anticlinal axis
- Synclinal axis
- Normal fault confirmed
- Normal fault inferred
- Reverse fault confirmed
- Reverse fault inferred
- Reverse fault inferred in basement rocks

**Mineralization**

- Metalliferous vein, Ore bed, Quartz vein
- Disseminated zone of minerals

LEGEND

$10^{-7} \text{h} \leq \text{O} < 20^{-7} \text{h}$
$20^{-7} \text{h} \leq \text{O} < 50^{-7} \text{h}$
$50^{-7} \text{h} \leq \text{O}$



PL.10

METAL MINING AGENCY OF JAPAN  
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 COOPERATION AGENCY

GEOLOGICAL SURVEY  
 OF  
 CENTRAL KALIMANTAN INDONESIA

MAP OF  
 PLACER GOLD PROSPECTING

Scale 1:100,000

February, 1979

LEGEND

GOLD CONTENT IN TOTAL COLORS IN  
 ALLUVIAL "MEGASCOPIC DETERMINATION"

- 0
- 1 ~ 20
- 21 ~ 40
- 41 ~ 60
- > 60

