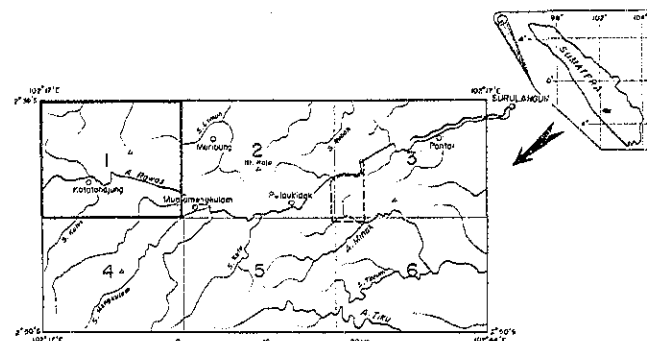


REPORT ON THE MINERAL EXPLORATION OF  
SOUTHERN SUMATERA AREA, THE REPUBLIC OF INDONESIA  
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GEOCHEMICAL ANALYSIS MAP OF THE  
RECONNAISSANCE SURVEY AREA



Reconnaissance Survey Area Detailed Survey Area

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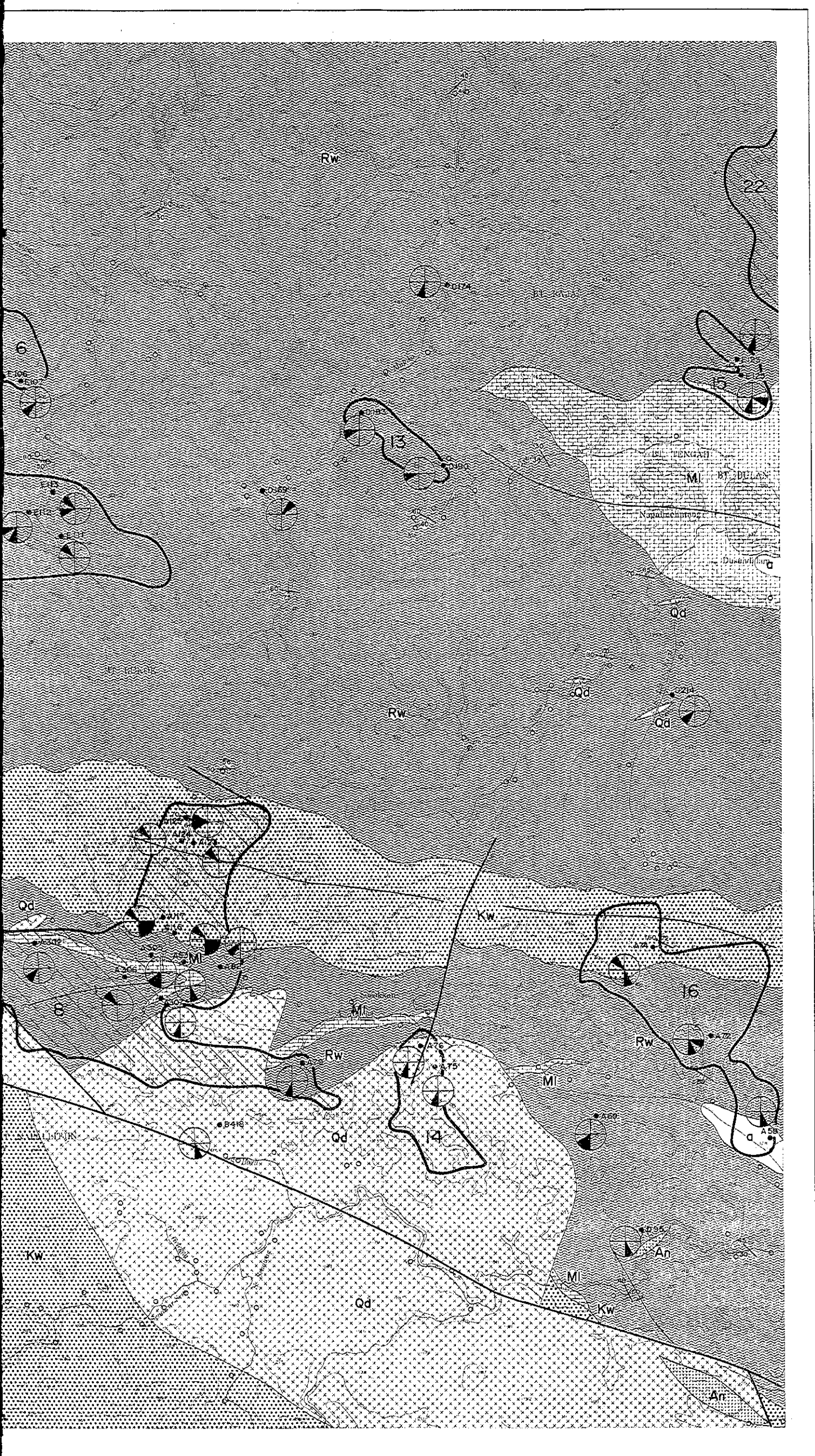
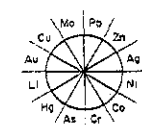
JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN

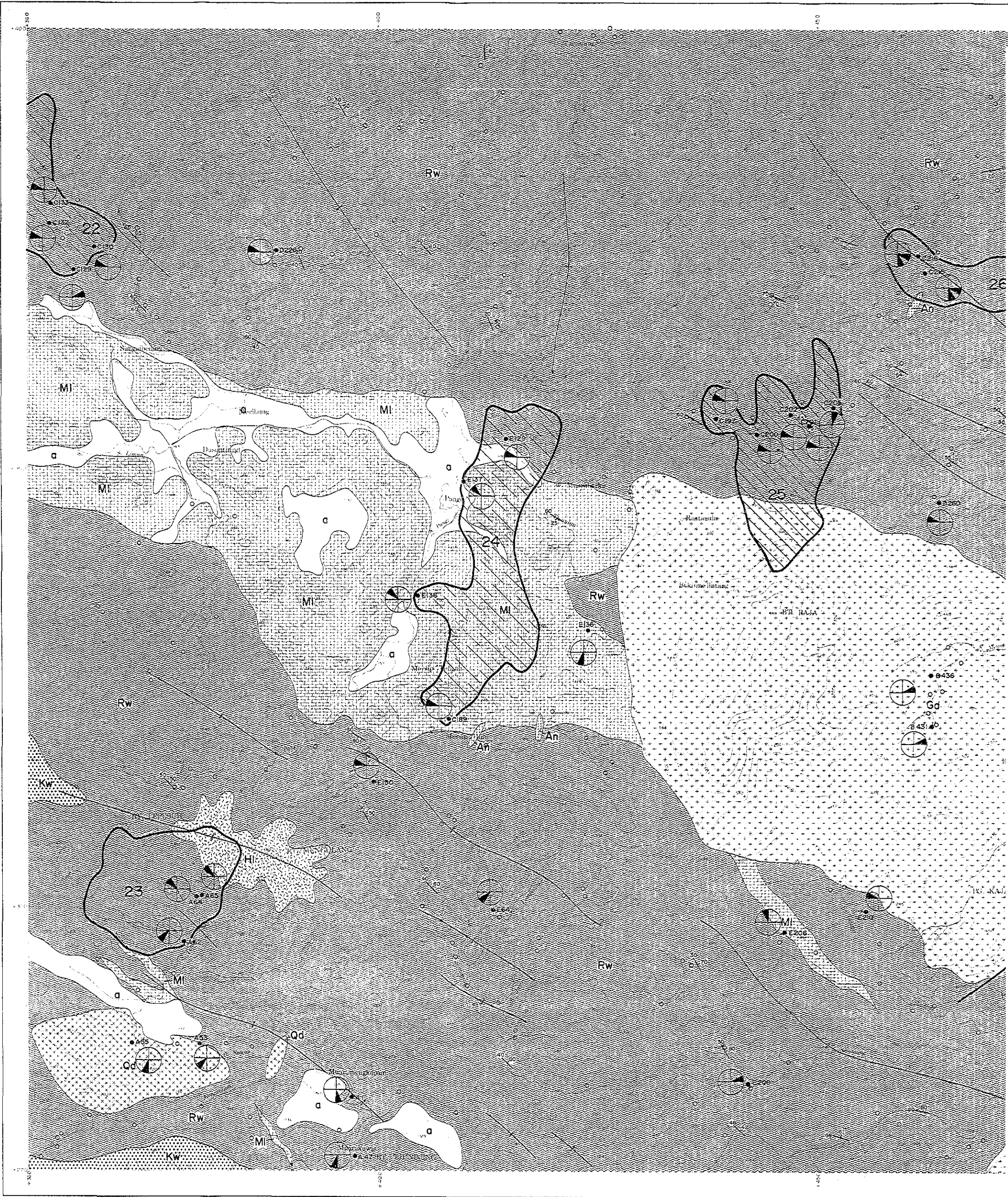
Scale 1 : 20,000



LEGEND

- |                       |                |    |                                    |   |
|-----------------------|----------------|----|------------------------------------|---|
| Quaternary            | Alluvium       | a  | a                                  | Gravel, Sand, silt  |
|                       | Surulungur F.  | Sr | Sr                                 | Pumice tuff   |
| Tertiary              | S. Minak F.    | Mk | Mk                                 | Sandstone-siltstone, mudstone, conglomerate, coarse tuff, limestone   |
|                       | Hulotimpang F. | Hl | Hl                                 | Dacite lava, andesite lava, pyroclastics                              |
|                       | Nepalicin F.   | Np | Np                                 | Sandstone, mudstone, pyroclastics, lignite                            |
| Cretaceous            | S. Kuwis F.    | Kw | Kw                                 | Sandstone, shale, slate, pyroclastics                                 |
|                       | S. Rawas F.    | Ml | Ml                                 | Basalt lava, andesite lava, limestone                                 |
| Cretaceous - Jurassic |                | Ml | Ml                                 | Limestone   |
|                       |                | Rw | Rw                                 | Slate-phyllite, sandstone, acidic tuff, andesite lava, andesitic tuff |
| Intrusive rocks       |                | Da | Da                                 | Dacite  |
|                       |                | An | An                                 | Andesite  |
|                       |                | Bs | Bs                                 | Basalt, dolerite  |
|                       |                | Dp | Dp                                 | Quartz diorite porphyry   |
|                       |                | Qm | Qm                                 | Quartz monzonite  |
|                       |                | Gc | Gc                                 | Granitic rock   |
|                       |                | Qd | Qd                                 | Quartz diorite  |
|                       |                |    |                                    | Strike and dip  |
|                       |                |    | Anticline: axis and synclinal axis |   |
|                       |                |    | Fault                              |   |
|                       |                |    | Detailed survey area               |   |
|                       |                |    | Ore mineral indication             |   |
|                       |                |    | Sample without anomalous values    |   |
|                       |                |    | Sample with anomalous values       |   |
|                       |                |    | means anomaly of Au and Ag         |   |
|                       |                |    | A Rank                             |   |
|                       |                |    | B Rank                             |   |
|                       |                |    | C Rank                             |   |

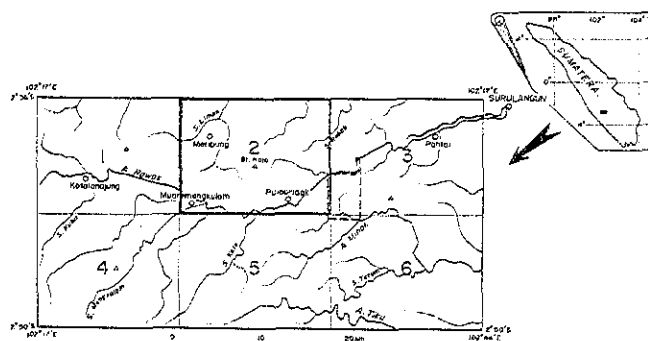




REPORT ON THE MINERAL EXPLORATION OF  
SOUTHERN SUMATERA AREA, THE REPUBLIC OF INDONESIA  
PHASE I

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GEOCHEMICAL ANALYSIS MAP OF THE  
RECONNAISSANCE SURVEY AREA



Reconnaissance Survey Area Detailed Survey Area

FEBRUARY - 1986

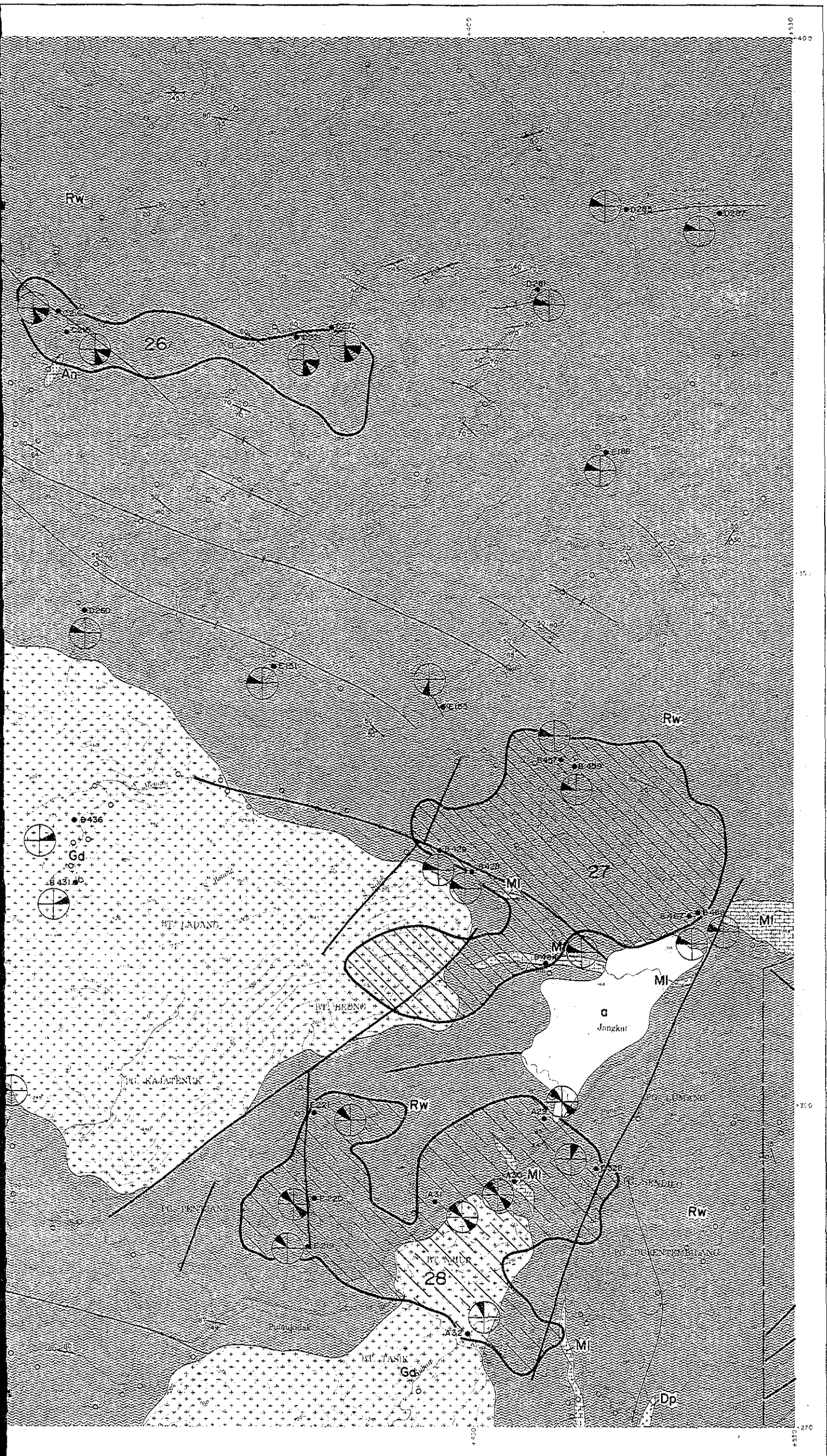
JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN

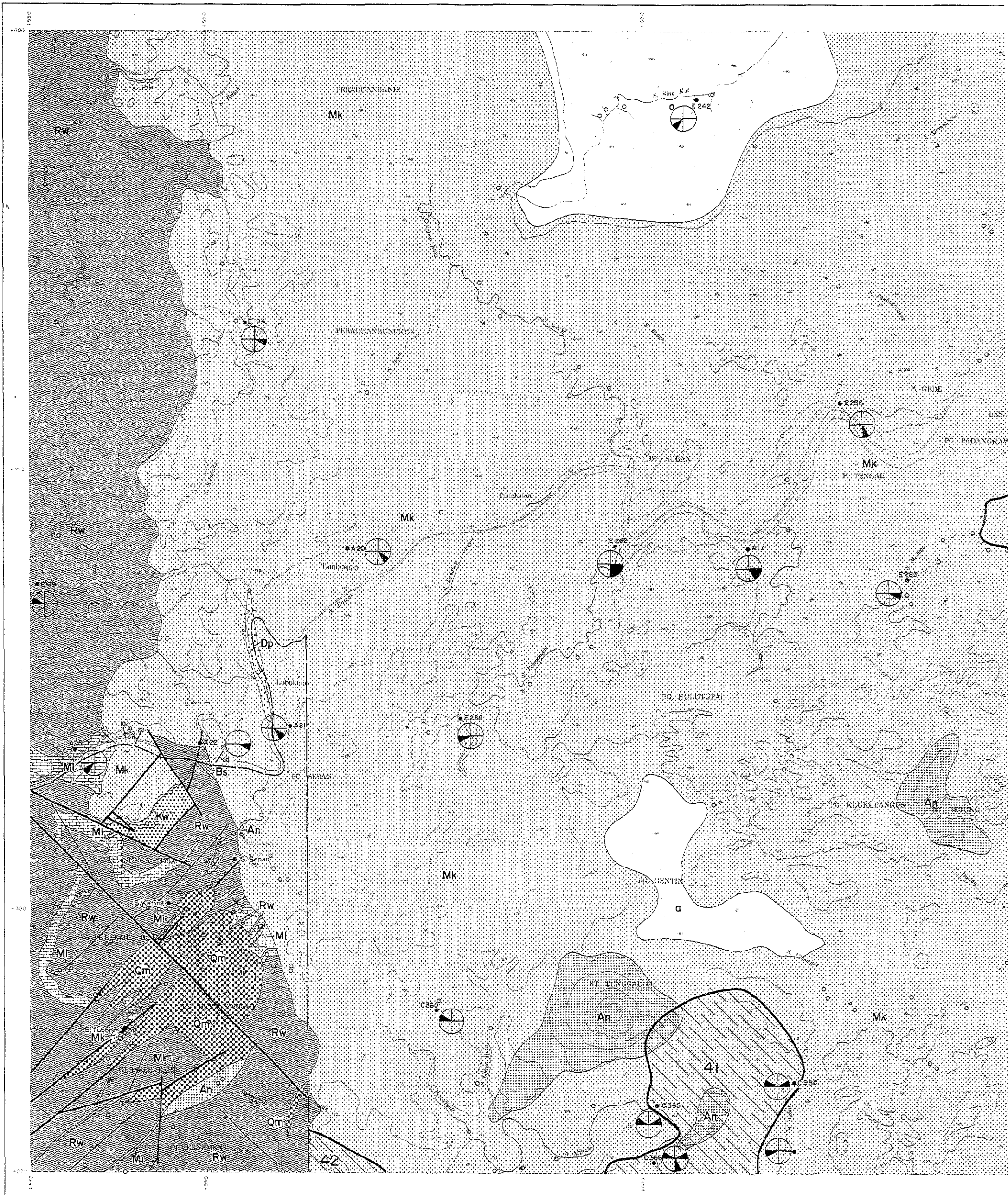
Scale 1 : 20,000



LEGEND

Quaternary	Alluvium	a	a	Gravel, Sand, silt
	Surulangun F.	Sr	Sr	Pumice tuff
Tertiary	S. Minak F.	Mk	Mk	Sandstone-siltstone, mudstone, conglomerate, coarse tuff, limestone
	Hulusimpang F.	Hl	Hl	Dacite lava, andesite lava, pyroclastics
	Napolicin F.	Nd	Nb	Sandstone, mudstone, pyroclastics, lignite Basalt lava, hyaloclastite
Cretaceous	S. Kuwis F.	Kw	Kw	Sandstone, shale, slate, pyroclastics Basalt lava, andesite lava, limestone
	S. Rawas F.	MI	MI	Limestone
Cretaceous - Jurassic		Rw	Rw	Slate-phyllite, sandstone, acidic tuff, andesite lava, andesitic tuff
		Da	Da	Dacite
Intrusive rocks		An	An	Andesite
		Bs	Bs	Basalt, dolerite
		Dp	Dp	Quartz diorite porphyry
		Qm	Qm	Quartz monzonite
	Gd	Gd	Granitic rock	
	Qd	Qd	Quartz diorite	
	SD	SD	Strike and dip	
	AA	AA	Anticlinal axis and syndinal axis	
	F	F	Fault	
	DS	DS	Detailed survey area	
	•	•	Ore mineral indication	
	○	○	Sample without anomalous value	
	A-280	A-280	Sample with anomalous value	
	◐	◐	means anomaly of Au and Ag	
	◑	◑	A Rank	
	◒	◒	B Rank	
	◓	◓	C Rank	

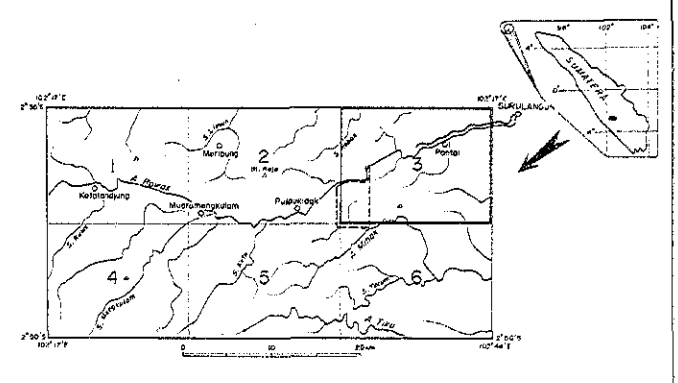




REPORT ON THE MINERAL EXPLORATION OF  
SOUTHERN SUMATERA AREA, THE REPUBLIC OF INDONESIA  
PHASE I

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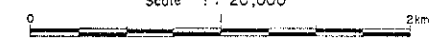
GEOCHEMICAL ANALYSIS MAP OF THE  
RECONNAISSANCE SURVEY AREA



FEBRUARY 1986

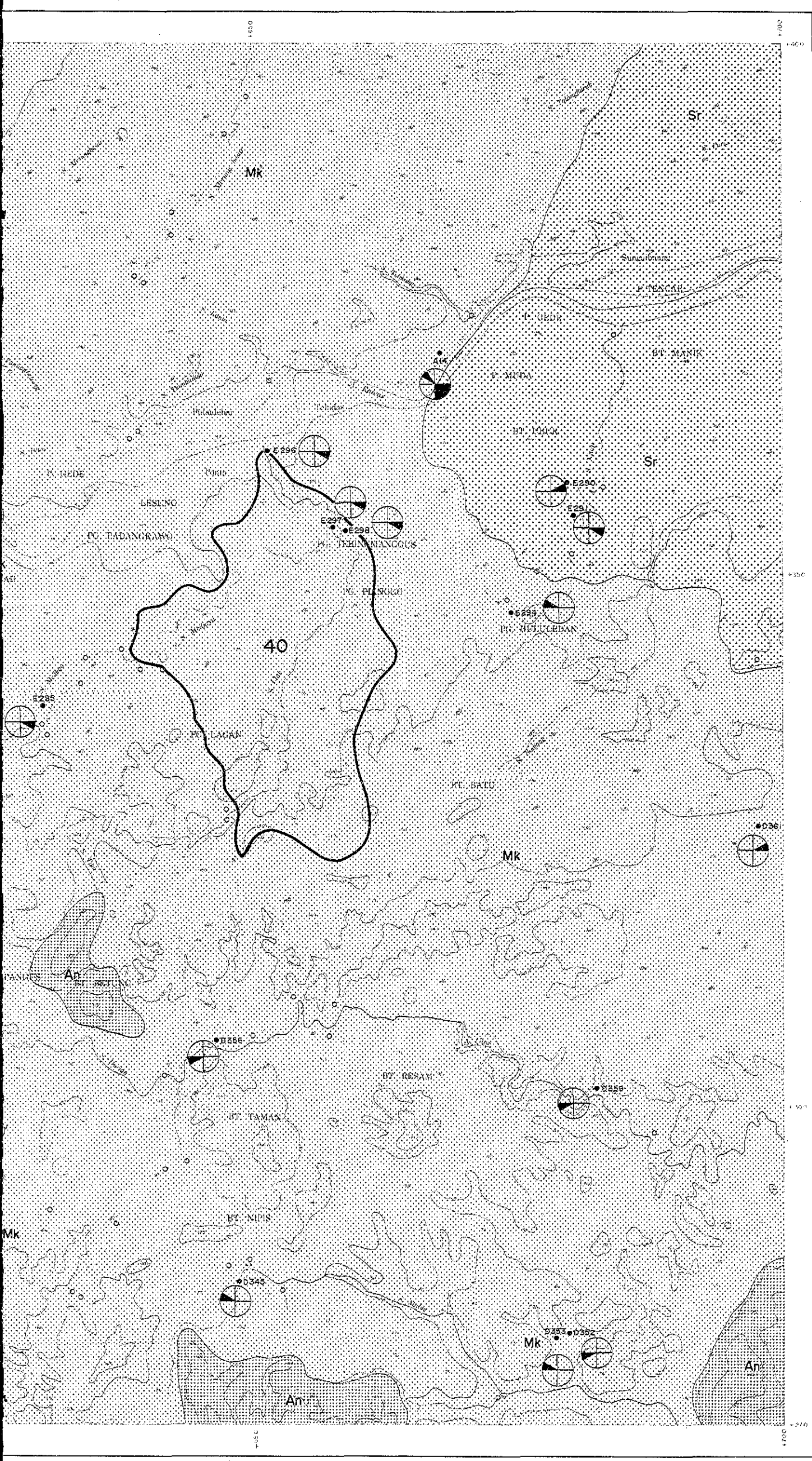
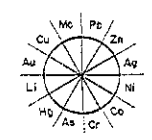
JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN

Scale 1:20,000



LEGEND

Quaternary	Alluvium	a	a	Gravel, Sand, silt
	Surulungun F.	Sr	Sr	Pumice tuff
Tertiary	S. Minak F.	Mk	Mk	Sandstone-siltstone, mudstone, conglomerate, coarse tuff, limestone
	Hulusimpang F.	Hi	Hi	Dacite lava, andesite lava, pyroclastics
	Napallic F.	Np	Np	Sandstone, mudstone, pyroclastics
Cretaceous	S. Kuwis F.	Kw	Kw	Sandstone, shale, slate, pyroclastics
	S. Rawas F.	Rw	Rw	Basalt lava, andesite lava, limestone
Cretaceous - Jurassic		Ml	Ml	Limestone
		Rw	Rw	Slate-phyllite, sandstone, acidic tuff, andesite lava, andesitic tuff
Intrusive rocks		Da	Da	Dacite
		An	An	Andesite
		Bs	Bs	Basalt, dolerite
		Dp	Dp	Quartz diorite porphyry
		Qm	Qm	Quartz monzonite
		Gd	Gd	Granitic rock
		Qd	Qd	Quartz diorite
				Strike and dip
				Anticlinal axis and synclinal axis
				Fault
				Detailed survey area
				Ore mineral indication
				Sample without anomalous value
				Sample with anomalous value
				means anomaly of Au and Ag
				A Rank
				B Rank
				C Rank

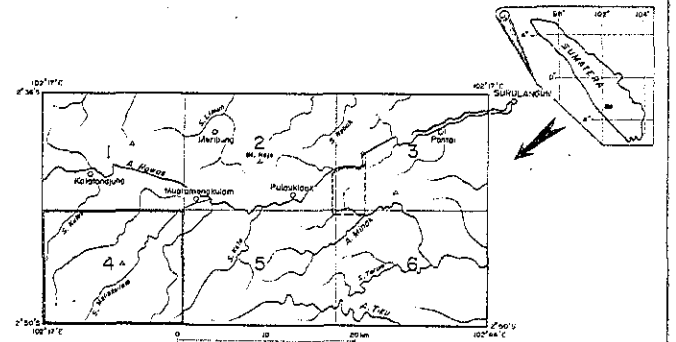




REPORT ON THE MINERAL EXPLORATION OF  
SOUTHERN SUMATERA AREA, THE REPUBLIC OF INDONESIA  
PHASE I

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GEOCHEMICAL ANALYSIS MAP OF THE  
RECONNAISSANCE SURVEY AREA



Reconnaissance Survey Area Detailed Survey Area

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JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN

Scale 1 : 20,000



LEGEND

- |                       |                |    |                                      |  |
|-----------------------|----------------|----|--------------------------------------|--|
| Quaternary            | Alluvium       | a  | a                                    | Gravel, Sand, silt   |
|                       | Surulangun F.  | Sr | Sr                                   | Pumice tuff  |
| Tertiary              | S. Minak F.    | Mk | Mk                                   | Sandstone - siltstone, mudstone, conglomerate, coarse tuff, limestone        |
|                       | Hulusimpang F. | Hl | Hl                                   | Dacite lava, andesite lava, pyroclastics                                     |
|                       | Napallicin F.  | Np | Np                                   | Sandstone, mudstone, pyroclastics, lignite                                   |
| Cretaceous            | S. Kuwis F.    | Kw | Kw                                   | Sandstone, shale, slate, pyroclastics, Basalt lava, andesite lava, limestone |
|                       | S. Rawas F.    | Rw | Rw                                   | Slate - phyllite, sandstone, acidic tuff, andesite lava, andesitic tuff      |
| Cretaceous - Jurassic |                | Da | Da                                   | Dacite   |
|                       |                | An | An                                   | Andesite   |
| Intrusive rocks       |                | Bs | Bs                                   | Basalt, dolerite   |
|                       |                | Dp | Dp                                   | Quartz diorite porphyry  |
|                       |                | Qm | Qm                                   | Quartz monzonite   |
|                       |                | Gd | Gd                                   | Granitic rock  |
|                       | Qd             | Qd | Quartz diorite                       |  |
|                       |                |    | Strike and dip                       |  |
|                       |                |    | Anticlinal axis and synclinal axis   |  |
|                       |                |    | Fault                                |  |
|                       |                |    | Detailed survey area                 |  |
|                       |                |    | Ore mineral indication               |  |
|                       |                |    | ○ Sample without anomalous values    |  |
|                       |                |    | ● A-280 Sample with anomalous values |  |
|                       |                |    | ○ means anomaly of Au and Ag         |  |
|                       |                |    | A Rank                               |  |
|                       |                |    | B Rank                               |  |
|                       |                |    | C Rank                               |  |

