

REPORT ON THE COLLABORATIVE  
MINERAL EXPLORATION OF THE  
BAU AREA, WEST SARAWAK, MALAYSIA

PHASE I  
MAY, 1983

JAPAN INTERNATIONAL COOPERATION  
METAL MINING AGENCY OF JAPAN

JICA	
113	
66.1	
MPN	

国際協力事業団	
受入	113
月日: '84. 9. 25	66.1
登録No. 9050	MPN


No. 13941

113

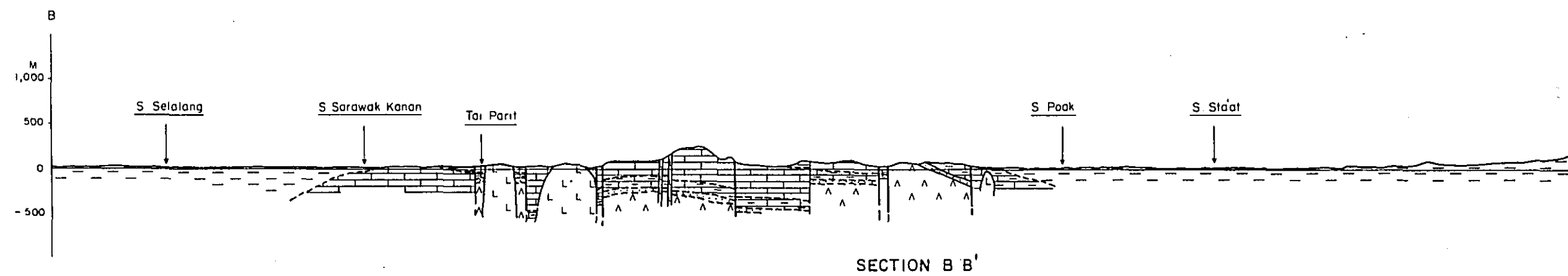
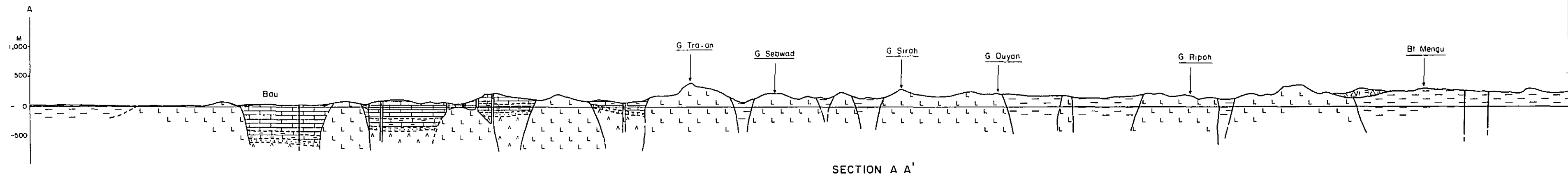
66.1

MPN

JICA LIBRARY

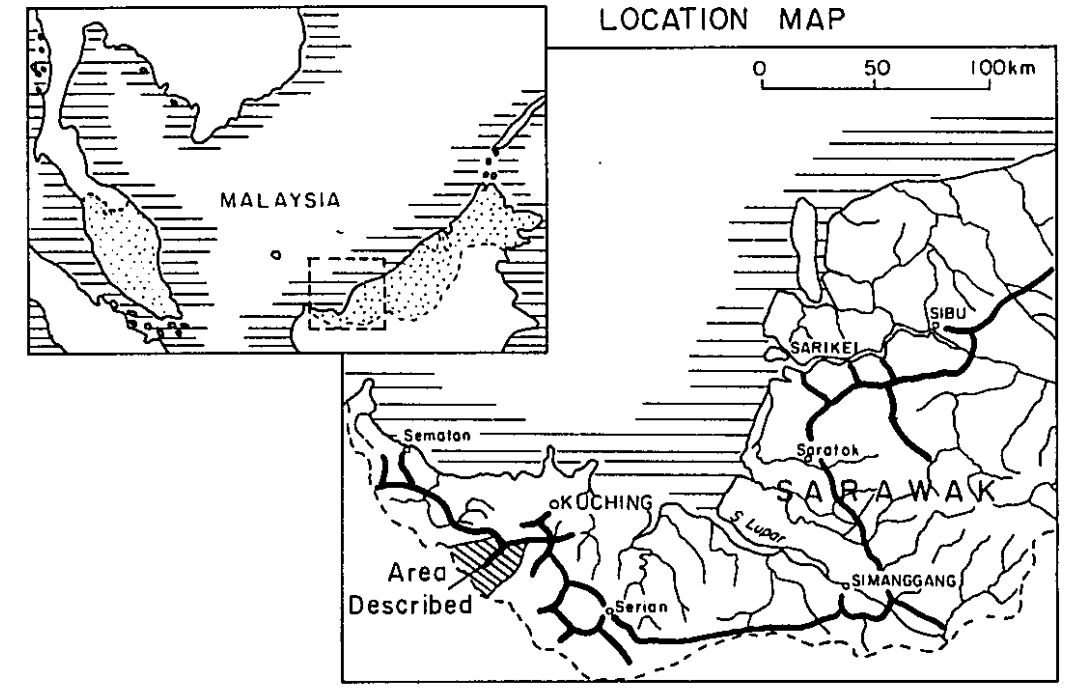


1059647[6]

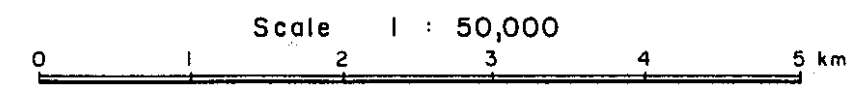


MINERAL EXPLORATION  
BAU AREA  
WEST SARAWAK, MALAYSIA

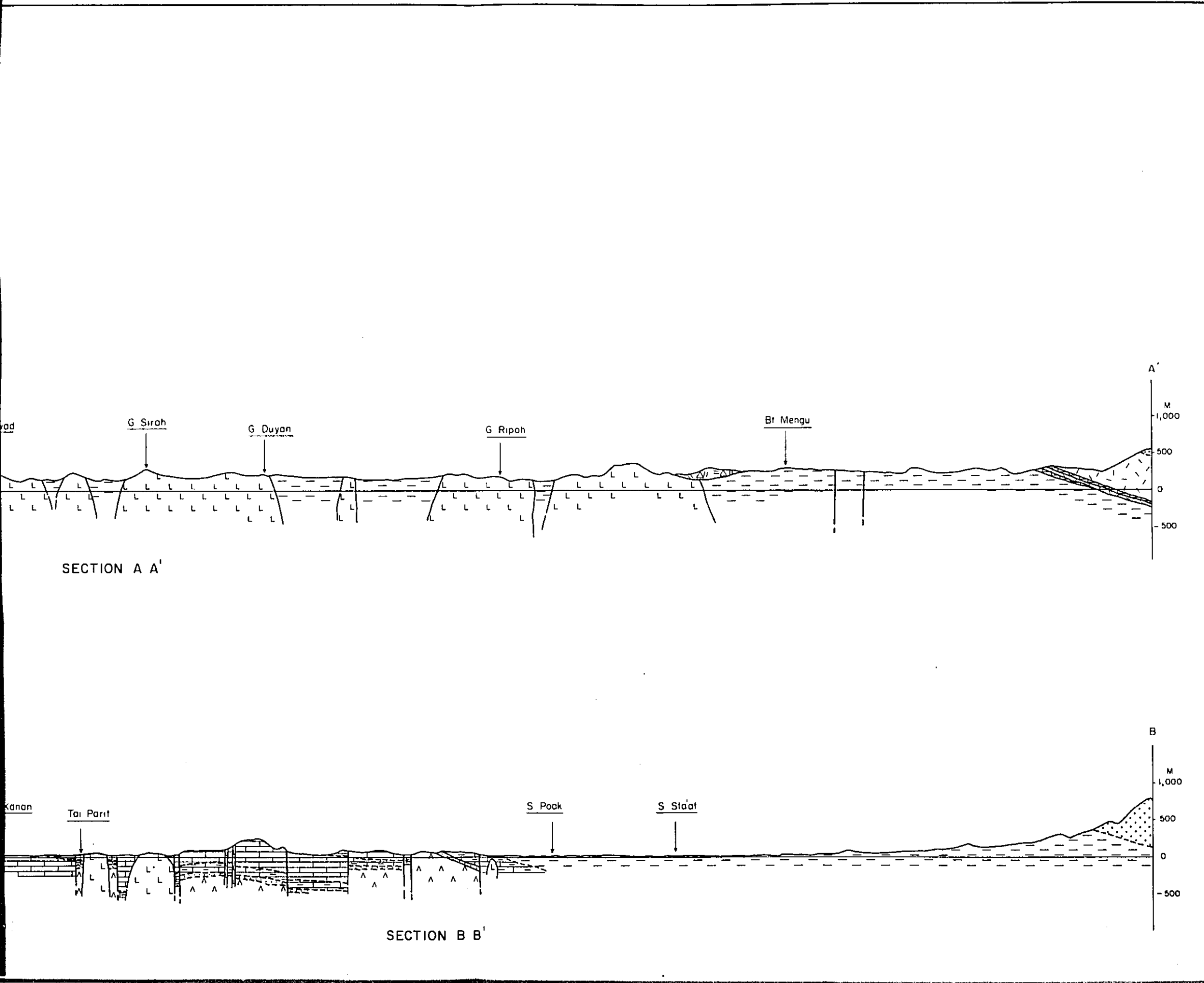
GEOLOGICAL SECTIONS  
BAU AREA



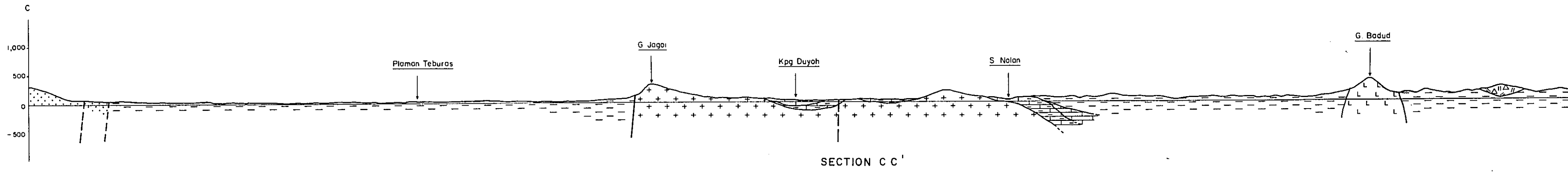
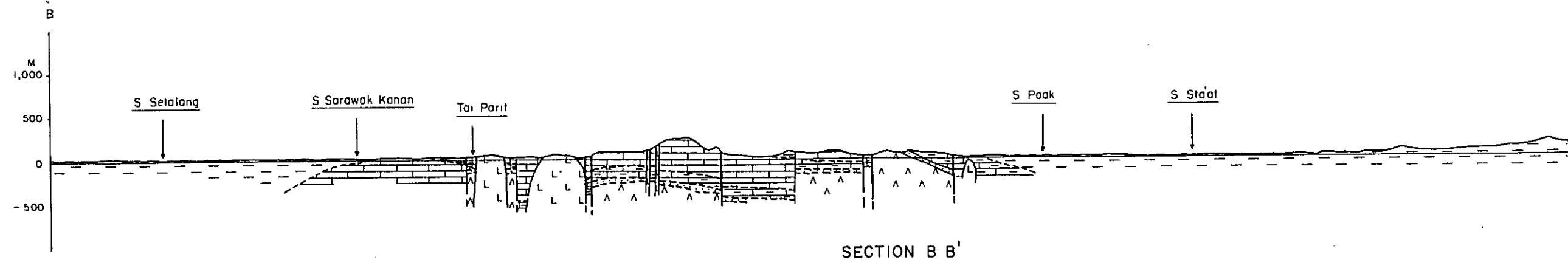
JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
GEOLOGICAL SURVEY OF MALAYSIA



LEGEND

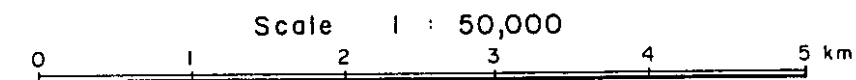






SD 2573/2/83

JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 GEOLOGICAL SURVEY OF MALAYSIA



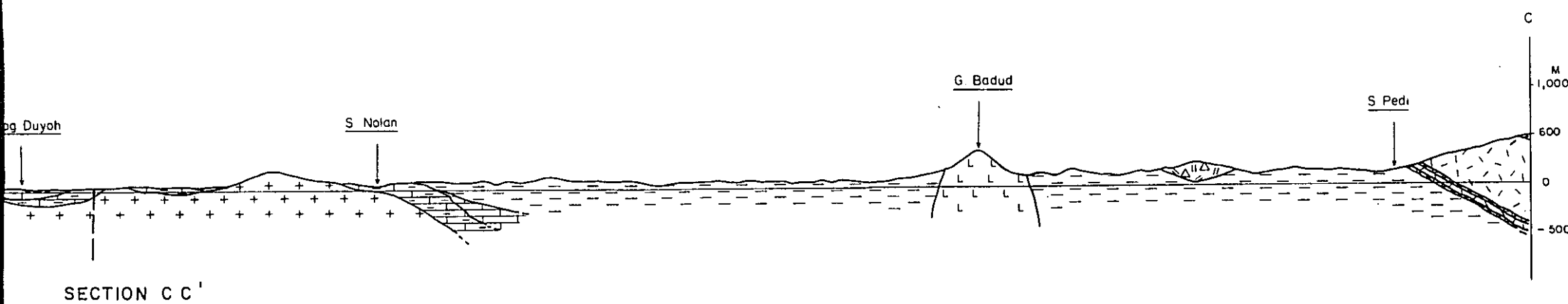
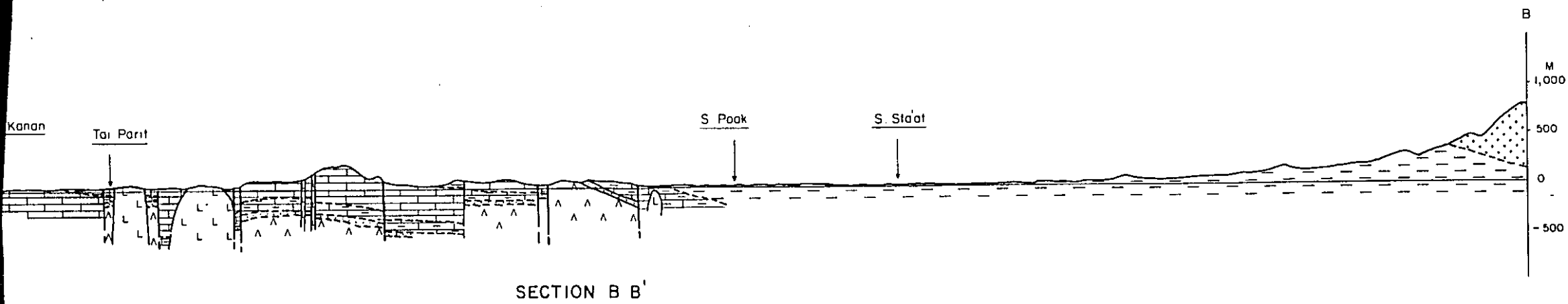
LEGEND

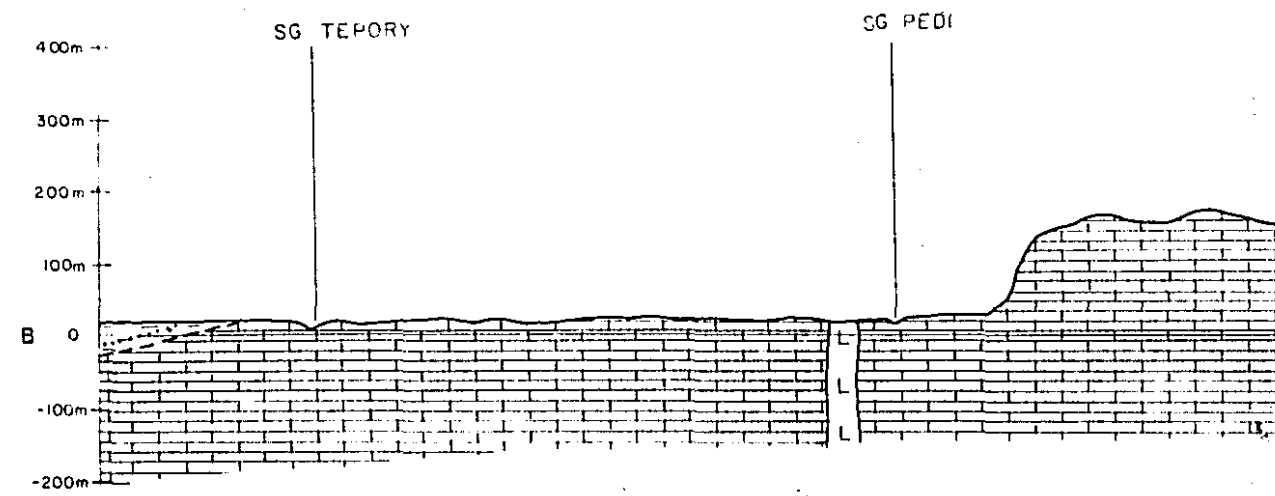
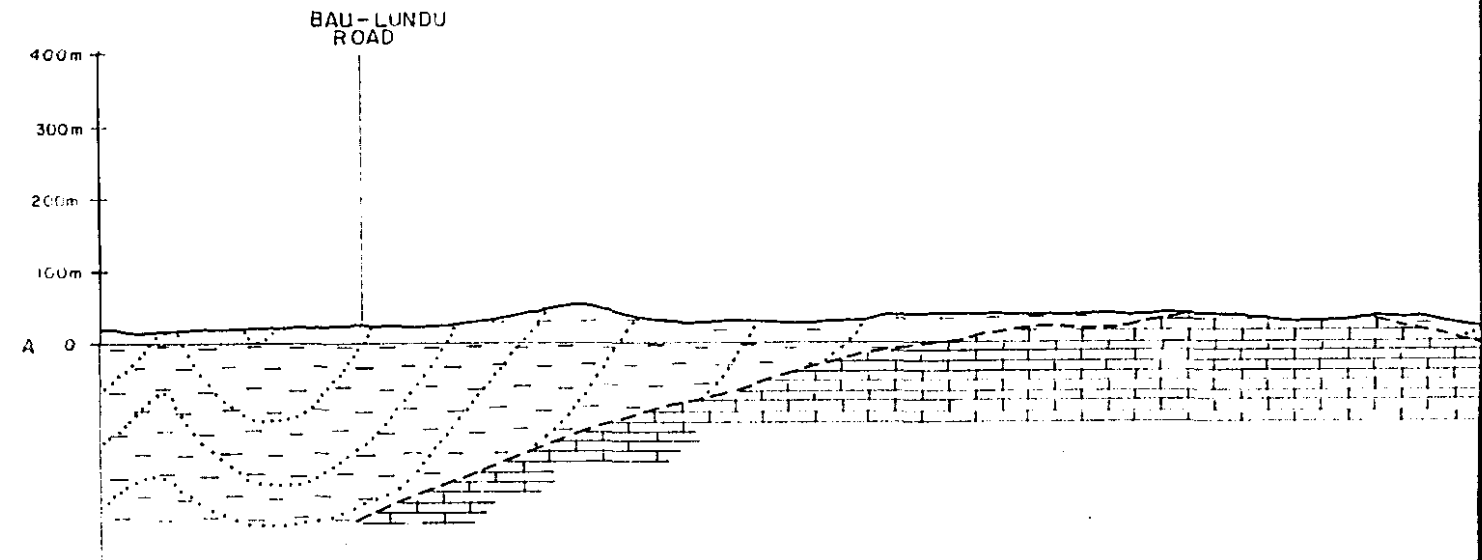
(Stratigraphy)

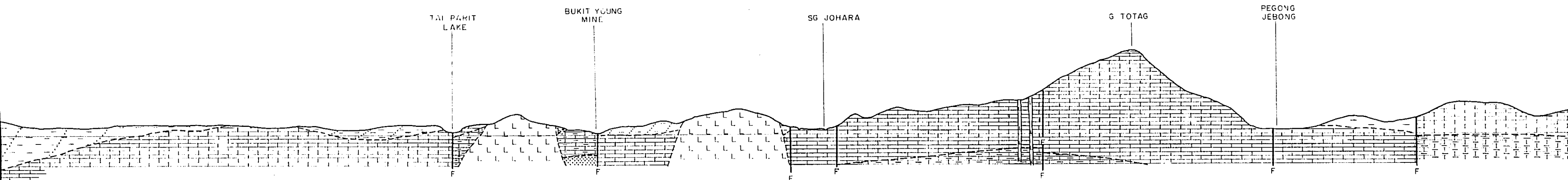
Tertiary	Younger Volcanics		Dacitic volcanic breccia including volcanic mudflow deposit
	Kayan Sandstone		Quartzose sandstone with conglomerate
Upper Jurassic - Cretaceous	Pedawan Formation		Light greenish grey / Tuffaceous sandstone dacitic sandy tuff / and tuffaceous mudstone
			Thin bedded limestone or calcareous shale
	Bau Limestone		Alternation of shale or mudstone and siltstone or sandstone
			Grey, pure limestone
Serian Volcanics		Dark brownish grey, argillaceous limestone	
		Ill-sorted sandstone	
			Basic andesite and gabbro

(Intrusives)

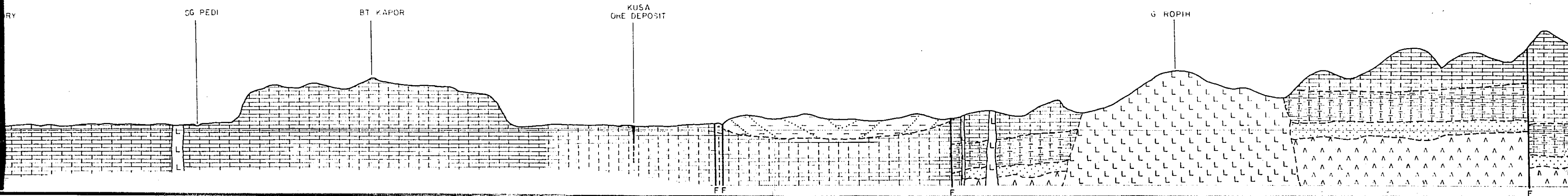
Miocene		Acidic stock and dyke mainly dacite, quartz porphyry
Pre-Late Jurassic		Granodiorite





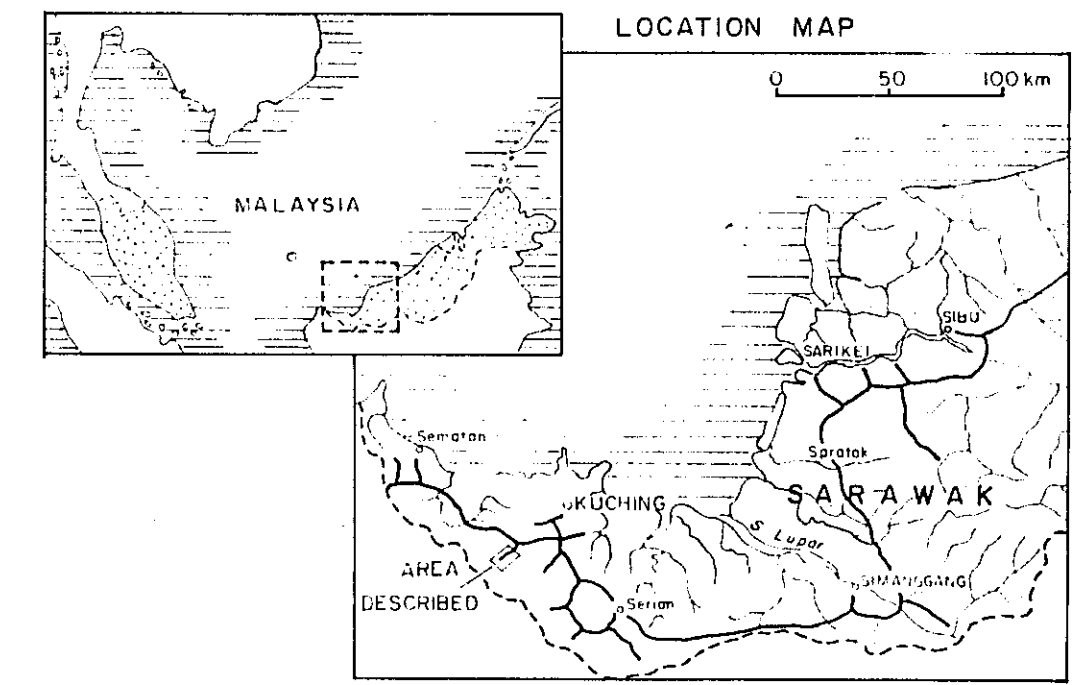


SECTION A - A'

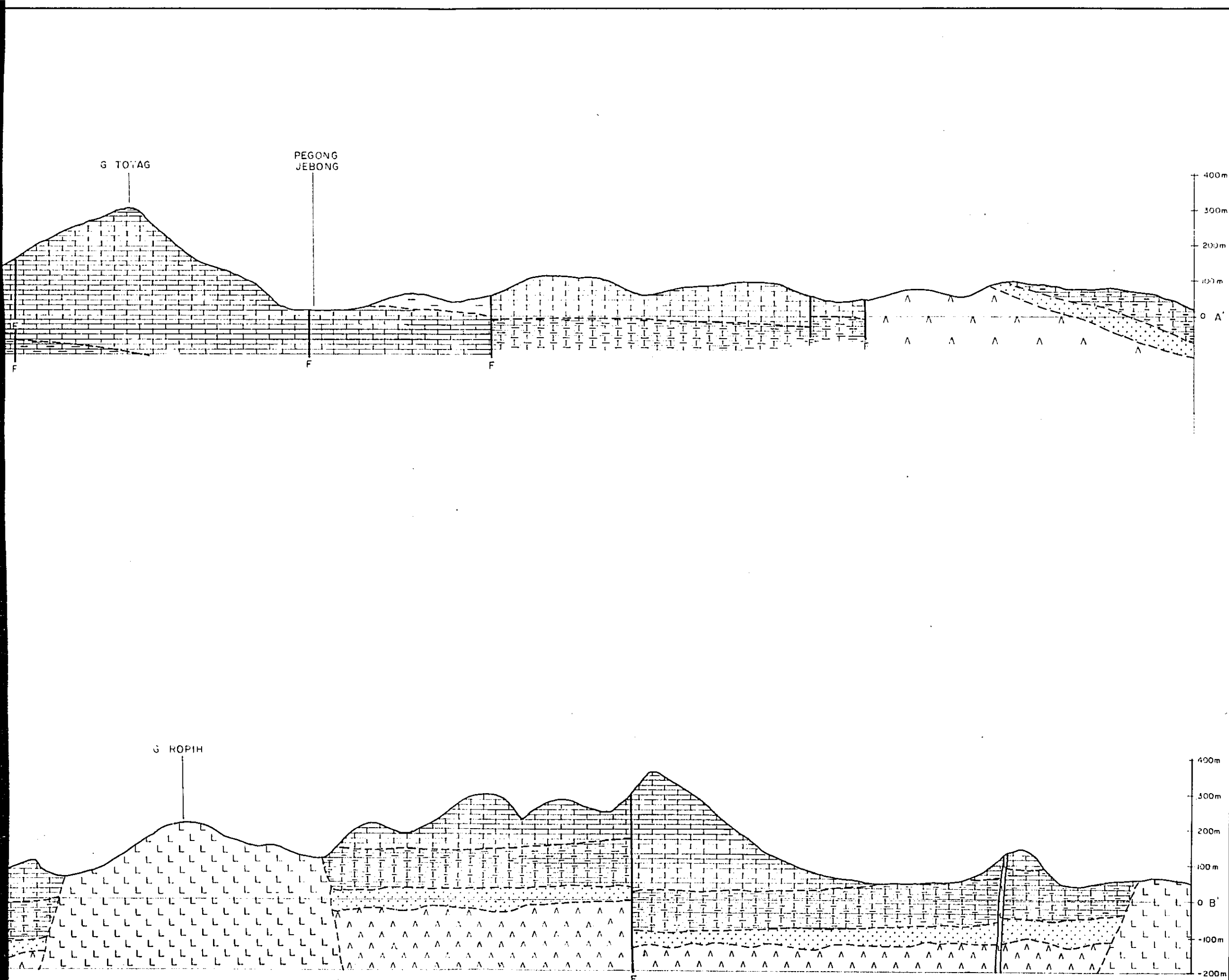
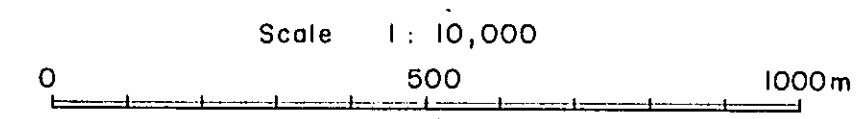


MINERAL EXPLORATION  
BAU AREA  
WEST SARAWAK, MALAYSIA

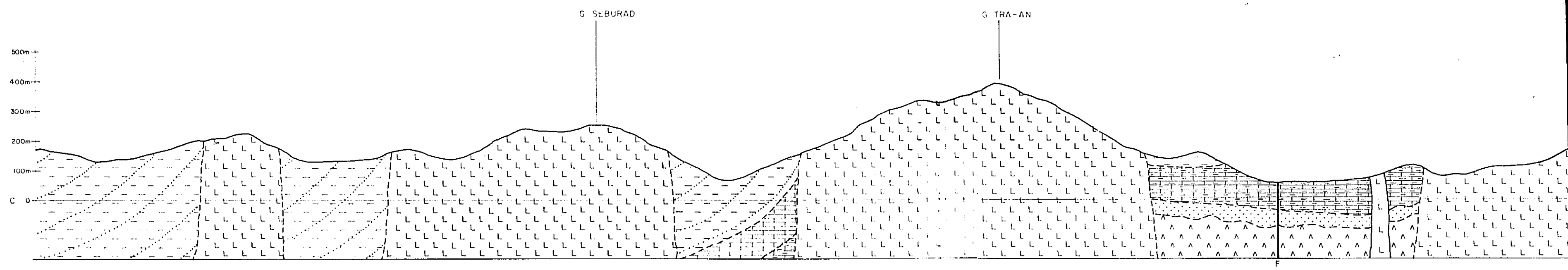
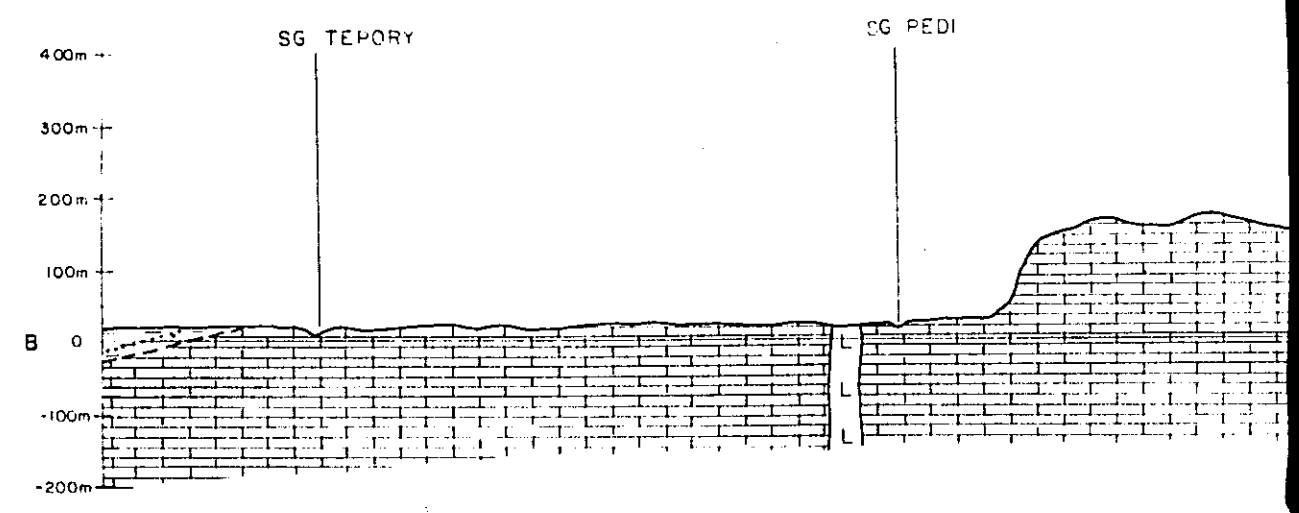
GEOLOGICAL SECTIONS  
OF  
SEMI-DETAILED SURVEY AREA



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
GEOLOGICAL SURVEY OF MALAYSIA



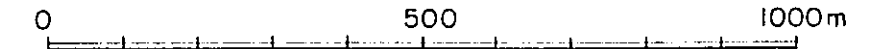
LEGEND





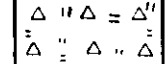
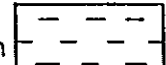
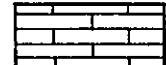
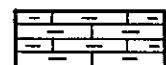
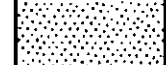
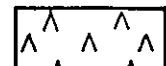
JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 GEOLOGICAL SURVEY OF MALAYSIA

Scale 1:10,000

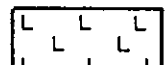


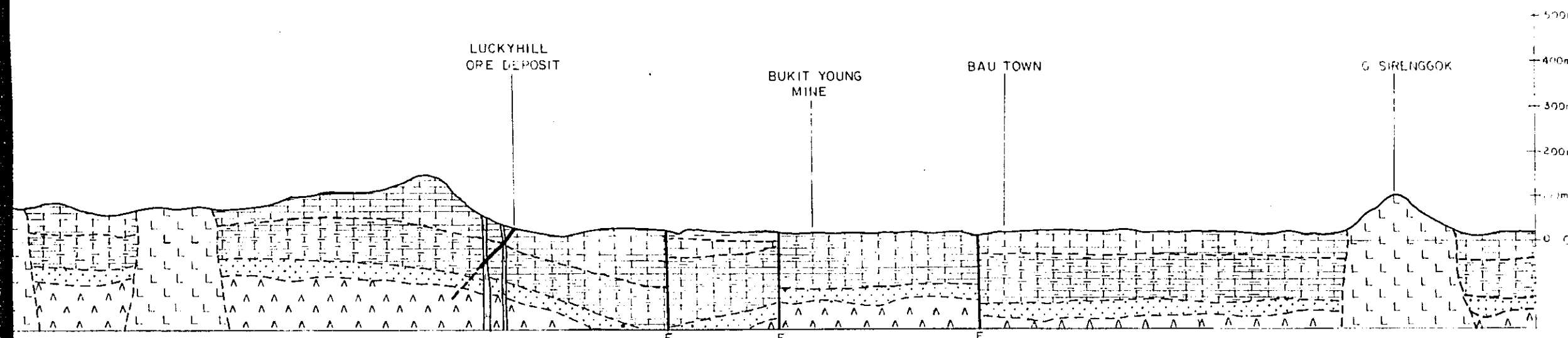
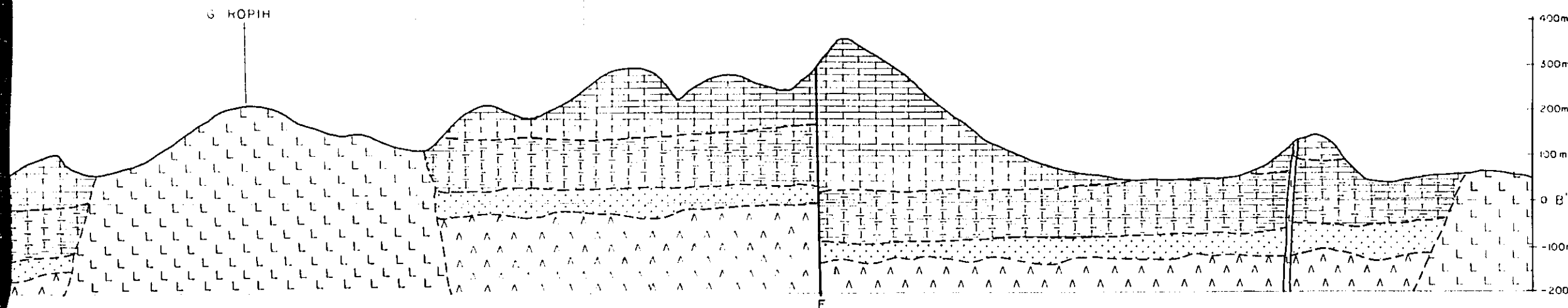
LEGEND

(Stratigraphy)

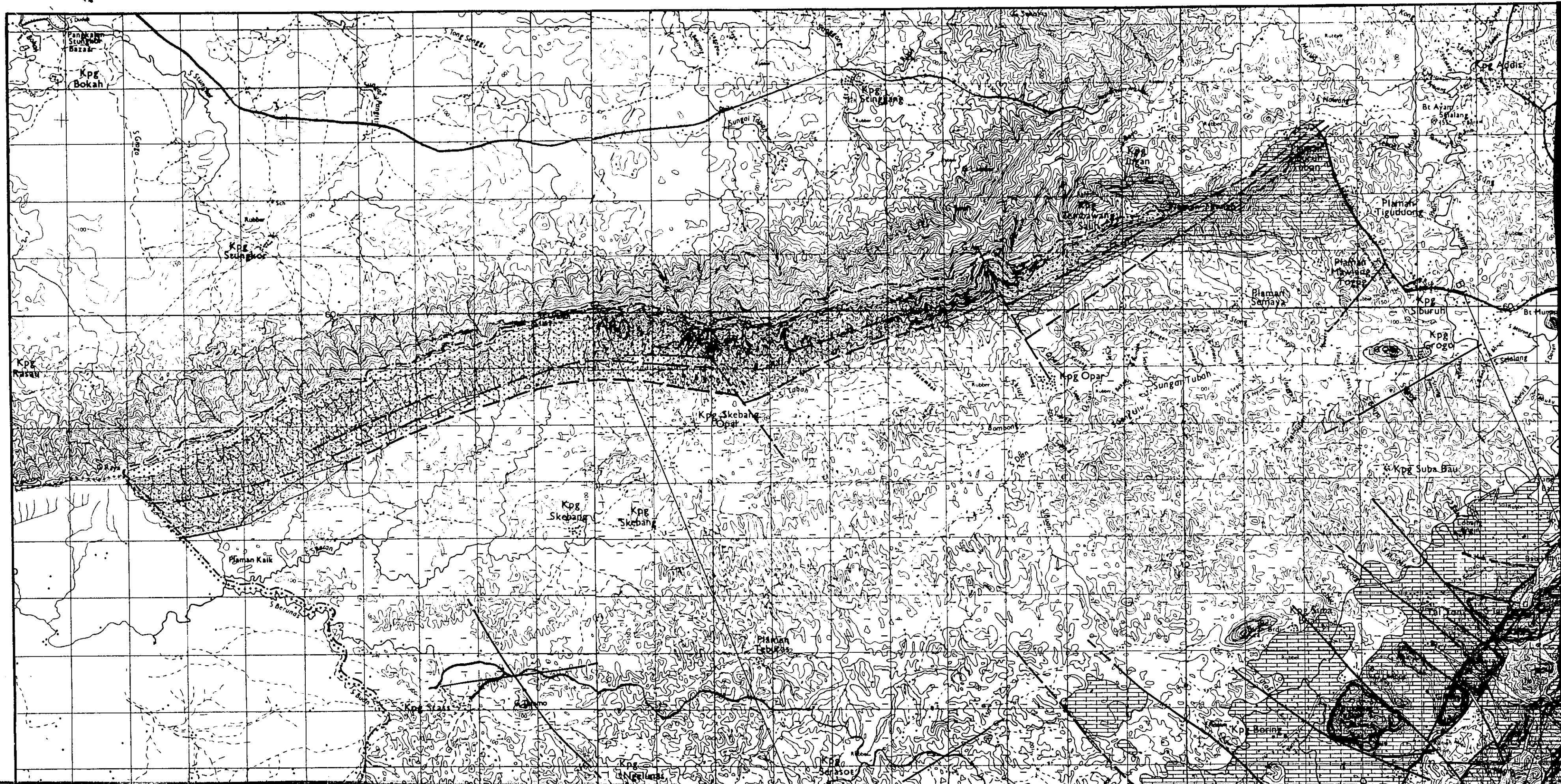
Tertiary	Younger Volcanics  Dacitic volcanic breccia including volcanic mudflow deposit
Upper Jurassic - Cretaceous	Pedawan Formation  Alternation of shale or mudstone and siltstone or sandstone
	Bau Limestone  Grey, pure limestone  Dark brownish grey, argillaceous limestone
	 Ill-sorted sandstone
Triassic	Serian Volcanics  Basic andesite and gabbro

(Intrusives)

Miocene	 Acidic stock and dyke mainly dacite, quartz porphyry
---------	--







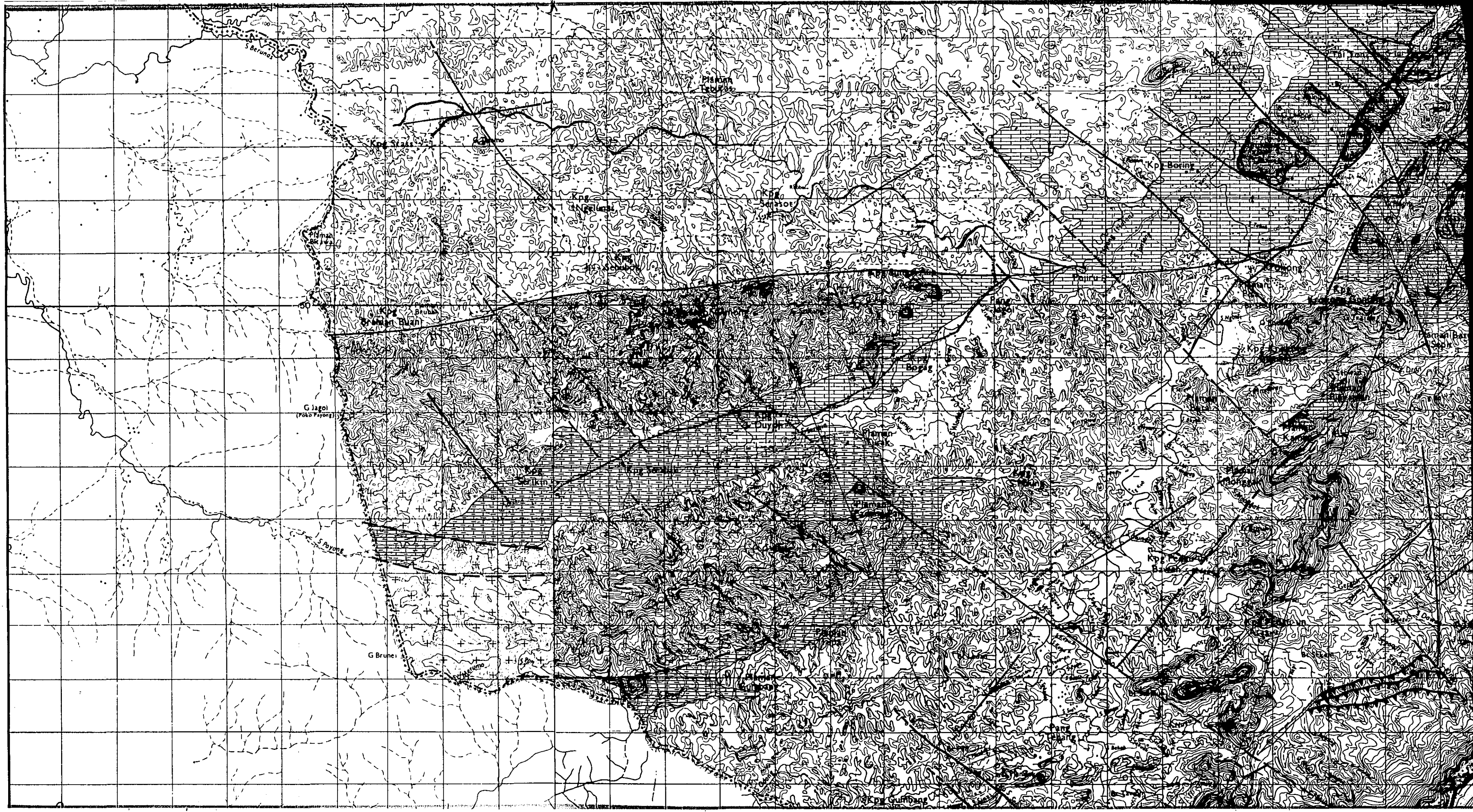




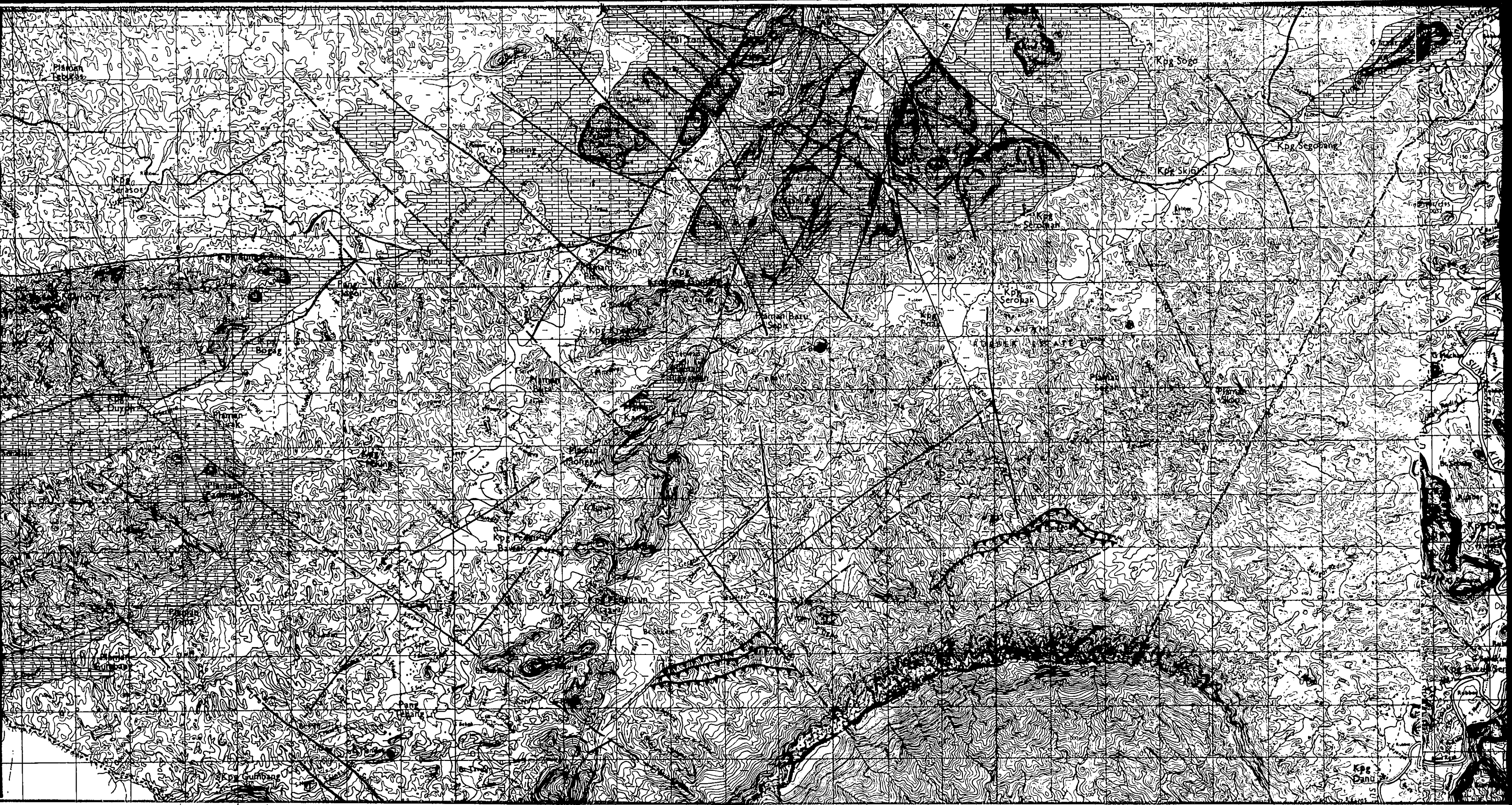




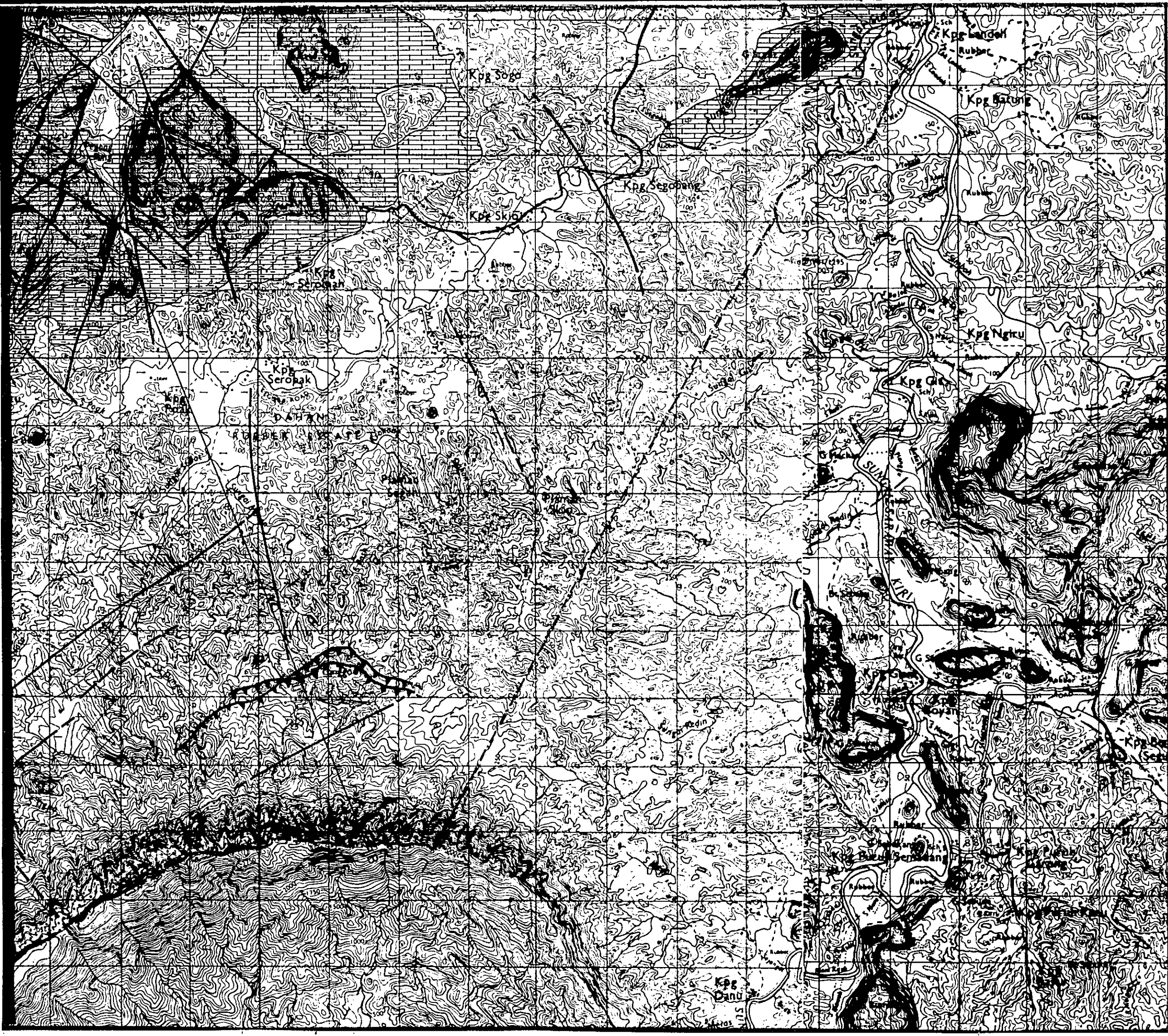




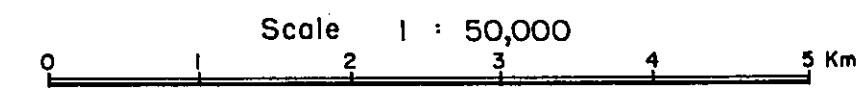








JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 GEOLOGICAL SURVEY OF MALAYSIA



LEGEND

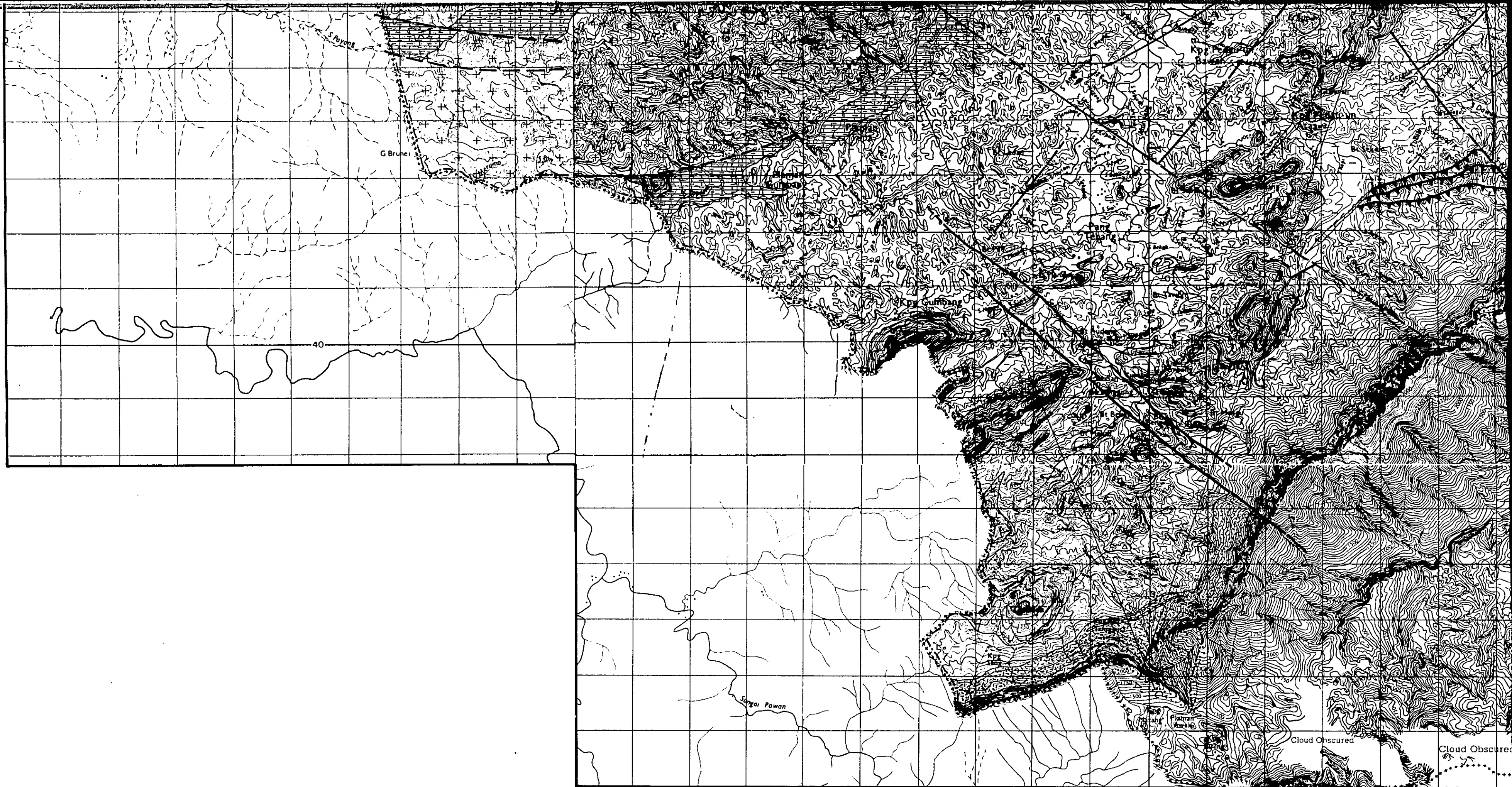
(Stratigraphy)

<b>Tertiary</b>	Younger Volcanics		Dacitic volcanic breccia including volcanic mudflow deposit
	Kayan Sandstone		Quartzose sandstone with conglomerate
<b>Upper Jurassic - Cretaceous</b>	Pedawan Formation		Light greenish grey / Tuffaceous sandstone dacitic sandy tuff / and tuffaceous mudstone
			Thin bedded limestone or calcareous shale
			Alternation of shale or mudstone and siltstone or sandstone
<b>Upper Jurassic - Cretaceous</b>			Grey, pure limestone
	Bau Limestone		Dark brownish grey, argillaceous limestone
			Ill-sorted sandstone
<b>Triassic</b>	Serian Volcanics		Basic andesite and gabbro

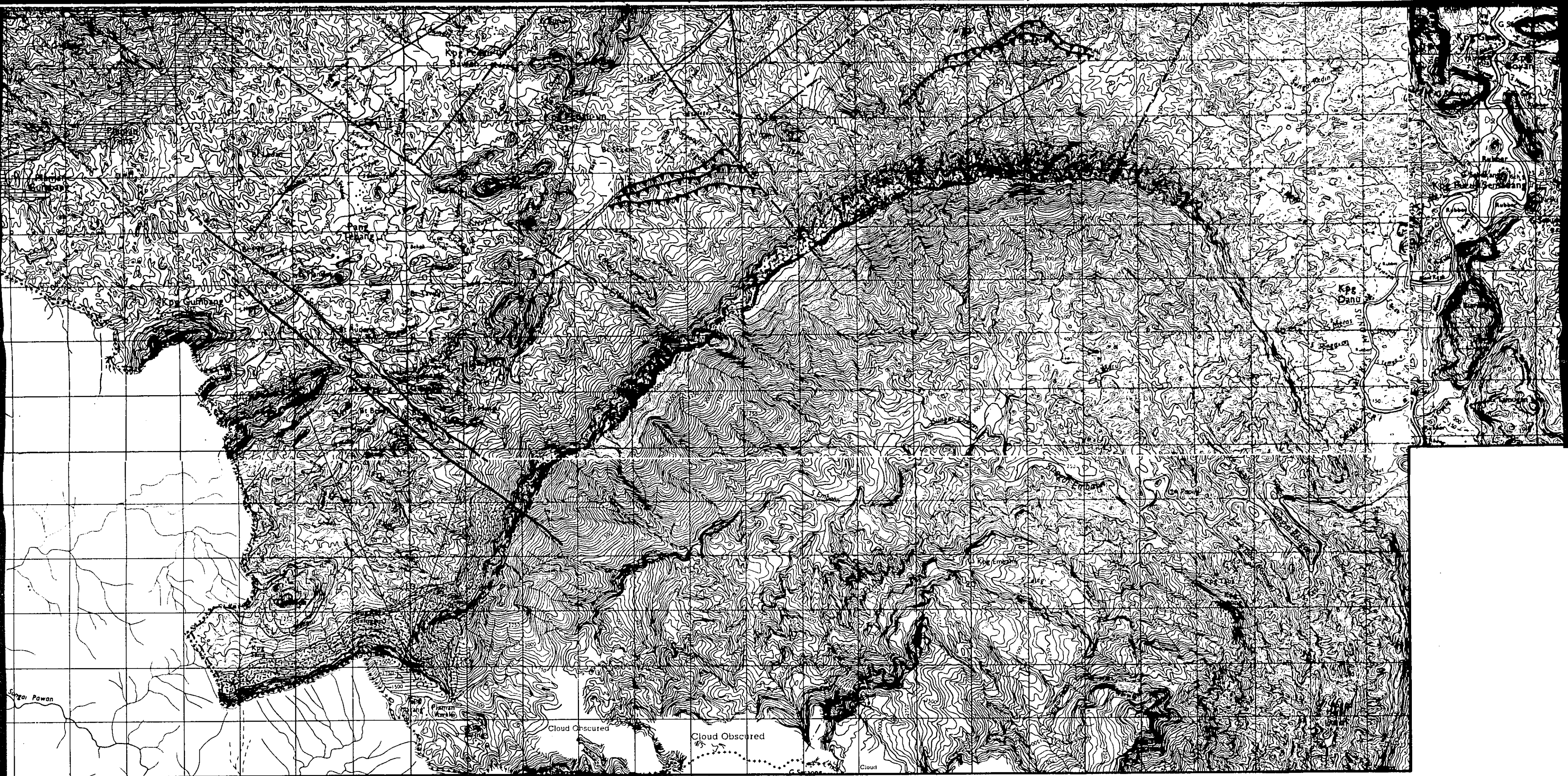
(Intrusives)

<b>Miocene</b>		Acidic stock and dyke mainly dacite, quartz porphyry
----------------	--	--









Sgaj Pawan

Sgaj Pawan

1500

Cloud Obscured

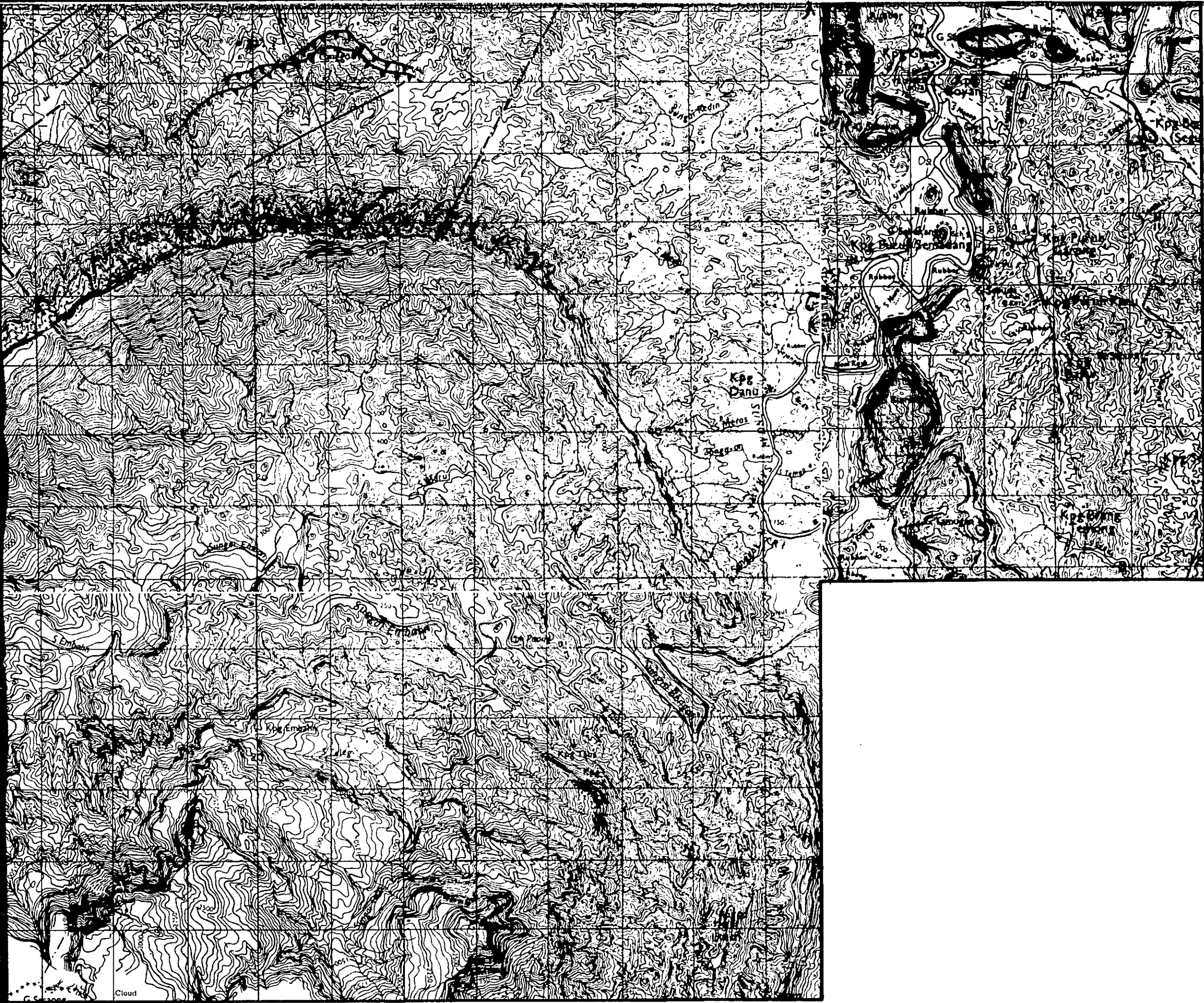
Cloud Obscured

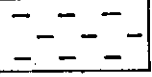
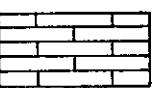

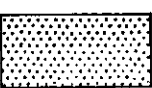
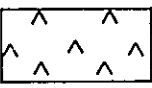
Cloud

Kpg Dnu

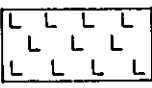
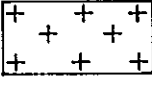
150











Upper Jurassic — Creta		Alternation of shale or mudstone and siltstone or sandstone
		Grey, pure limestone
		Dark brownish grey, argillaceous limestone
Triassic		Ill-sorted sandstone
		Serian Volcanics Basic andesite and gabbro

(Intrusives)

Miocene		Acidic stock and dyke mainly dacite, quartz porphyry
Pre-Late Jurassic		Granodiorite

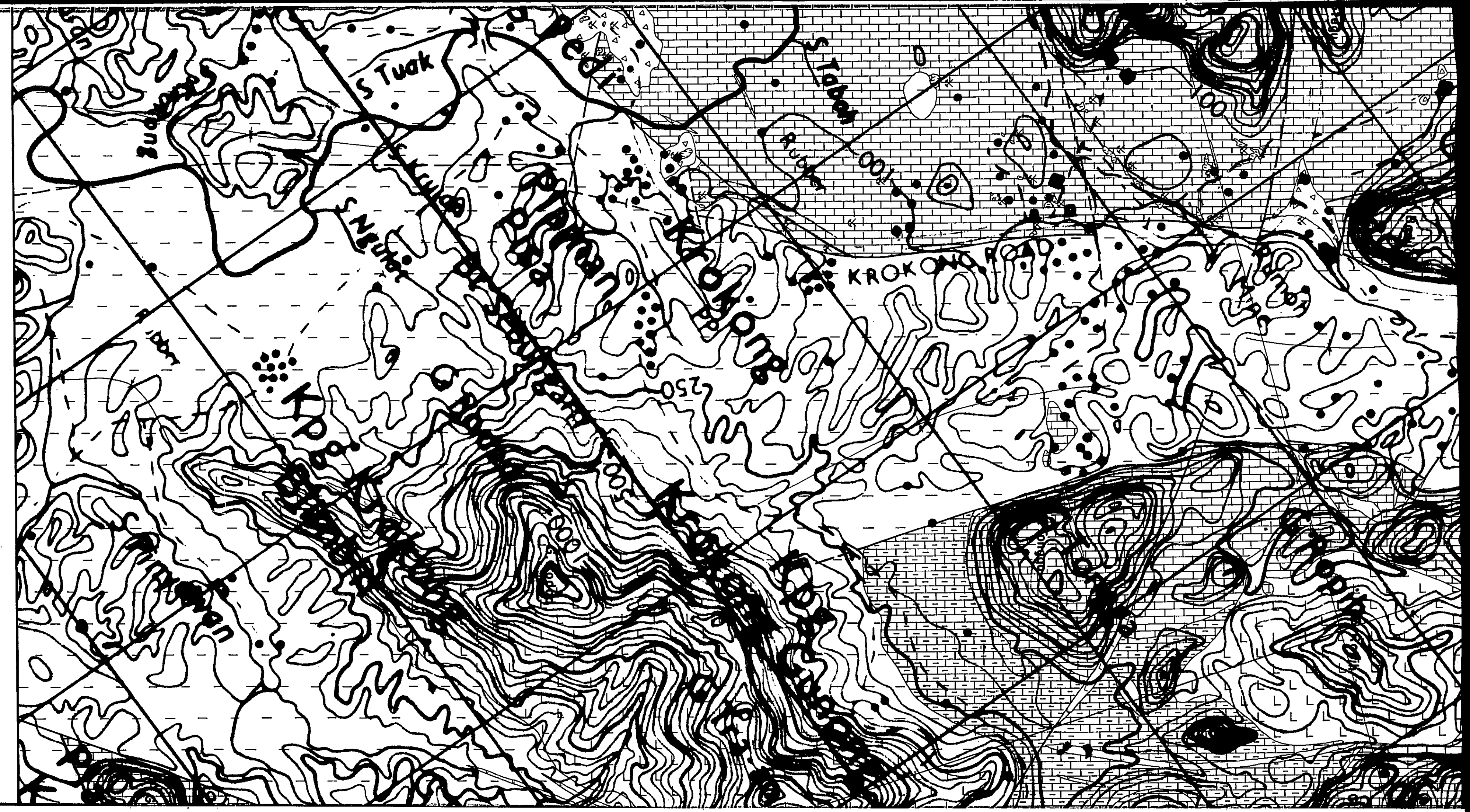
	Fault
	Probable Fault
	Thrust Fault
	Synclinal axis
	Anticlinal axis
	Line of Section



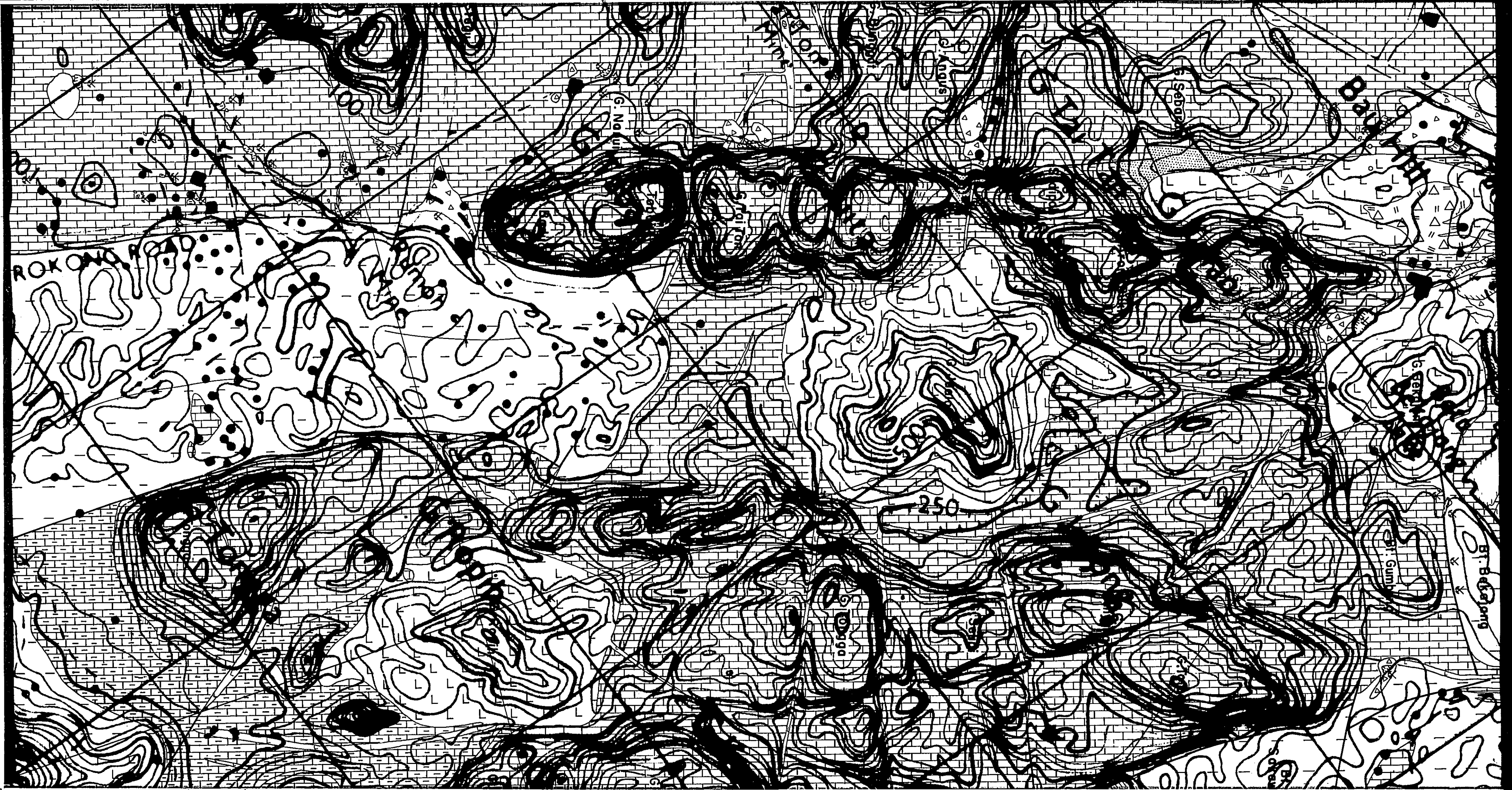




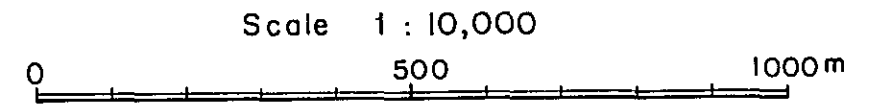








JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 GEOLOGICAL SURVEY OF MALAYSIA



LEGEND

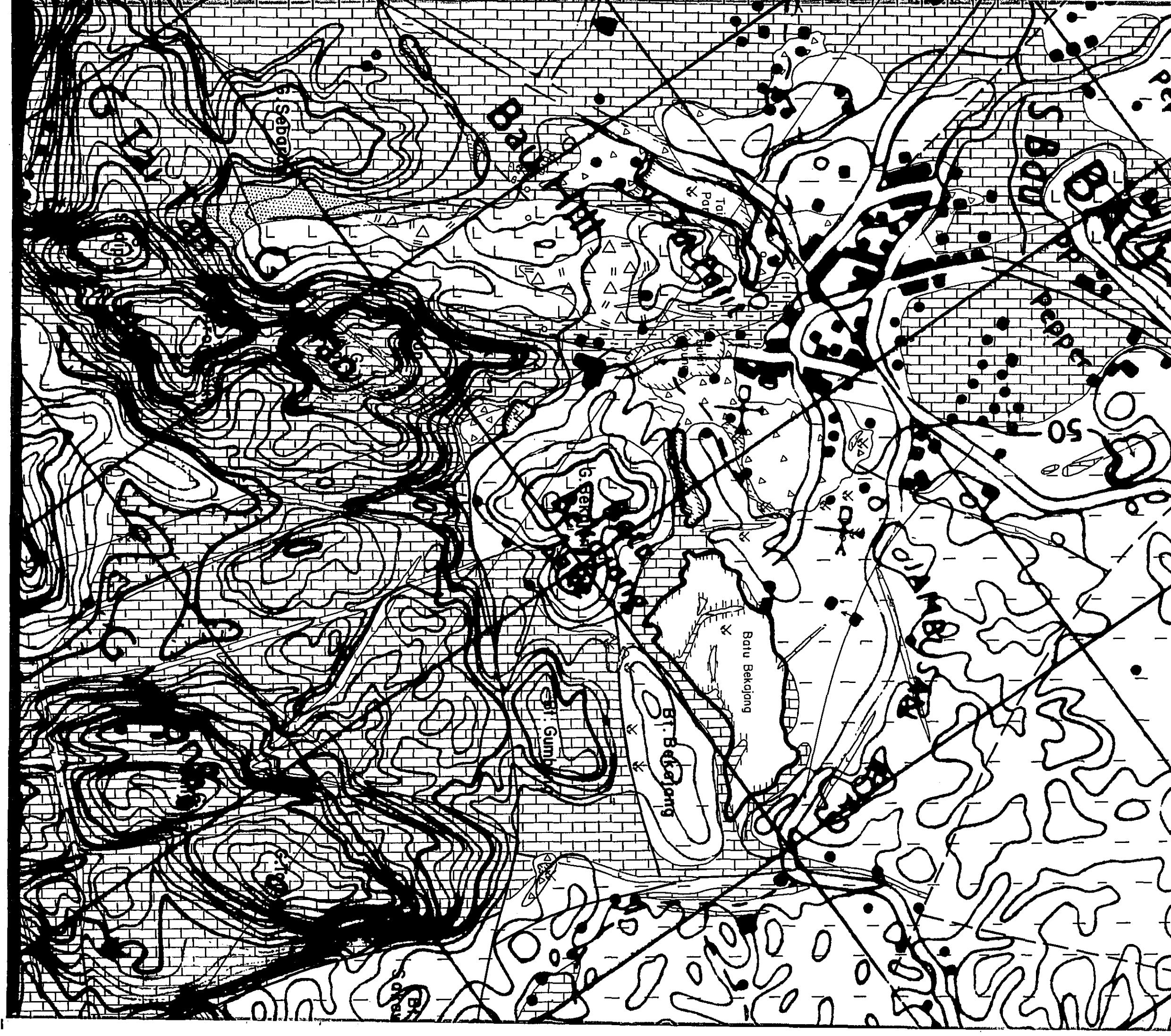
(Stratigraphy)

Tertiary	Younger Volcanics		Dacitic volcanic breccia including volcanic mudflow deposit
	Pedawan Formation		
Upper Jurassic - Cretaceous			Alternation of shale or mudstone and siltstone or sandstone
	Bau Limestone		Grey, pure limestone
			Dark brownish grey, argillaceous limestone
		Ill-sorted sandstone	
Triassic	Serian Volcanics		Basic andesite and gabbro

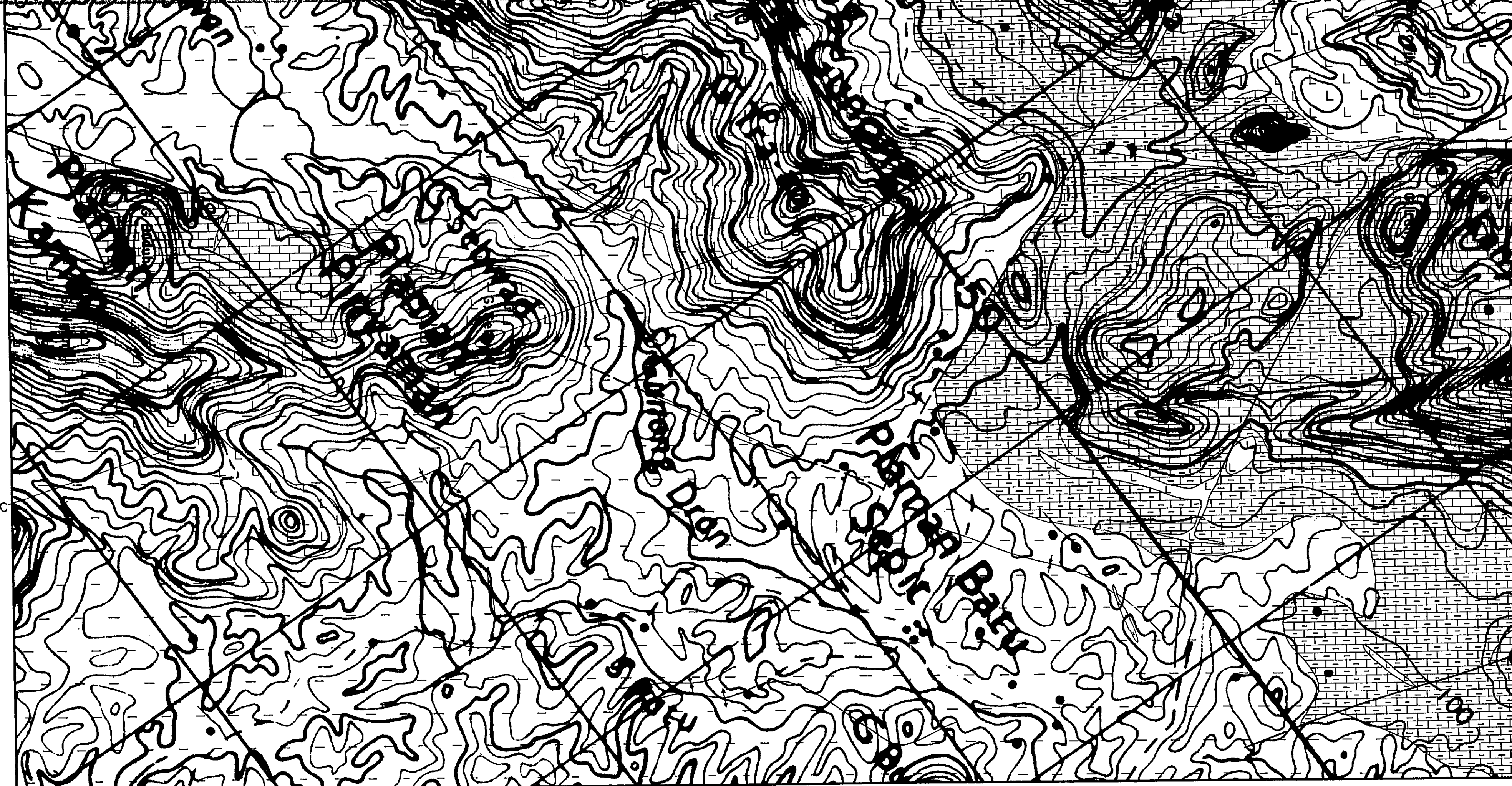
(Intrusives)

Miocene		Acidic stock and dyke mainly dacite, quartz porphyry
---------	--	--

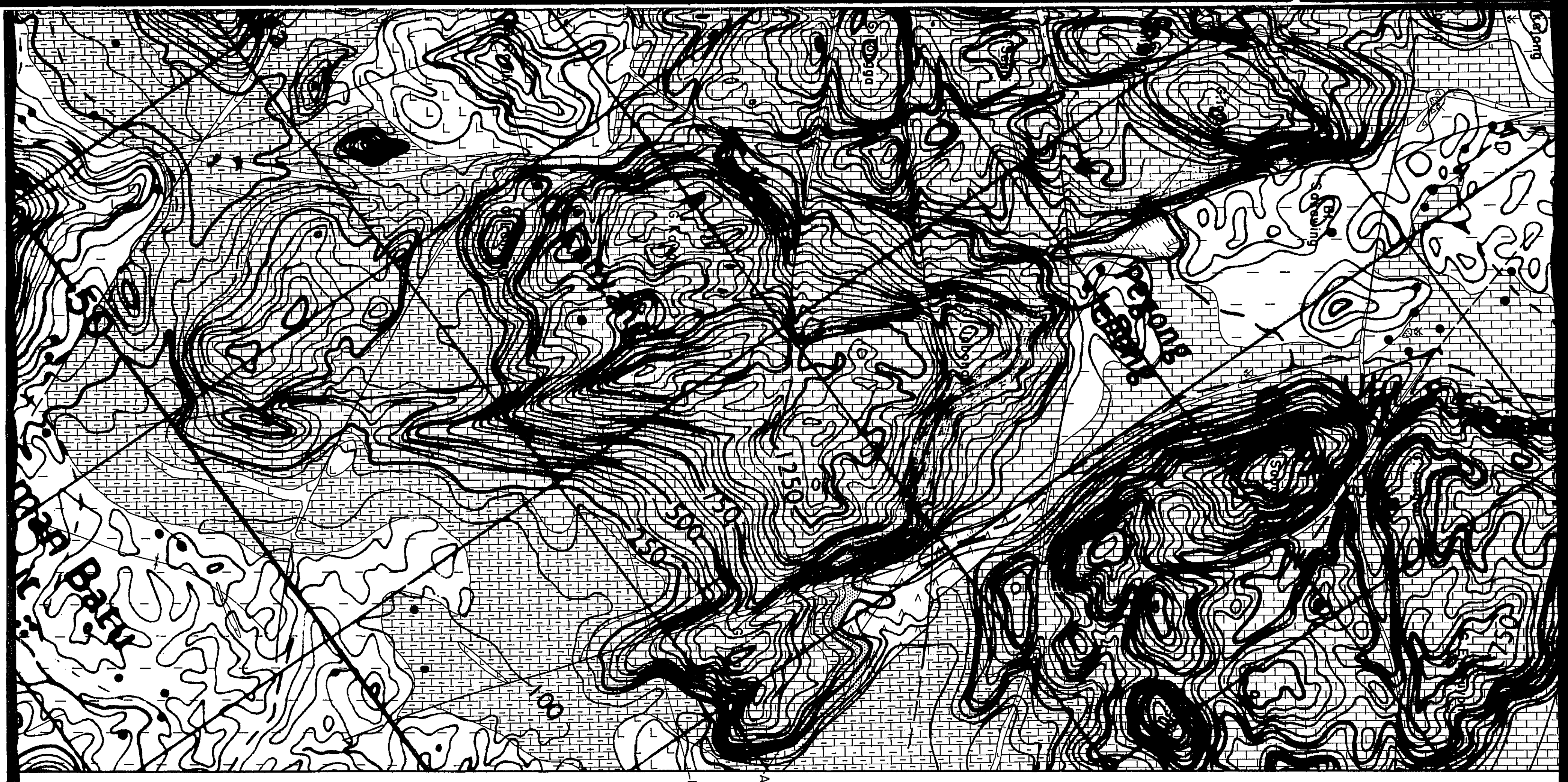
50 60 Bedding











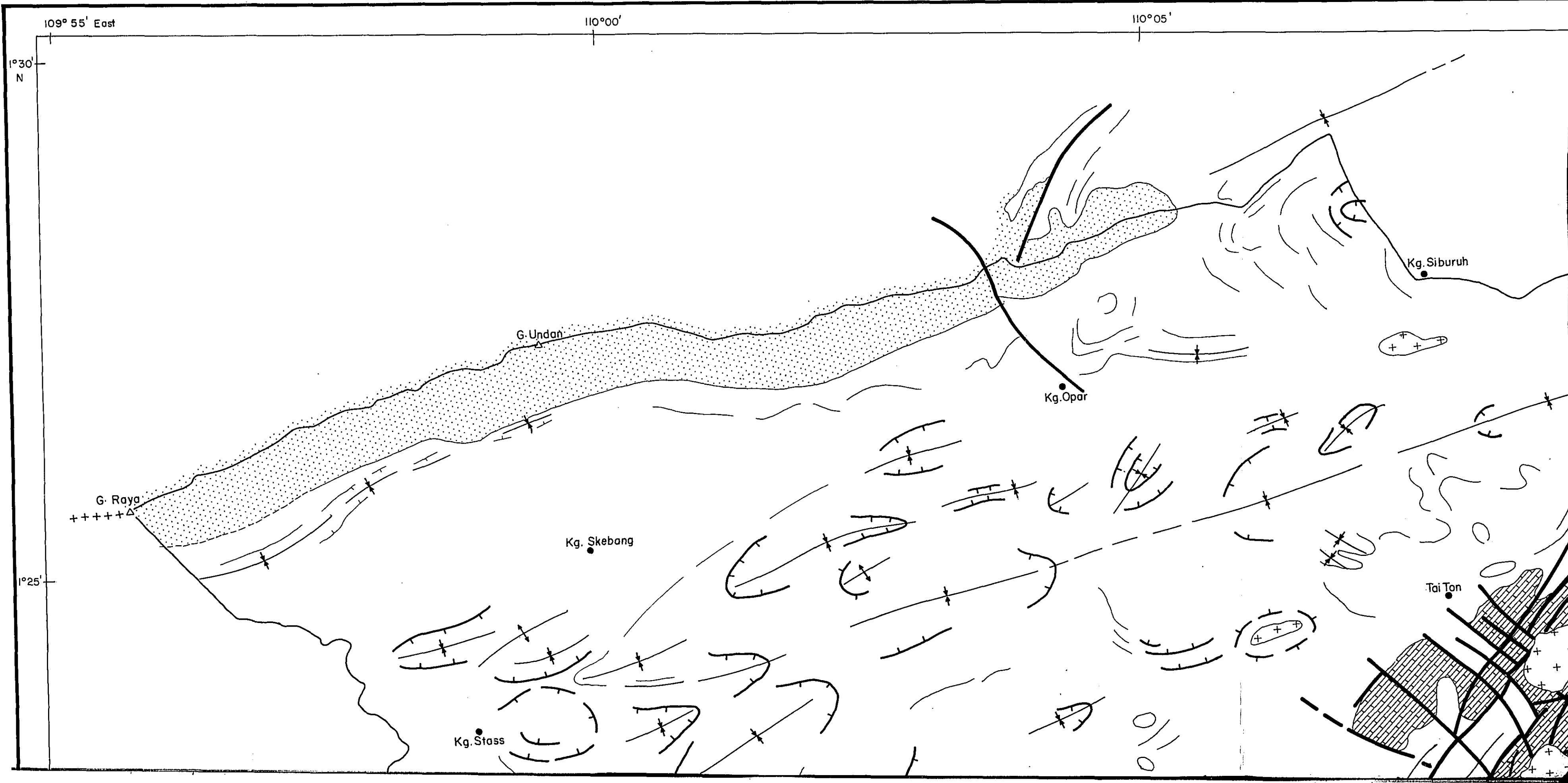


Triassic	Serian Volcanics		Basic andesite and gabbro

(Intrusives)

Miocene		Acidic stock and dyke mainly dacite, quartz porphyry
---------	--	--

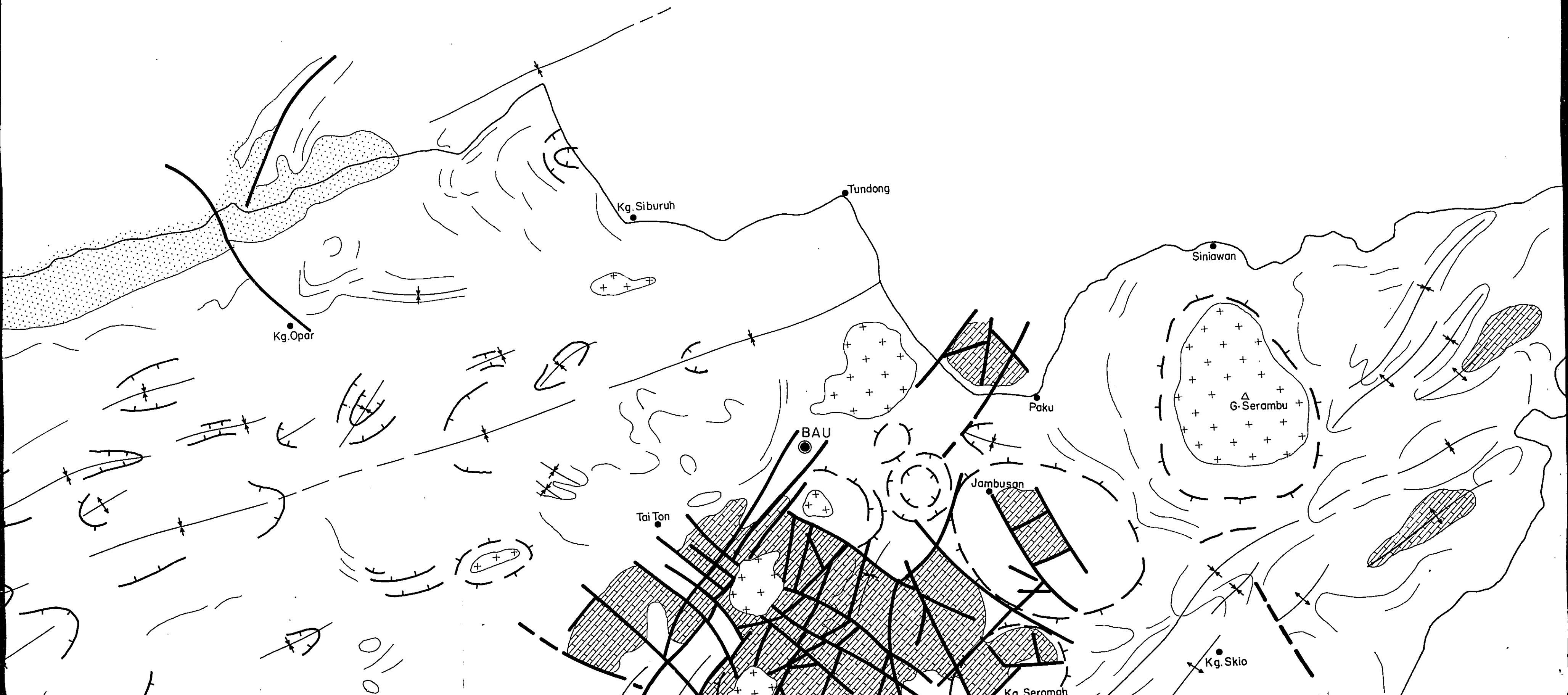
- 50 60 Bedding
- 60 Vertical bedding
- Horizontal bedding
- Fault
- Probable fault
- Anticlinal axis
- Synclinal axis
- Mine waste/Tailings
- Old mining pit (Waterfilled)
- Abandoned Mine site
- Old mine tunnel, entrance
- Built-up area
- Old drill hole
- A — A' Line of Section



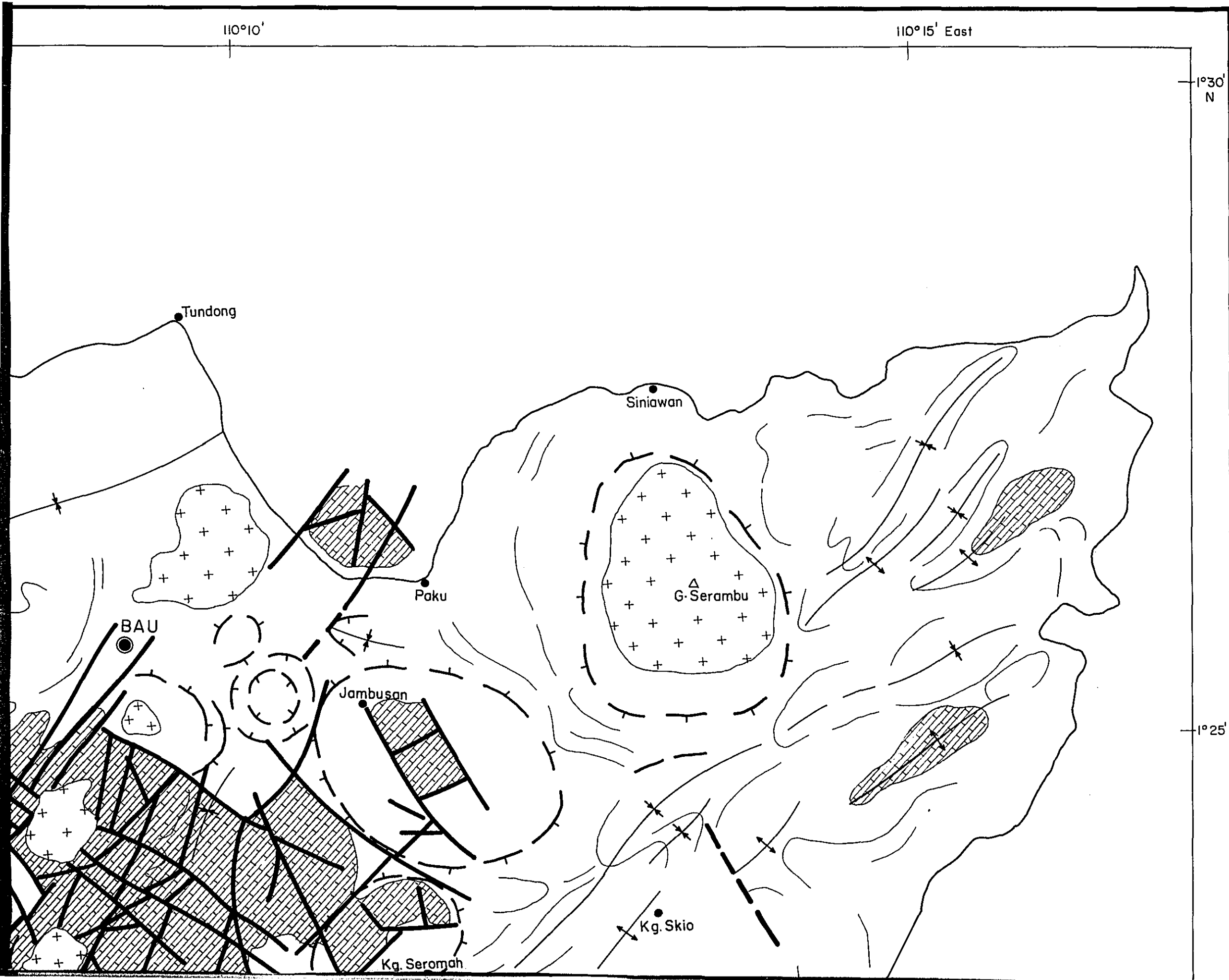
110°05'

110°10'

110°15' East



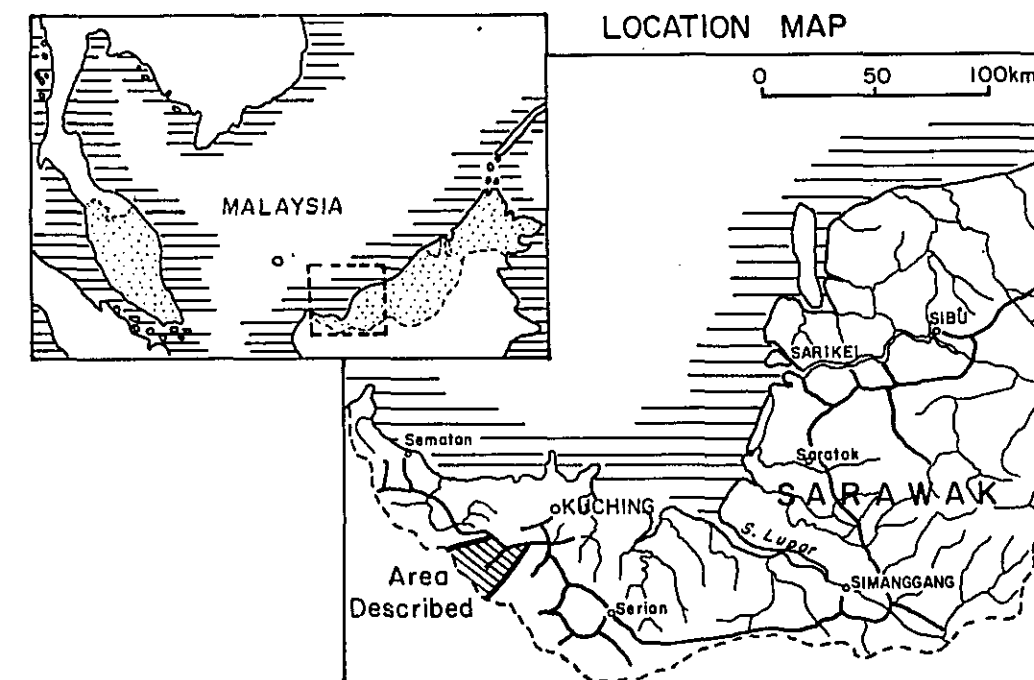




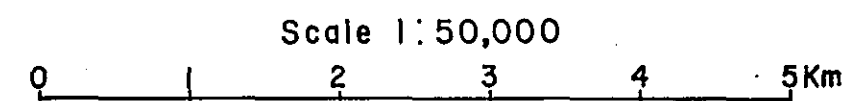
MAP II - 3

MINERAL EXPLORATION  
BAU AREA  
WEST SARAWAK, MALAYSIA

PHOTOGEOLOGICAL INTERPRETATION  
OF  
BAU AREA, WEST SARAWAK



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
GEOLOGICAL SURVEY OF MALAYSIA



1°25'

1°20'

Kg. Skebang

Kg. Stass

Kg. Serasot

Kg. Seubok

Pejiru

Krokong

Tai Ton

G. Jagoi

Kg. Bogag

G. Tra-an

ΔG. Jagoi  
(Poko Payong)

Kg. Serikin

Plm. Moggak

G. Ngian

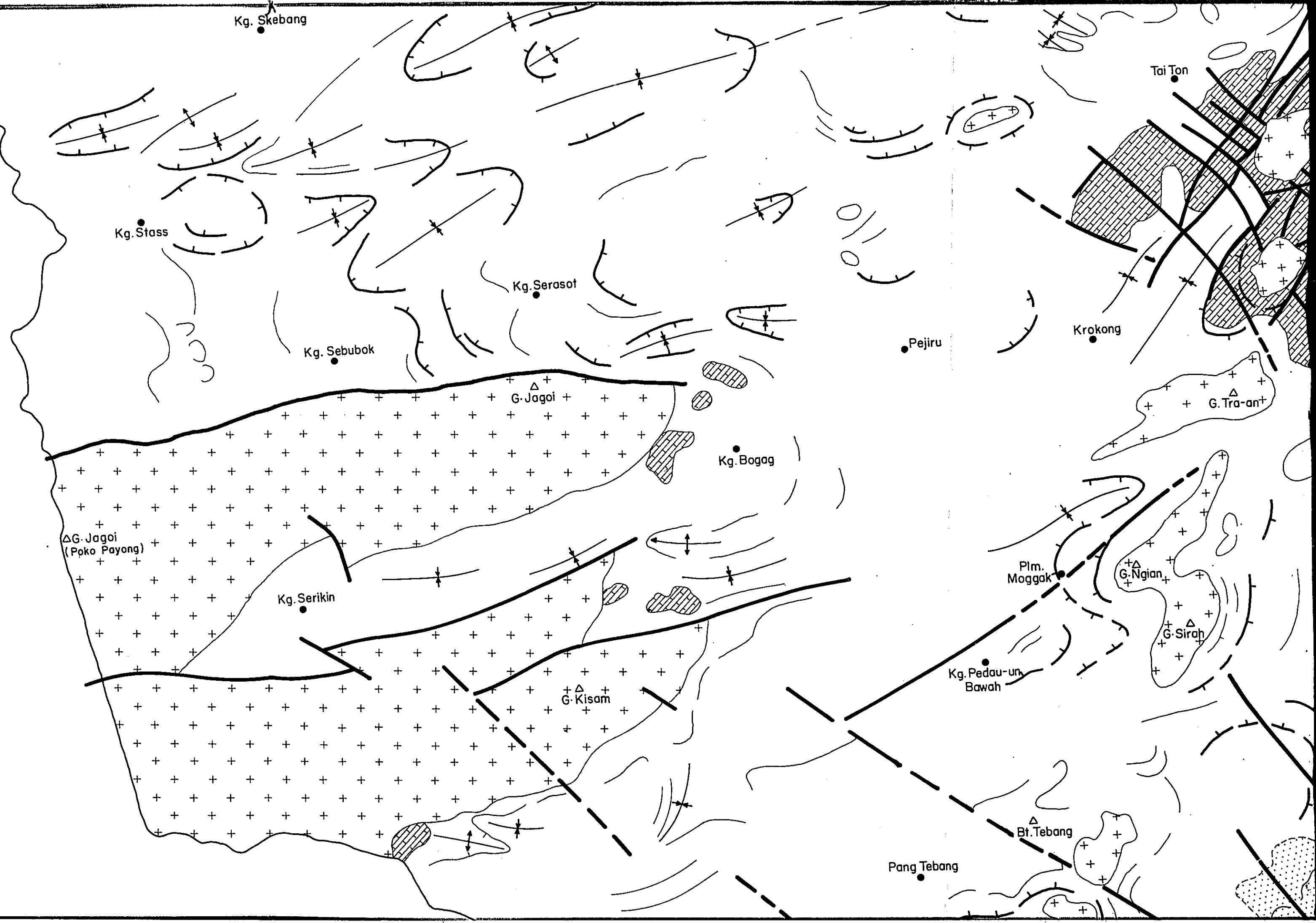
G. Sirah

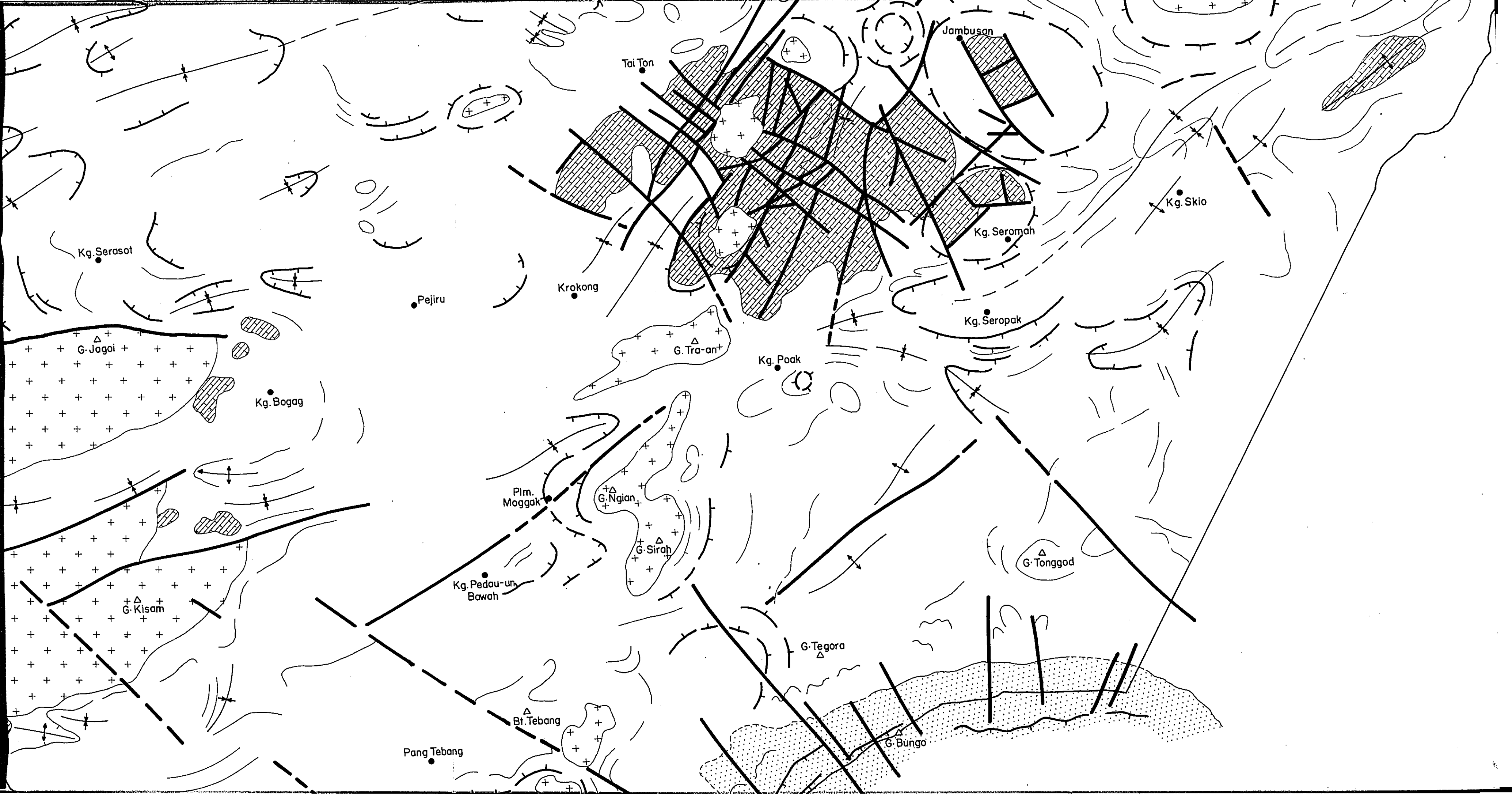
G. Kizam

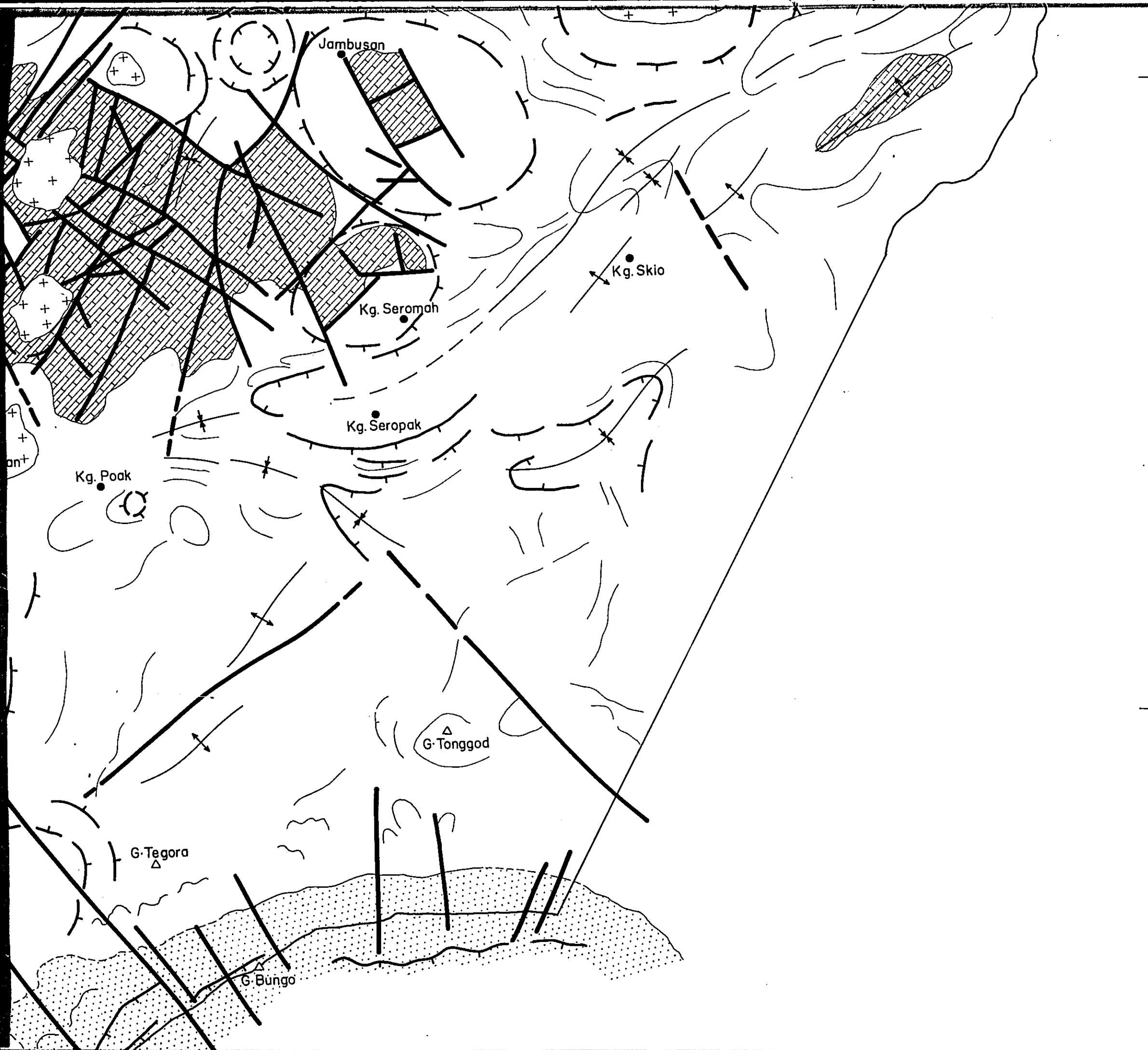
Kg. Pedau-un  
Bawah

Bt. Tebang

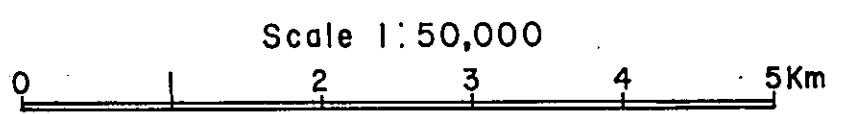
Pang Tebang







JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
GEOLOGICAL SURVEY OF MALAYSIA



1°25'

1°20'



1°20'

1°15'

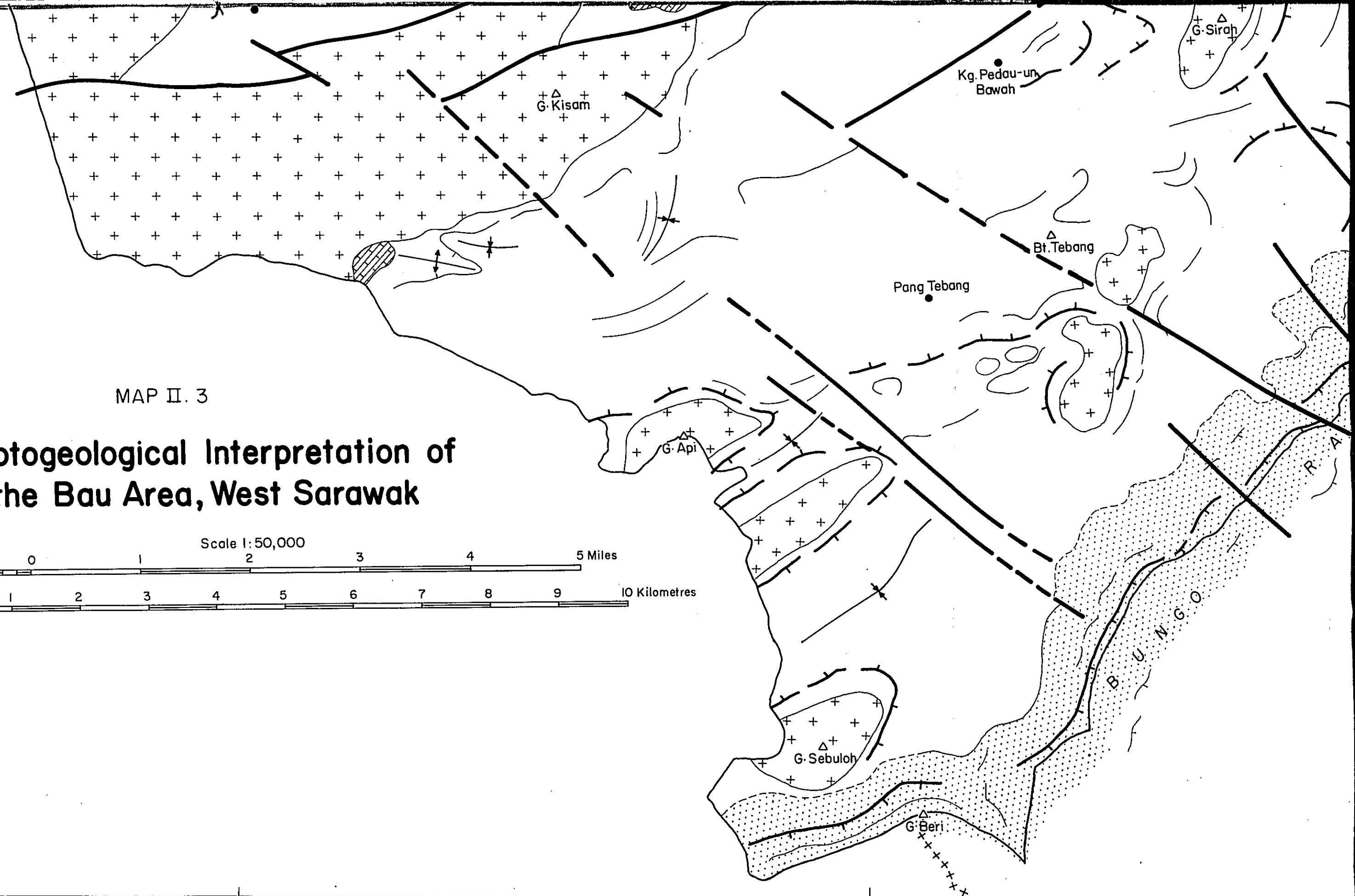
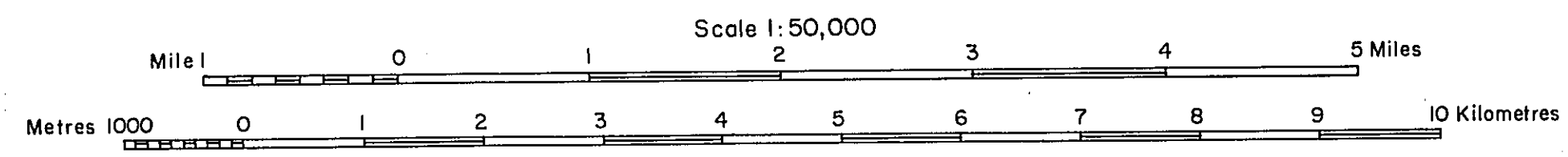
109°55' East

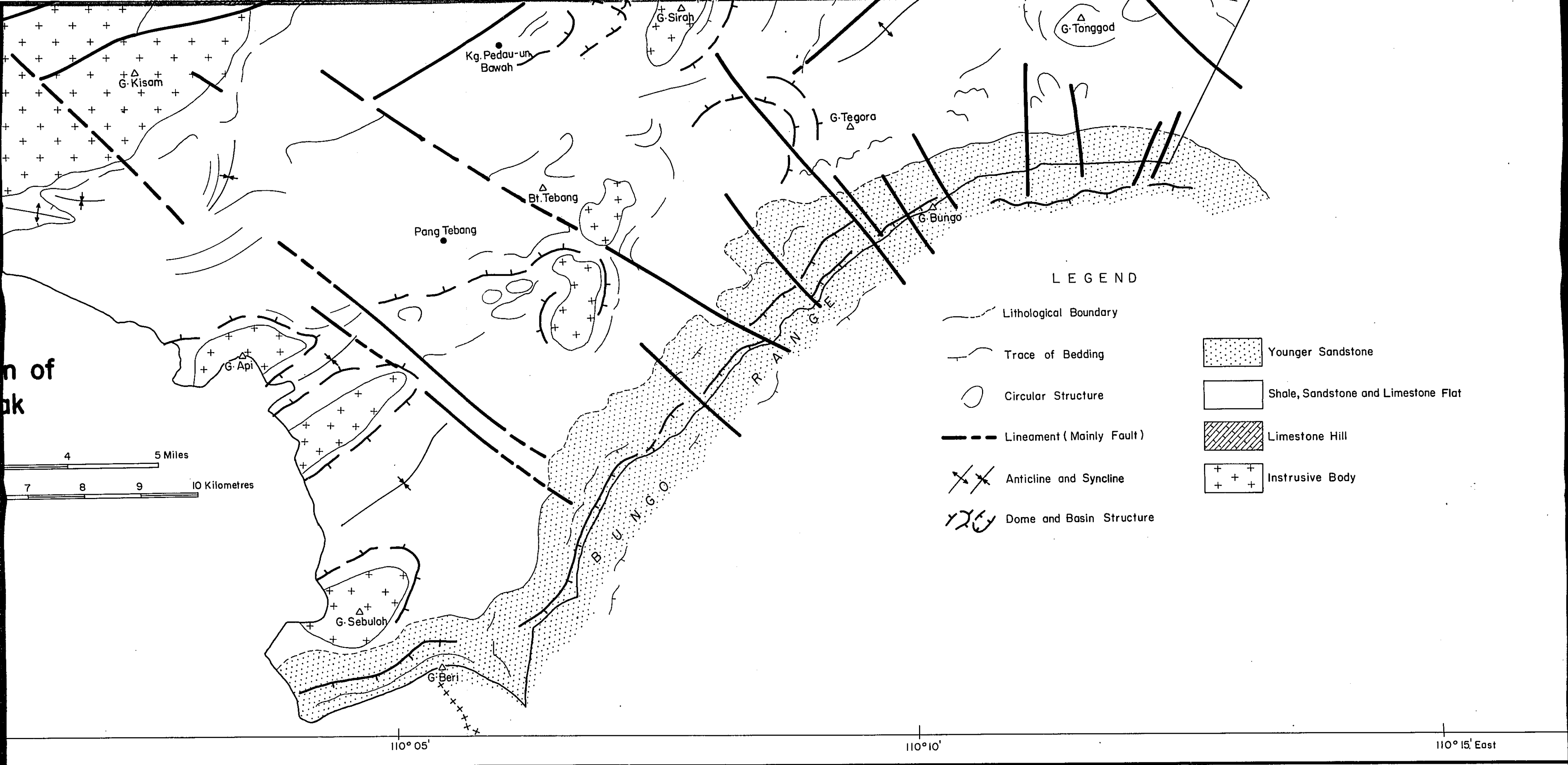
110°00'

110°05'

MAP II. 3

## Photogeological Interpretation of the Bau Area, West Sarawak





n of  
ak

Kg. Pedau-un  
Bawah

G. Kisam

G. Sirah

G. Tonggod

G. Tegora

Bt. Tebang

Pang Tebang

G. Bungo

G. Api

BUNGO  
RANGE

G. Sebuloh

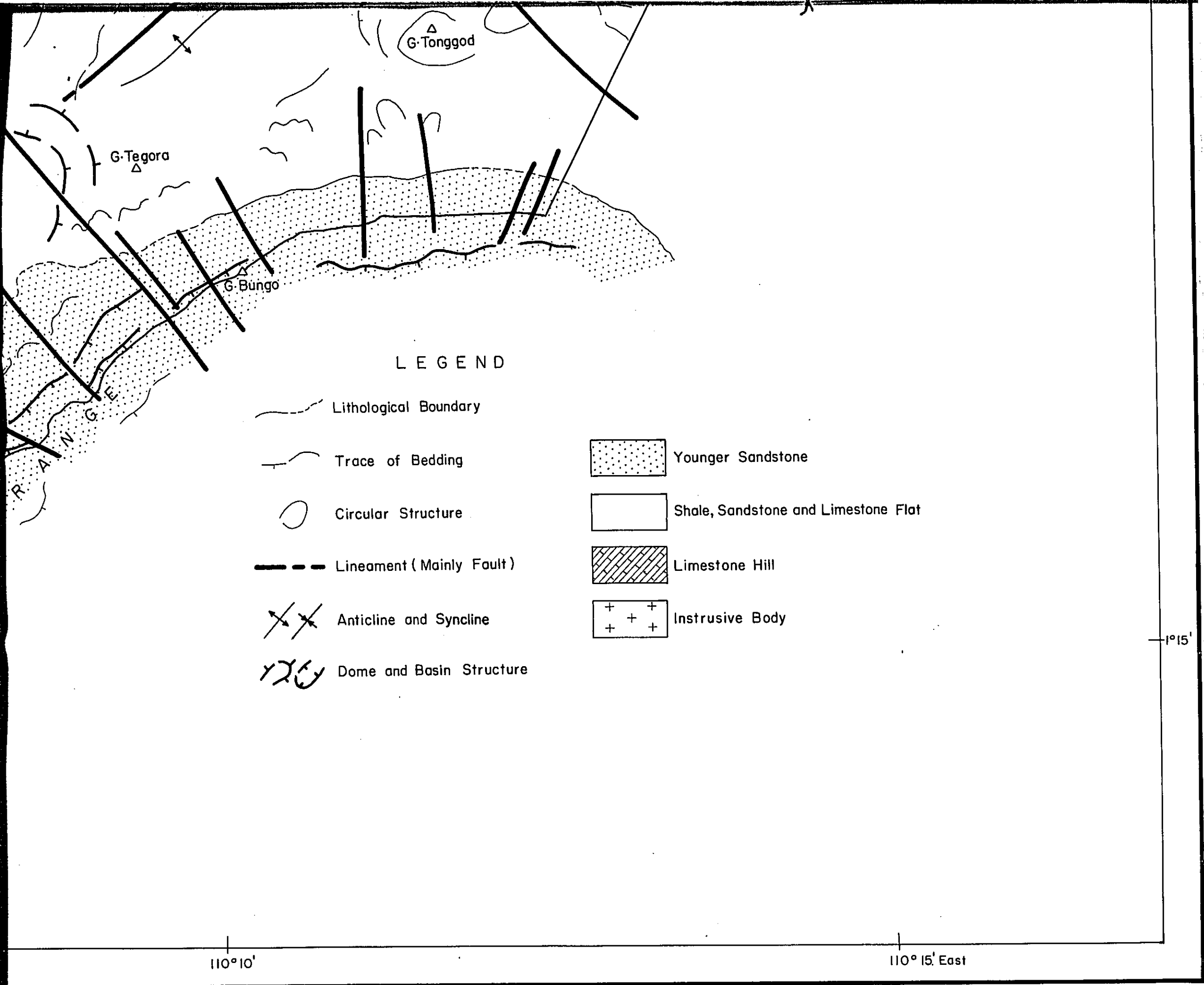
G. Beri

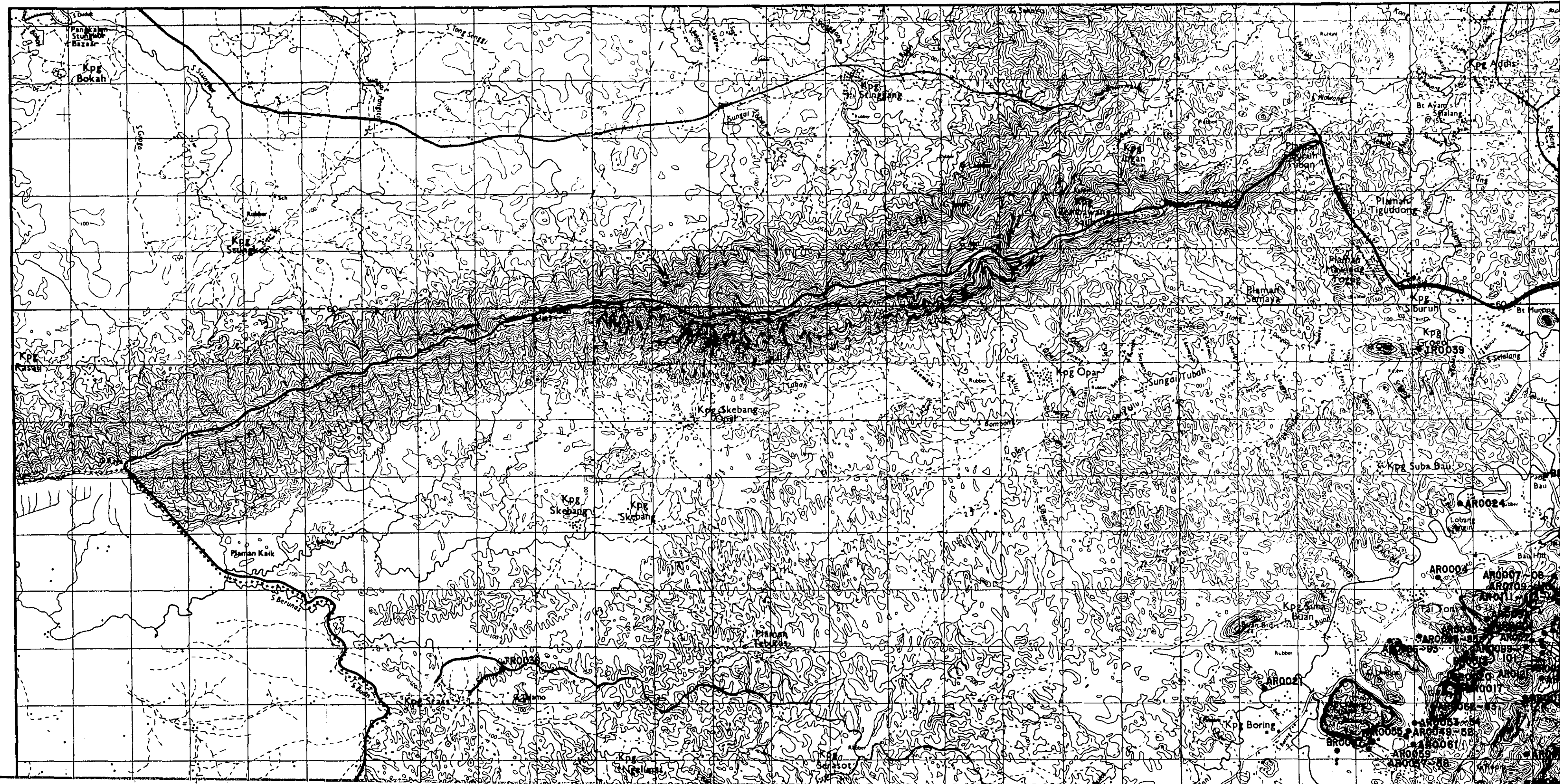
BUNGO

110° 05'

110° 10'

110° 15' East





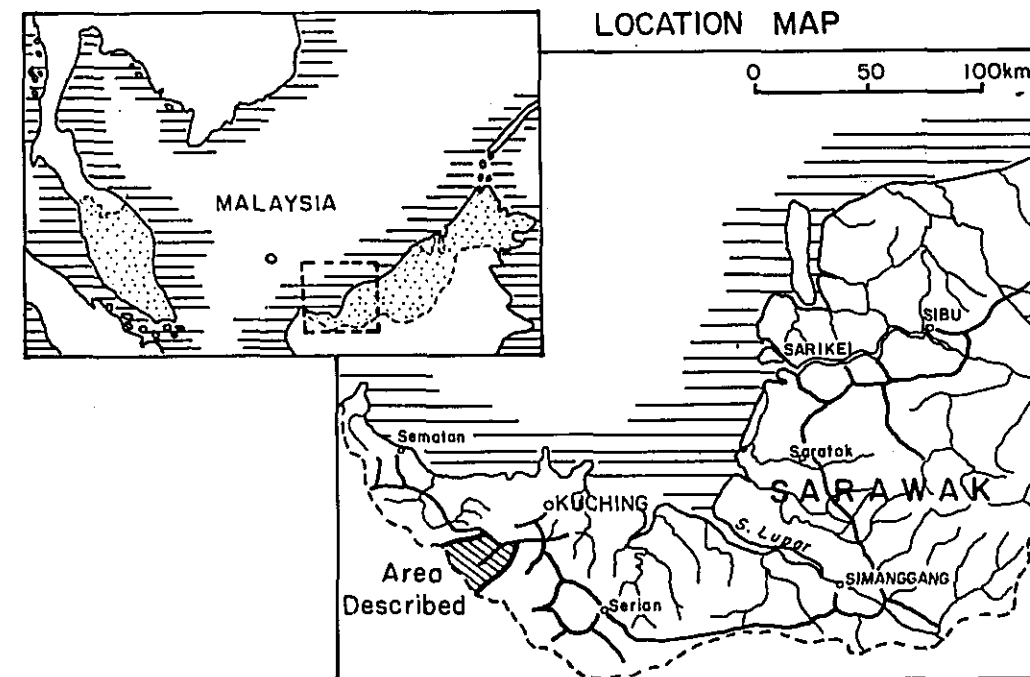




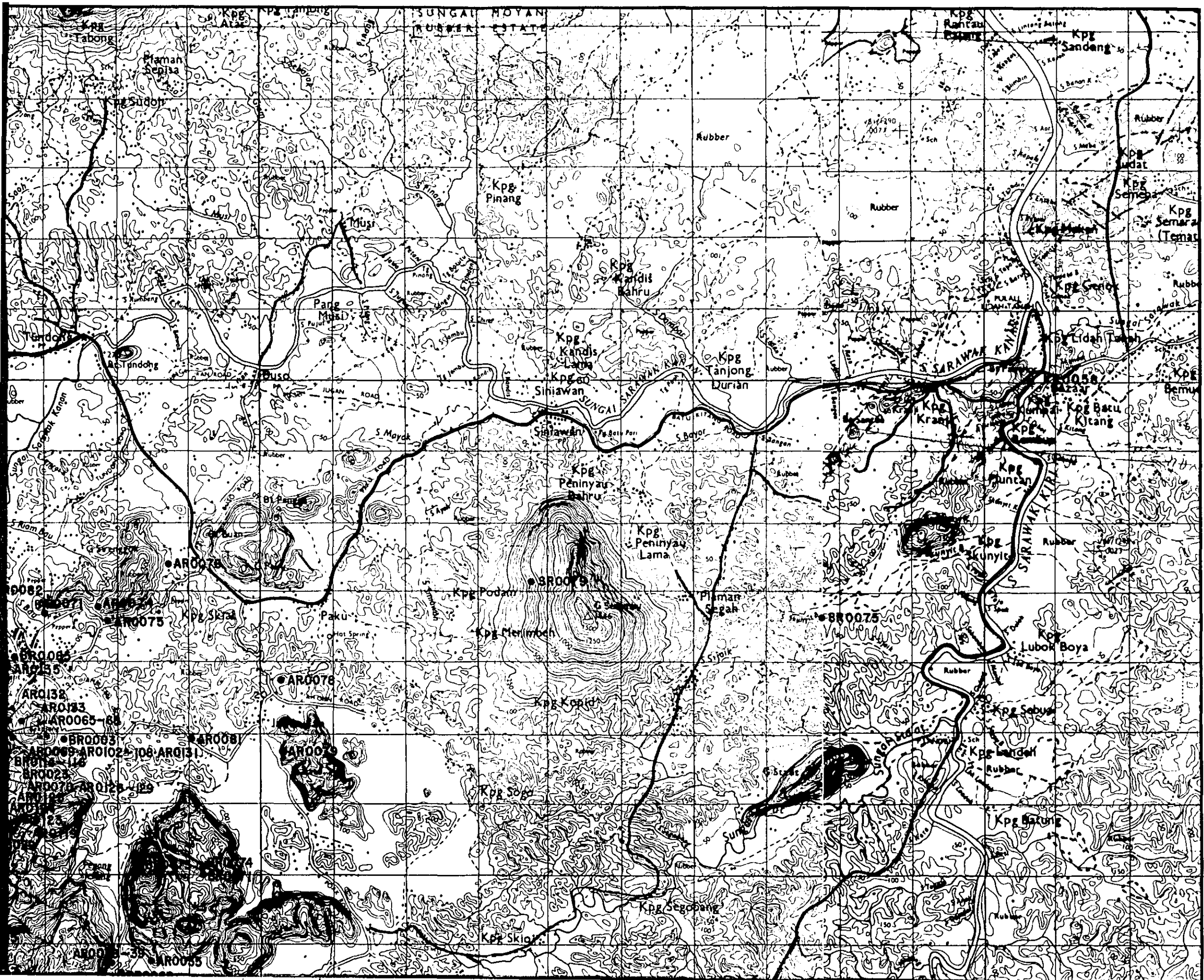
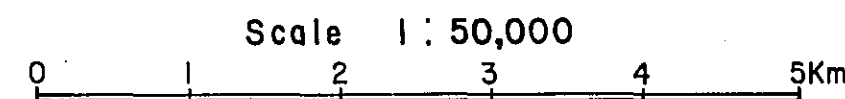


MINERAL EXPLORATION  
BAU AREA  
WEST SARAWAK, MALAYSIA

LOCATION MAP OF  
TESTED SAMPLES



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
GEOLOGICAL SURVEY OF MALAYSIA







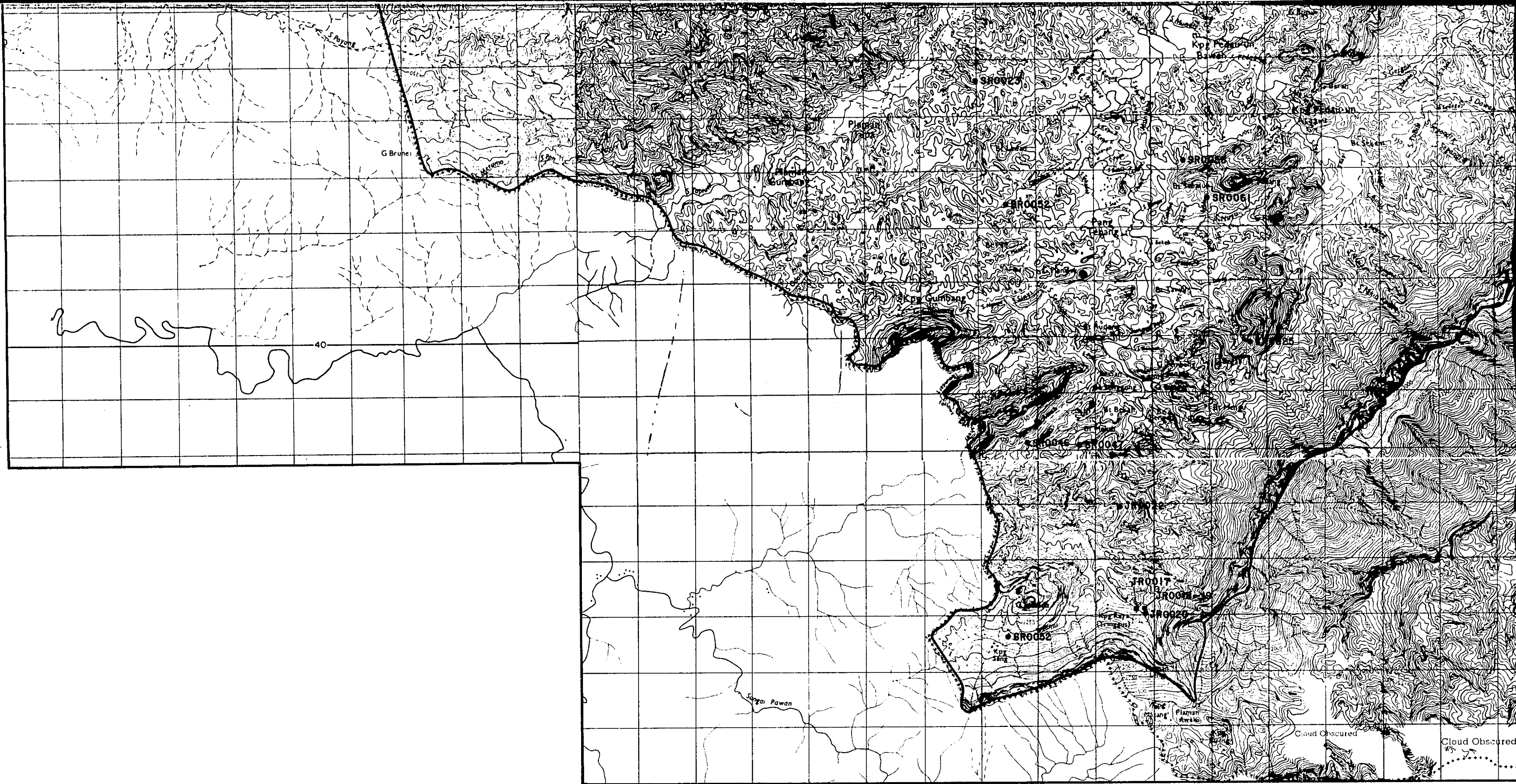








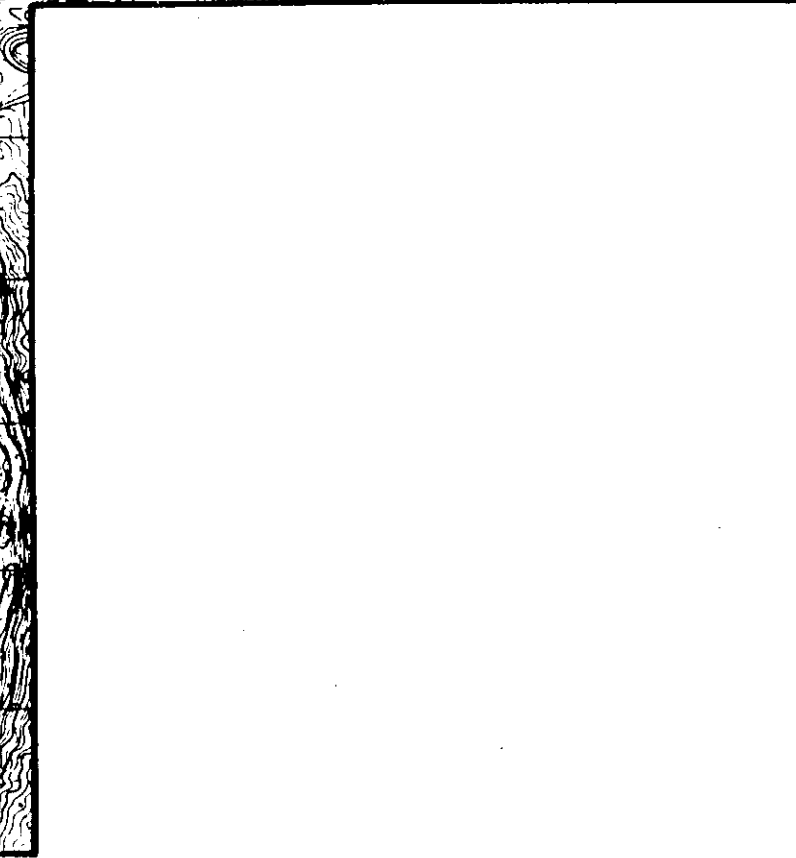
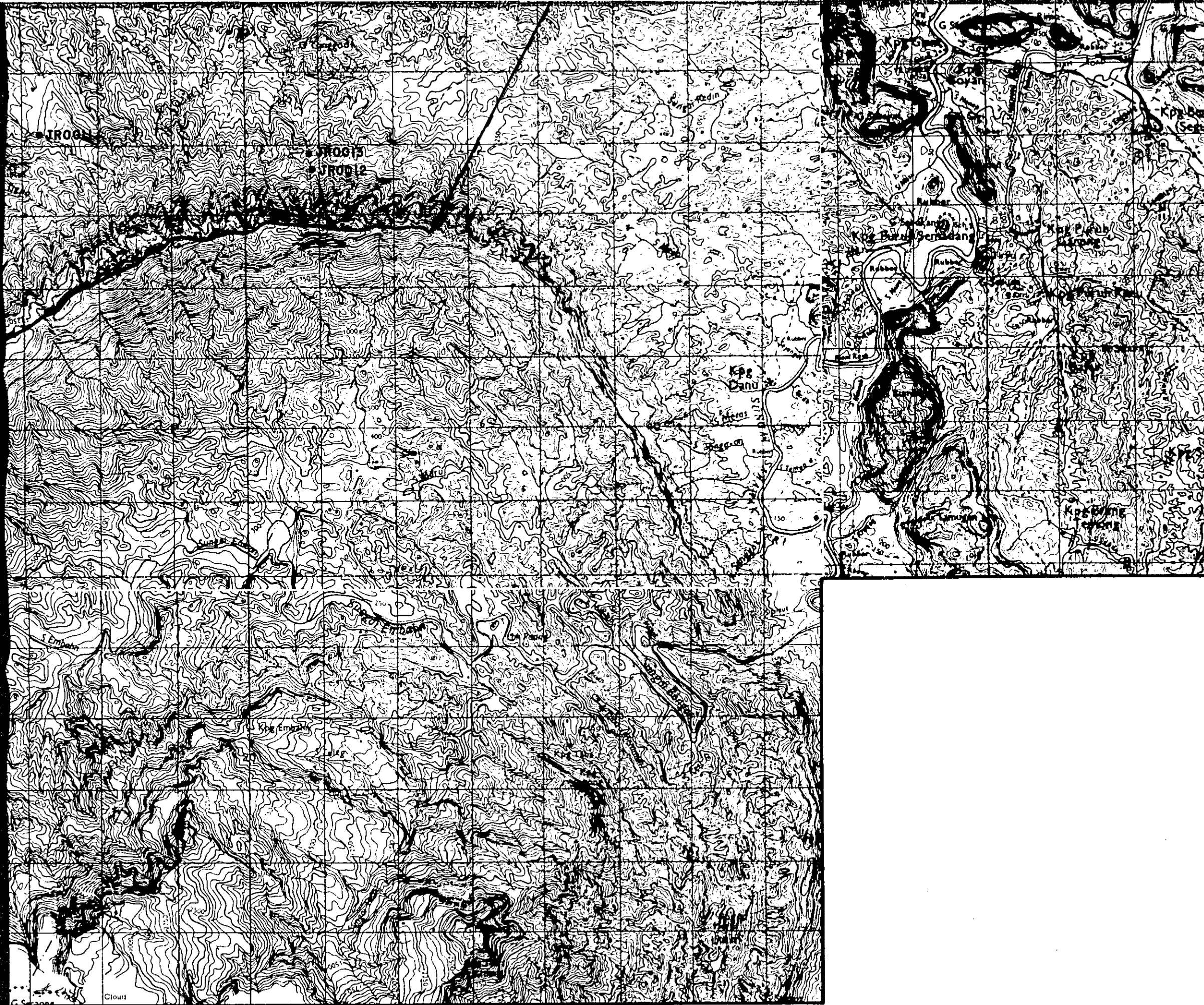




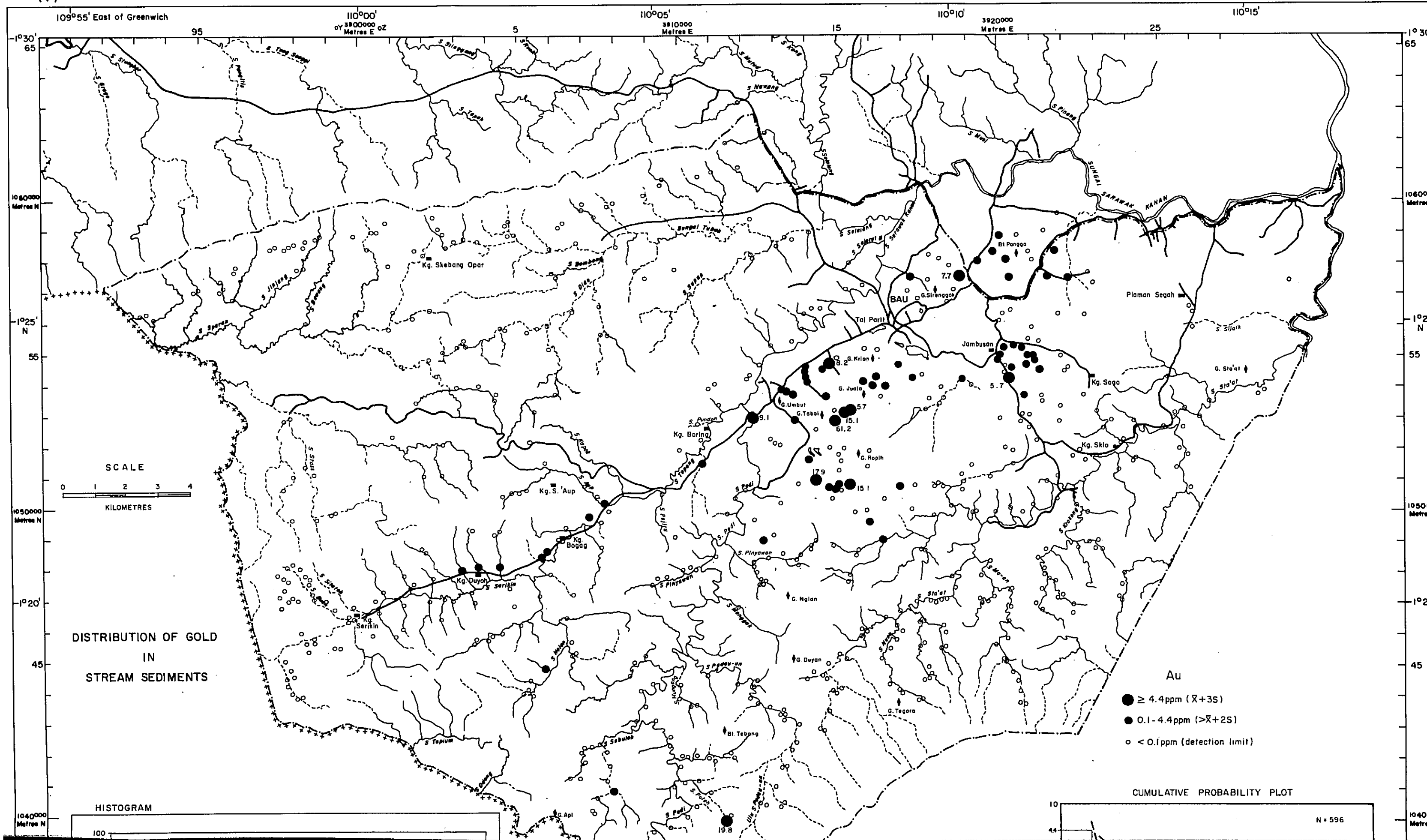




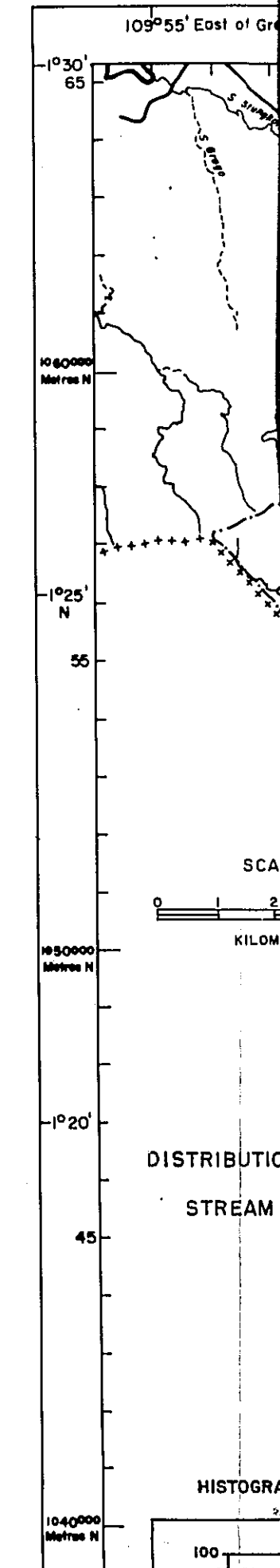


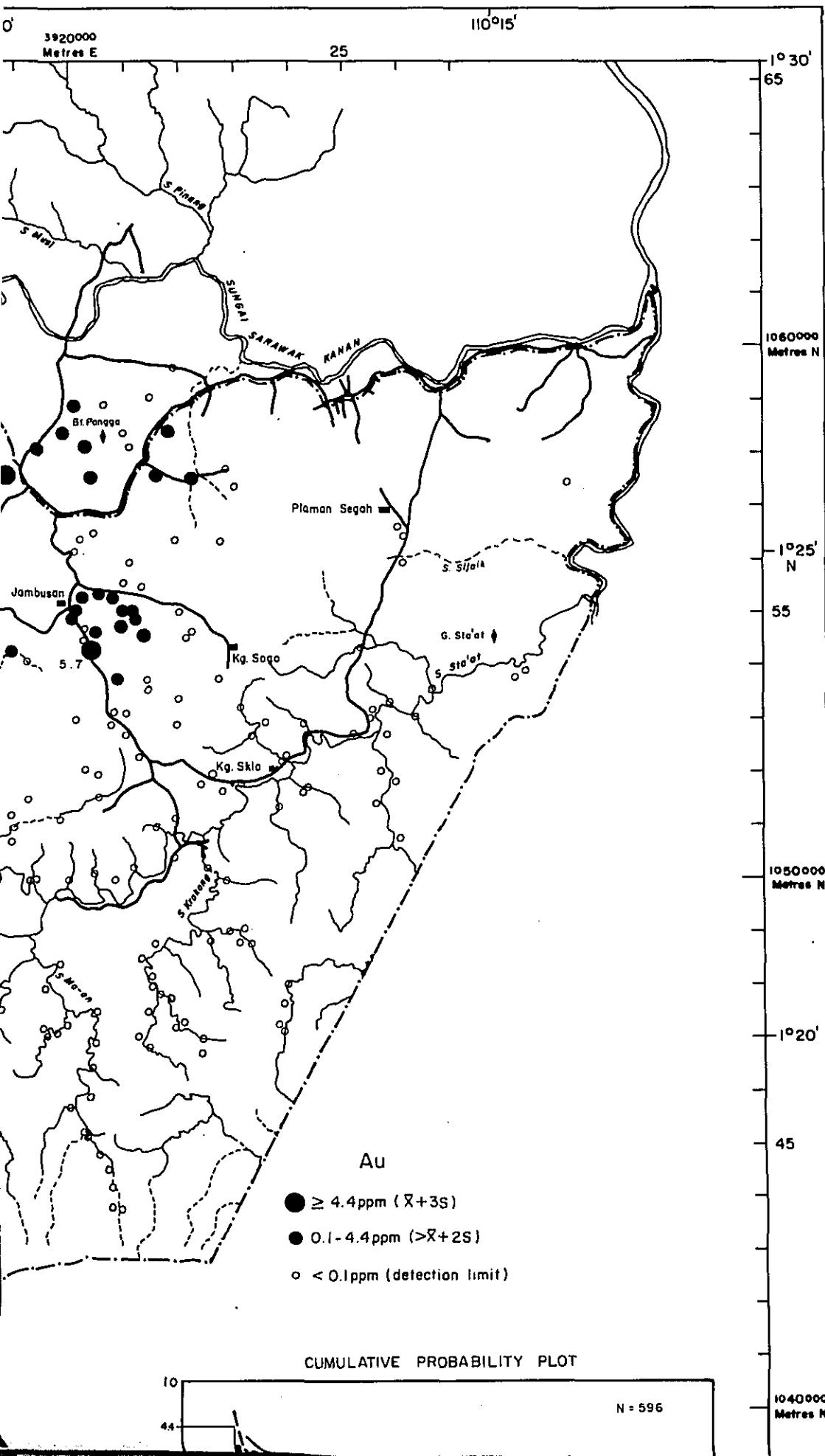


(1)

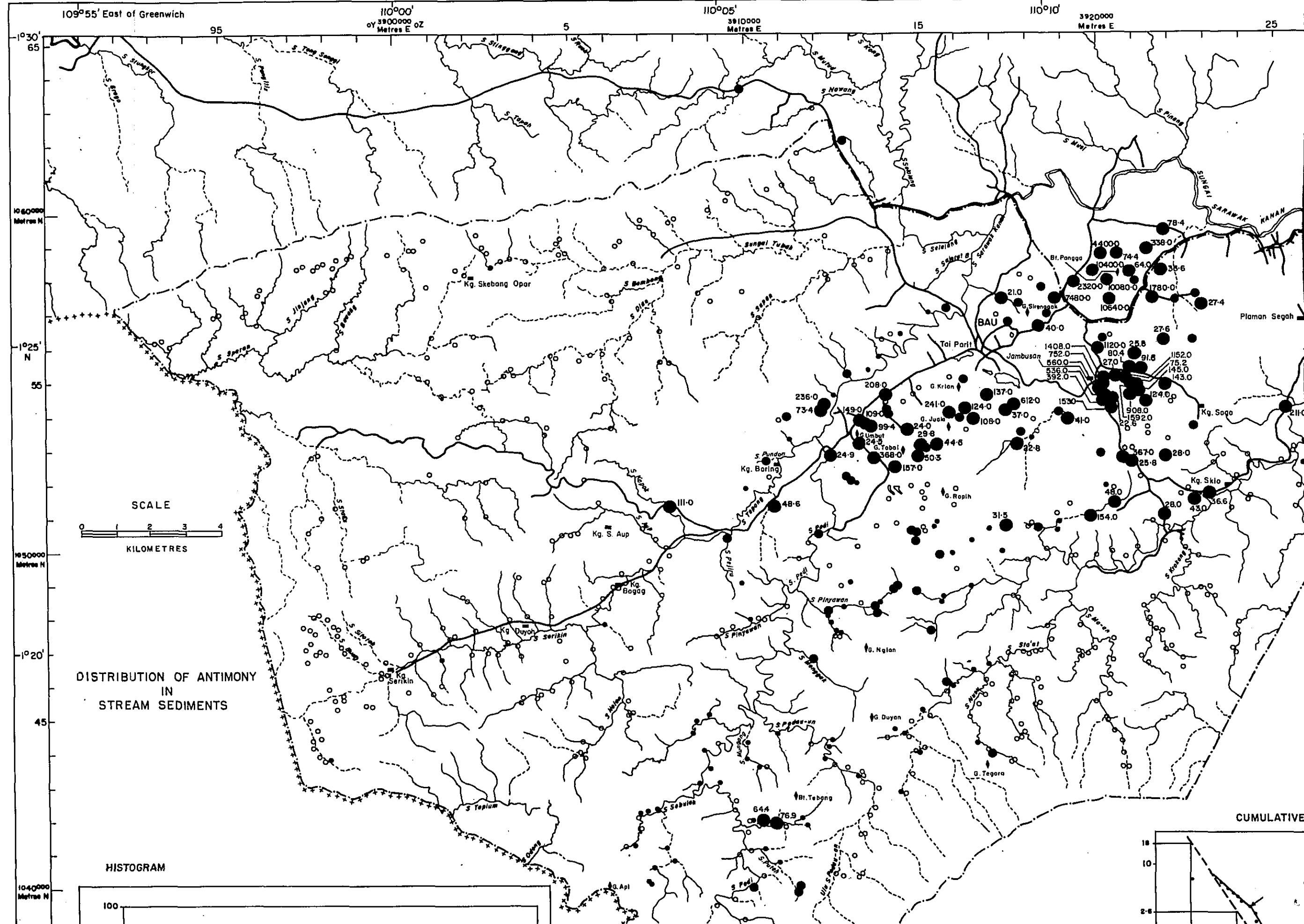


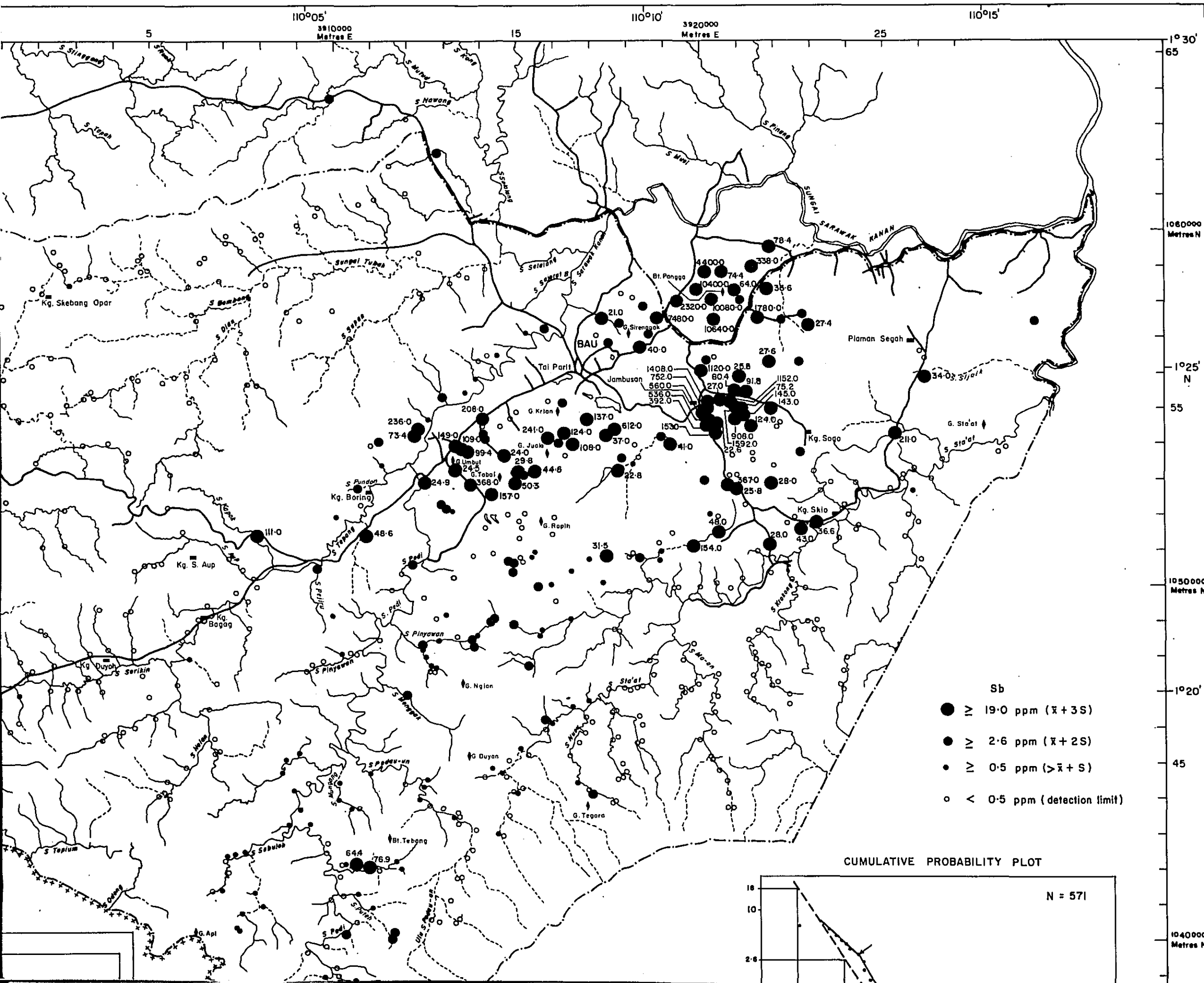
(2)



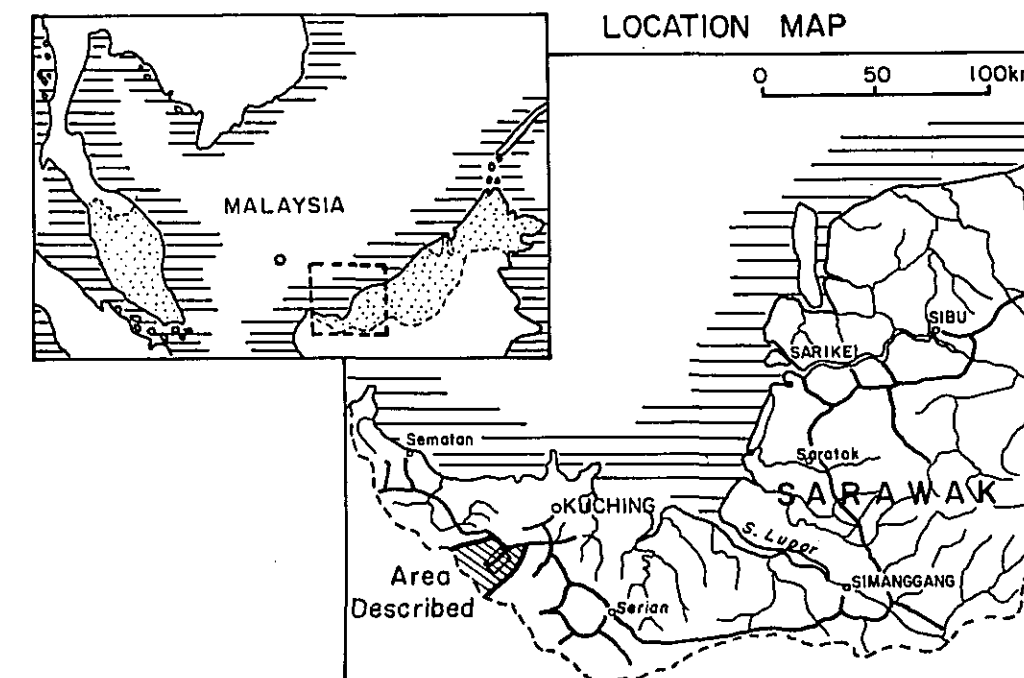


(2)

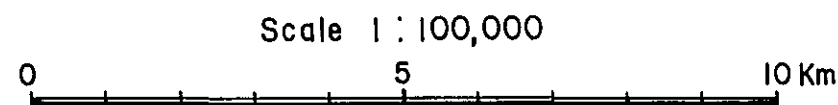




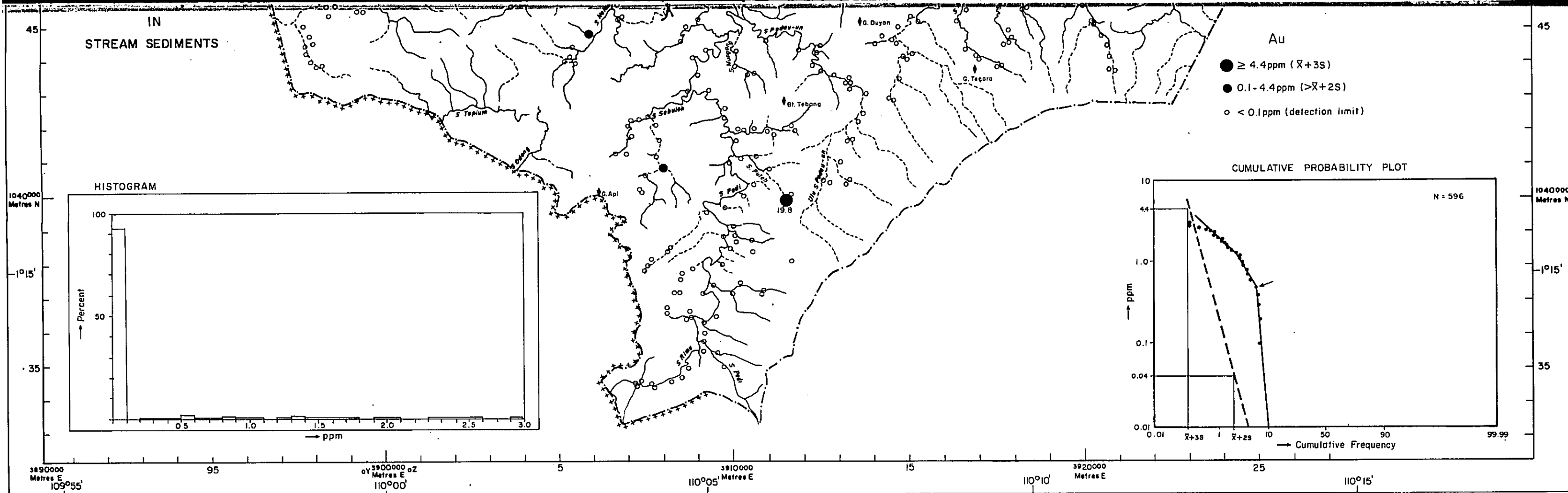
MINERAL EXPLORATION  
 BAU AREA  
 WEST SARAWAK, MALAYSIA  
 DISTRIBUTION OF Au, Sb, As, W  
 IN  
 STREAM SEDIMENTS



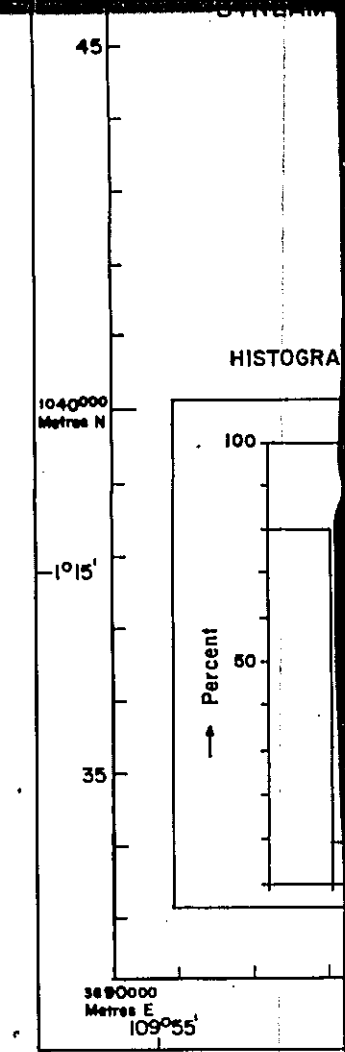
JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 GEOLOGICAL SURVEY OF MALAYSIA





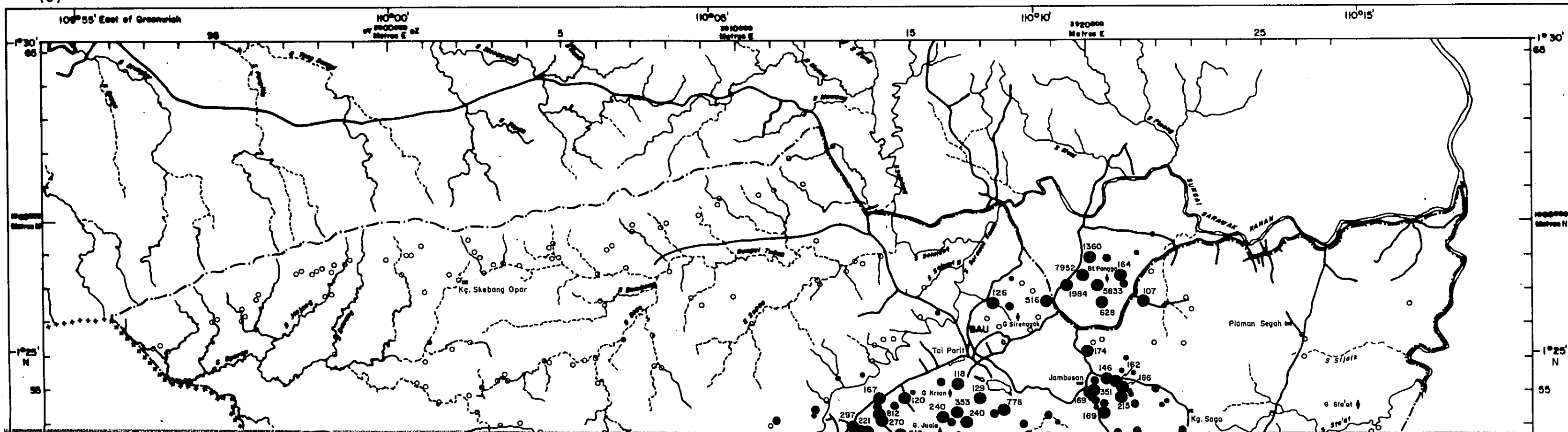


SM 1237/1/83

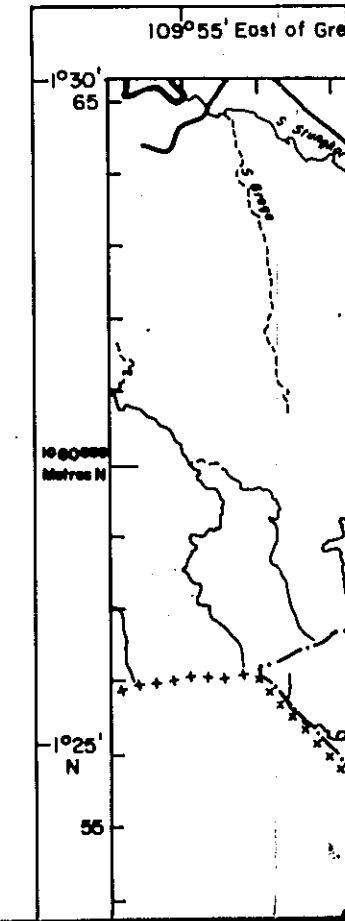


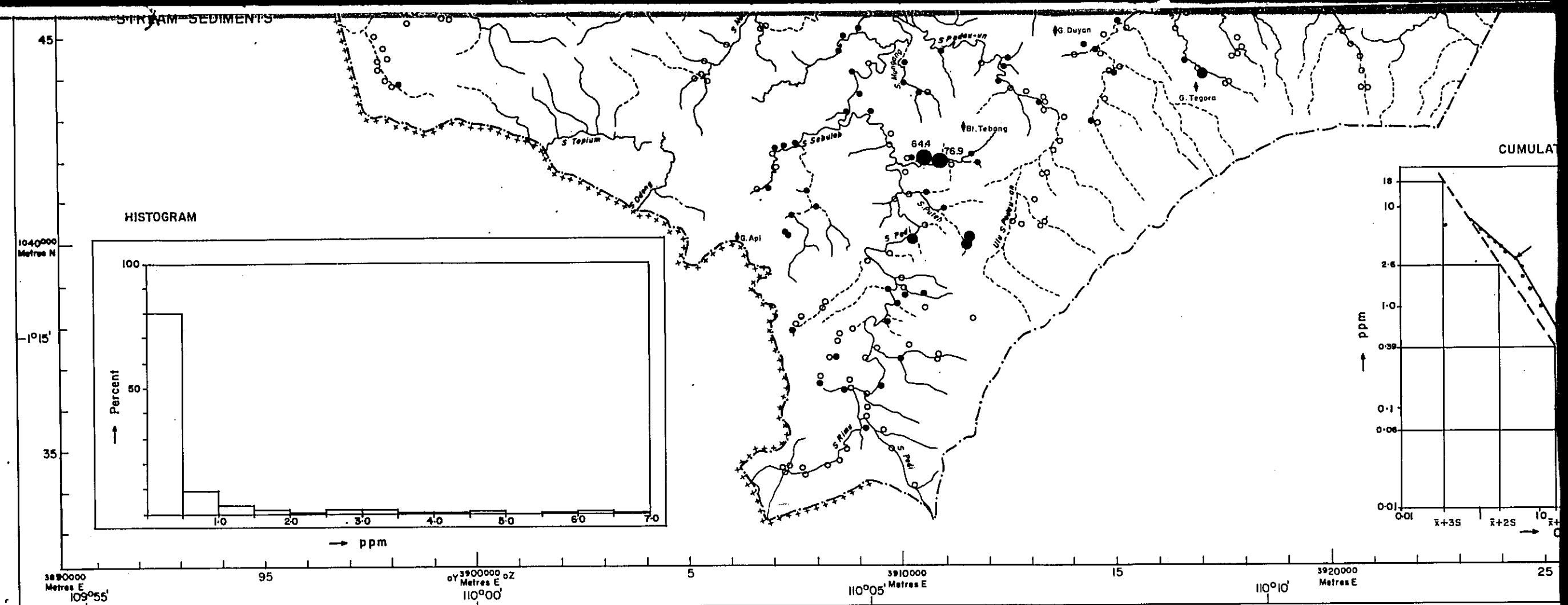
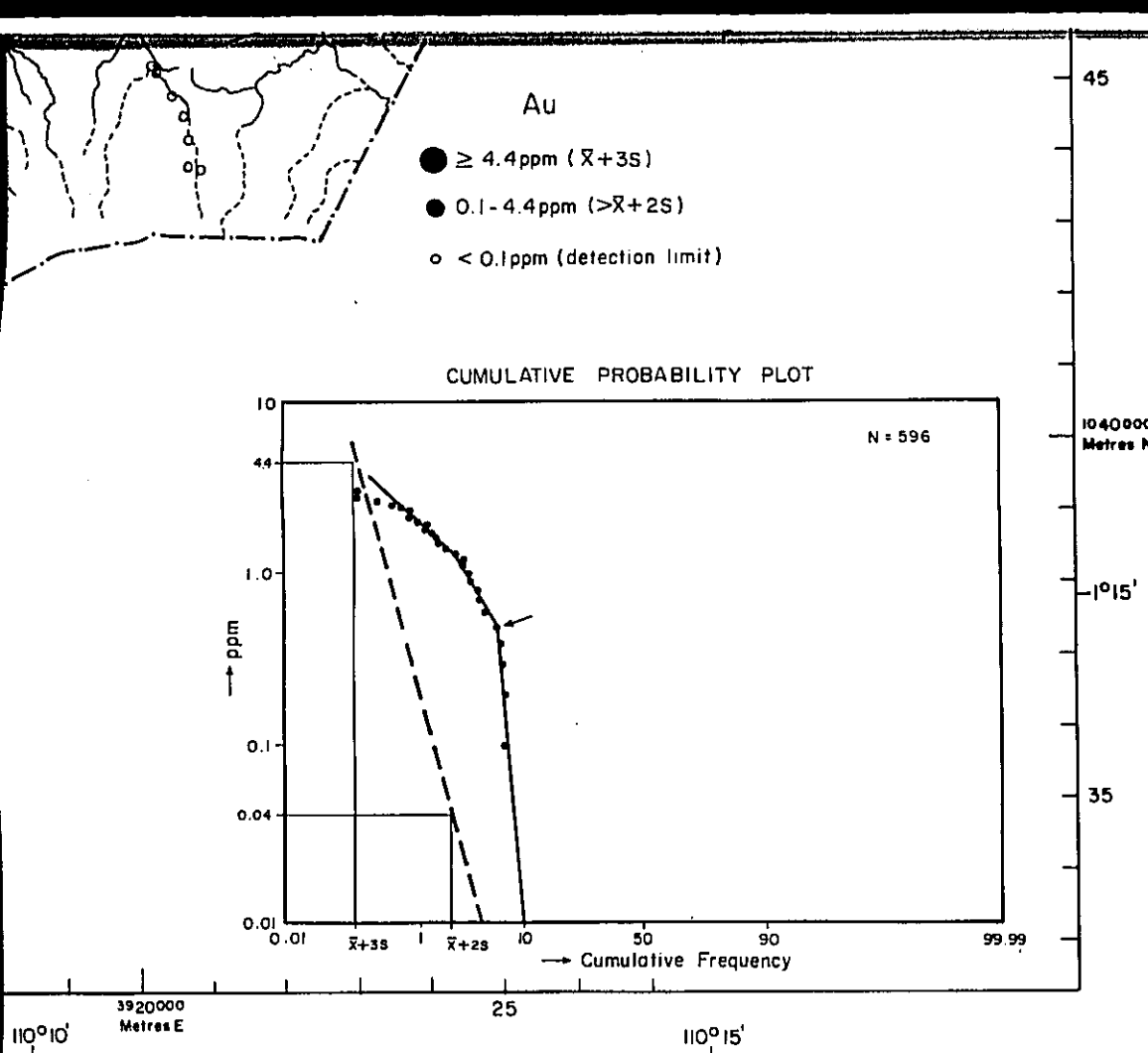
SM 1232/1/83

(3)

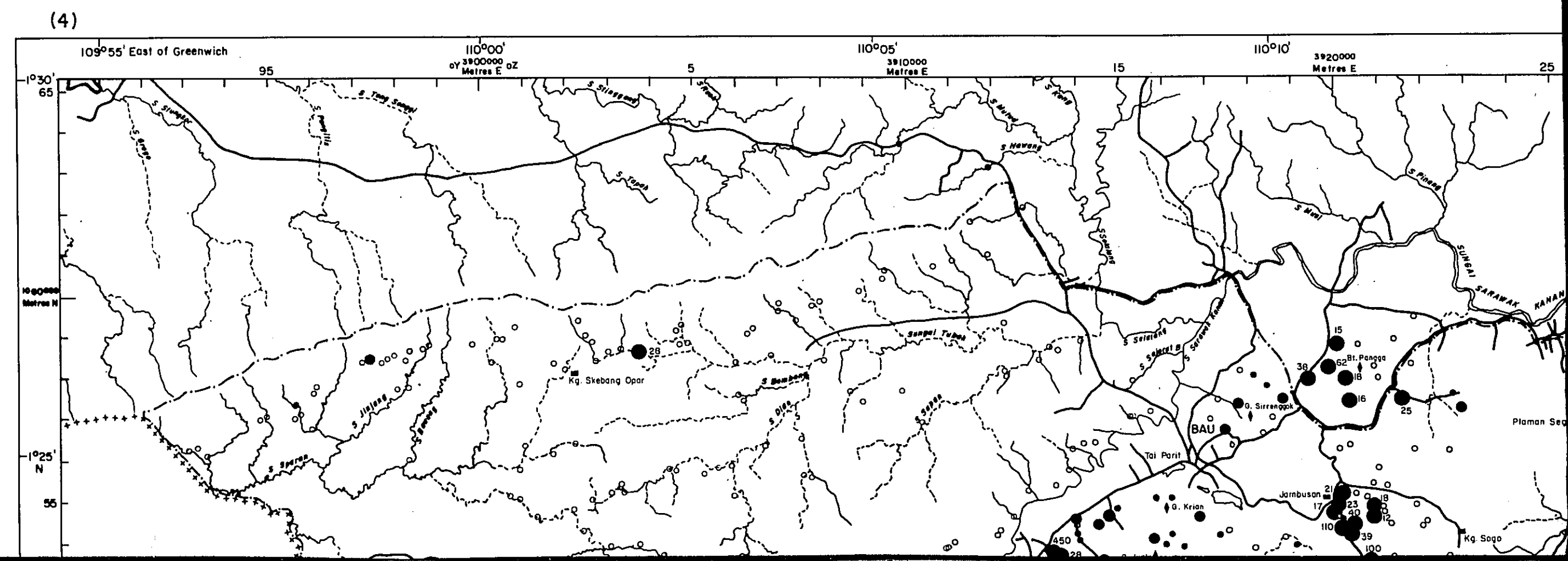
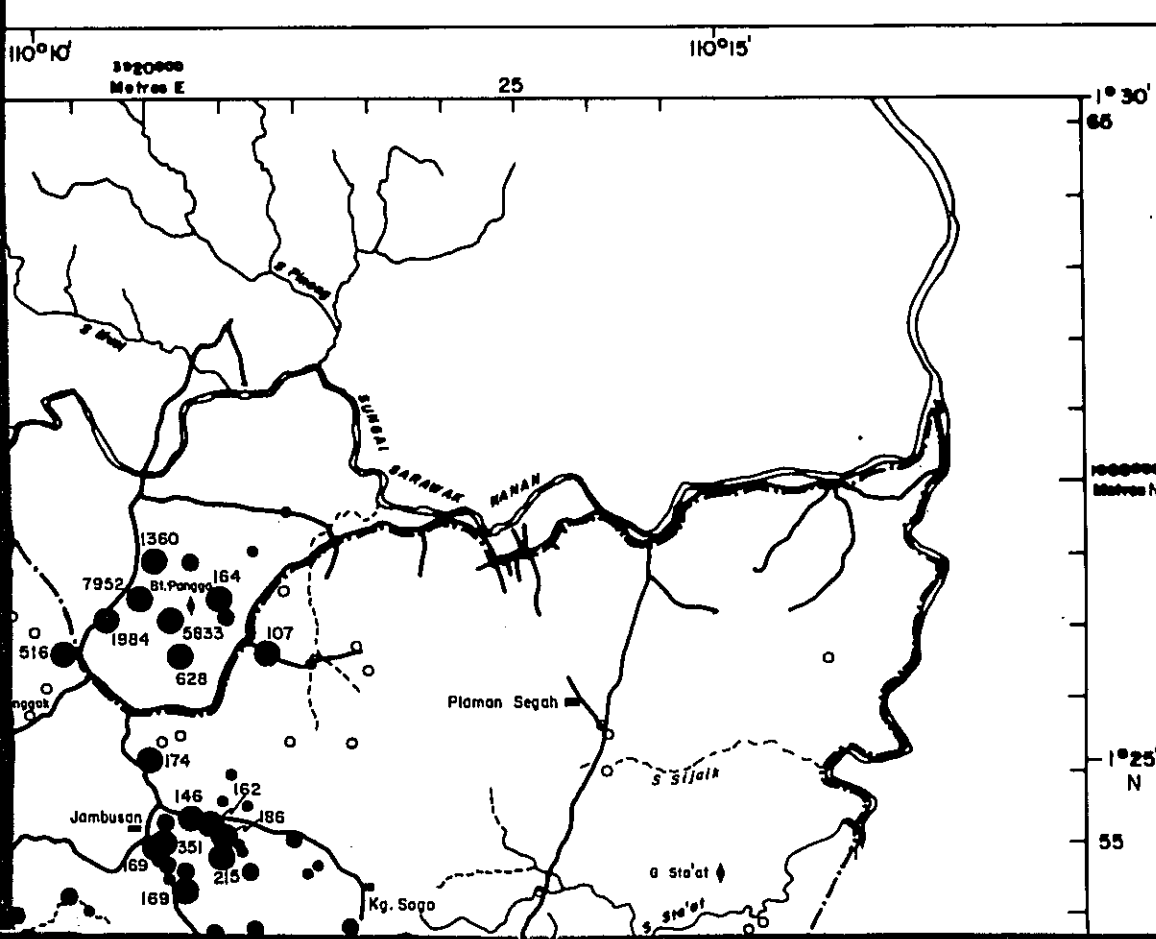


(4)

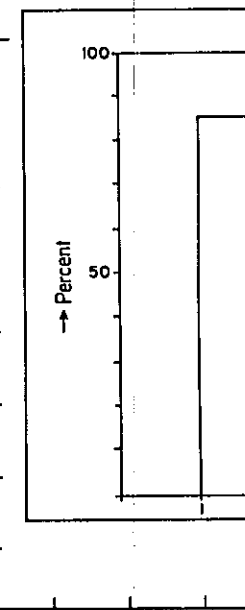
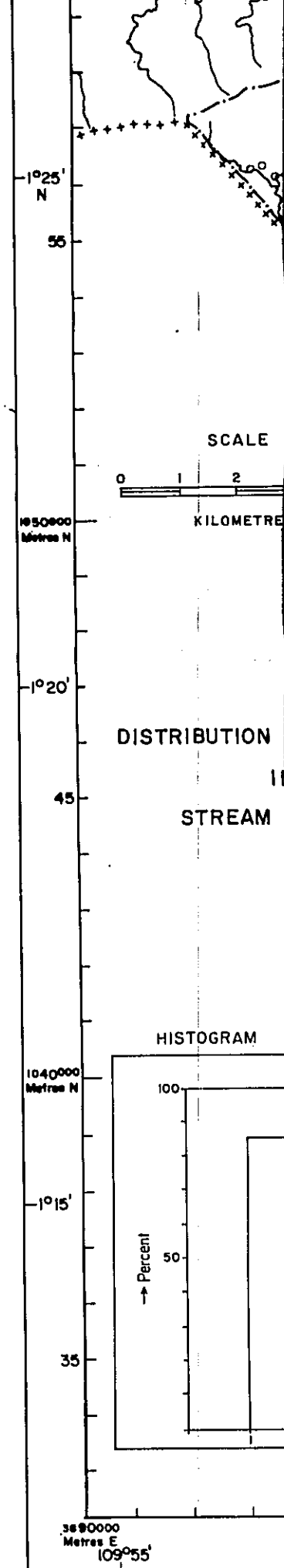
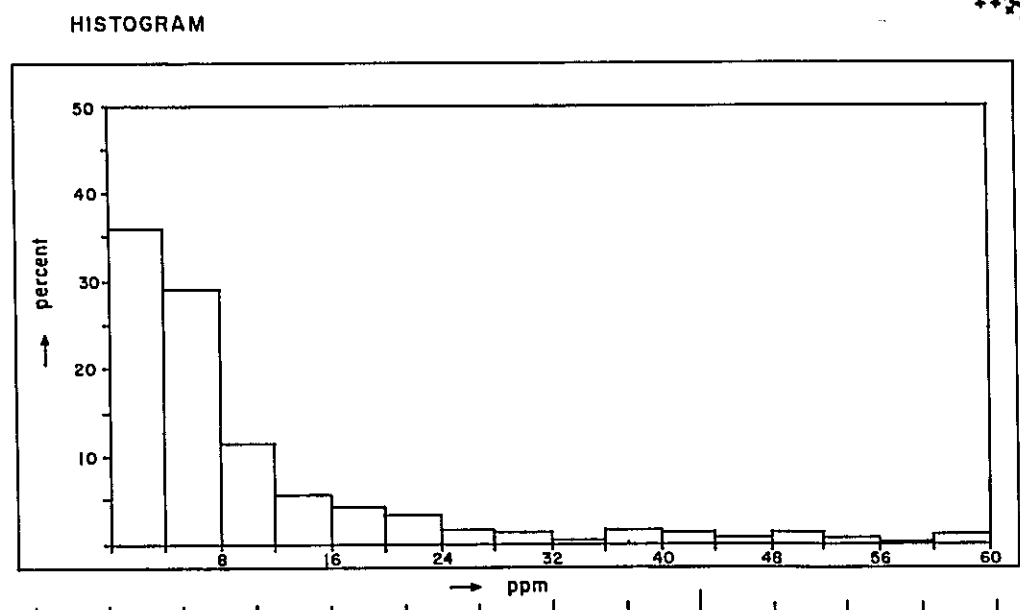
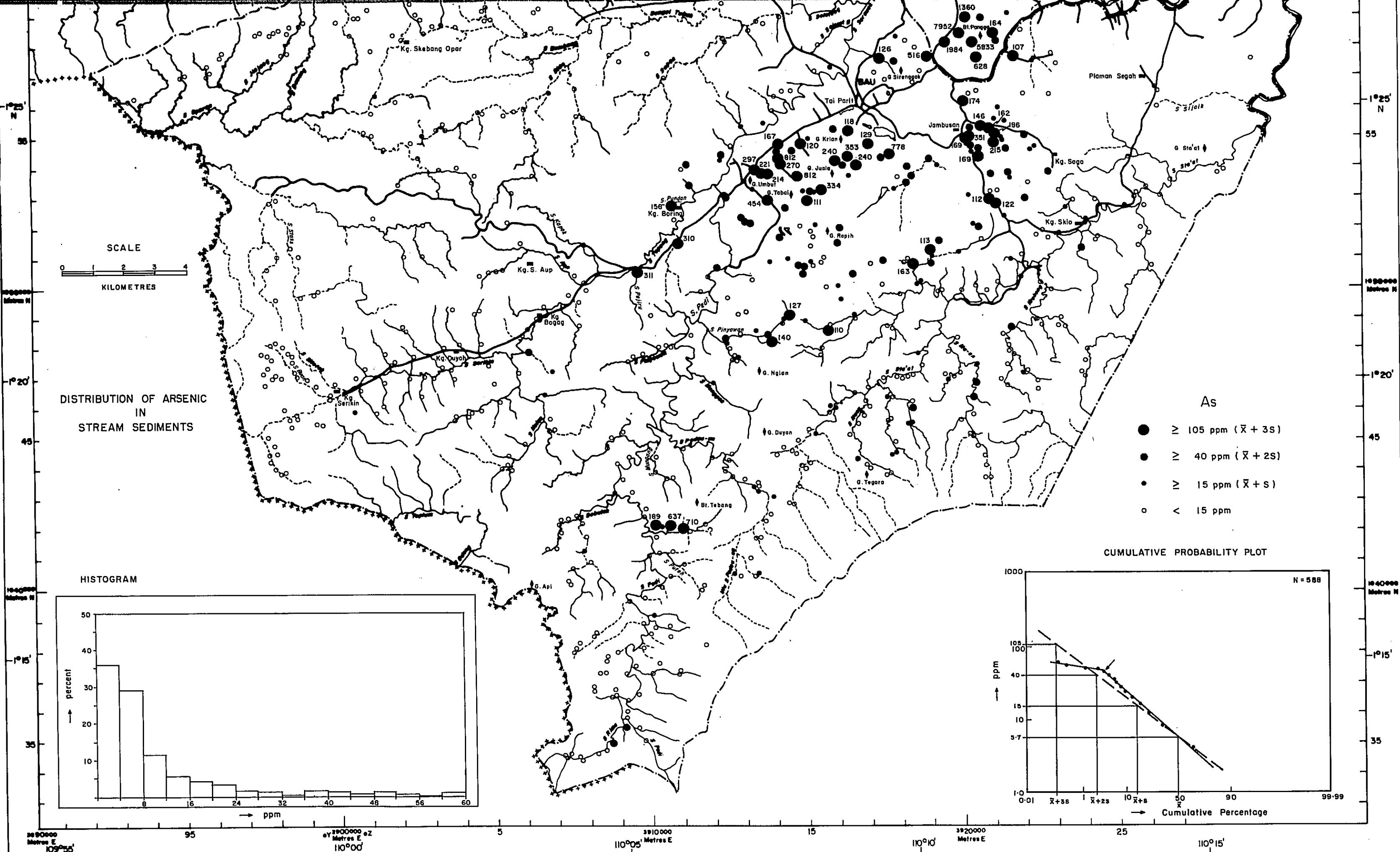


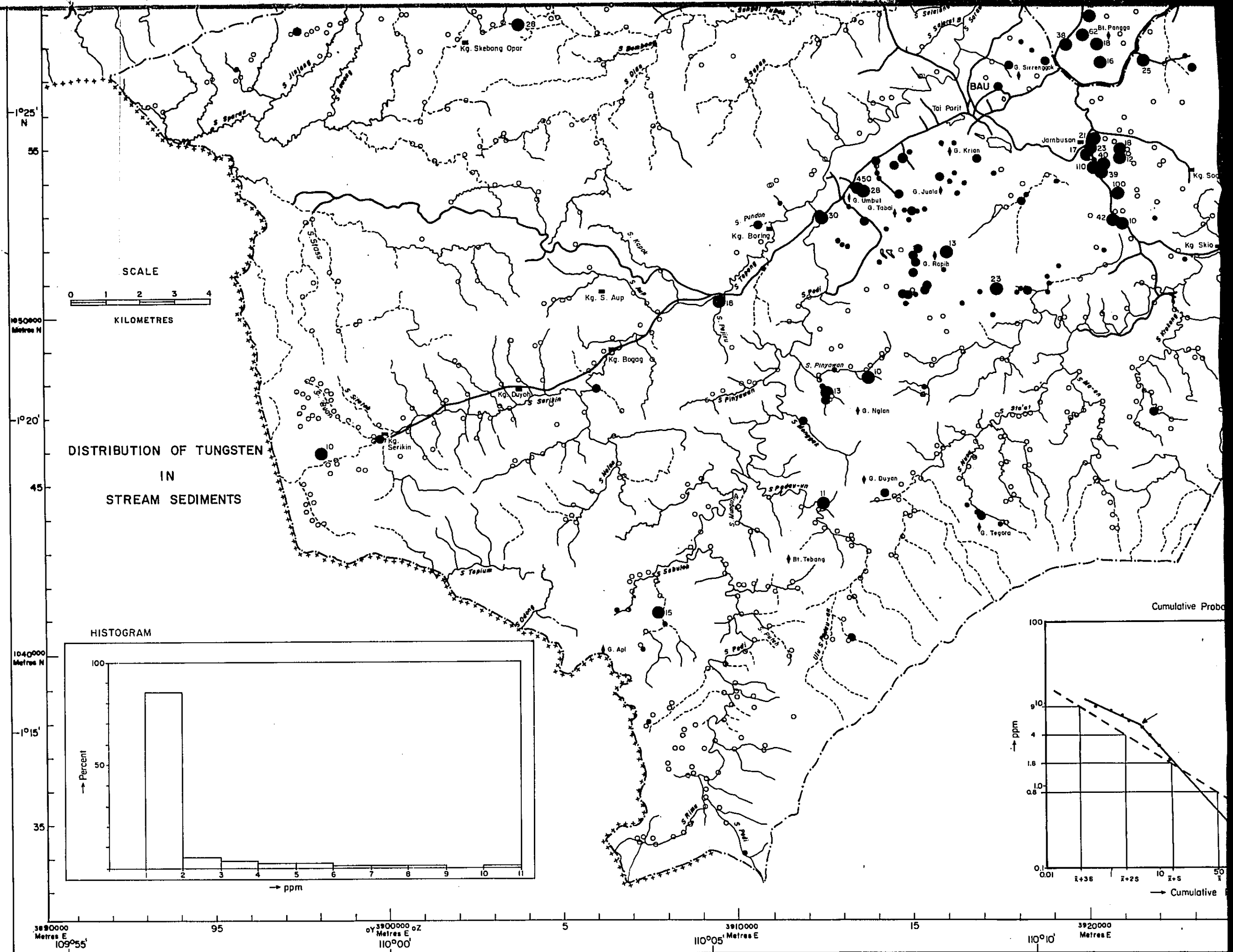
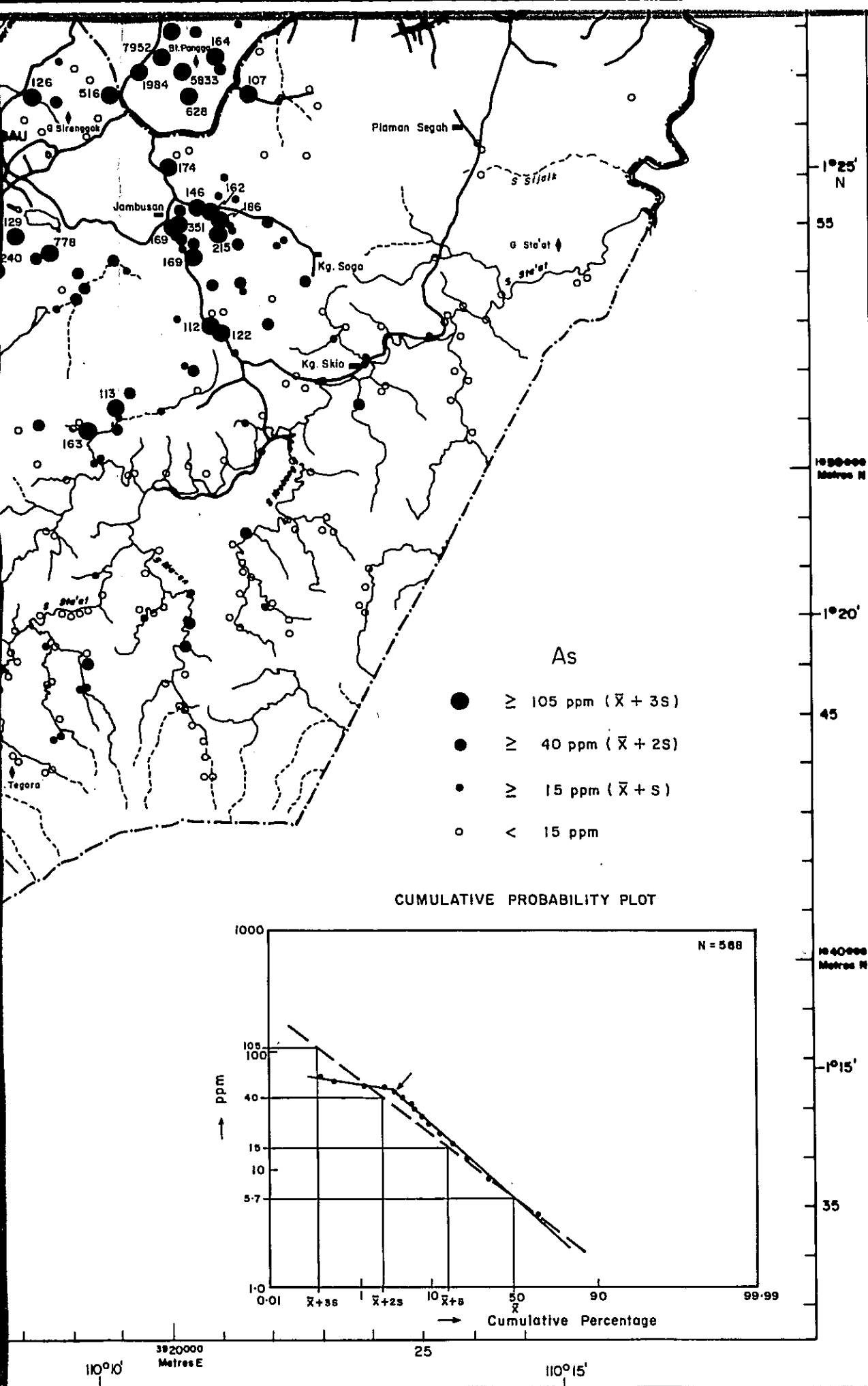


SM 1232/1/83

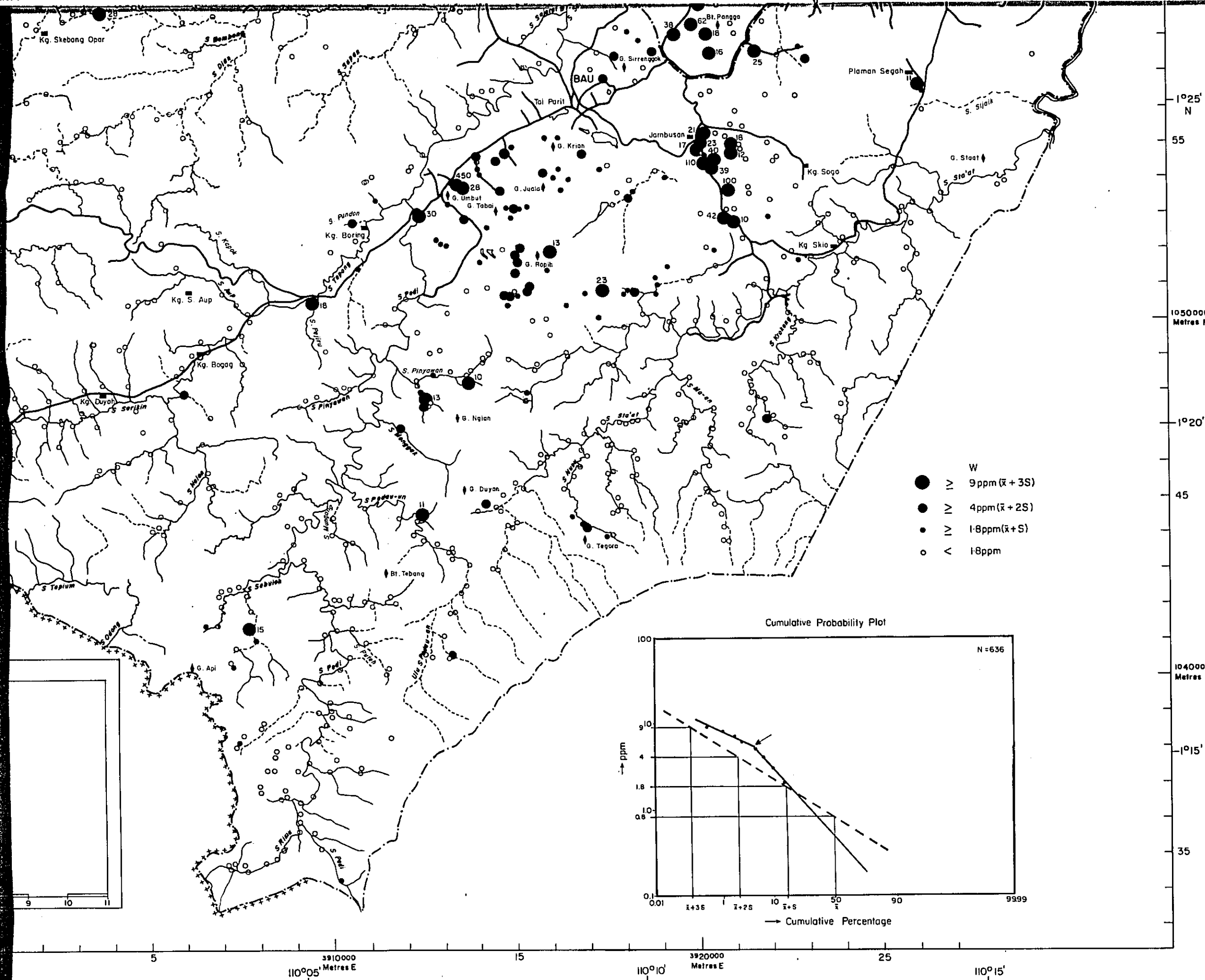




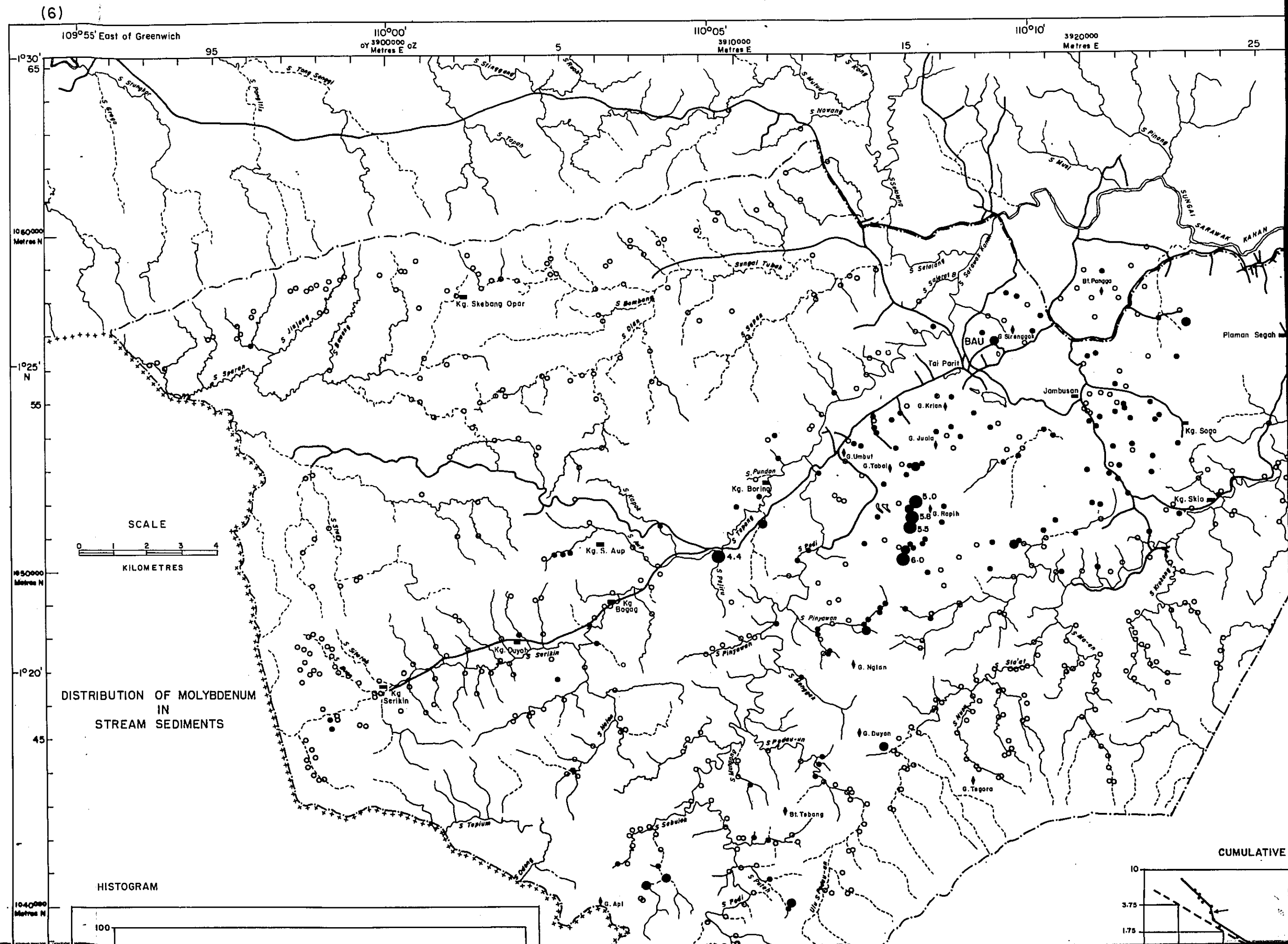
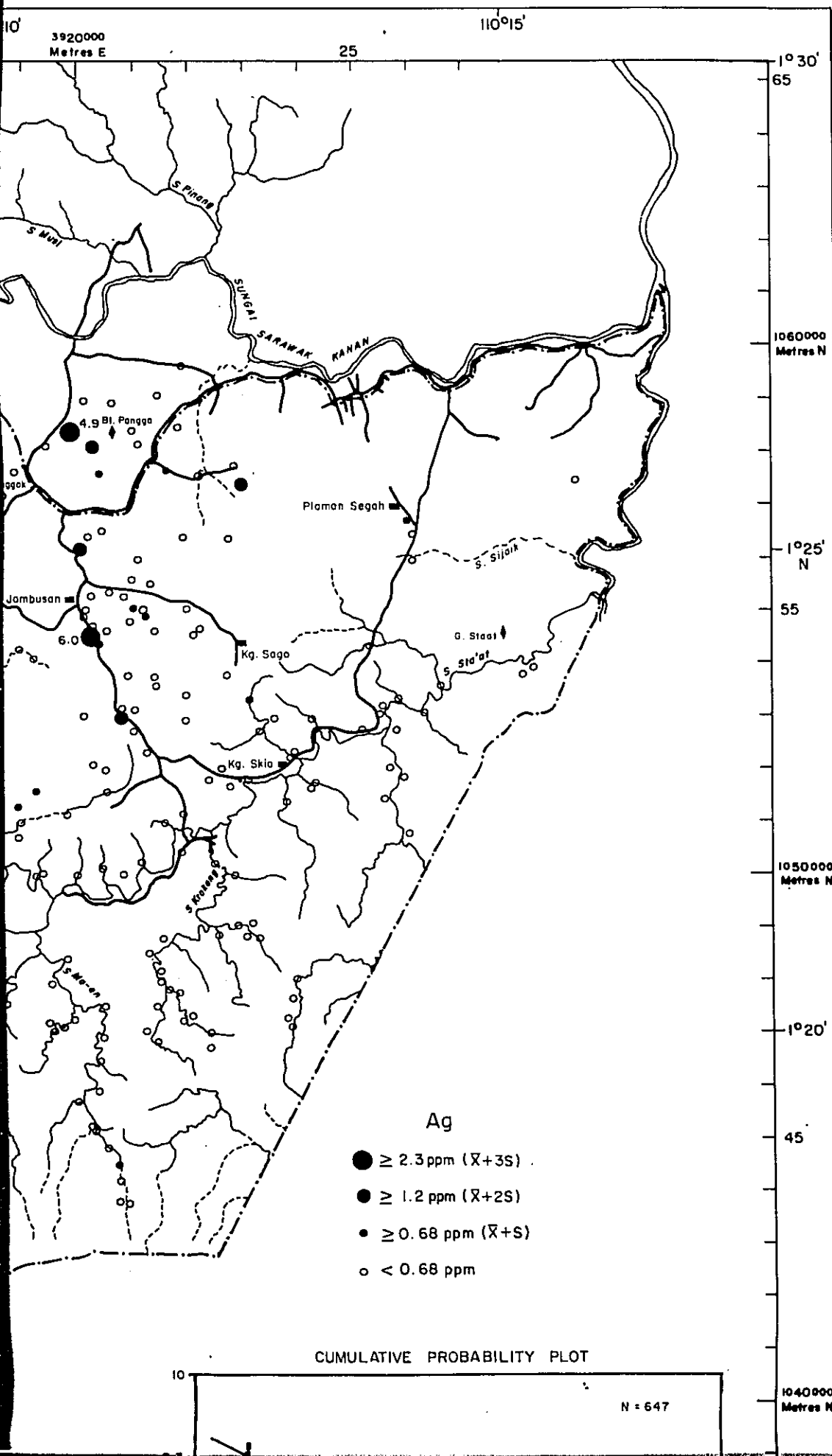






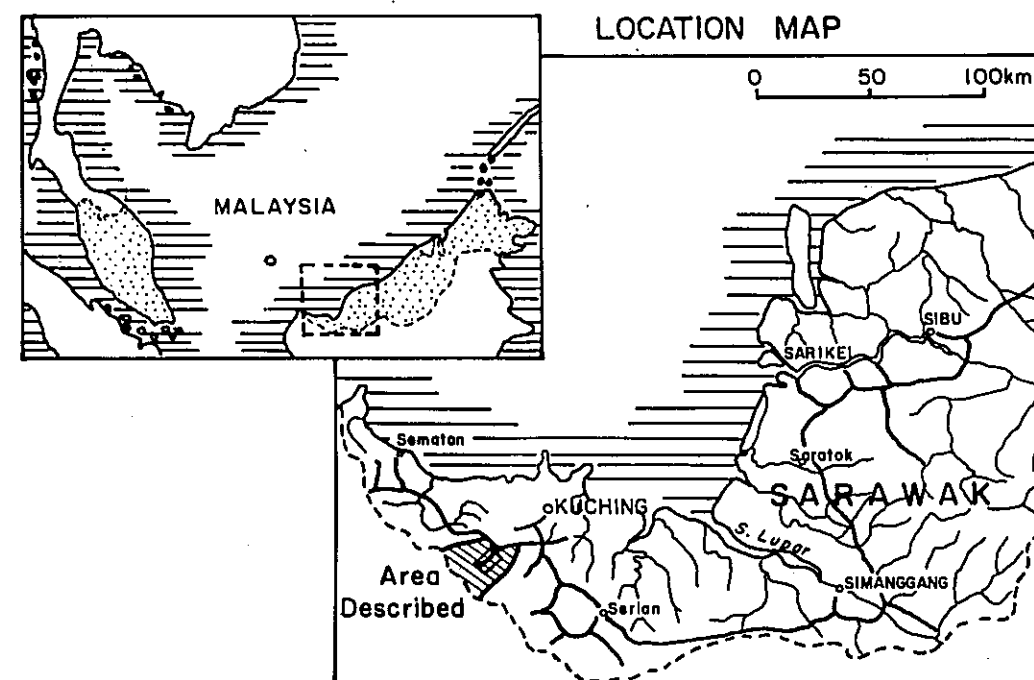






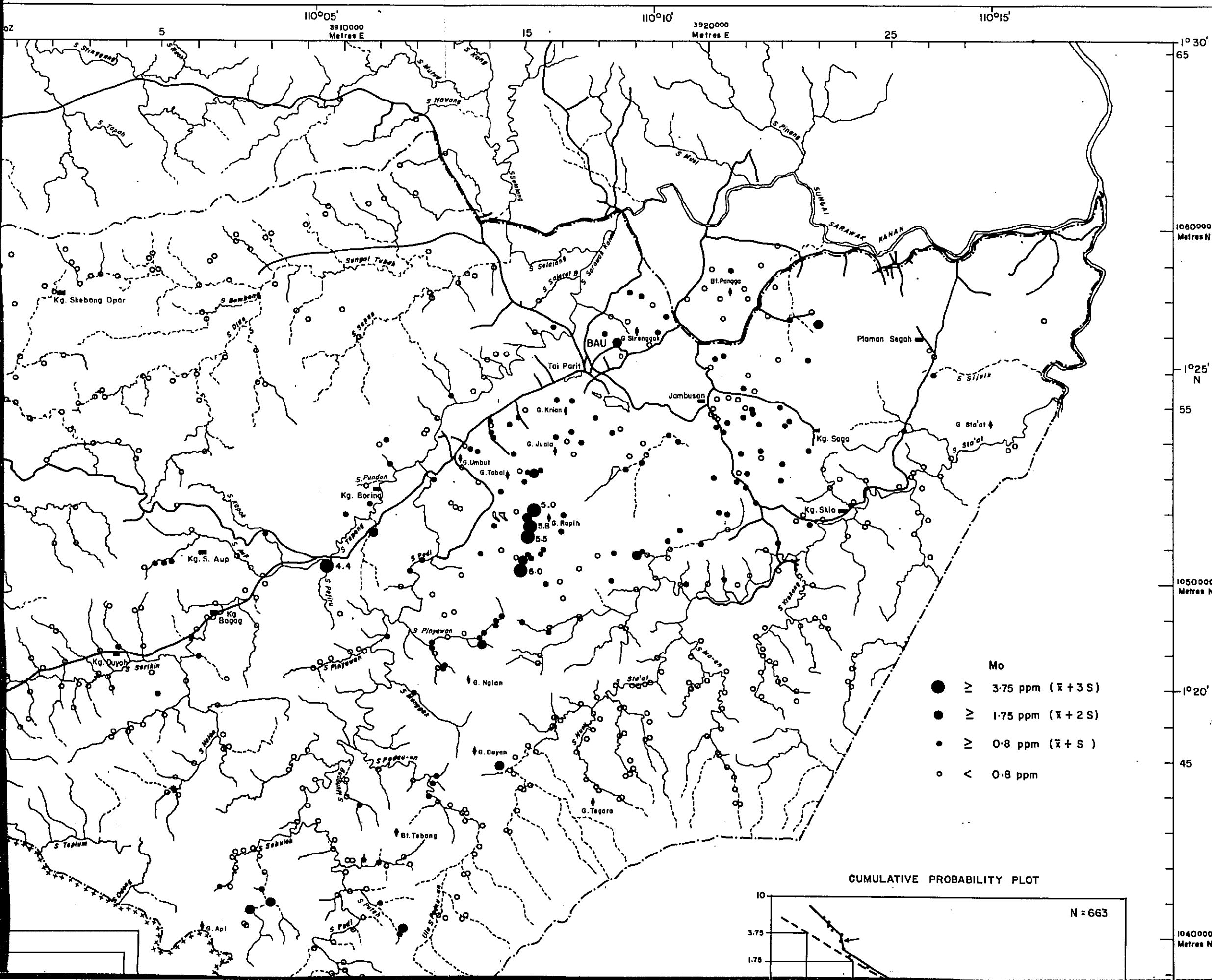


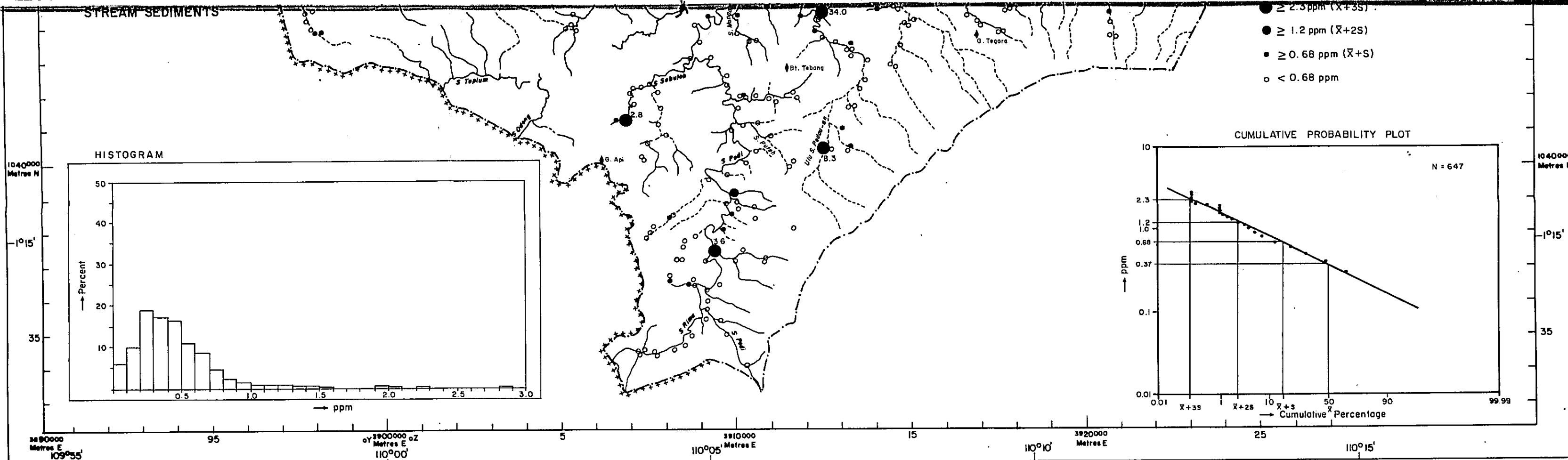
# MINERAL EXPLORATION BAU AREA WEST SARAWAK, MALAYSIA DISTRIBUTION OF Ag, Mo, Cu, Pb IN STREAM SEDIMENTS



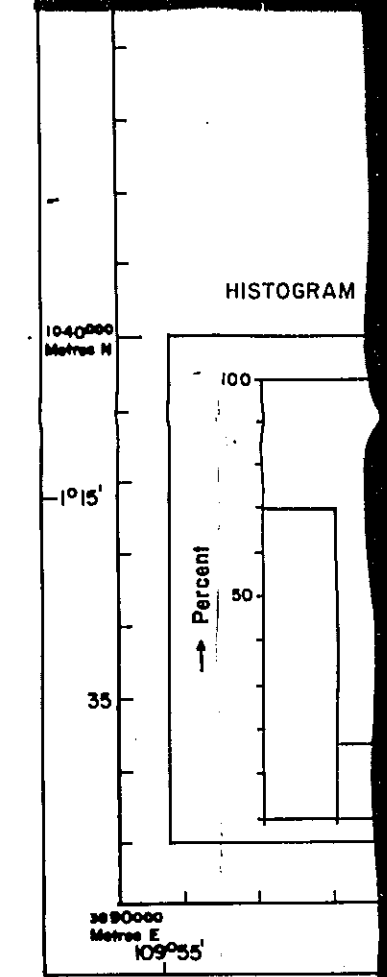
JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
GEOLOGICAL SURVEY OF MALAYSIA

Scale 1 : 100,000  
0 5 10 Km



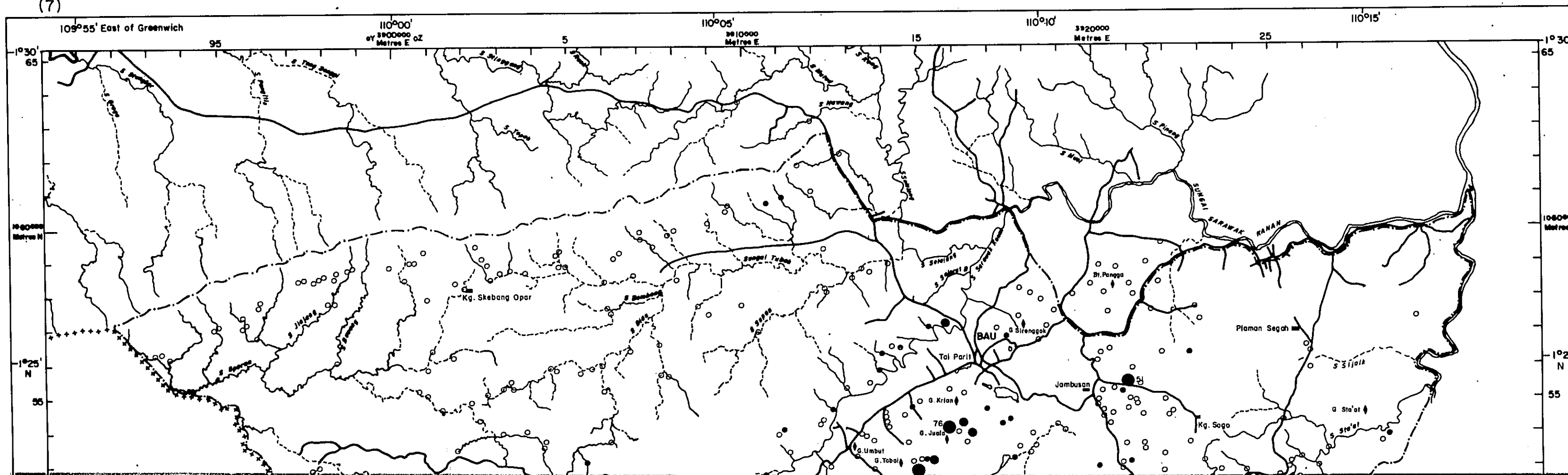


SM 1238/1/83

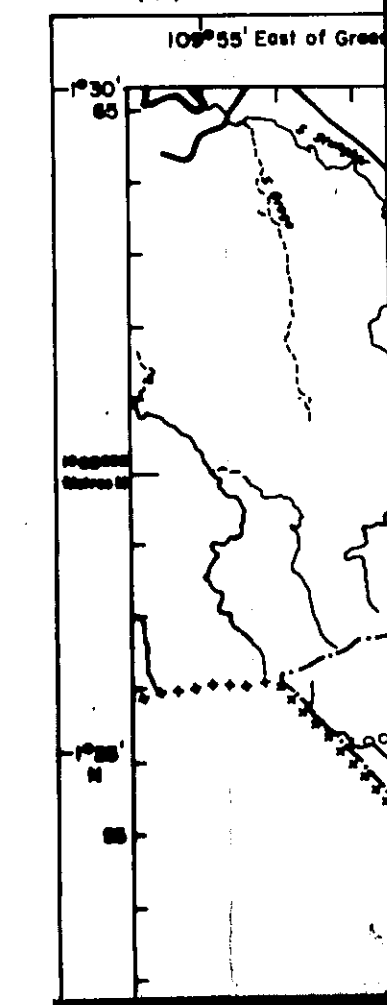


SM 1229/1/83

(7)



(8)

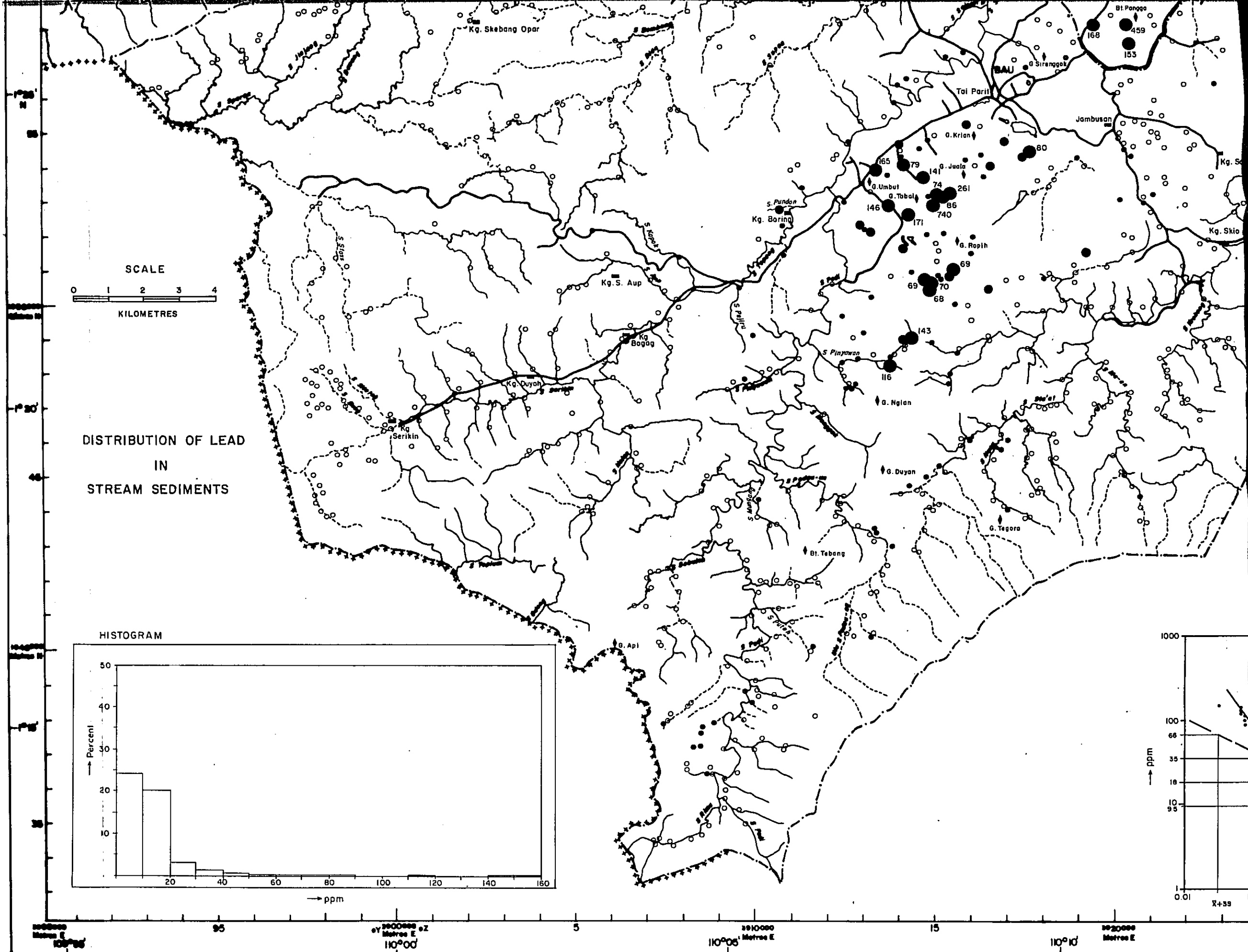
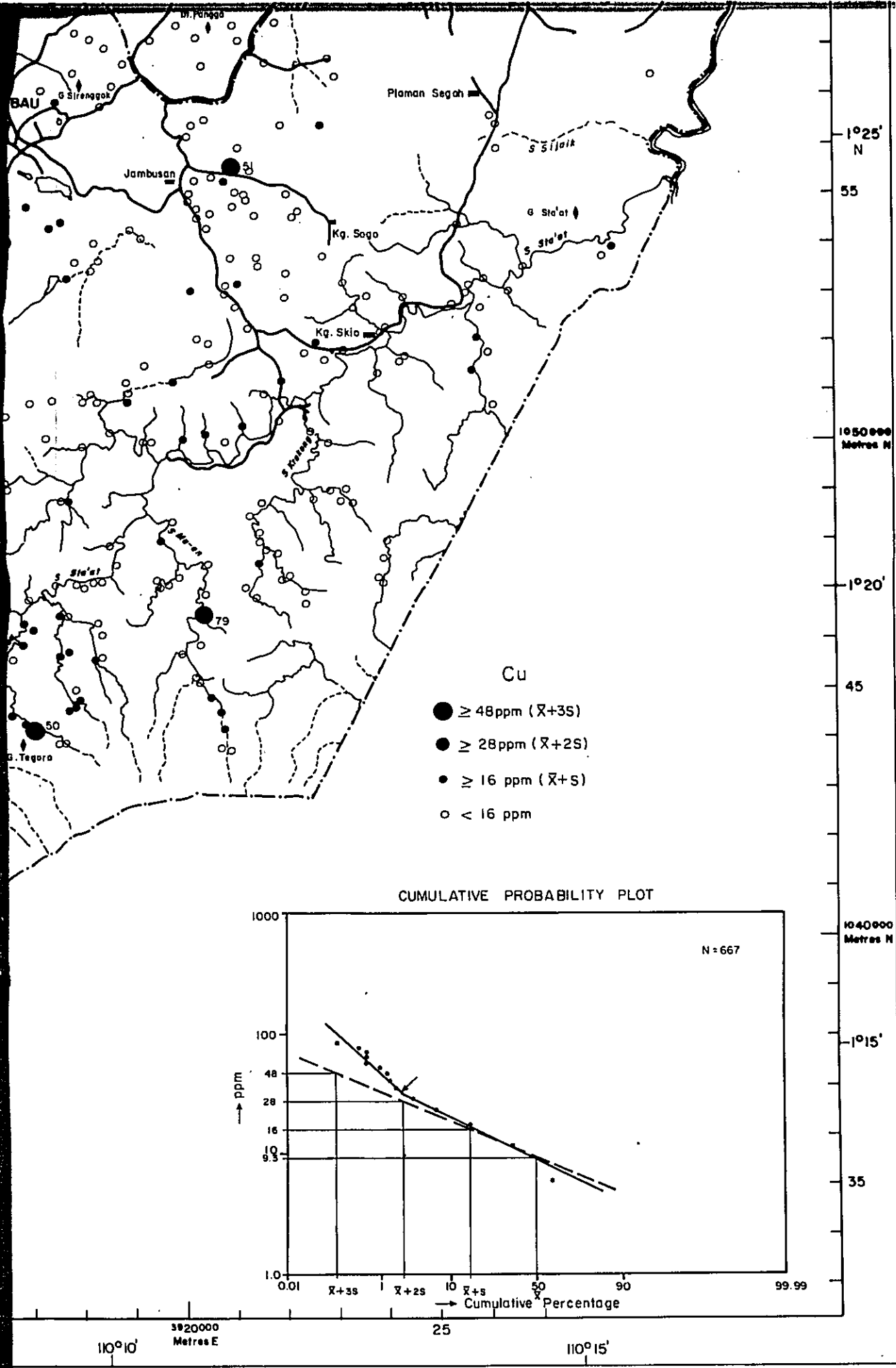




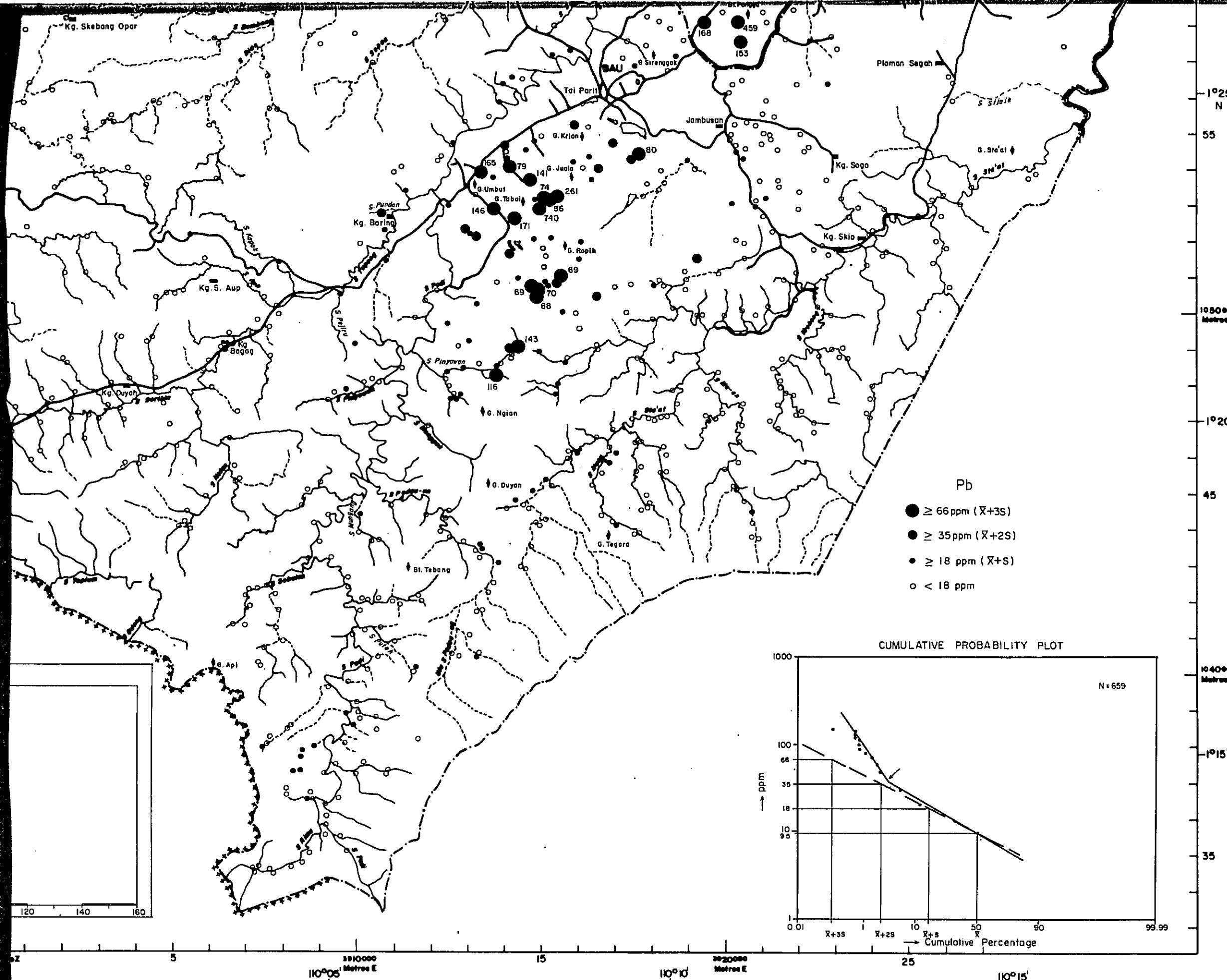








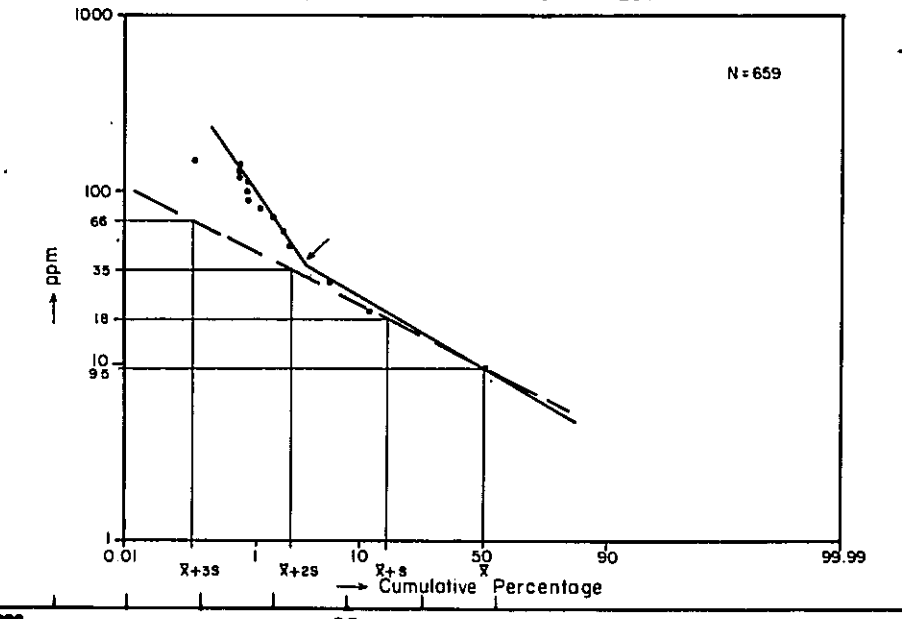




Pb

- $\geq 66$  ppm ( $\bar{X}+3S$ )
- $\geq 35$  ppm ( $\bar{X}+2S$ )
- $\geq 18$  ppm ( $\bar{X}+S$ )
- $< 18$  ppm

CUMULATIVE PROBABILITY PLOT



1°25' N  
55  
1050000 Metres N  
1°20'  
45  
1040000 Metres N  
1°15'  
35

110°05' Metres E 5 10 15 20 25 110°10' Metres E 110°15'