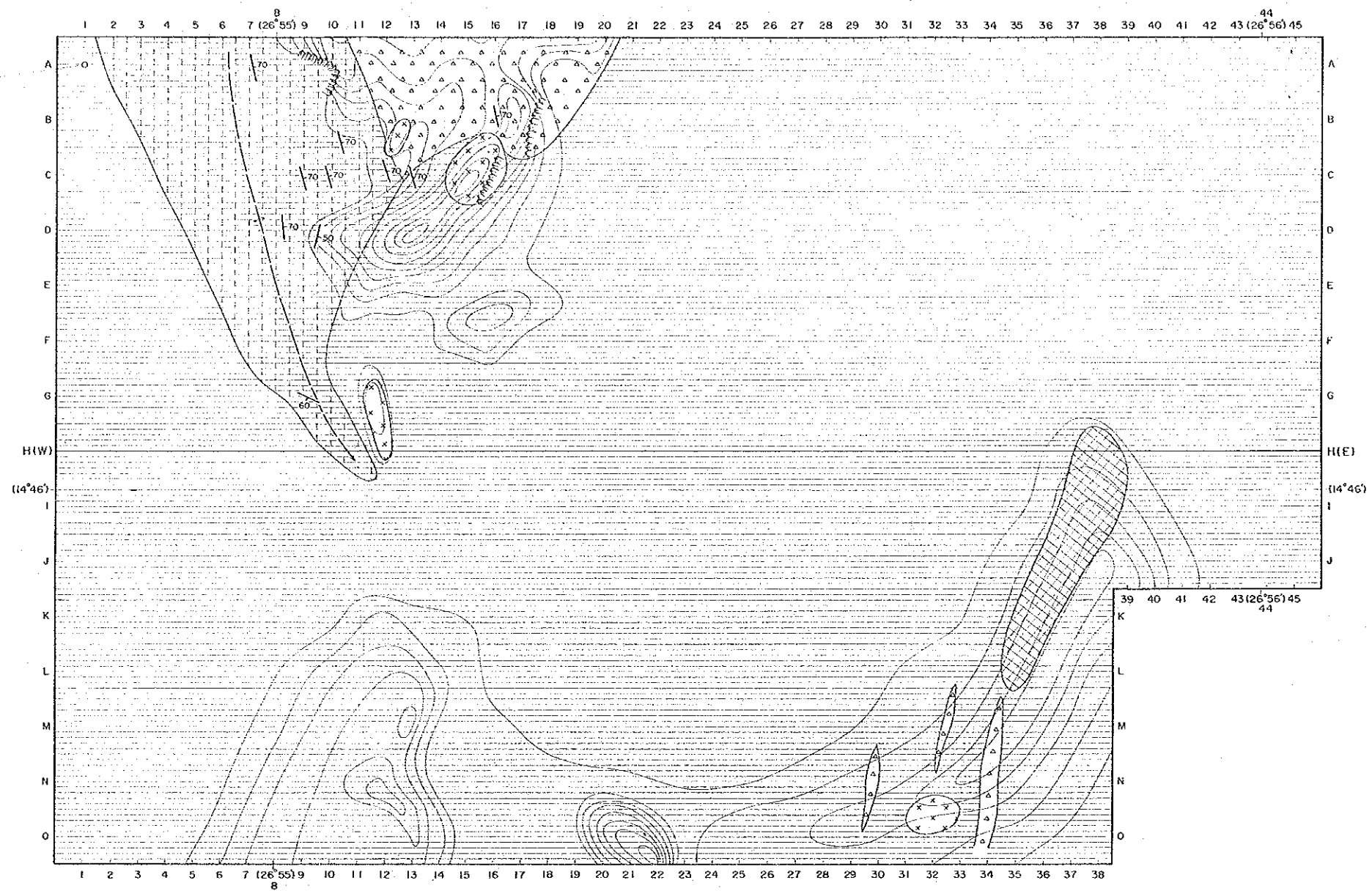
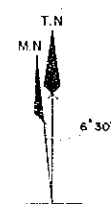
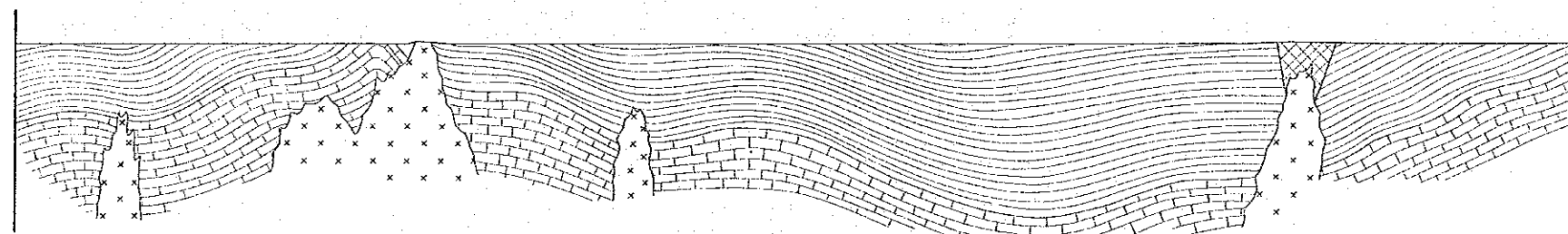


N82°E (T.N) 825m

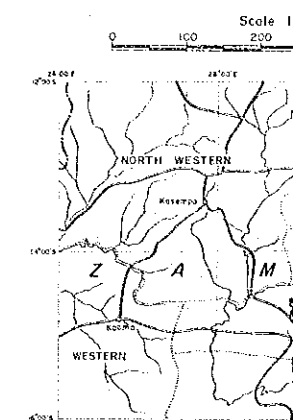


H(W) - H(E)



REPORT ON THE MINING
OF KARENDA AREA, THE
PHANOM

GEOLOGICAL MAP OF



FEBRUAR

JAPAN INTERNATIONAL
METAL MINING AG

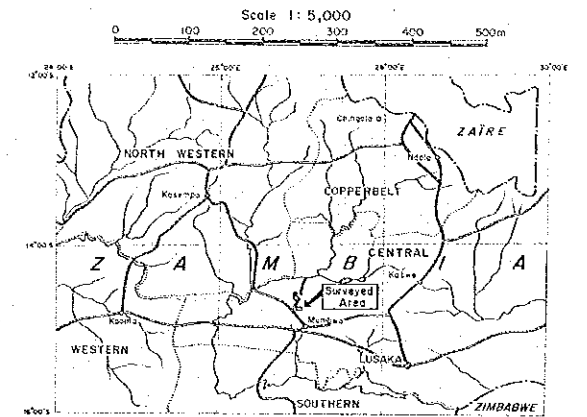
LEGEND

- Shale with intercalated limestone
- Bedded limestone with shale
- Syenites (intrusive)
- Iron oxides (Magnetite)
- Brecciated part
- Contour line (2m interval)

REPORT ON THE MINERAL EXPLORATION
OF KARENDA AREA, THE REPUBLIC OF ZAMBIA
PHASE II

国際協力機構
15114
図書資料収録書

GEOLOGICAL MAP OF THE SURVEYED AREA



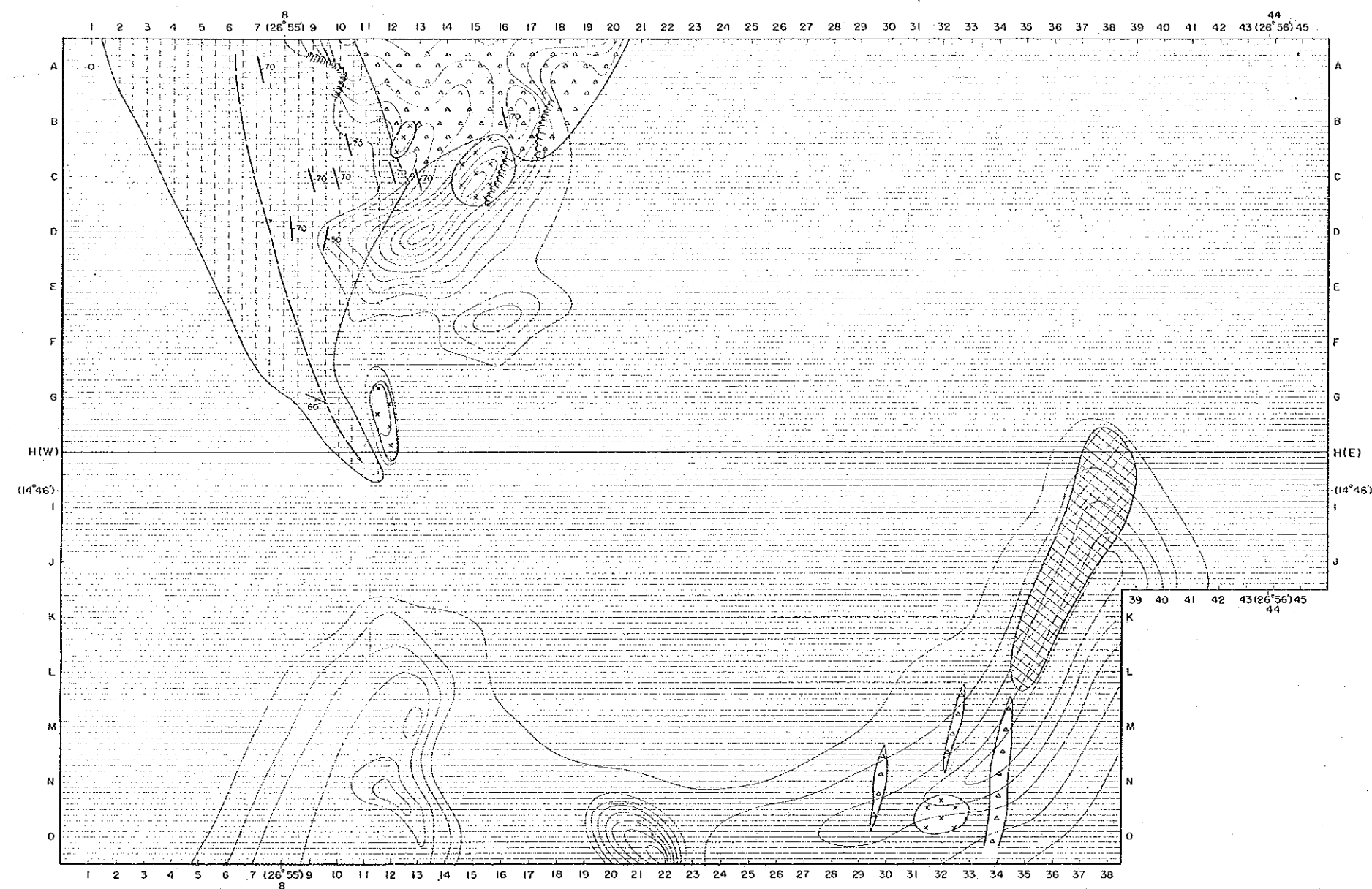
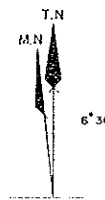
FEBRUARY 1966

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

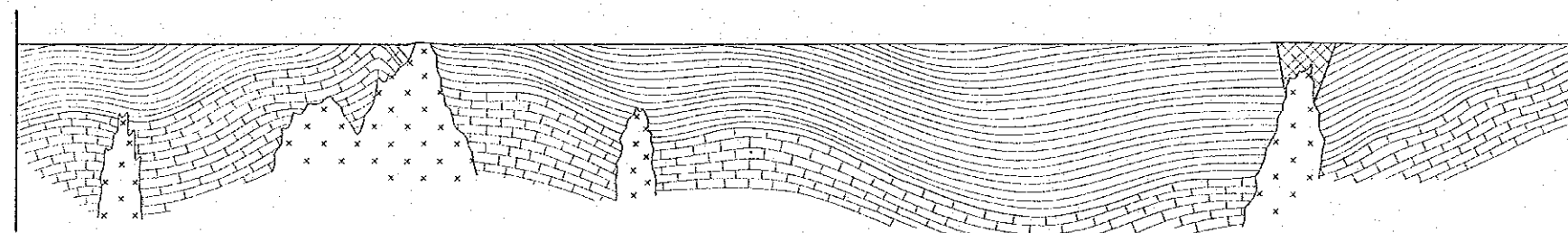
LEGEND

- Shale with intercalated metasandstone and limestone
- Bedded limestone with intercalated metasediments
- Syenites (intrusive)
- Iron oxides (Magnetite - Hematite)
- Brecciated part
- Contour line (2m interval)

No. 1 (84)
N82°E (T.N) 825m



H(W) - H(E)

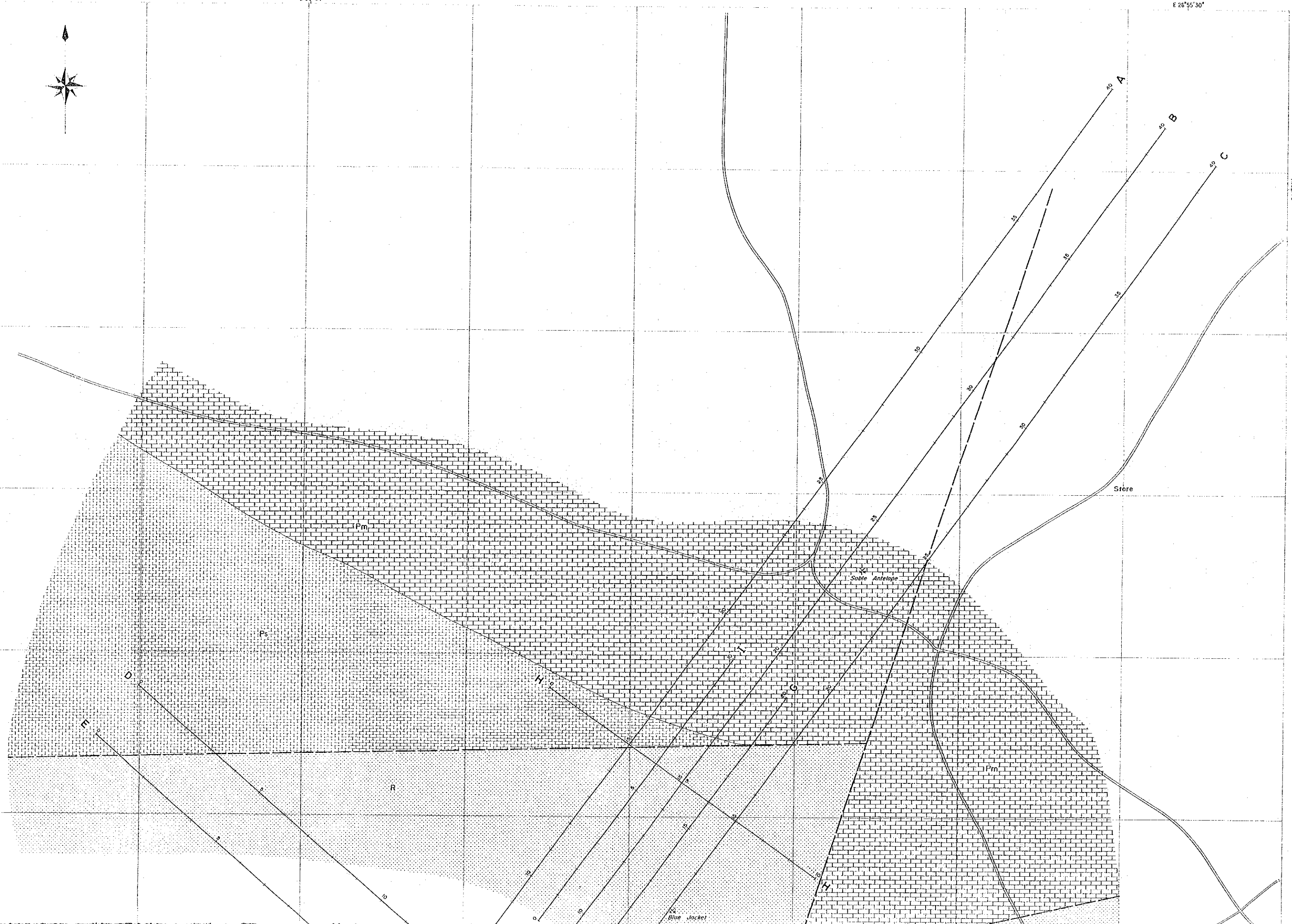


E 26° 54'

E 26° 55' 30"

S 14° 37'

S 14° 37'



REPUBLIC OF KARE

Geolog
Explor
Drilling

JAPAN M



E 26°54'

E 26°55'30"

S 14°37'

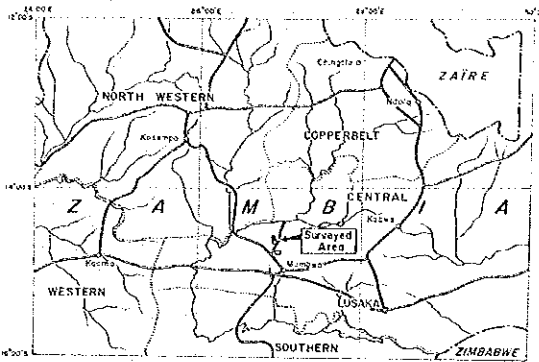
REPORT ON THE MINERAL EXPLORATION
OF KARENDA AREA, THE REPUBLIC OF ZAMBIA
PHASE II

PL. 2

国際協力事業団
1514号
国営資源調査隊

LOCATION MAP OF IP AND
SIP SURVEY LINES

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



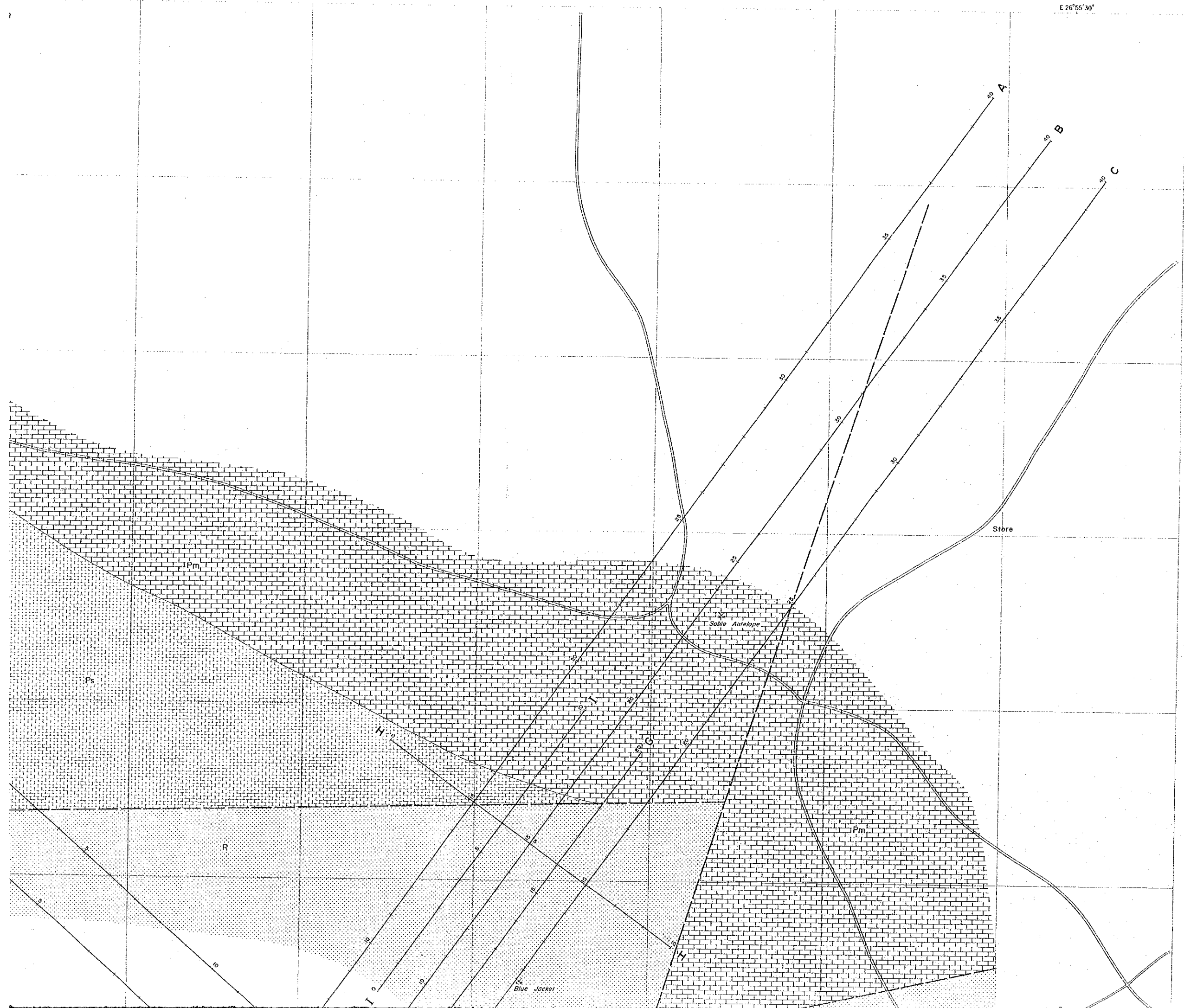
Geological and Geochemical Exploration
Drilling Exploration
Geophysical Exploration

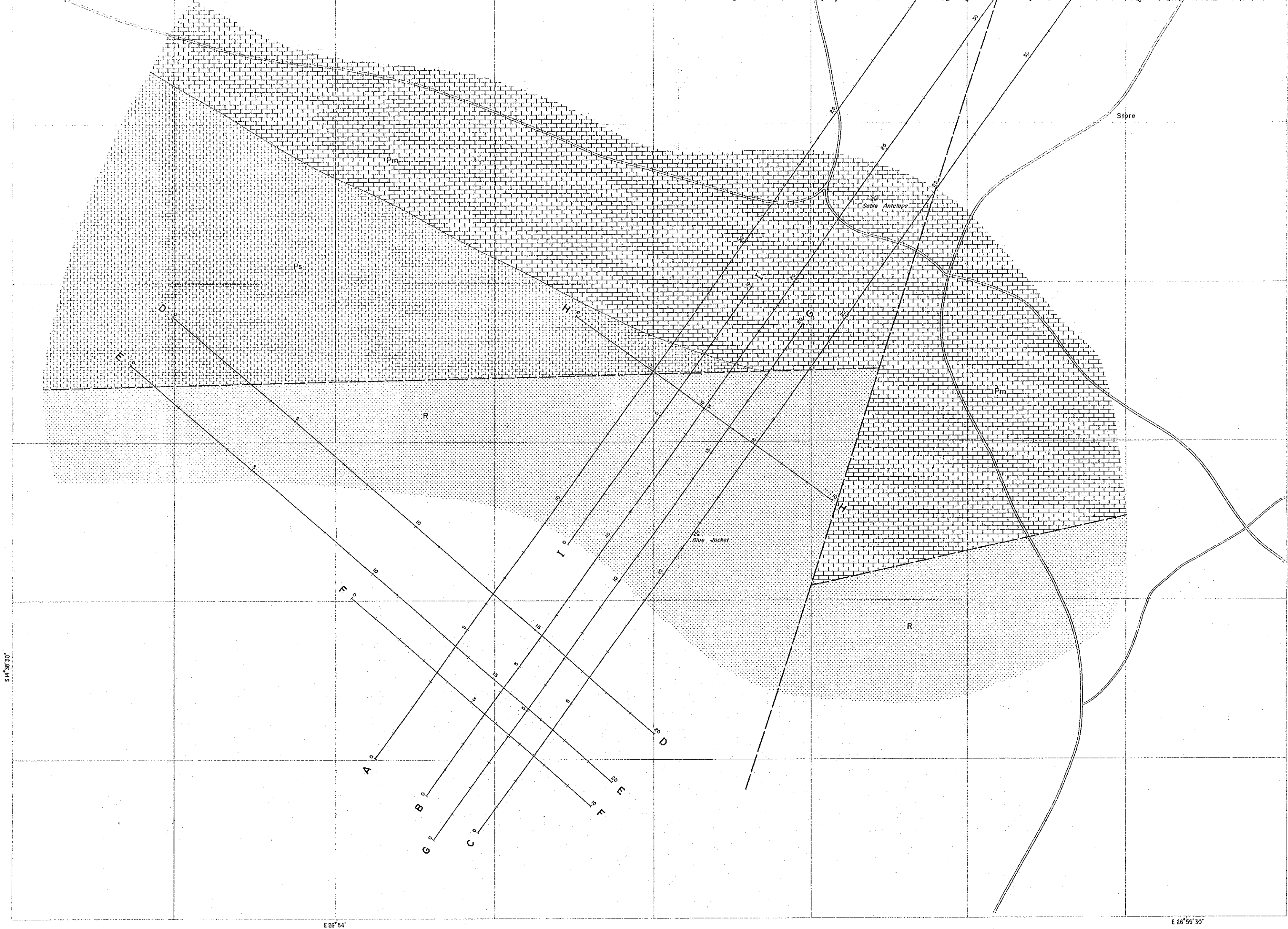
FEBRUARY - 1986

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

LEGEND

- ++++ A - E IP Line
- ++++ F - I SIP Line
- [Pattern] Argillaceous - Arenaceous Metasediments
- [Pattern] Massive Carbonates
- [Pattern] Bedded Carbonates





S 14° 38' 30"

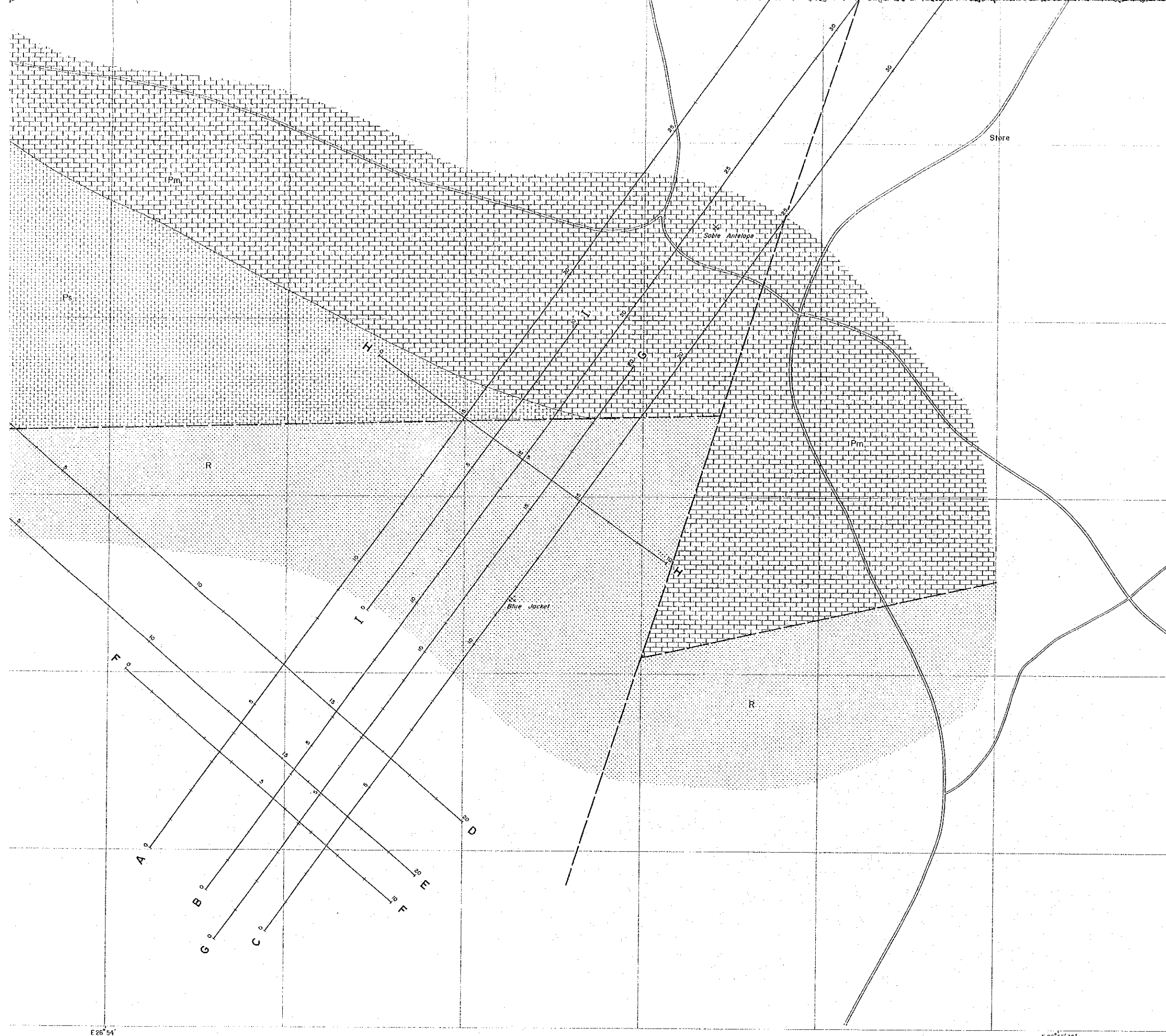
S 14° 38' 30"

E 26° 54'

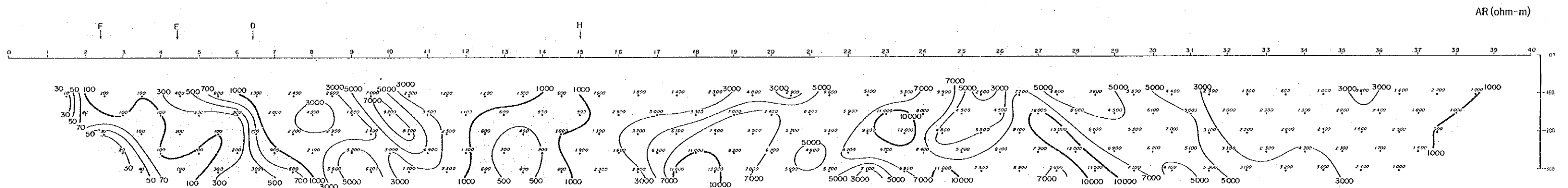
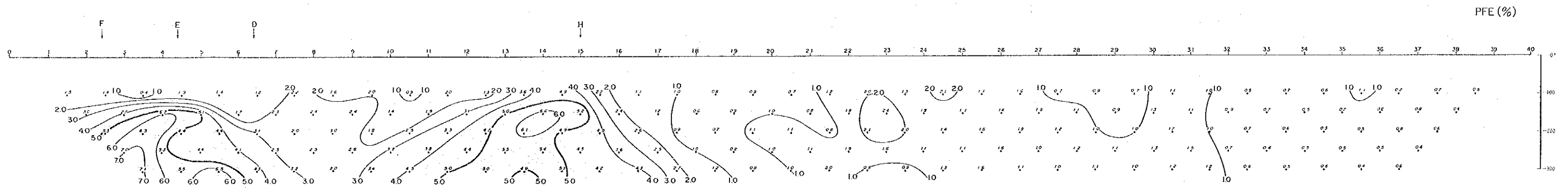
E 26° 55' 30"

LEGEND

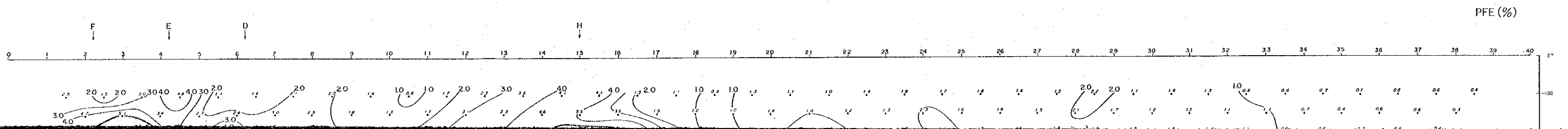
- +++++ A ~ E IP Line
- +++++ F ~ I SIP Line
- R Argillaceous - Arenaceous Metasediments
- Ps Massive Carbonates
- Pm Bedded Carbonates



LINE-A



LINE-B

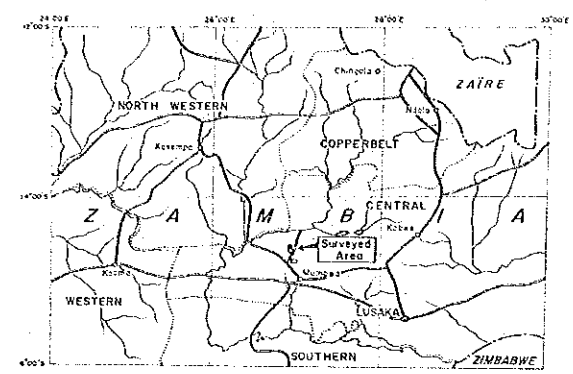


REPORT ON THE MINERAL EXPLORATION
OF KARENDA AREA, THE REPUBLIC OF ZAMBIA
PHASE II

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国産資料室蔵書

PSEUDO - SECTION
PERCENT FREQUENCY EFFECT (0.125 Hz / 1 Hz)
APPARENT RESISTIVITY
LINE - A, LINE - B,

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



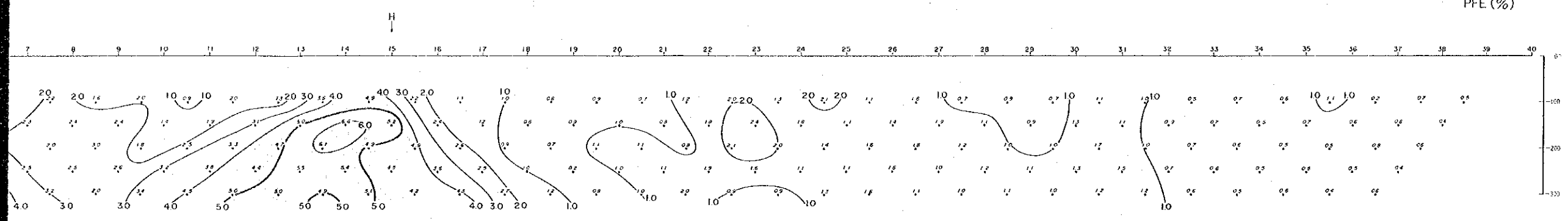
Geological and Geochemical Exploration
Drilling Exploration
Geophysical Exploration

FEBRUARY 1986

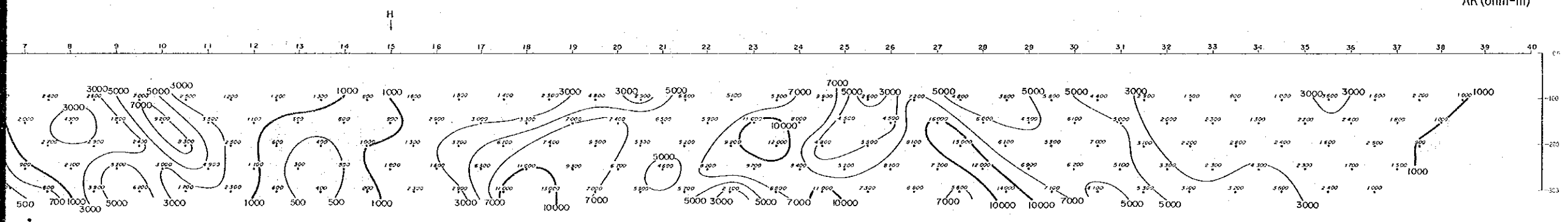
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

LINE-A

PFE (%)

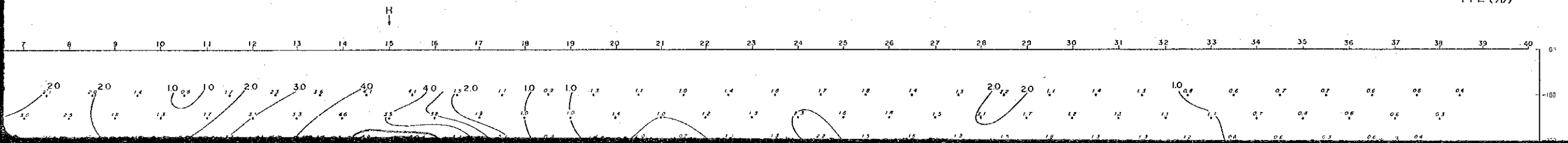


AR (ohm-m)



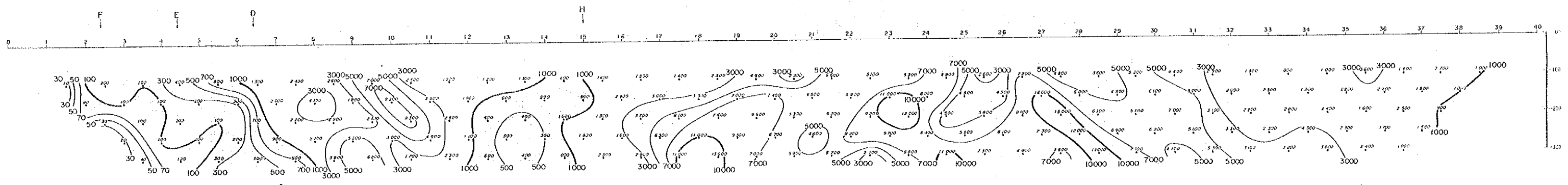
LINE-B

PFE (%)



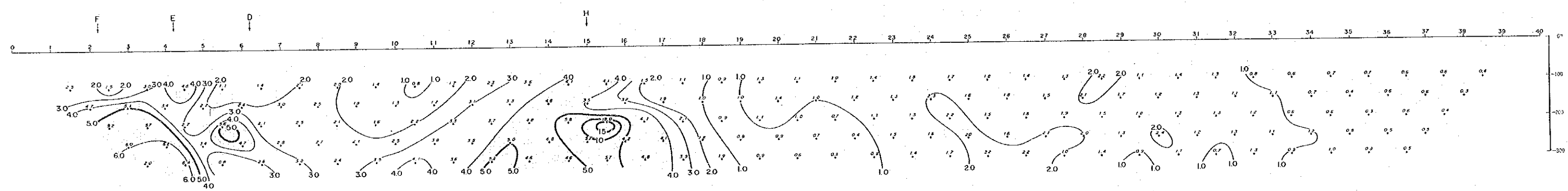
- LEGEND**
- Percent Frequency Effect (%)
 - Contour Interval
0, 1, 2, 3, 4, 5, ...
 - > 4 %
 - Apparent Resistivity (ohm-m)
 - Contour Interval
100, 300, 500, 700, 1000, ...
 - < 1000 ohm-m

AR (ohm-m)

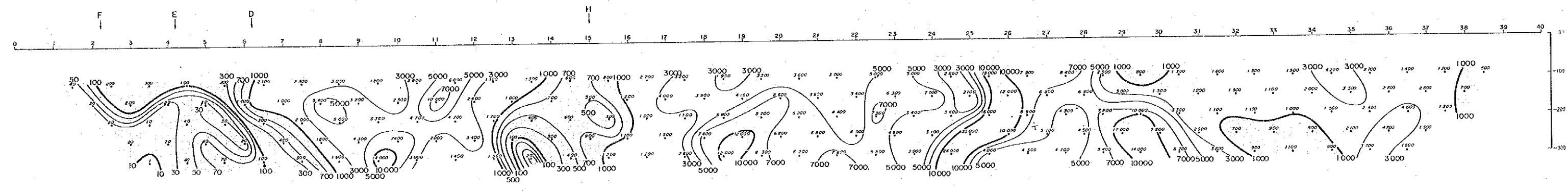


LINE-B

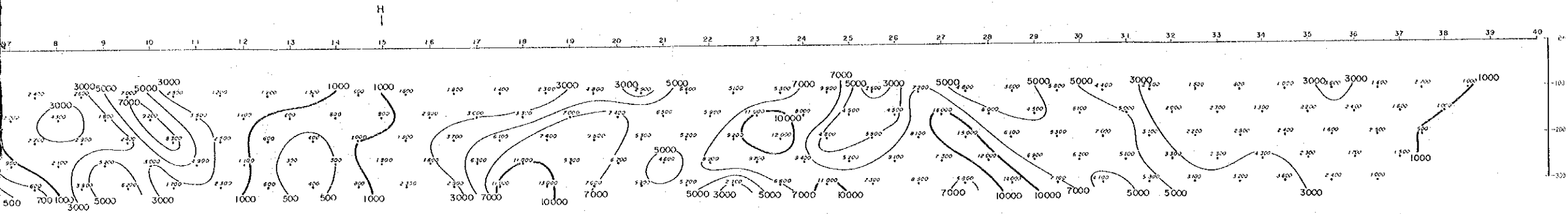
PFE (%)



AR (ohm-m)



AR (ohm-m)

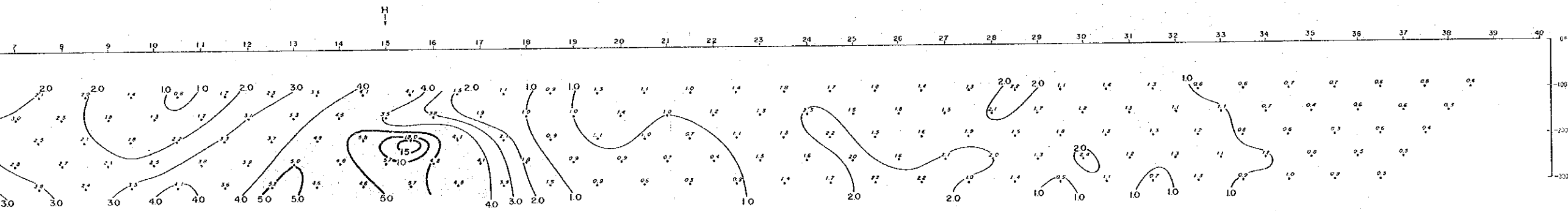


LEGEND

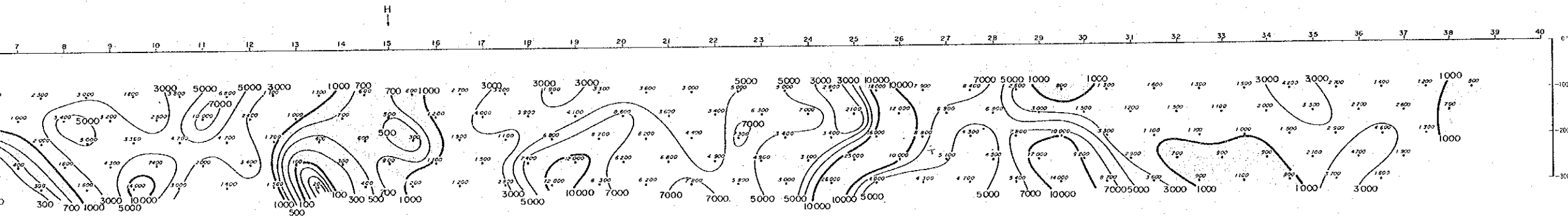
- Percent Frequency Effect (%)
- Contour Interval
--- 0, 1, 2, 3, 4, 5, ---
- > 4 %
- Apparent Resistivity (ohm-m)
- Contour Interval
--- 100, 300, 500, 700, 1000, ---
- < 1000 ohm-m

LINE-B

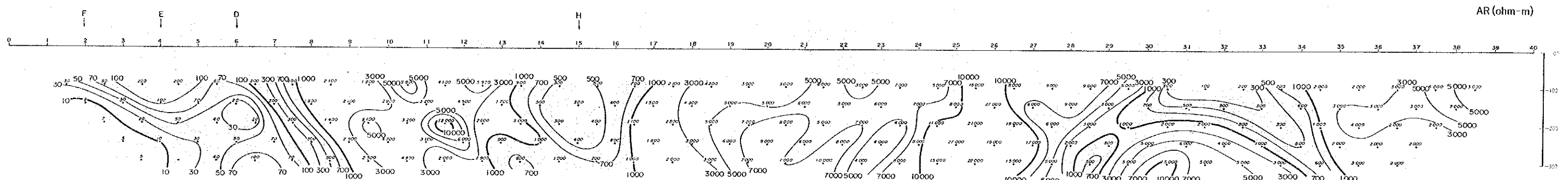
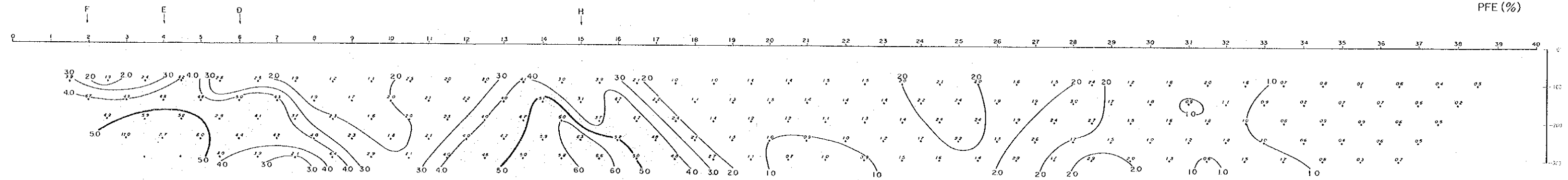
PFE (%)



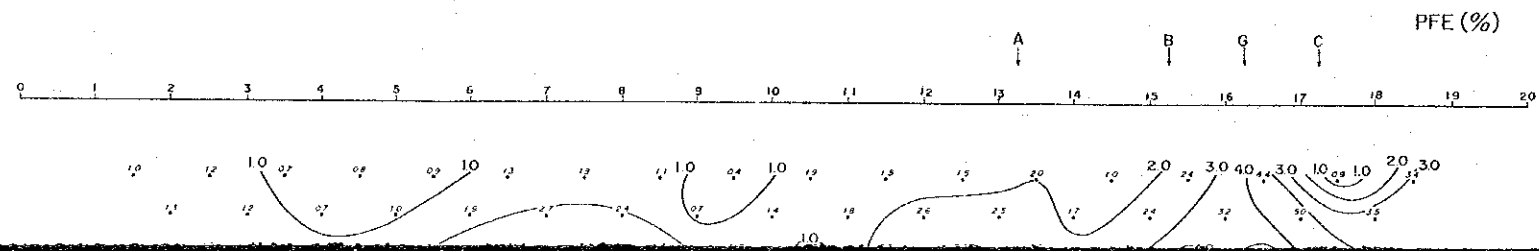
AR (ohm-m)



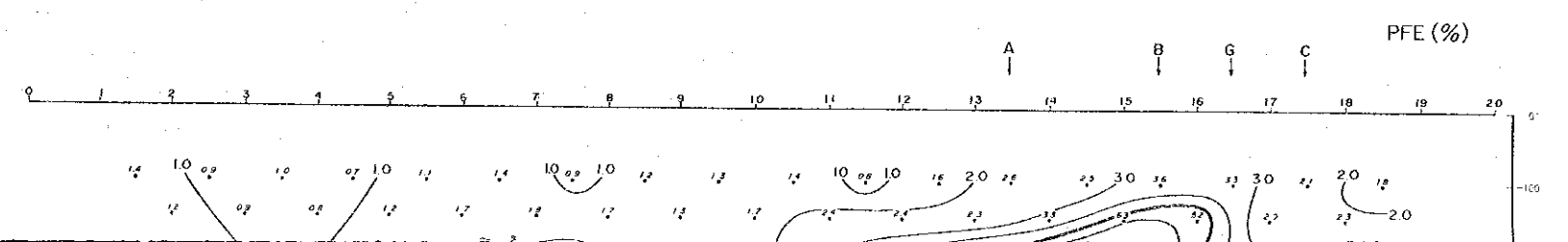
LINE-C



LINE-D



LINE-E

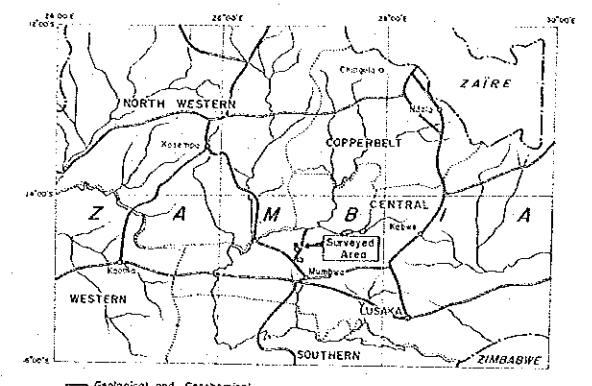


REPORT ON THE MINERAL EXPLORATION OF KARENDA AREA, THE REPUBLIC OF ZAMBIA PHASE II

国際協力事業団 15144 図書資料室蔵書

PSEUDO - SECTION PERCENT FREQUENCY EFFECT (0.125 Hz / 1 Hz) APPARENT RESISTIVITY LINE - C, LINE - D, LINE - E

Scale 1: 5,000



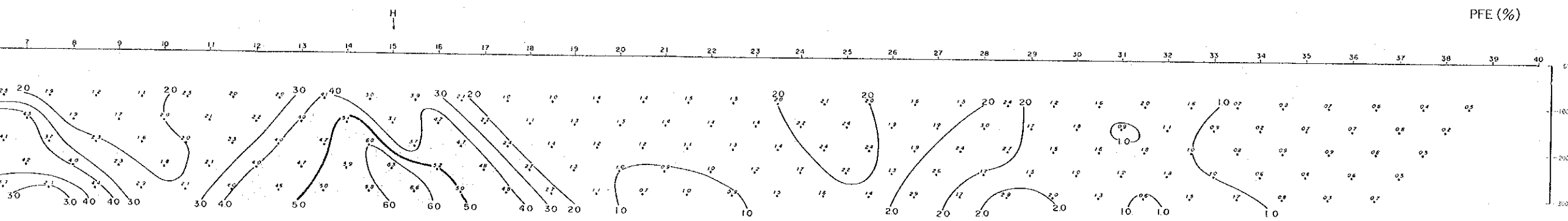
Geological and Geochemical Exploration, Geophysical Exploration, Drilling Exploration

FEBRUARY 1986

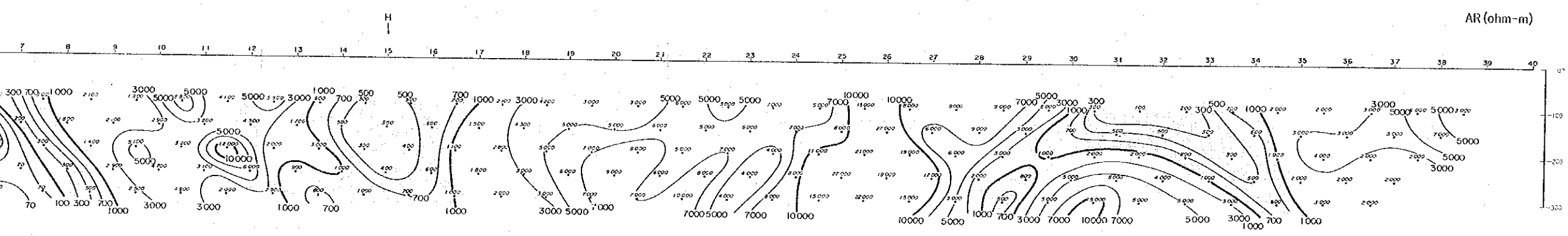
JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN

LINE-C

PFE (%)



AR (ohm-m)

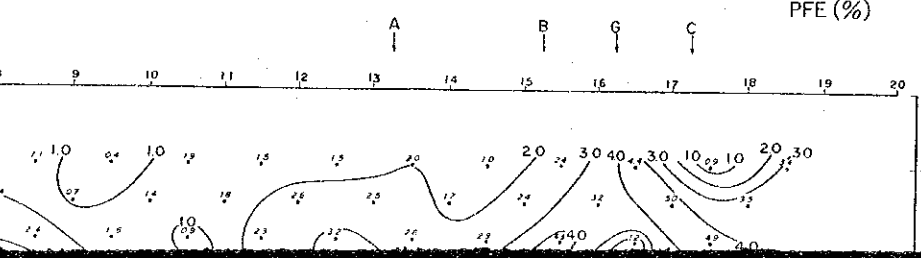


LEGEND

- Percent Frequency Effect (%)
Contour Interval: 0, 1, 2, 3, 4, 5, ...
> 4 %
Apparent Resistivity (ohm-m)
Contour Interval: 100, 300, 500, 700, 1000, ...
< 1000 ohm-m

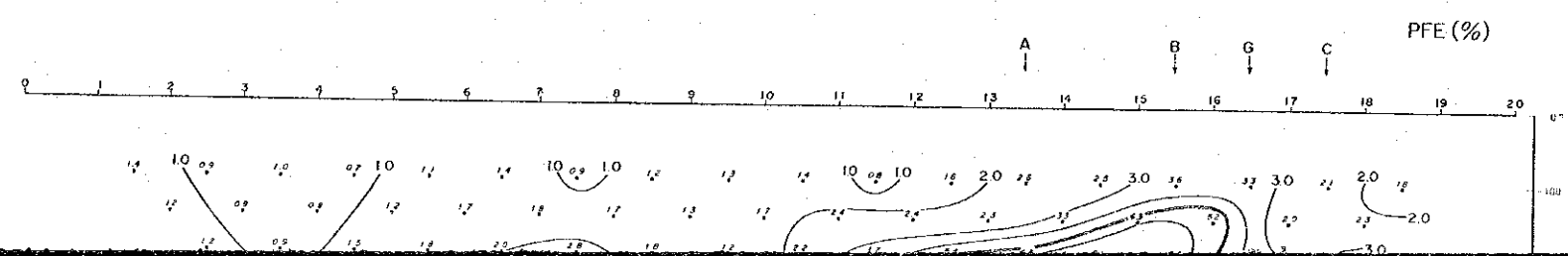
LINE-D

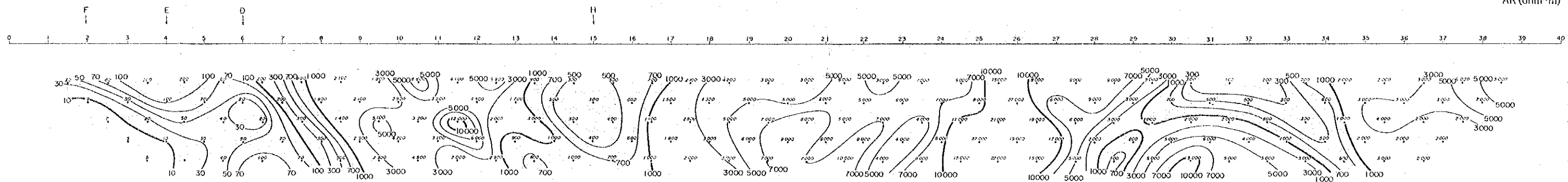
PFE (%)



LINE-E

PFE (%)



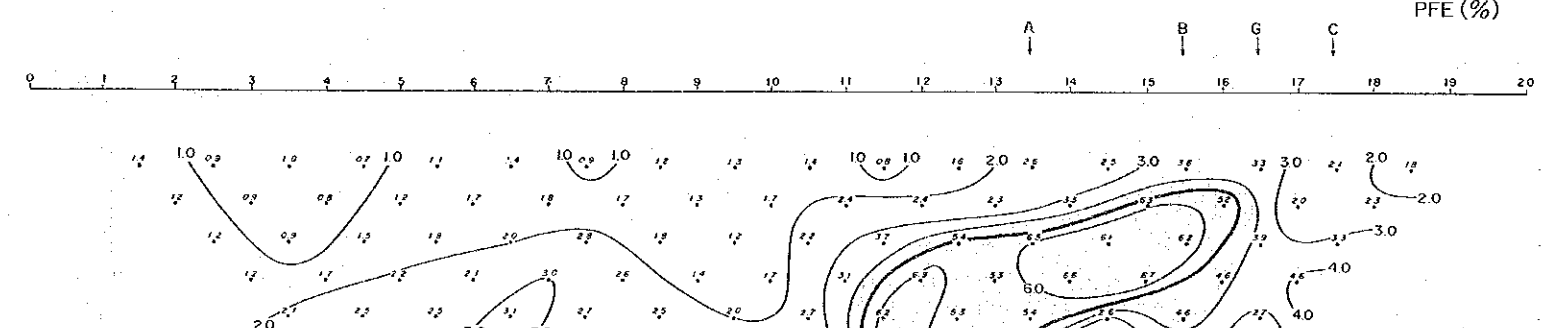
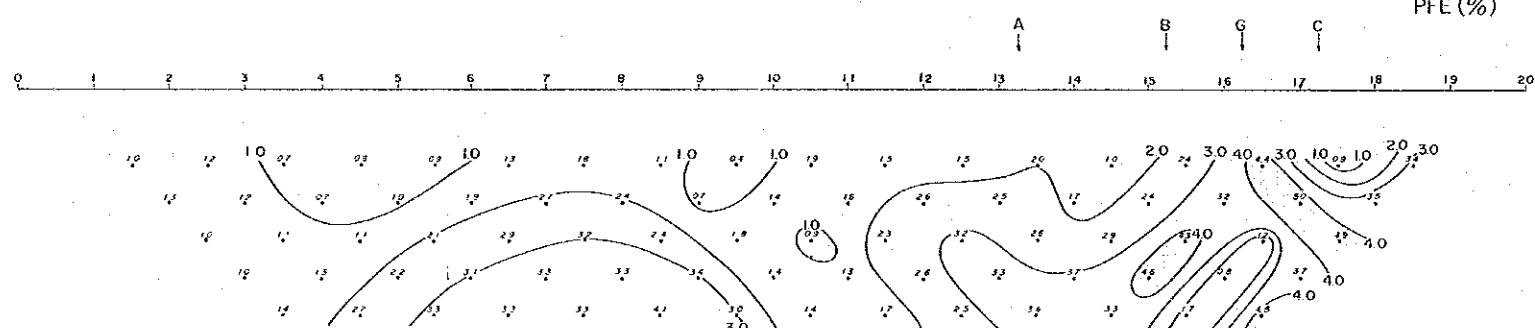


LINE-D

LINE-E

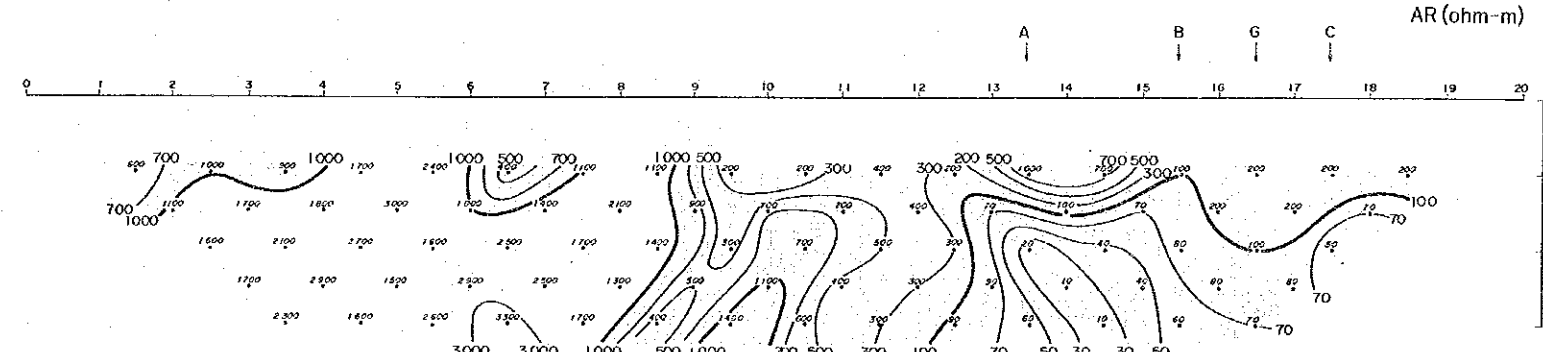
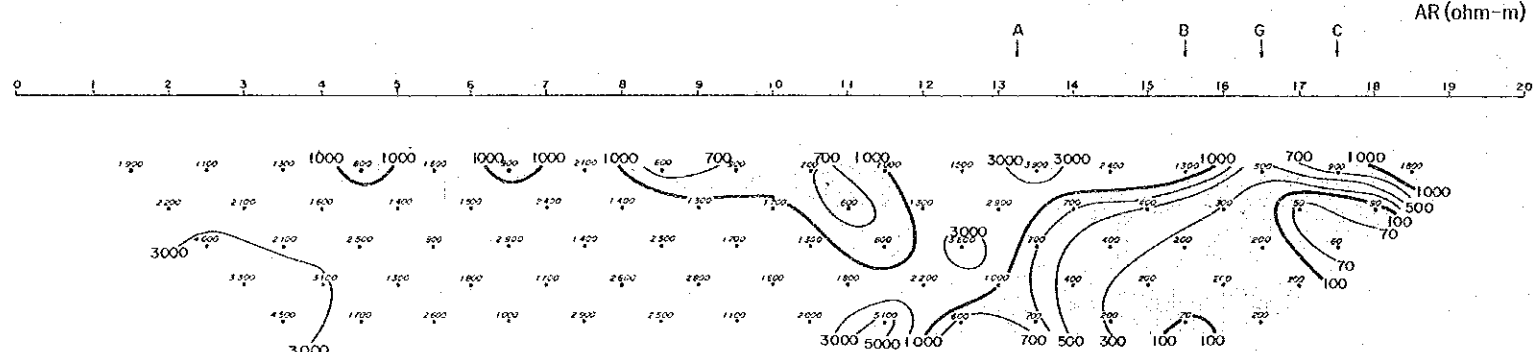
PFE (%)

PFE (%)

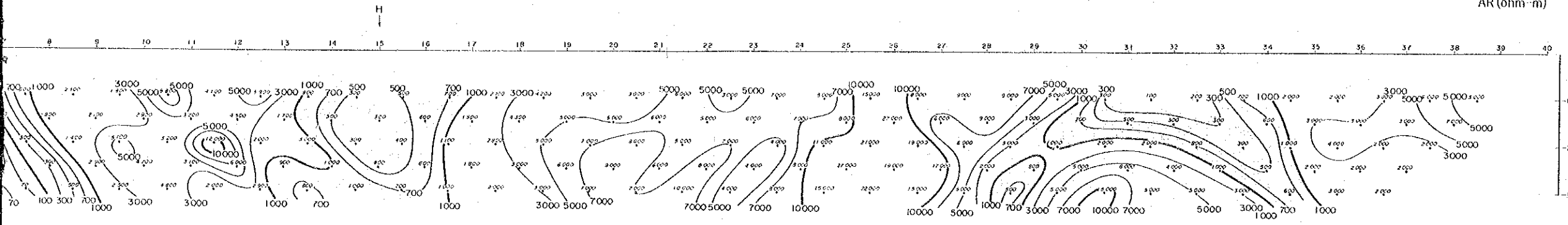


AR (ohm-m)

AR (ohm-m)



AR (ohm-m)



LEGEND

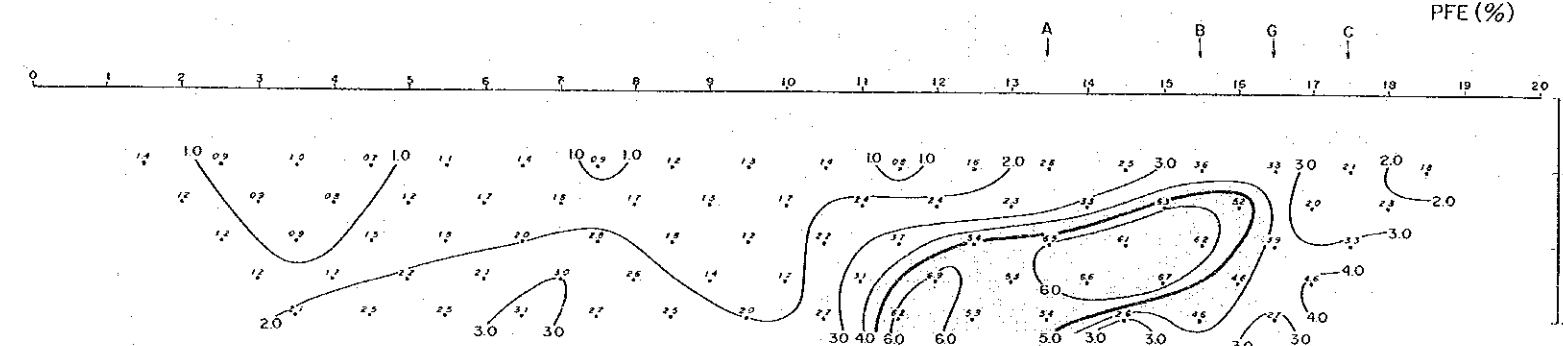
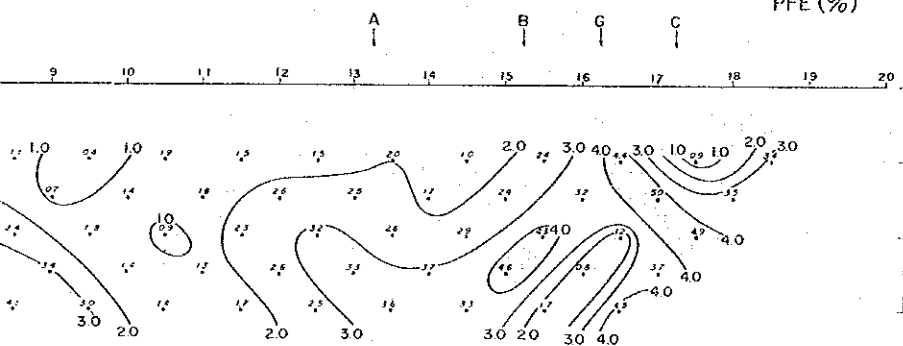
- 3/ Percent Frequency Effect (%)
- 5 Contour Interval
- 0, 1, 2, 3, 4, 5, ...
- > 4 %
- 1300 Apparent Resistivity (ohm-m)
- 1000 Contour Interval
- 100, 300, 500, 700, 1000, ...
- < 1000 ohm-m

LINE-D

LINE-E

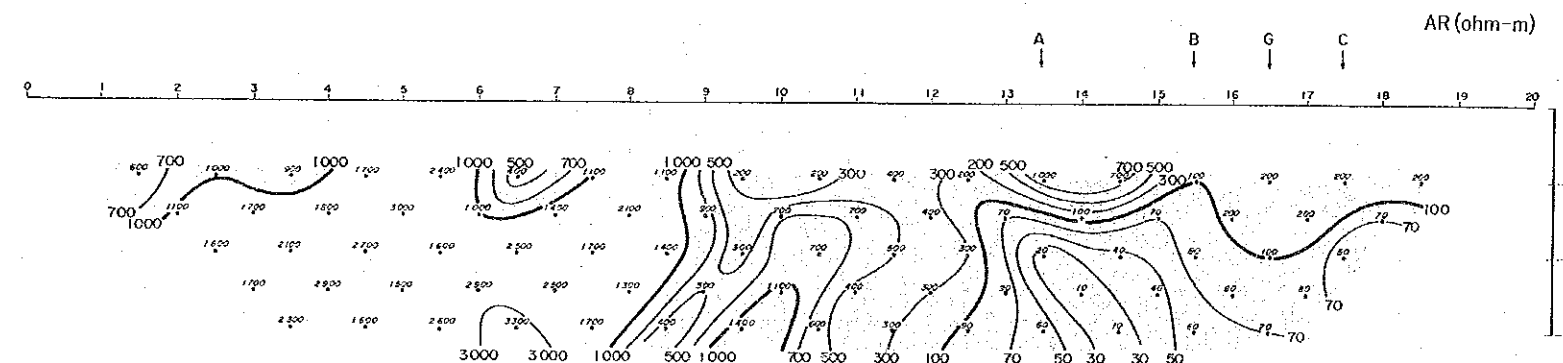
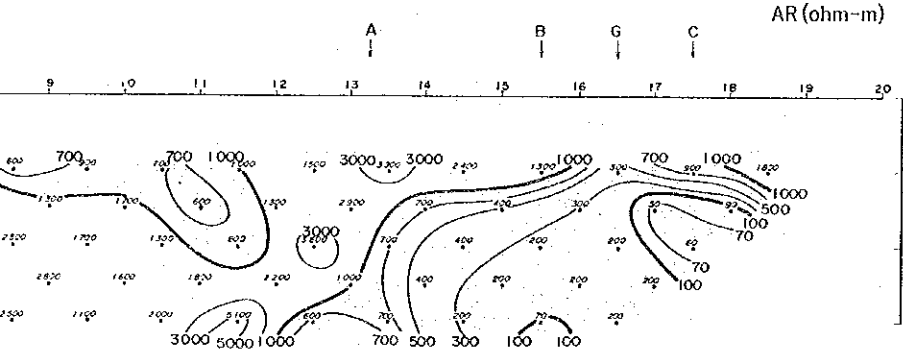
PFE (%)

PFE (%)

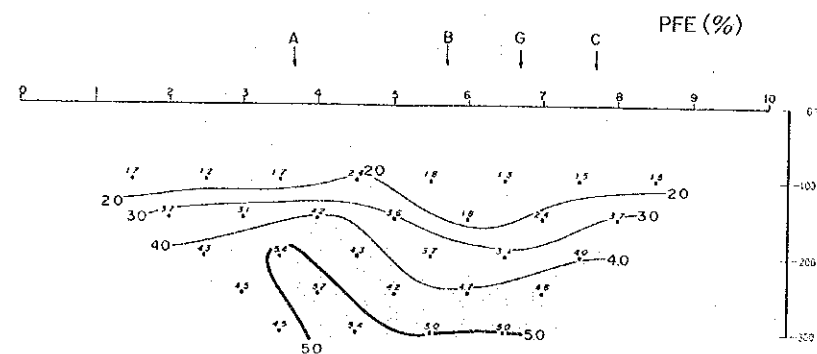


AR (ohm-m)

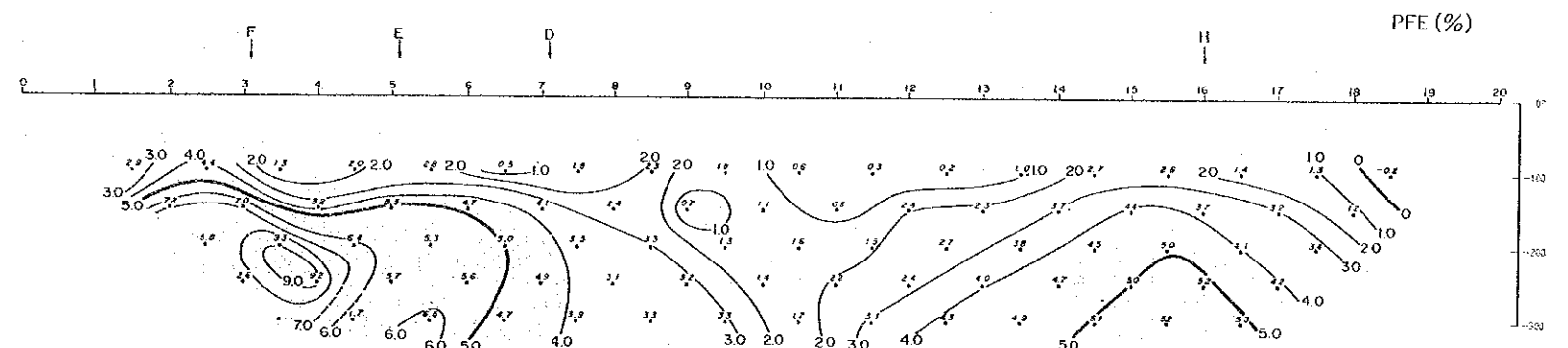
AR (ohm-m)



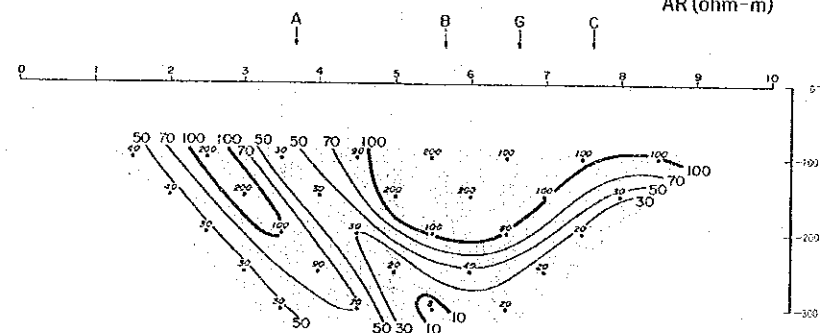
LINE-F



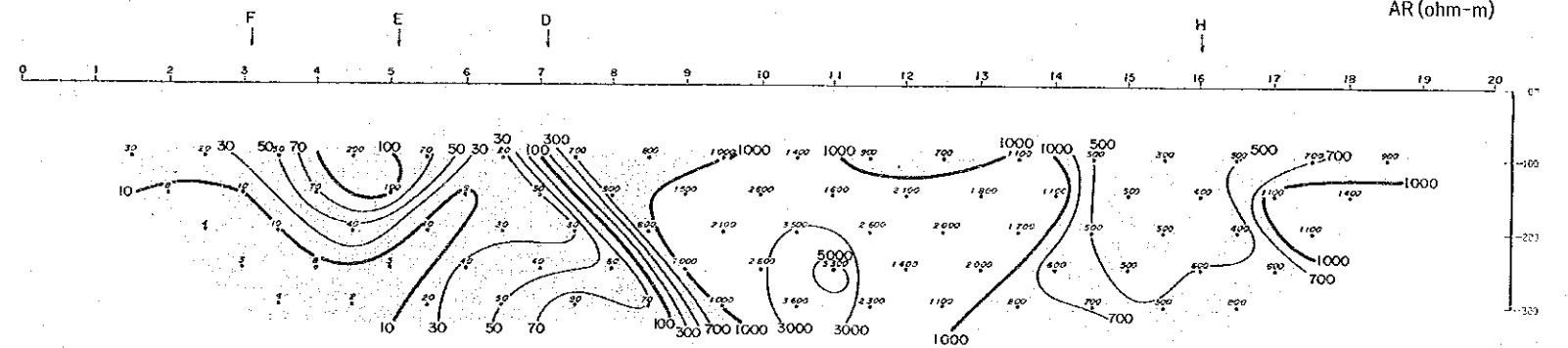
LINE-G



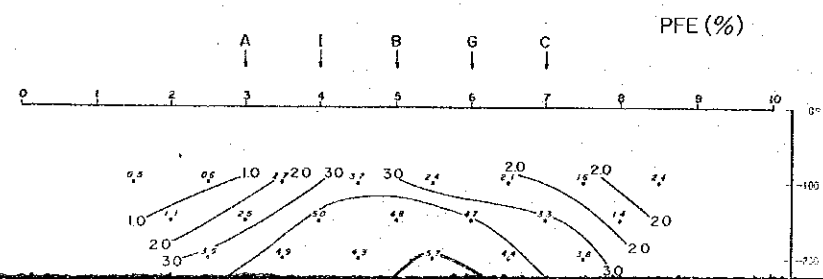
AR (ohm-m)



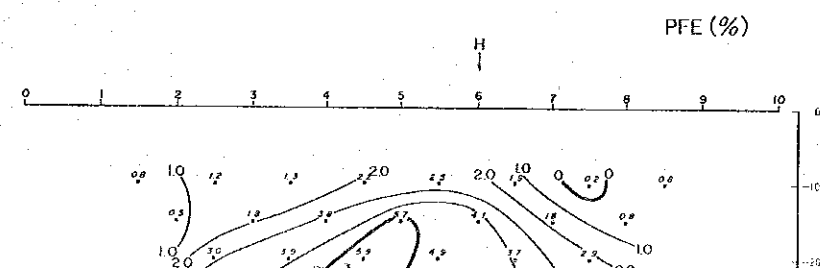
AR (ohm-m)



LINE-H



LINE-I

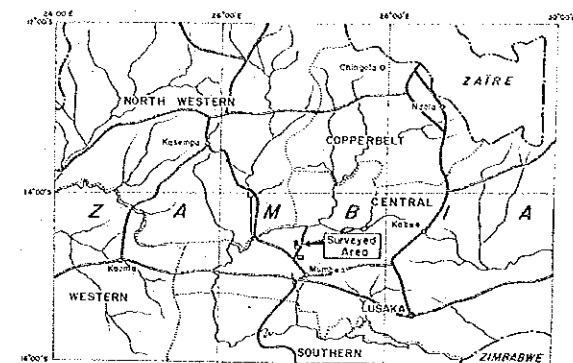


REPORT ON THE MINERAL EXPLORATION OF KARENDA AREA, THE REPUBLIC OF ZAMBIA PHASE II

国際協力事業団 15144 図書資料室蔵書

PSEUDO -- SECTION PERCENT FREQUENCY EFFECT (0.125Hz/1Hz) APPARENT RESISTIVITY LINE-F, LINE-G, LINE-H, LINE-I

Scale 1:5,000



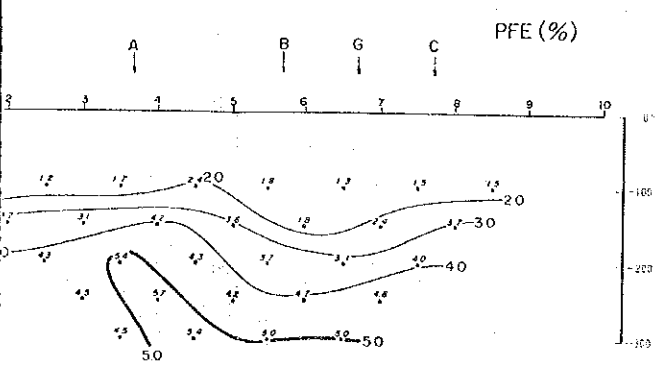
FEBRUARY, 1985

JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN

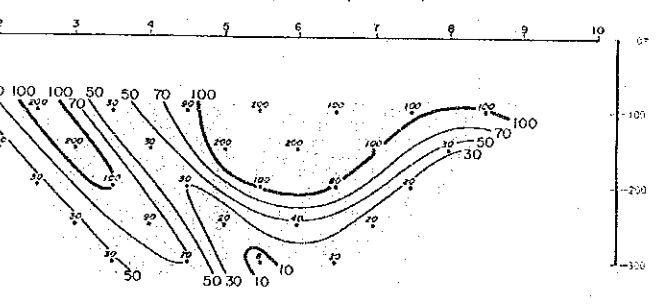
LEGEND

- Percent Frequency Effect (%)
Contour Interval
> 4 %
Apparent Resistivity (ohm-m)
Contour Interval
< 1000 ohm-m

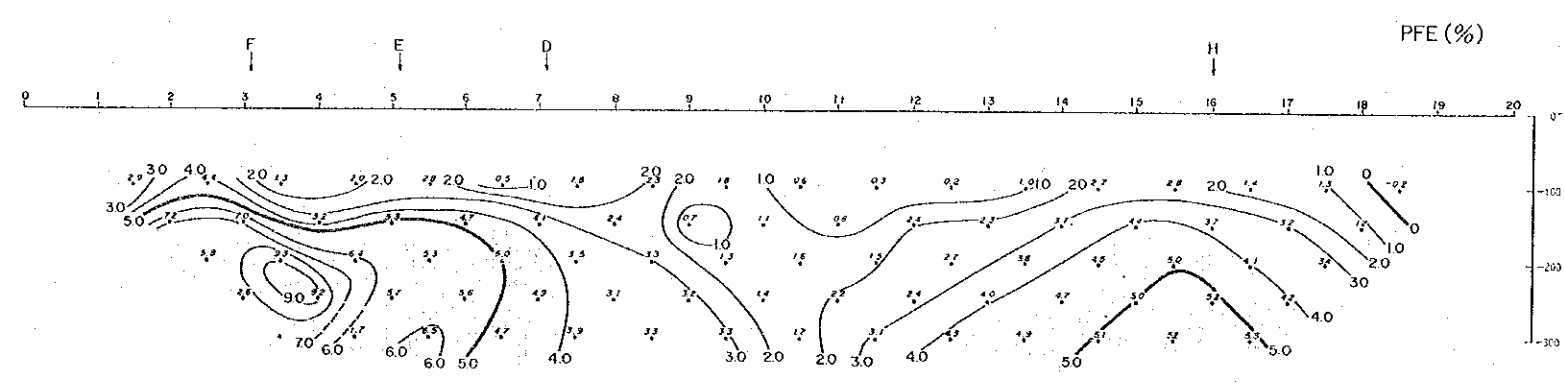
LINE-F



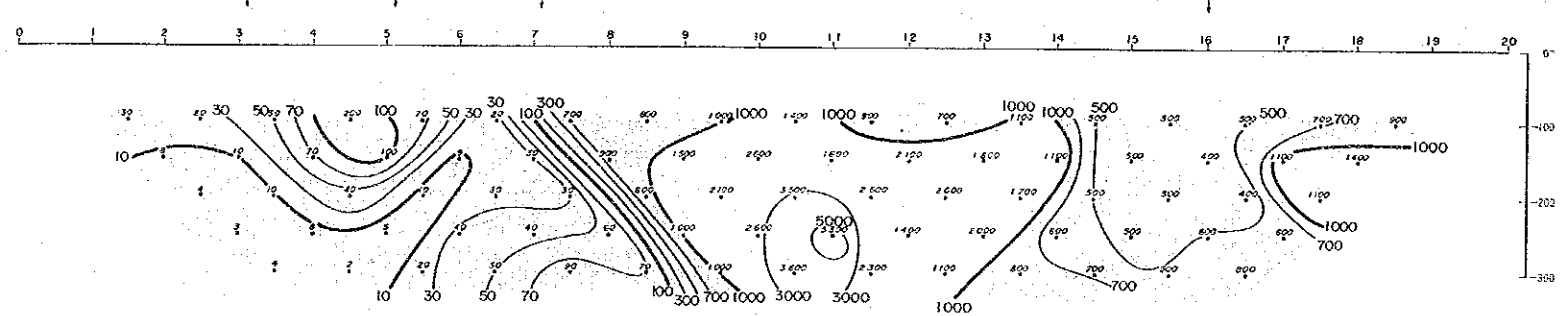
AR (ohm-m)



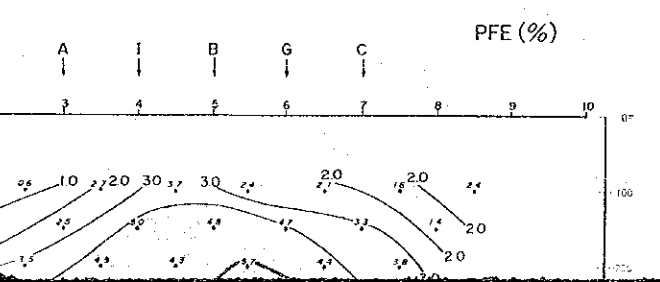
LINE-G



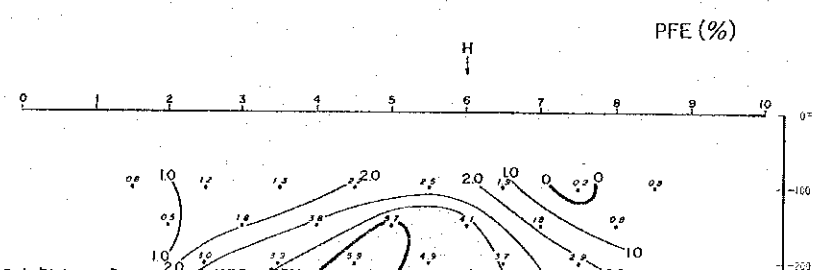
AR (ohm-m)

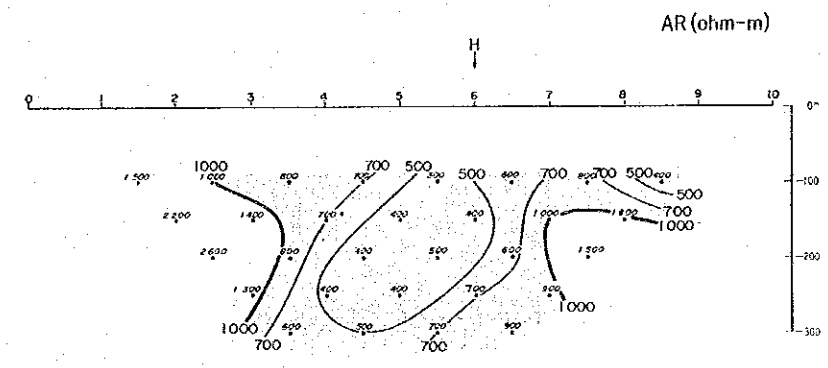
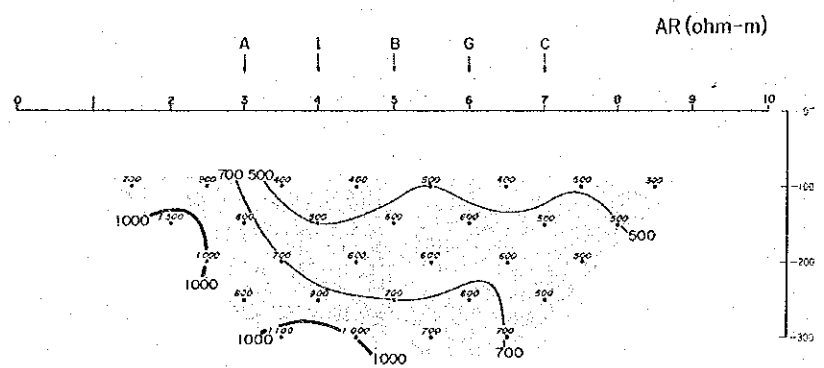
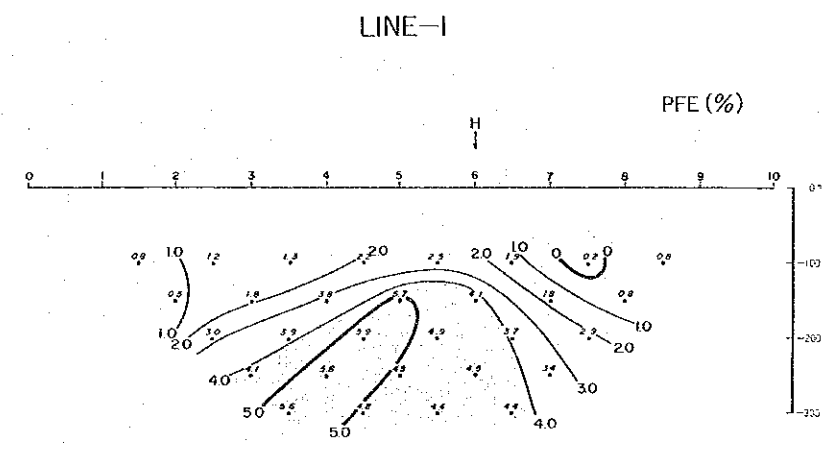
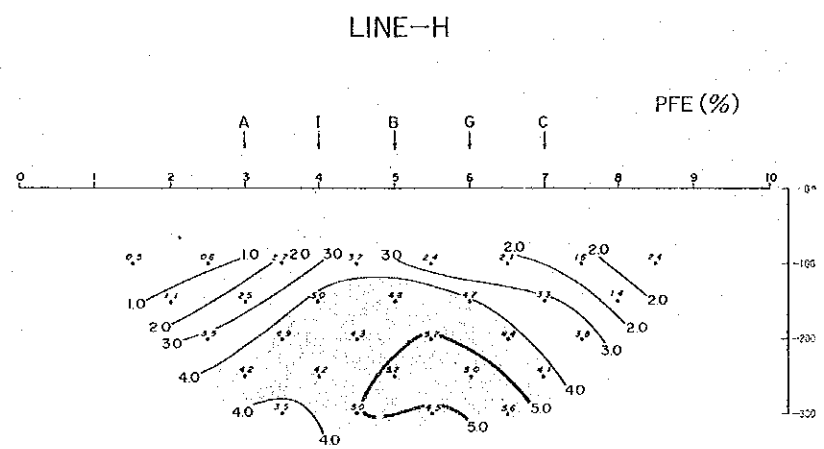
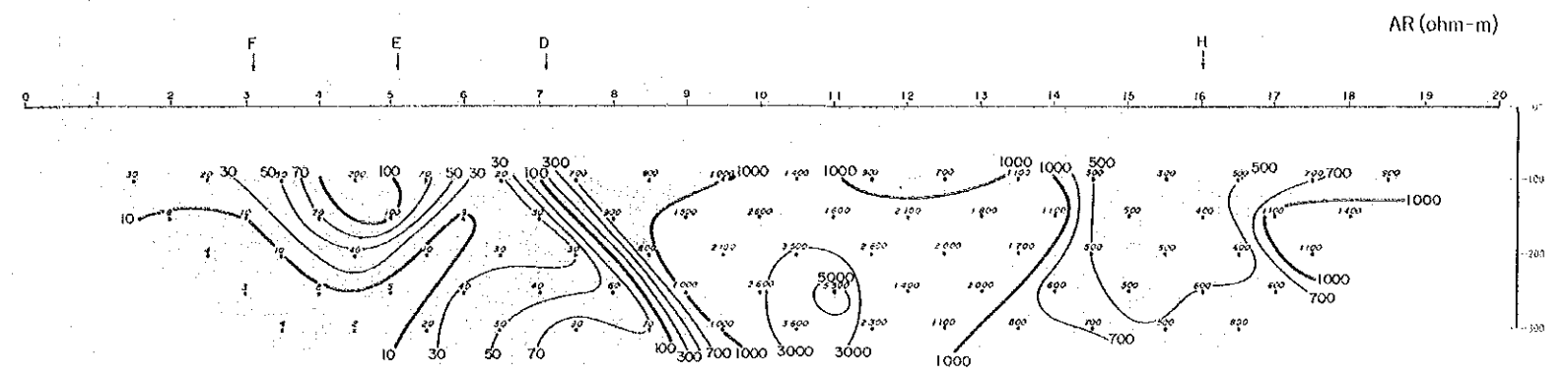
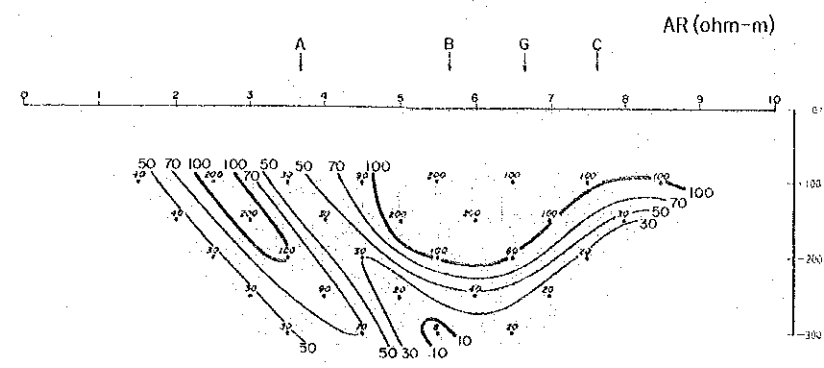


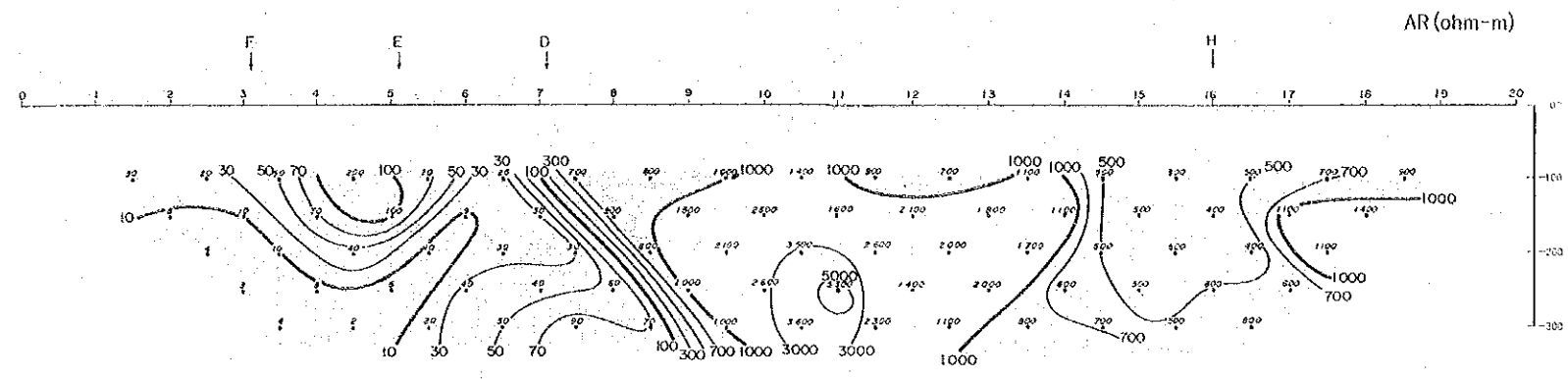
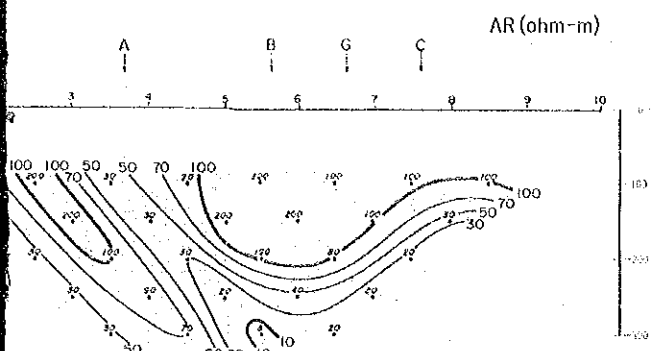
LINE-H



LINE-I

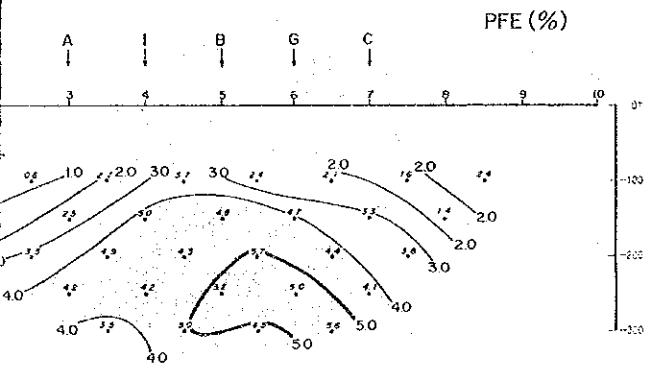




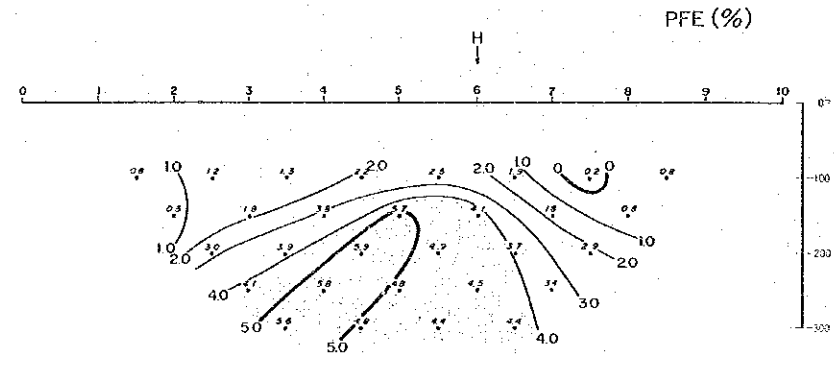


- LEGEND
- 3/4 Percent Frequency Effect (%)
 - 5 Contour Interval
 - 0, 1, 2, 3, 4, 5, ...
 - > 4 %
 - 1500 Apparent Resistivity (ohm-m)
 - 1000 Contour Interval
 - 100, 300, 500, 700, 1000, ...
 - < 1000 ohm-m

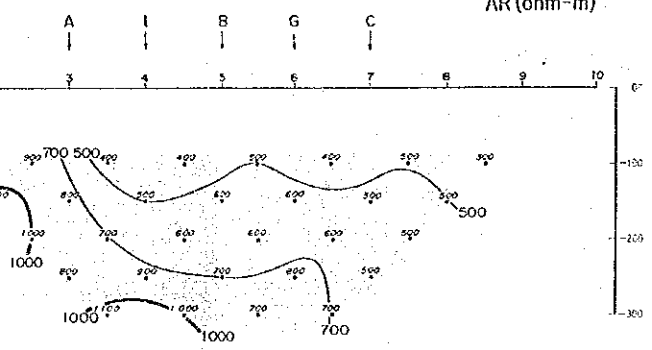
LINE-H



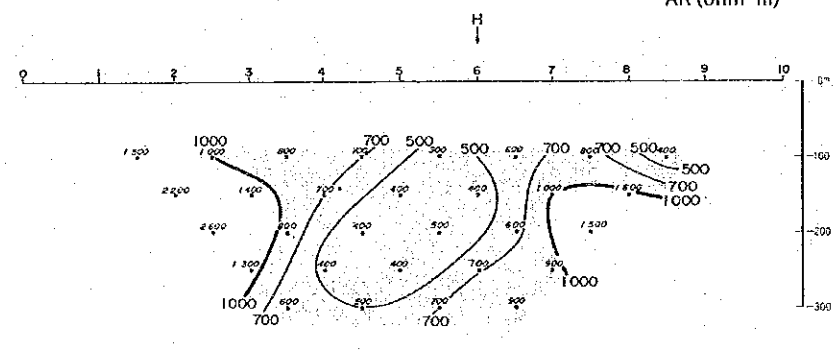
LINE-I



AR (ohm-m)



AR (ohm-m)





E 26° 54'

E 26° 55' 30"

S 14° 37'

S 14° 37'



OF
PLA

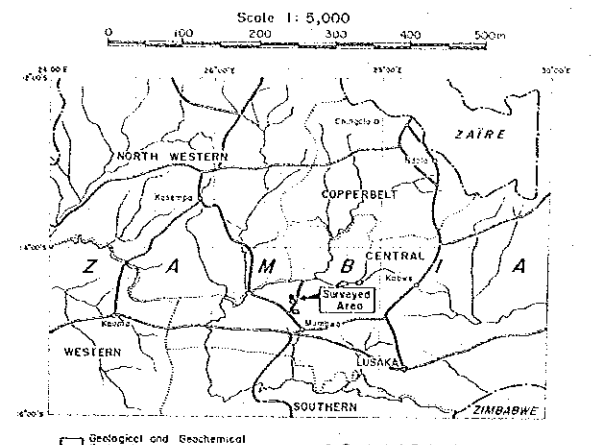
E 26°54'

E 26°55'30"

REPORT ON THE MINERAL EXPLORATION
 OF KARENDA AREA, THE REPUBLIC OF ZAMBIA
 PHASE II

PL. 6
 15:44
 國資資料室蔵書

PLAN MAP OF PERCENT FREQUENCY EFFECT
 [N = 1]



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

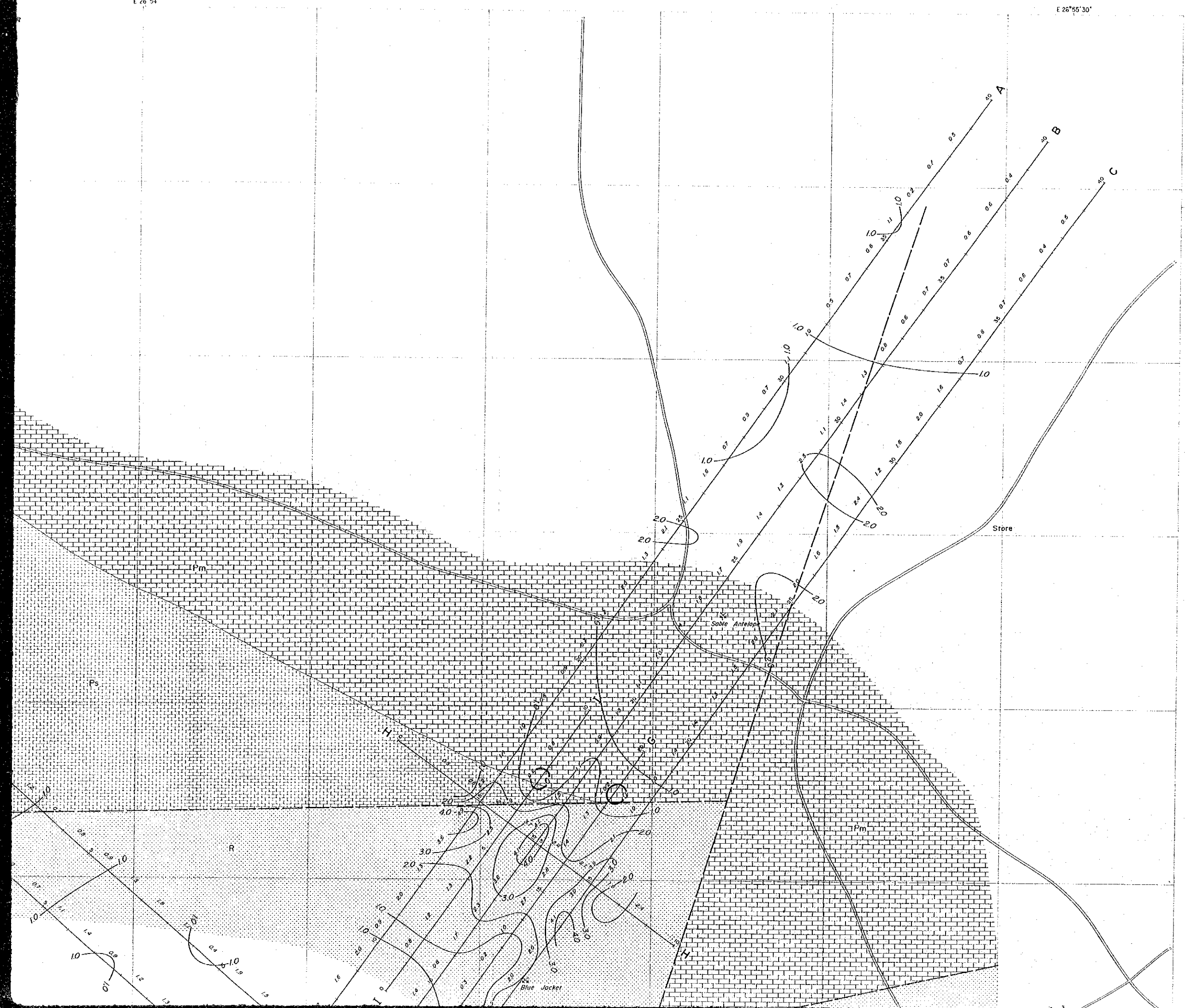
Geological and Geochemical Exploration
 Geophysical Exploration
 Drilling Exploration

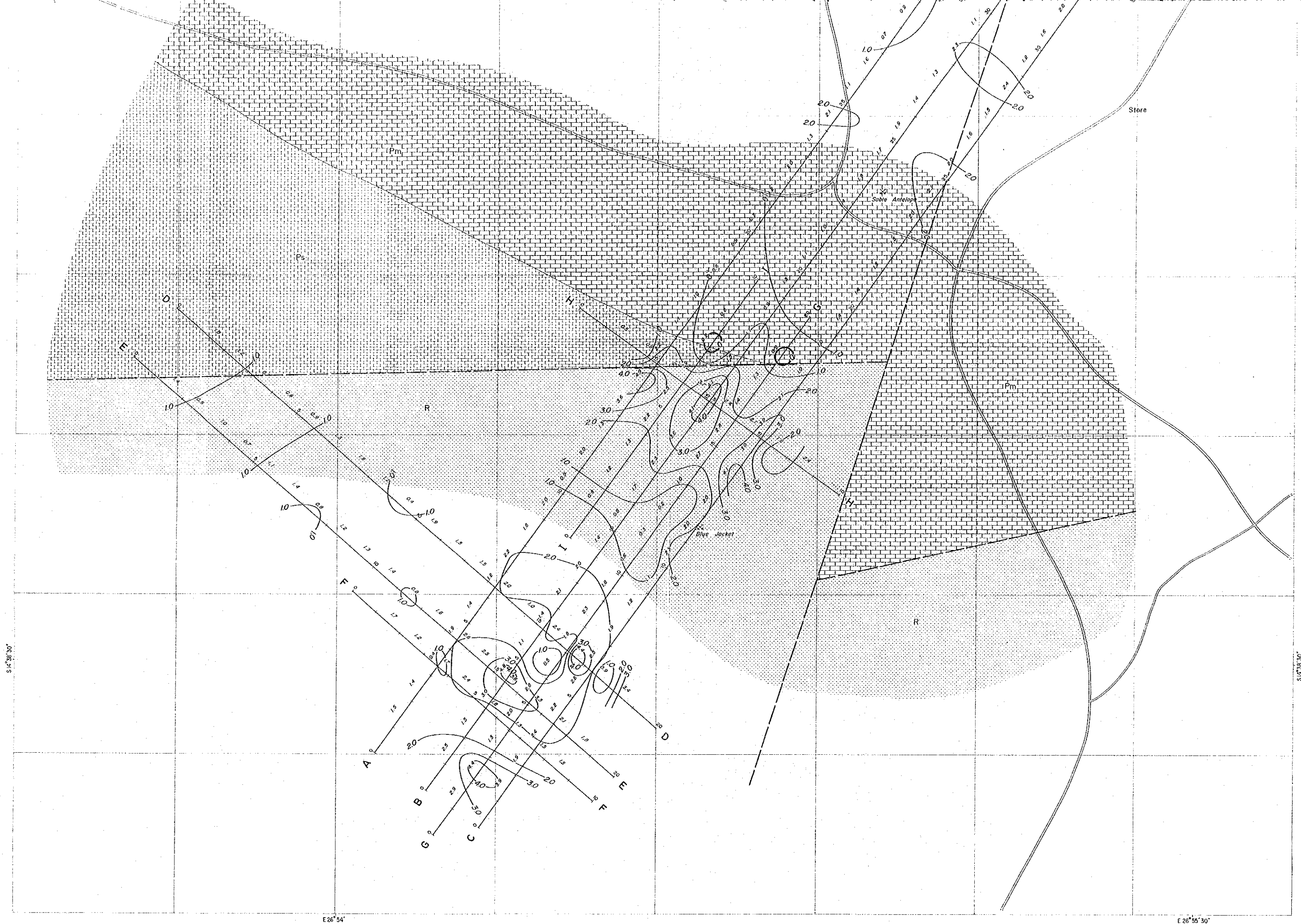
FEBRUARY 1986

JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN

LEGEND

- A ~ E IP Line
- F ~ I SIP Line
- Percent Frequency Effect (%)
- Contour Interval: 0, 1, 2, 3, 4, 5, ...
- > 4 %
- [R] Argillaceous ~ Arenaceous Metasediments
- [Ps] Massive Carbonates
- [Pm] Bedded Carbonates



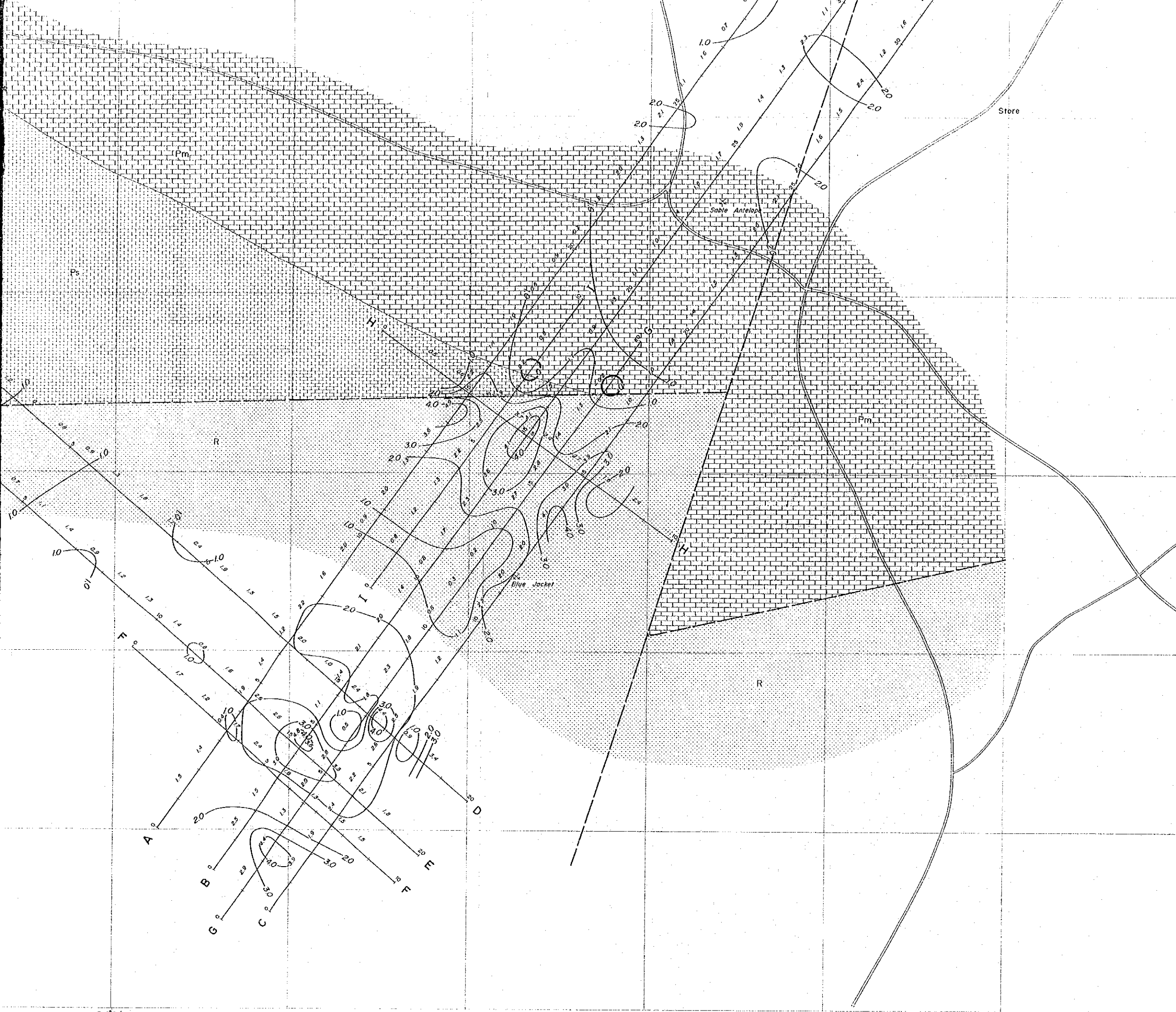


84° 38' 30"

84° 38' 30"

E 26° 54'

E 26° 55' 30"



LEGEND

- ++++ A - E IP Line
- ++++ F - I SIP Line
- Percent Frequency Effect (%)
- Contour Interval
- 0, 1, 2, 3, 4, 5, ---
- > 4 %
- [R] Argillaceous ~ Arenaceous Metasediments
- [Pm] Massive Carbonates
- [H] Bedded Carbonates

E 26° 54'

E 26° 55' 30'

S 14° 38' 30'



E 26°54'

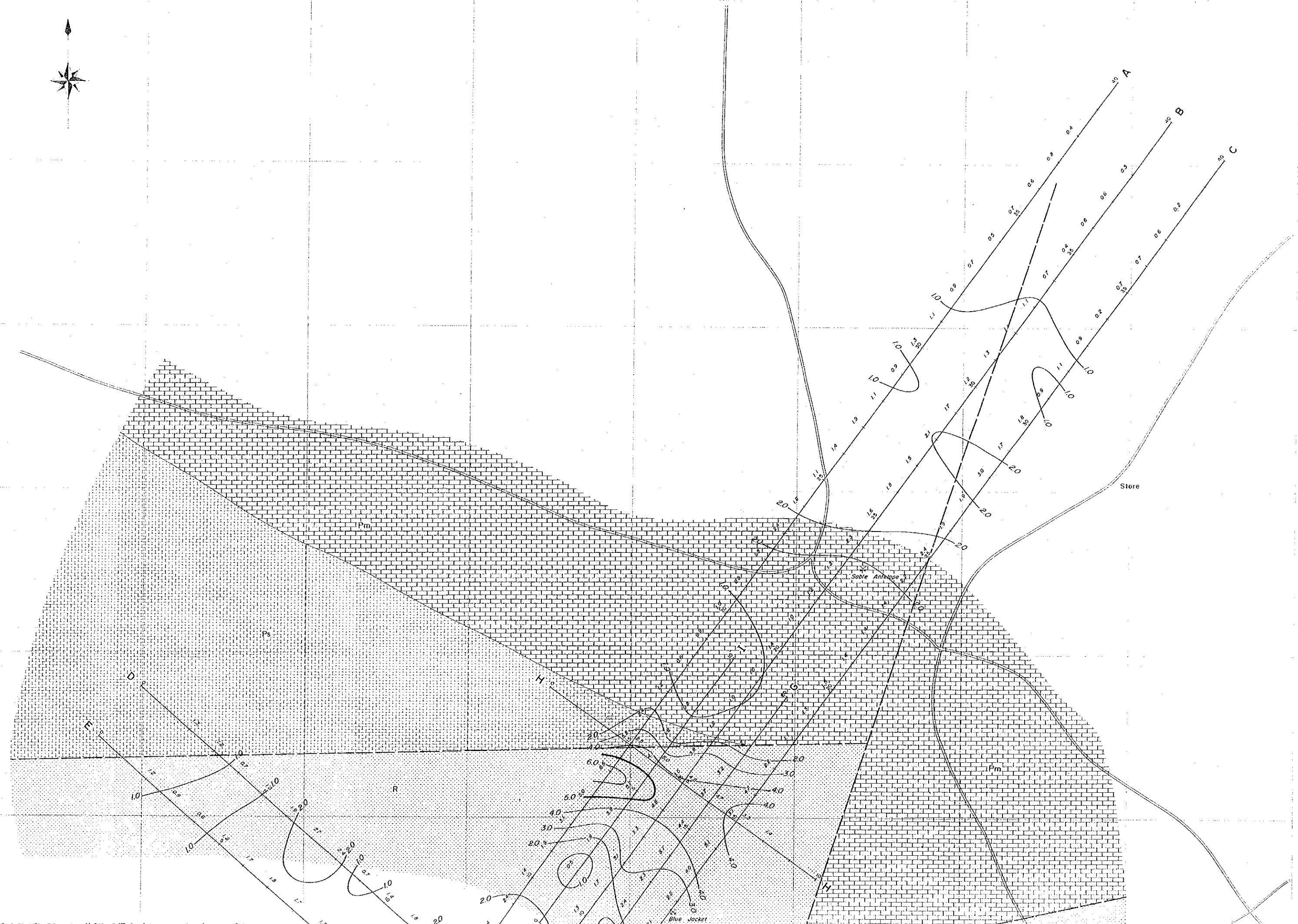
E 26°55'30"

S 4°37'

S 14°37'

RI
OF KA
PLAN

WEST
JAP



E 26°54'

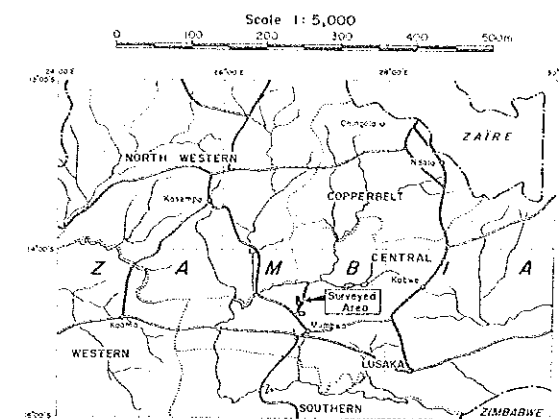
E 26°55'30"

PL 7

REPORT ON THE MINERAL EXPLORATION
 OF KARENDA AREA, THE REPUBLIC OF ZAMBIA
 PHASE II

15144
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PLAN MAP OF PERCENT FREQUENCY EFFECT
 (N = 2)



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

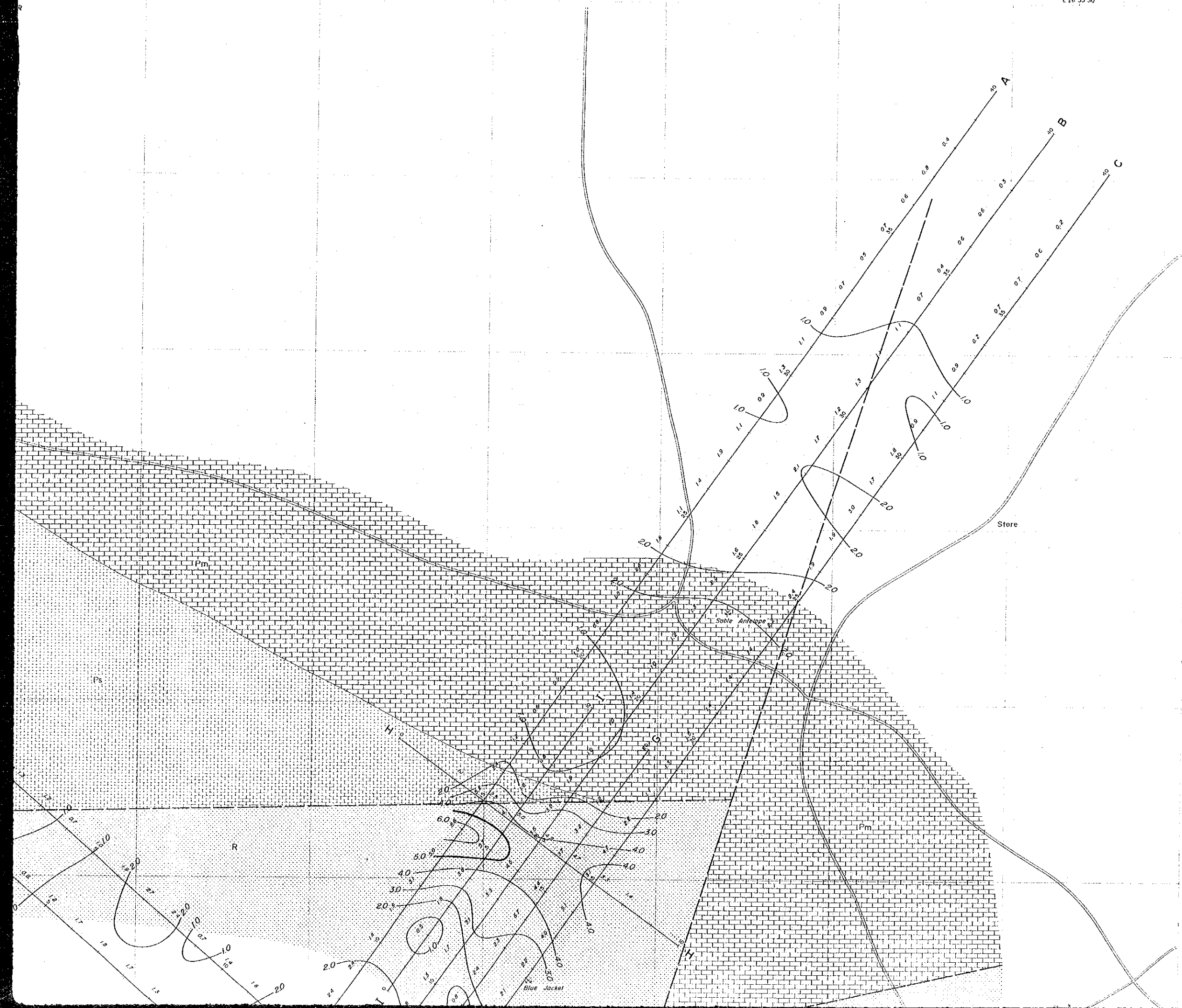
Geological and Geochemical Exploration
 Geophysical Exploration
 Drilling Exploration

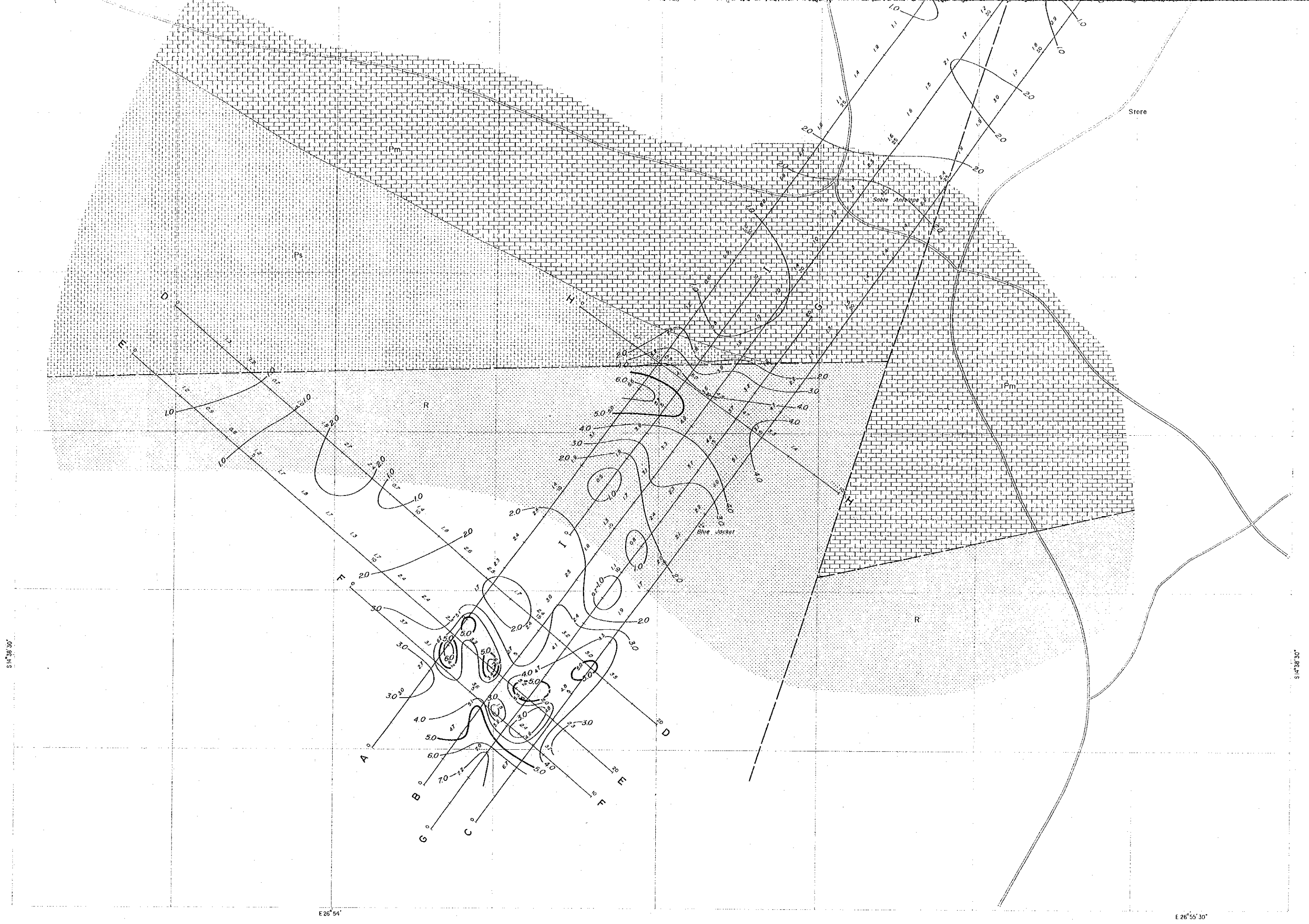
FEBRUARY 1986

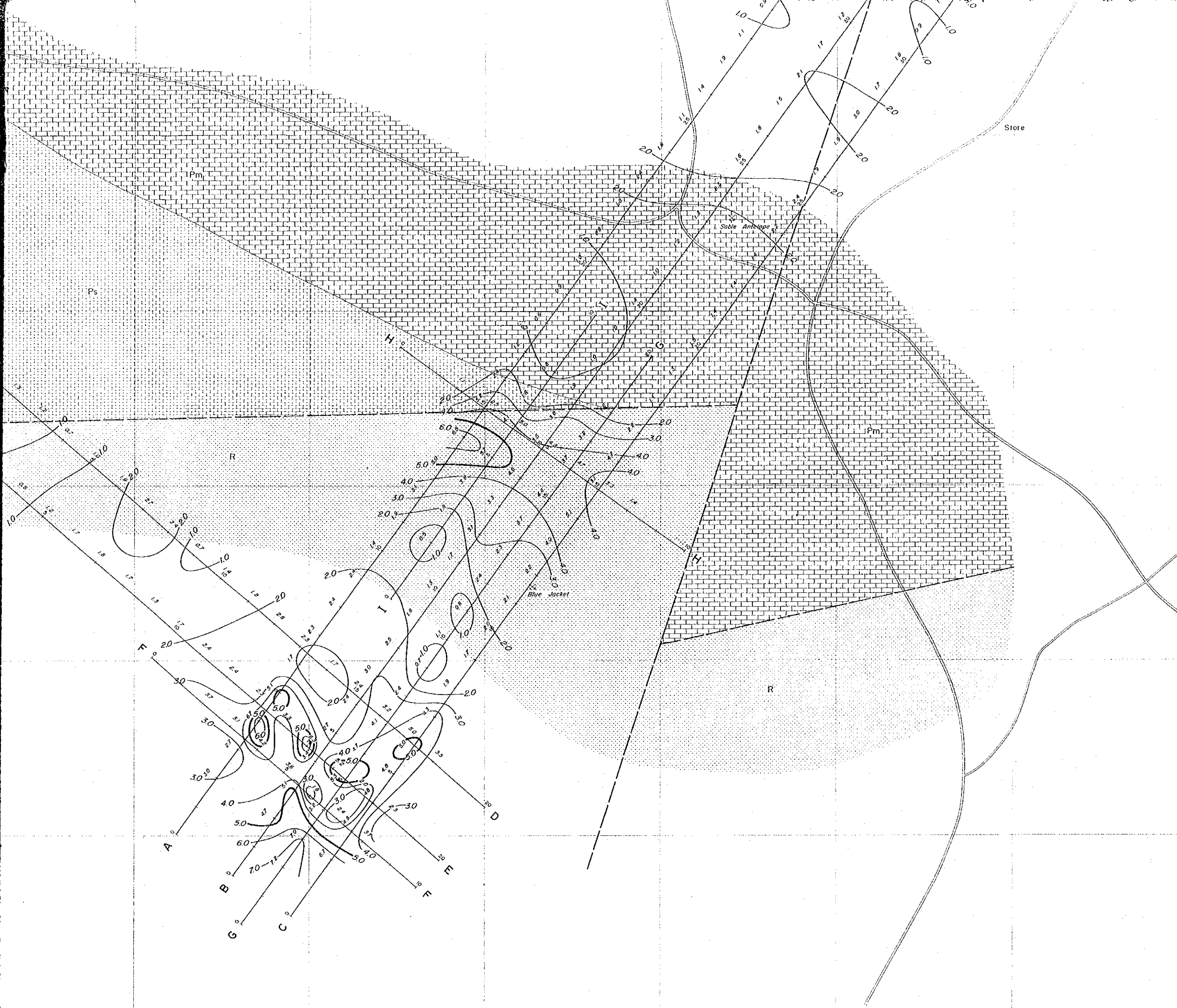
JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN

LEGEND

- A ~ E IP Line
- F ~ I SIP Line
- Percent Frequency Effect (%)
- Contour Interval
 --- 0, 1, 2, 3, 4, 5, ---
 --- > 4 %
- [R] Argillaceous - Arenaceous Metosediments
- [Ps] Massive Carbonates
- [Pm] Bedded Carbonates







LEGEND

- A ~ E IP Line
- F ~ I SIP Line
- Percent Frequency Effect (%)
- Contour Interval
- 0, 1, 2, 3, 4, 5, ---
- > 4 %
- [R] Argillaceous - Arenaceous Metasediments
- [Pm] Massive Carbonates
- [Ps] Beaded Carbonates