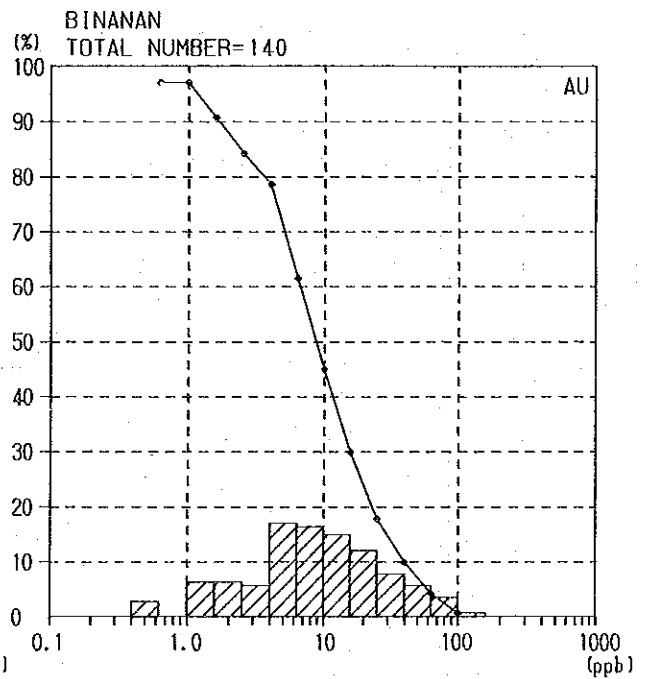
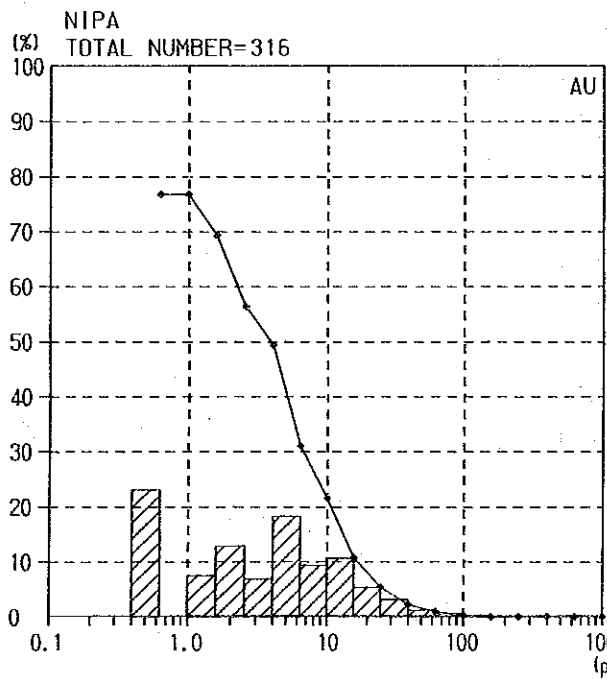
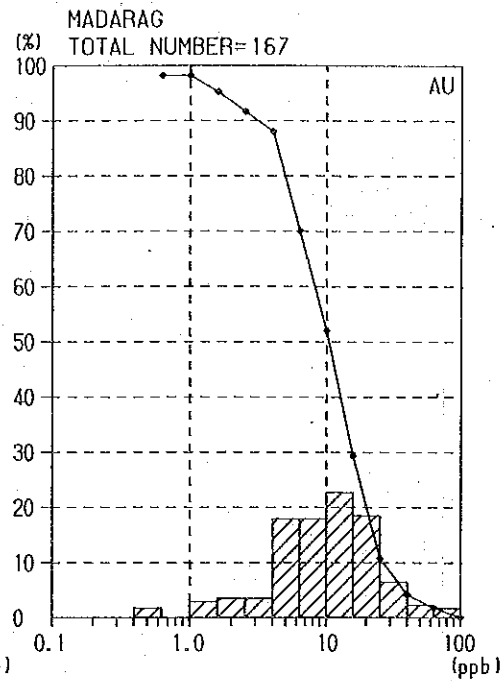
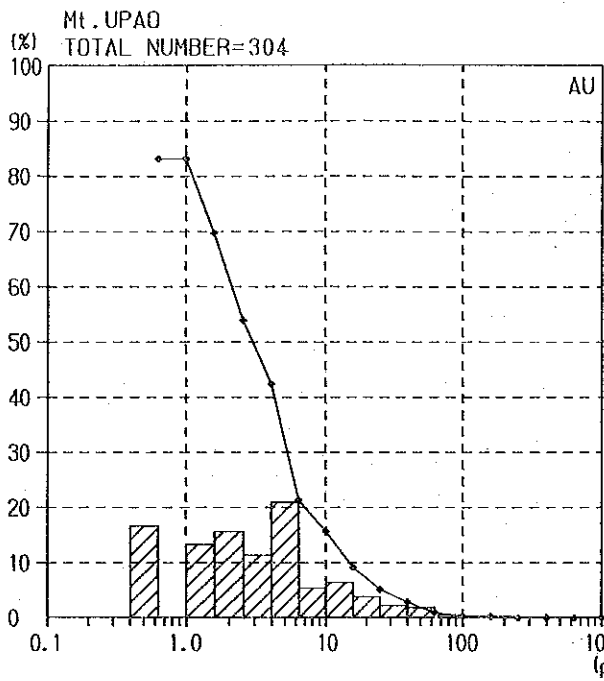
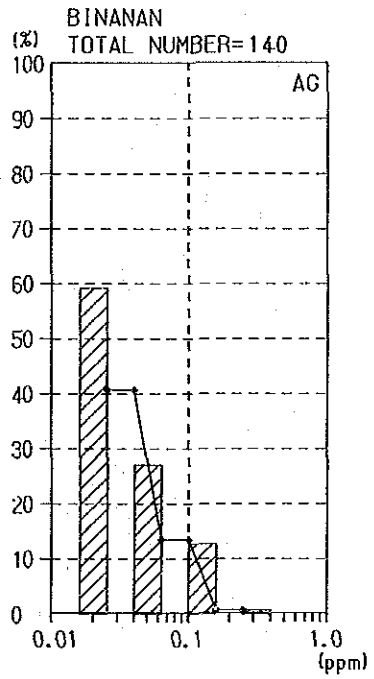
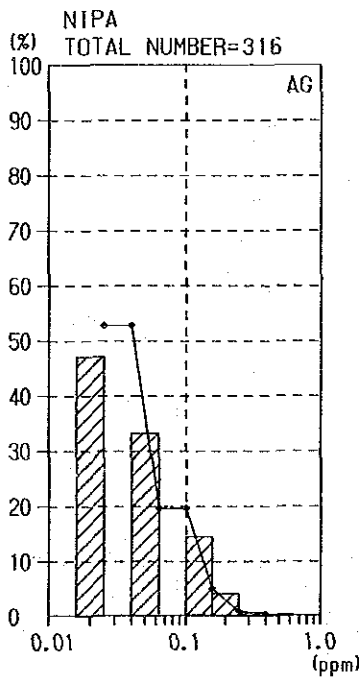
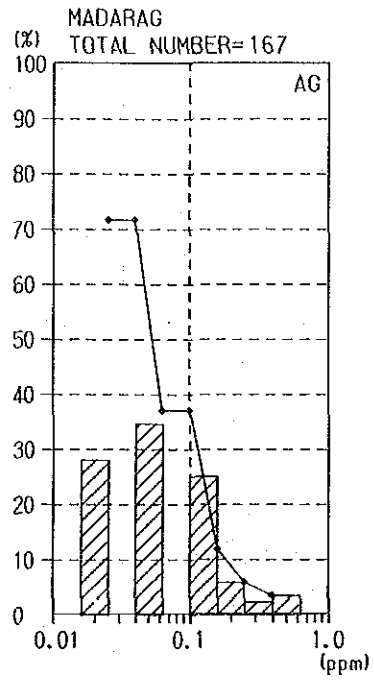
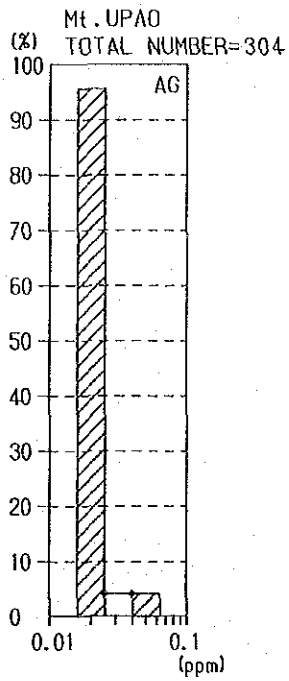


NIPA Area

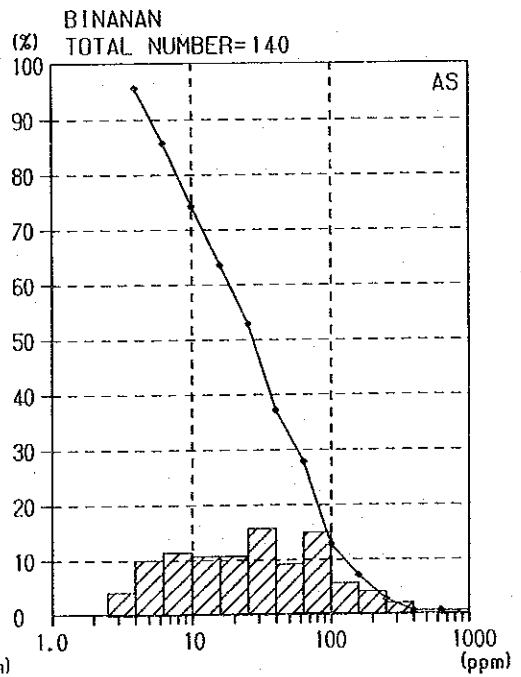
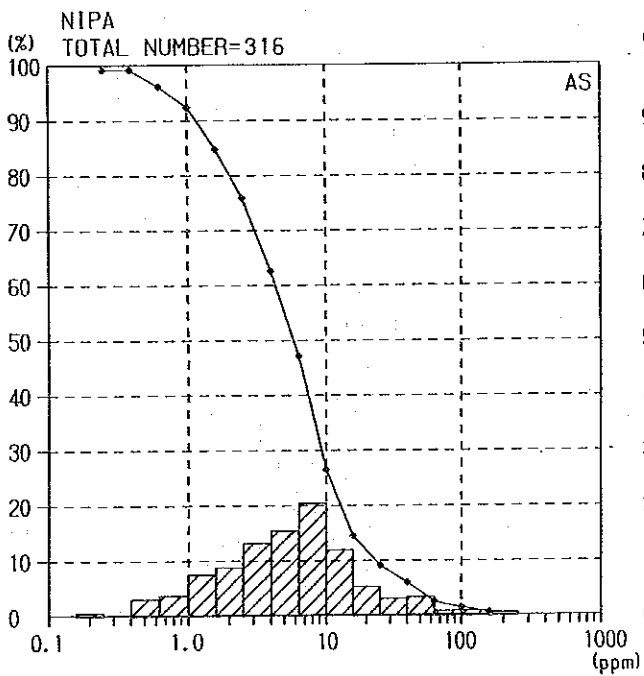
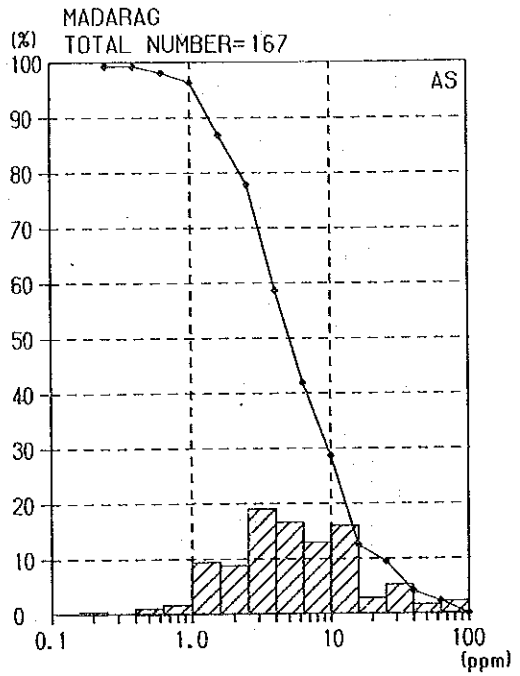
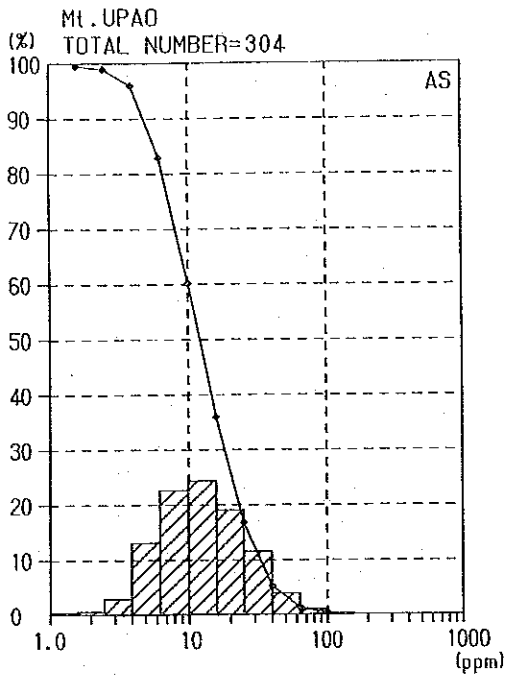
| Ser. No. | Sample No. | CHEMEX DATA |        |        |        |        |        |        |        |        |        | PETROLAB DATA |        |        |        |  |
|----------|------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|--------|--------|--------|--|
|          |            | Au ppb      | Ag ppm | As ppm | Bi ppm | Cu ppm | Hg ppm | Mo ppm | Pb ppm | Sb ppm | Zn ppm | Mn ppm        | Cu ppm | Pb ppm | Zn ppm |  |
| 301      | NJ 06S     | <1          | <0.05  | 0.8    | <0.2   | 1.6    | <0.1   | 1.2    | 1.5    | <0.2   | 17     | 233           | 7      | -10    | 17     |  |
| 302      | NK 00      | <1          | <0.05  | 0.8    | 0.2    | 5.0    | <0.1   | 1.2    | 1.5    | <0.2   | 23     | 538           | 11     | -10    | 23     |  |
| 303      | NK 01N     | <1          | <0.05  | 1.4    | 0.2    | 23.2   | <0.1   | 2.0    | 3.0    | <0.2   | 70     | 448           | 30     | -10    | 59     |  |
| 304      | NK 02N     | <1          | <0.05  | 7.4    | <0.2   | 6.2    | <0.1   | 1.0    | 2.5    | <0.2   | 44     | 328           | 12     | -10    | 40     |  |
| 305      | NK 03N     | <1          | 0.05   | 2.0    | 0.2    | 20.2   | 0.2    | 1.2    | 6.0    | <0.2   | 96     | 410           | 27     | -10    | 81     |  |
| 306      | NK 04N     | <1          | <0.05  | 1.2    | 0.2    | 13.2   | 0.2    | 1.0    | 2.5    | <0.2   | 66     | 438           | 20     | -10    | 60     |  |
| 307      | NK 05N     | <1          | <0.05  | 1.4    | 0.2    | 55.8   | 0.1    | 1.0    | 2.0    | <0.2   | 78     | 704           | 62     | -10    | 66     |  |
| 308      | NK 06N     | 1           | <0.05  | 2.4    | 0.6    | 70.2   | <0.1   | 5.8    | 1.5    | <0.2   | 114    | 881           | 75     | -10    | 98     |  |
| 309      | NK 07N     | 2           | 0.05   | 9.2    | <0.2   | 50.6   | 0.1    | 2.0    | 6.5    | <0.2   | 49     | 588           | 57     | -10    | 48     |  |
| 310      | NK 08N     | 3           | 0.10   | 9.2    | <0.2   | 42.8   | <0.1   | 1.6    | 7.5    | <0.2   | 42     | 513           | 52     | 10     | 41     |  |
| 311      | NK 09N     | 3           | 0.05   | 9.2    | 0.2    | 42.4   | <0.1   | 1.8    | 8.0    | <0.2   | 41     | 499           | 53     | -10    | 42     |  |
| 312      | NK 10N     | 2           | 0.05   | 10.0   | 0.2    | 41.8   | <0.1   | 2.0    | 7.0    | <0.2   | 46     | 425           | 54     | -10    | 41     |  |
| 313      | NK 01S     | <1          | <0.05  | 2.0    | 0.2    | 25.0   | <0.1   | 2.4    | 1.5    | <0.2   | 24     | 387           | 34     | -10    | 24     |  |
| 314      | NK 02S     | <1          | <0.05  | 1.0    | 0.2    | 15.6   | <0.1   | 1.4    | 1.0    | <0.2   | 20     | 246           | 22     | -10    | 14     |  |
| 315      | NK 03S     | <1          | <0.05  | 0.8    | <0.2   | 4.2    | <0.1   | 1.0    | 1.0    | <0.2   | 11     | 254           | 11     | -10    | 15     |  |
| 316      | NK 04S     | <1          | <0.05  | 1.4    | 0.2    | 13.2   | <0.1   | 1.6    | 1.0    | <0.2   | 9      | 175           | 20     | -10    | 11     |  |



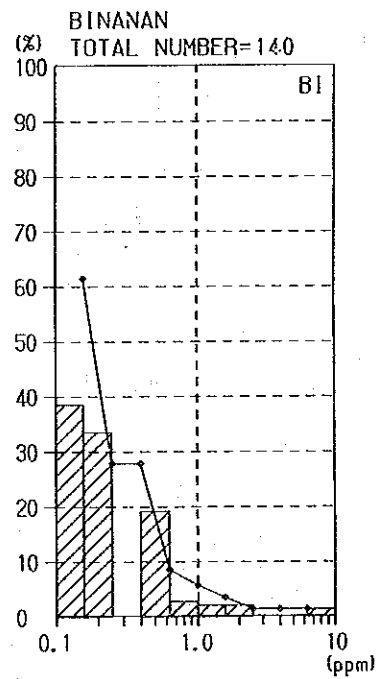
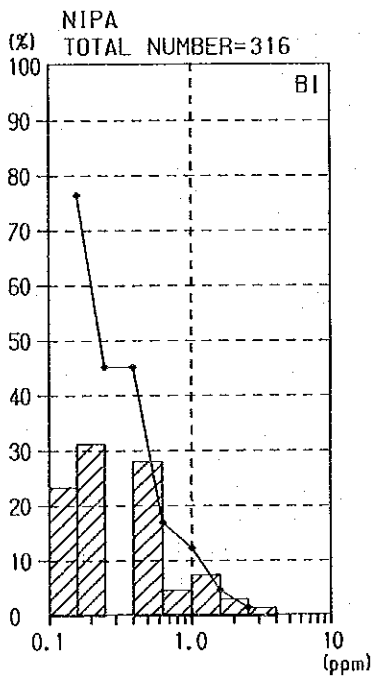
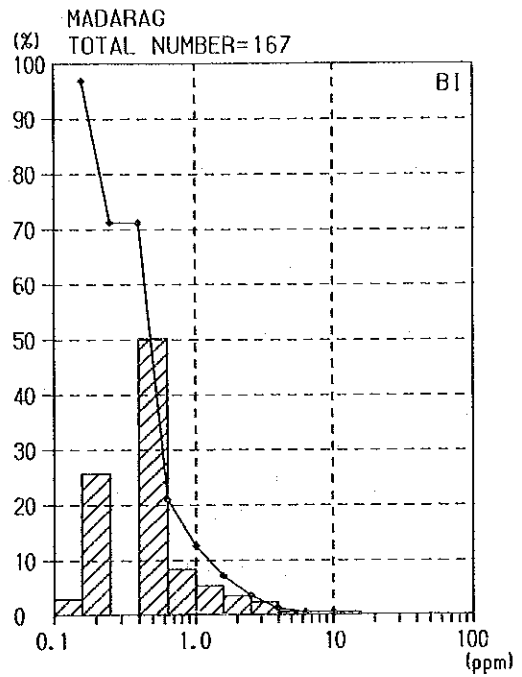
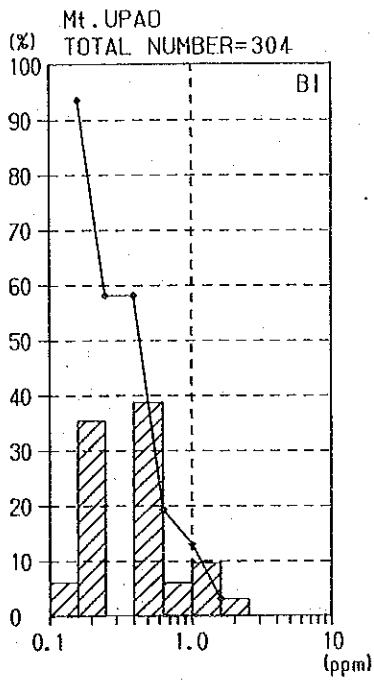
Apx. 2 Histogram and Cumulative Frequency of Au



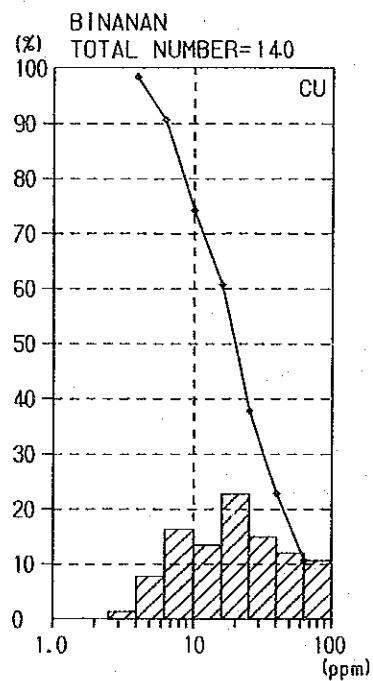
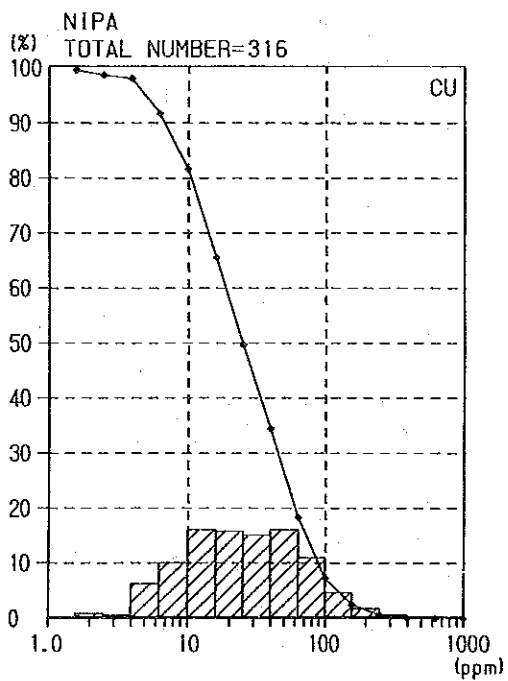
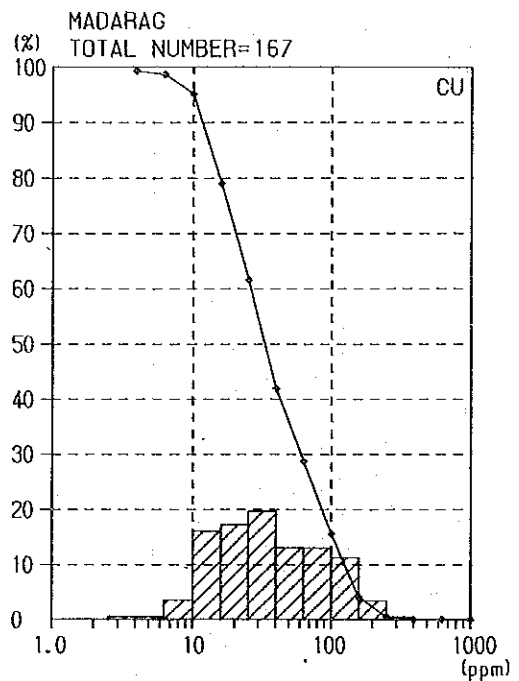
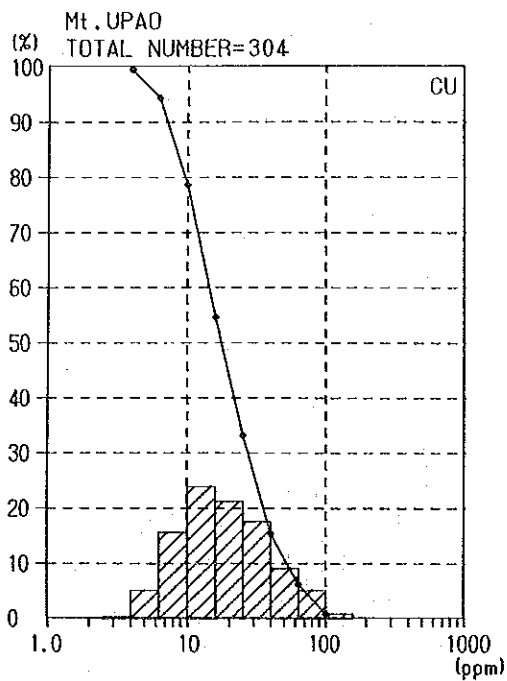
Apx. 3 Histogram and Cumulative Frequency of Ag



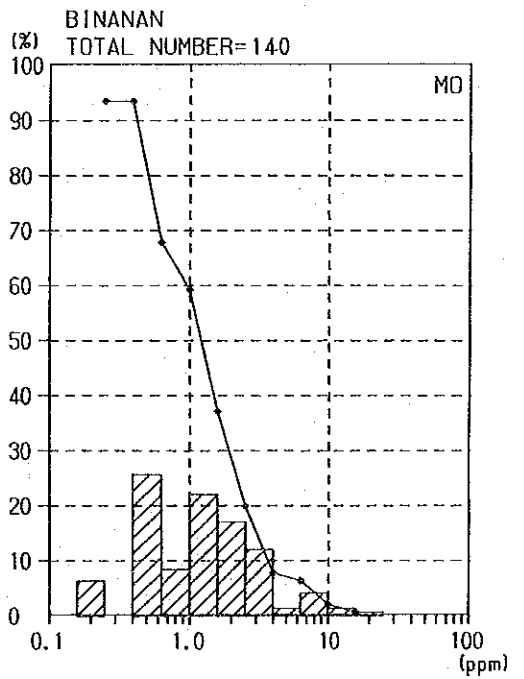
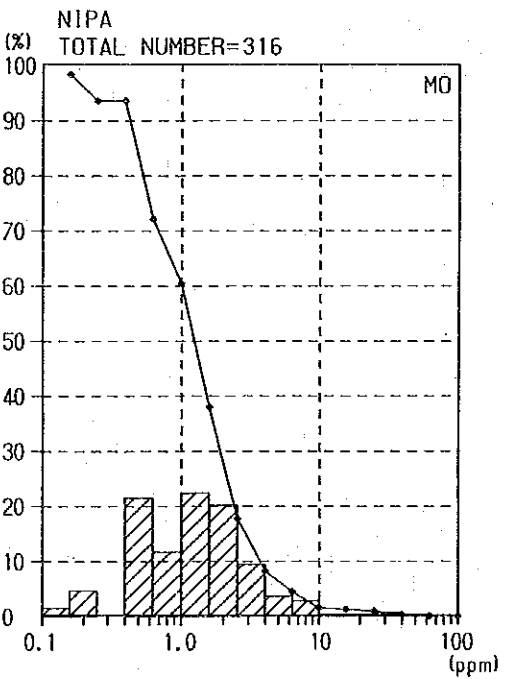
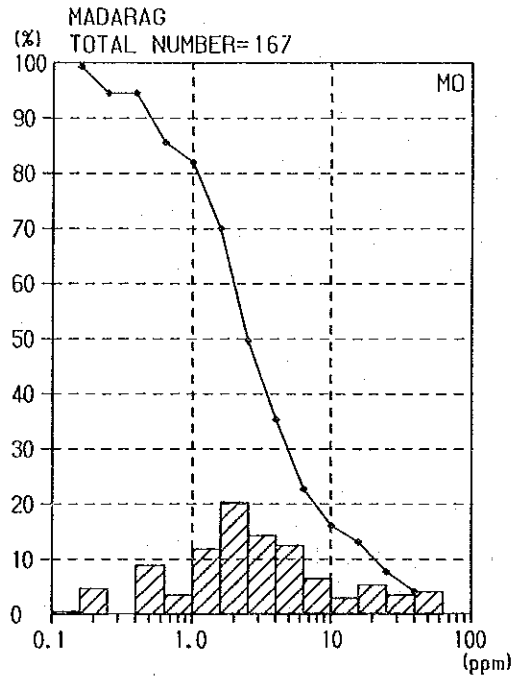
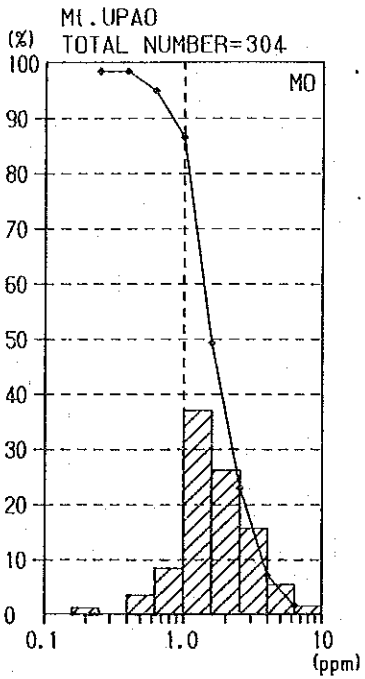
Apx. 4 Histogram and Cumulative Frequency of As



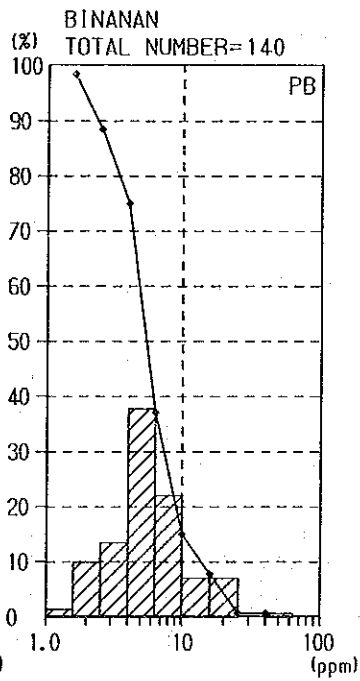
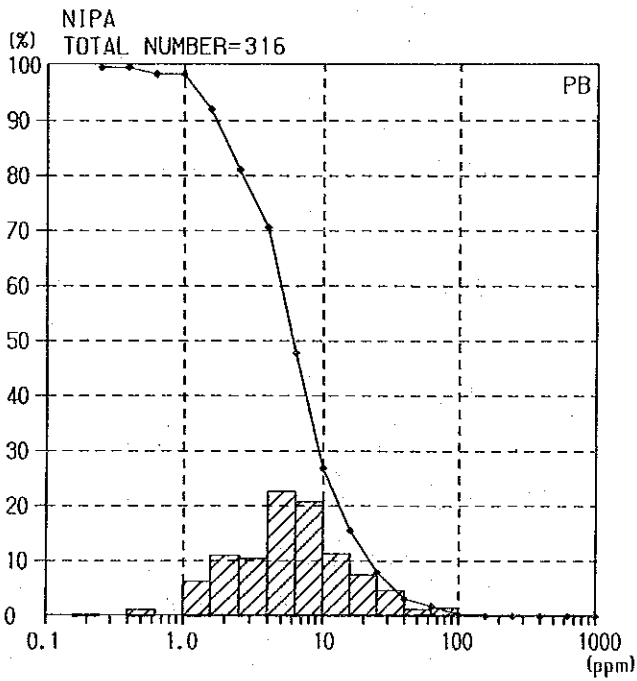
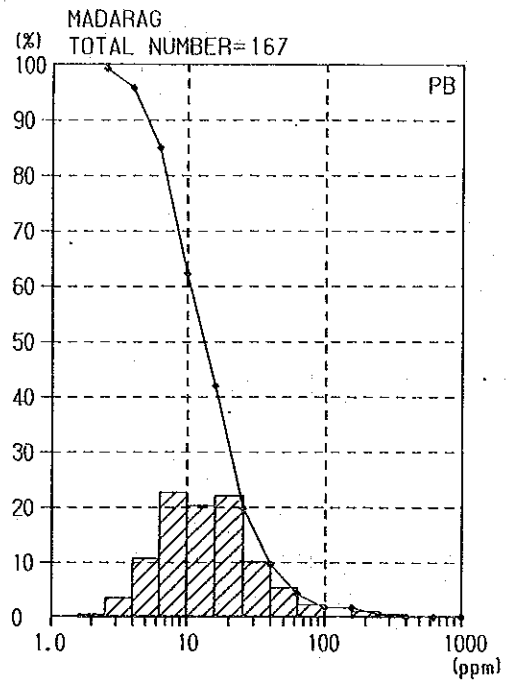
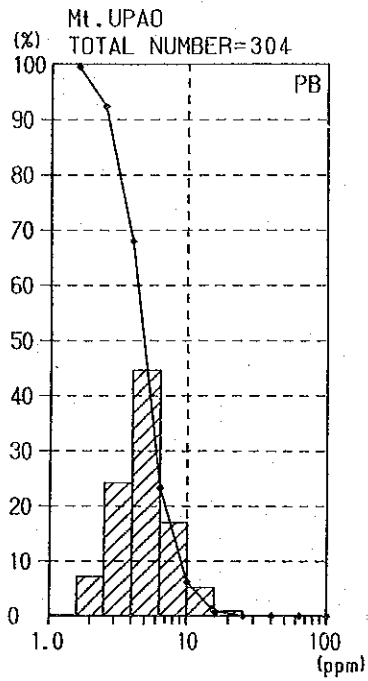
Apx. 5 Histogram and Cumulative Frequency of Bi



Apx. 6 Histogram and Cumulative Frequency of Cu

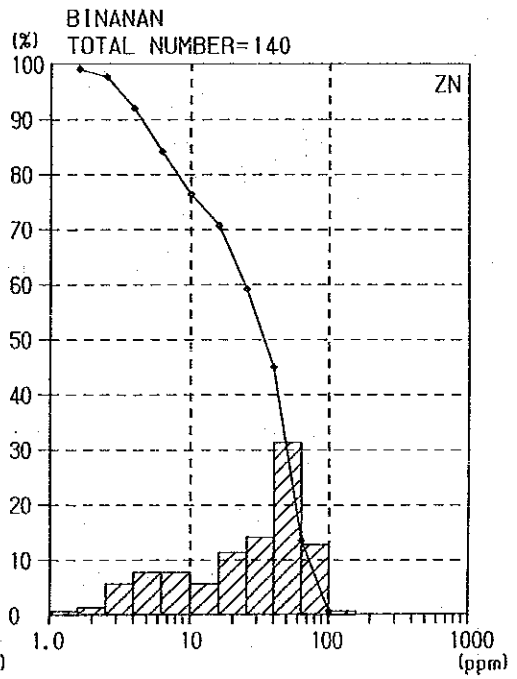
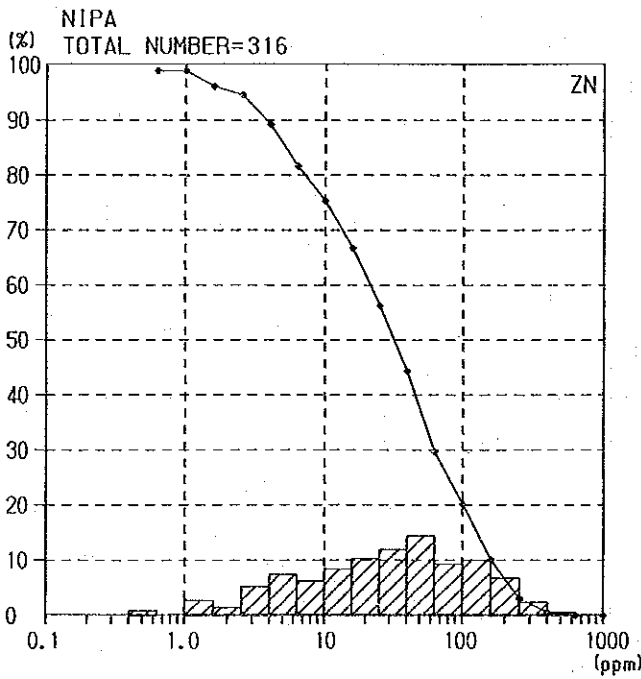
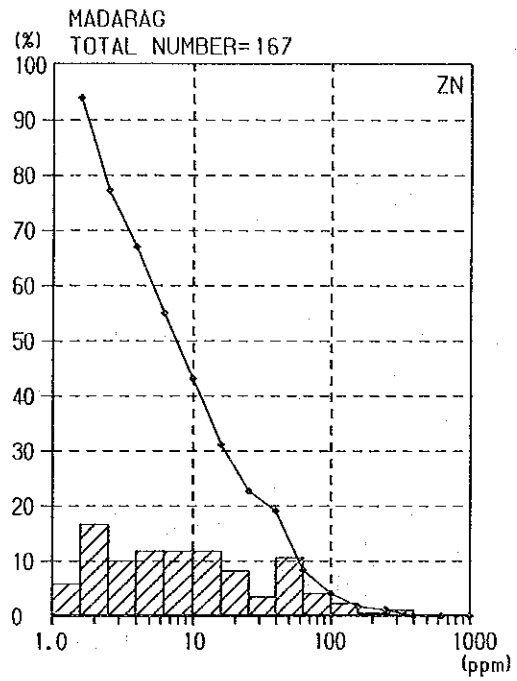
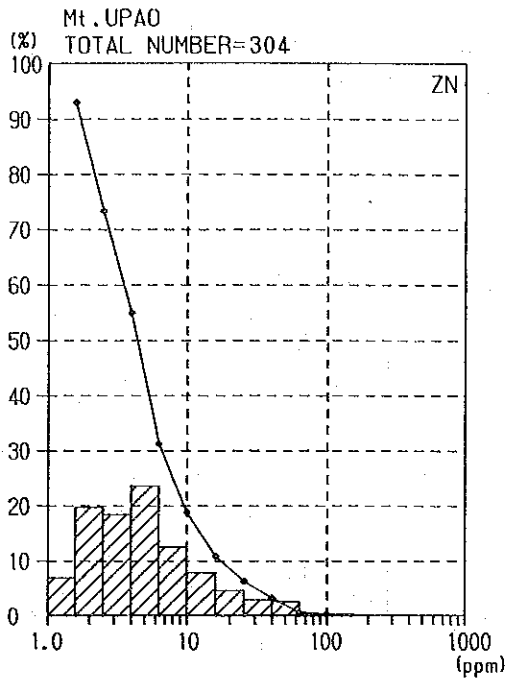


Apx. 7 Histogram and Cumulative Frequency of Mo

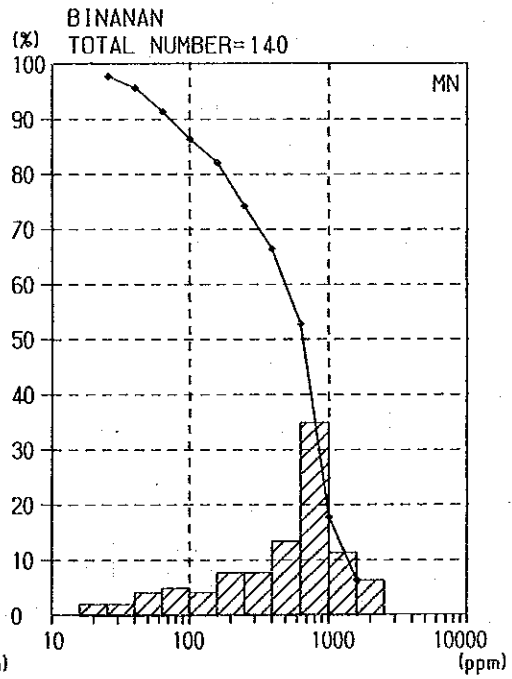
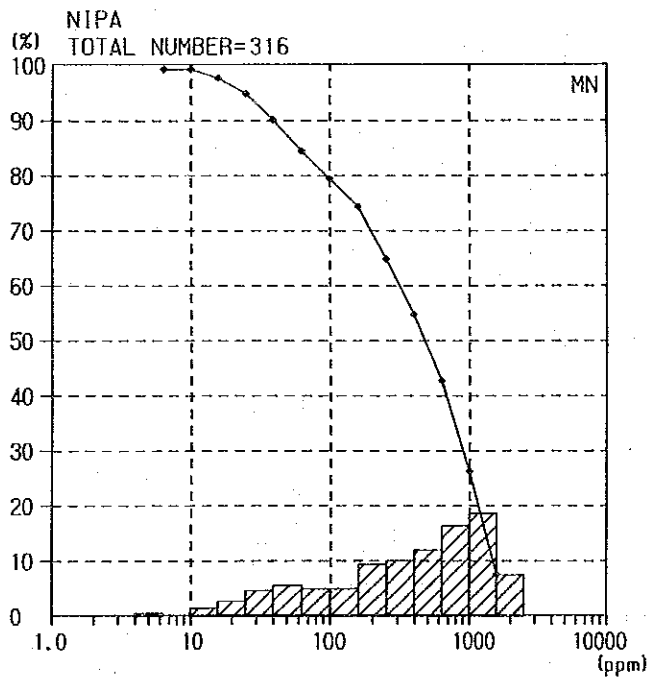
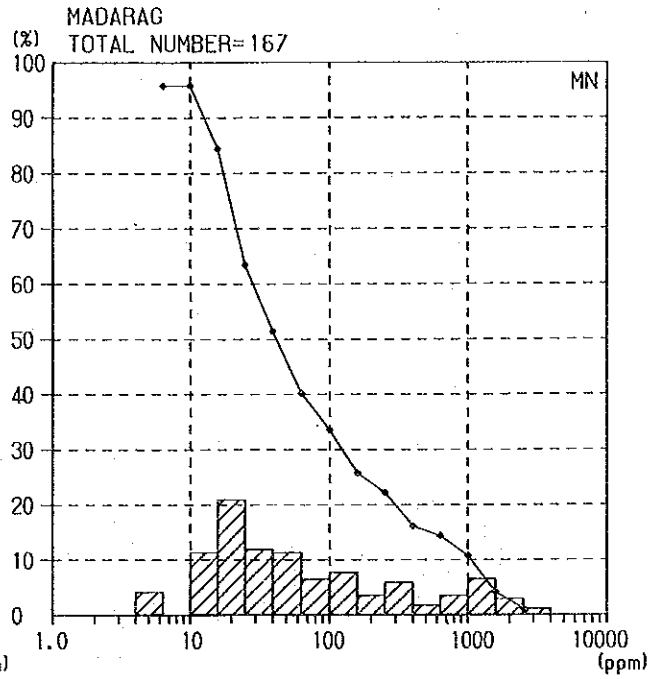
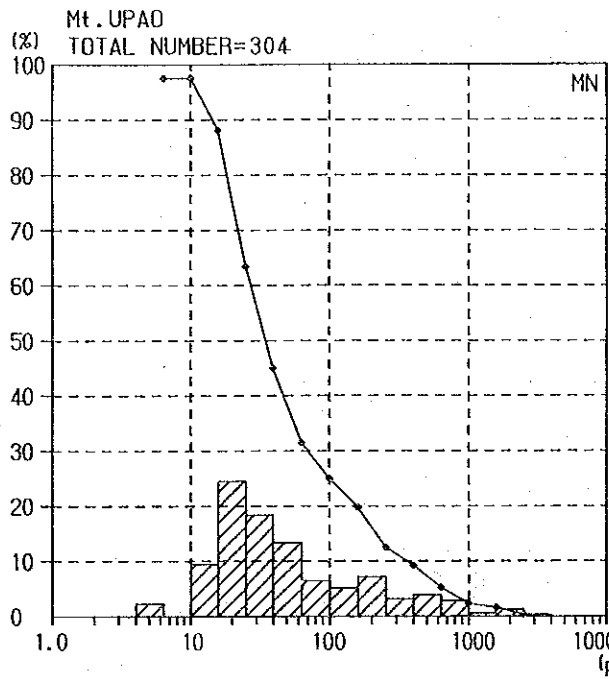


Apx. 8 Histogram and Cumulative Frequency of Pb

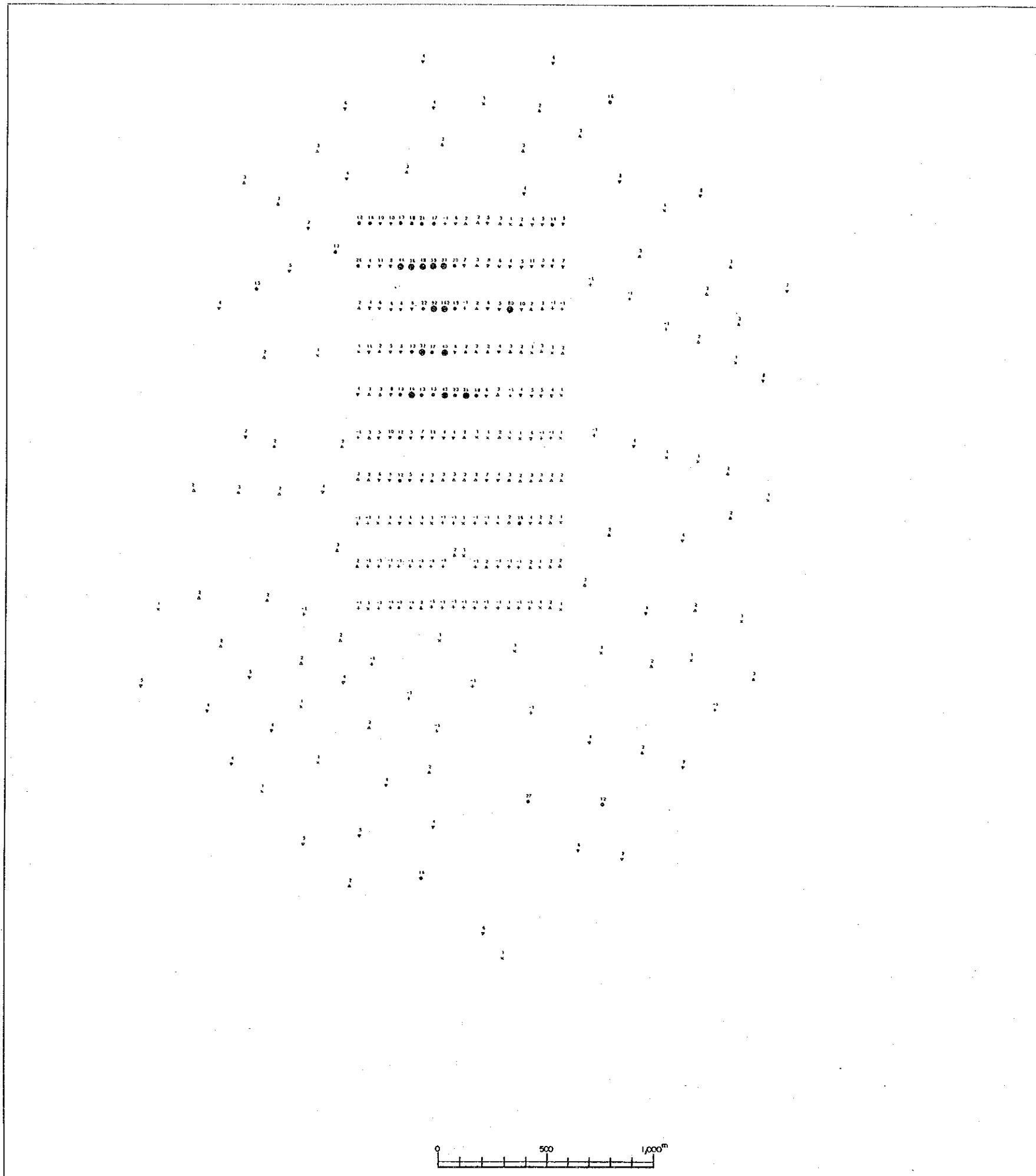




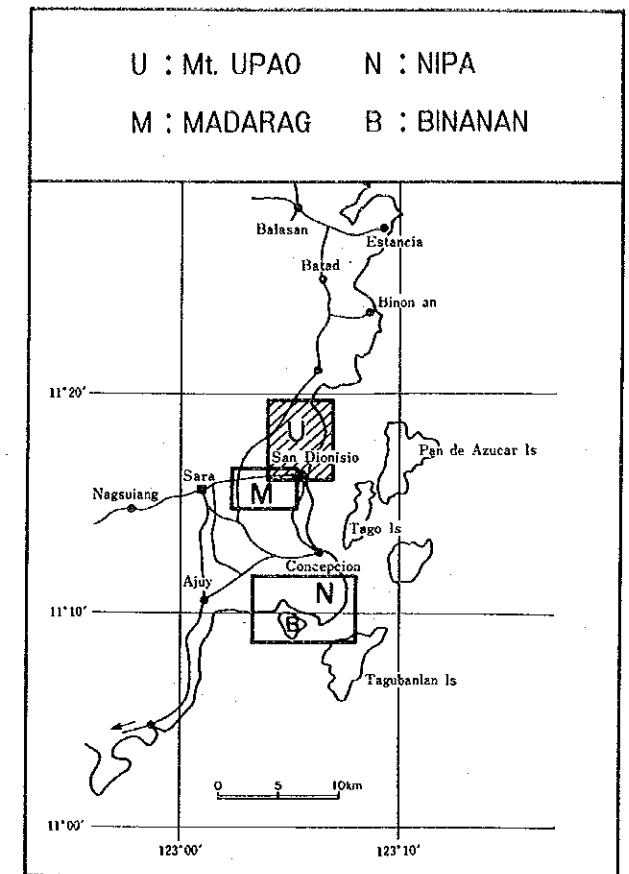
Apx. 9 Histogram and Cumulative Frequency of Zn



Apx. 10 Histogram and Cumulative Frequency of Mn



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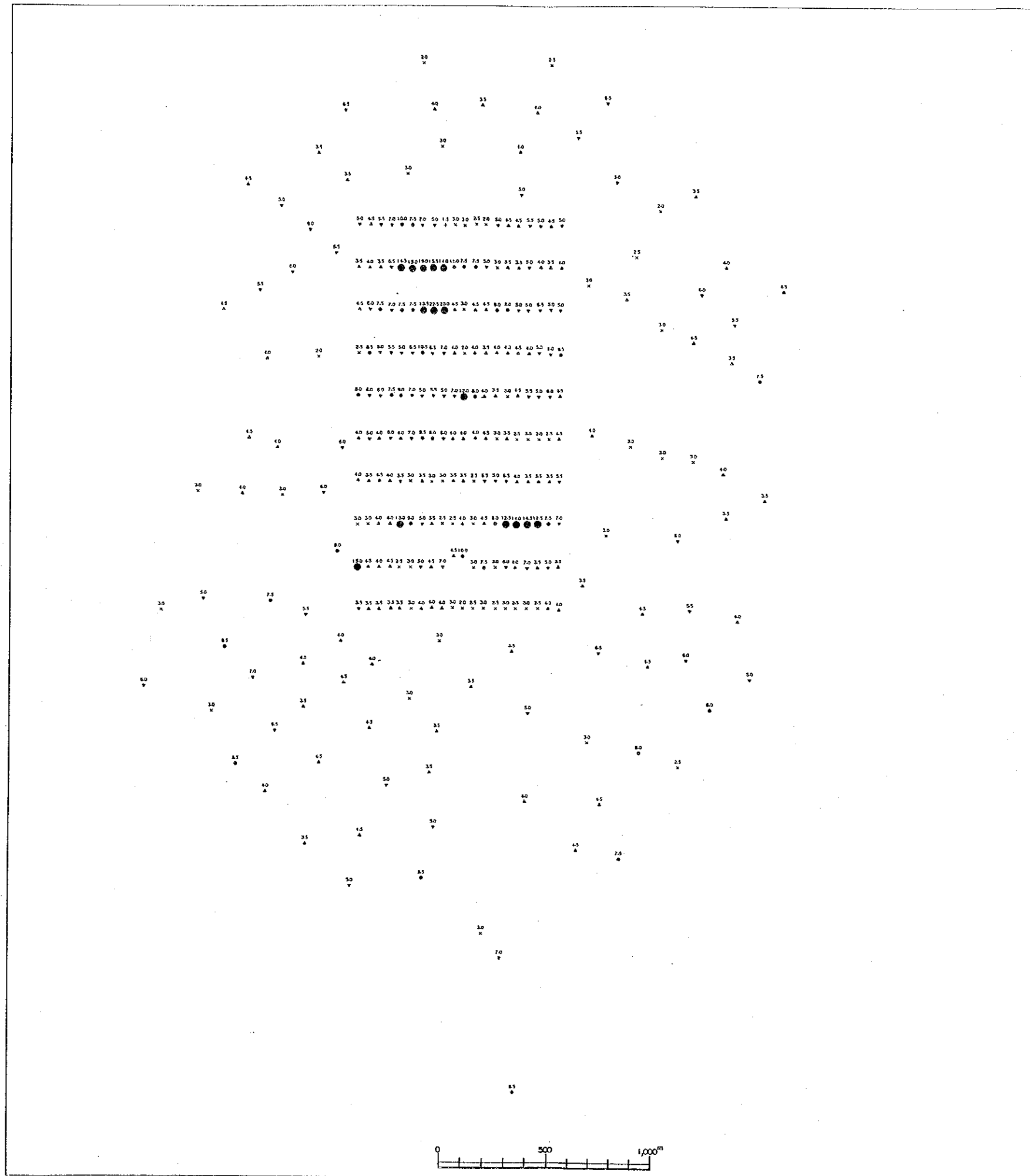


LEGEND

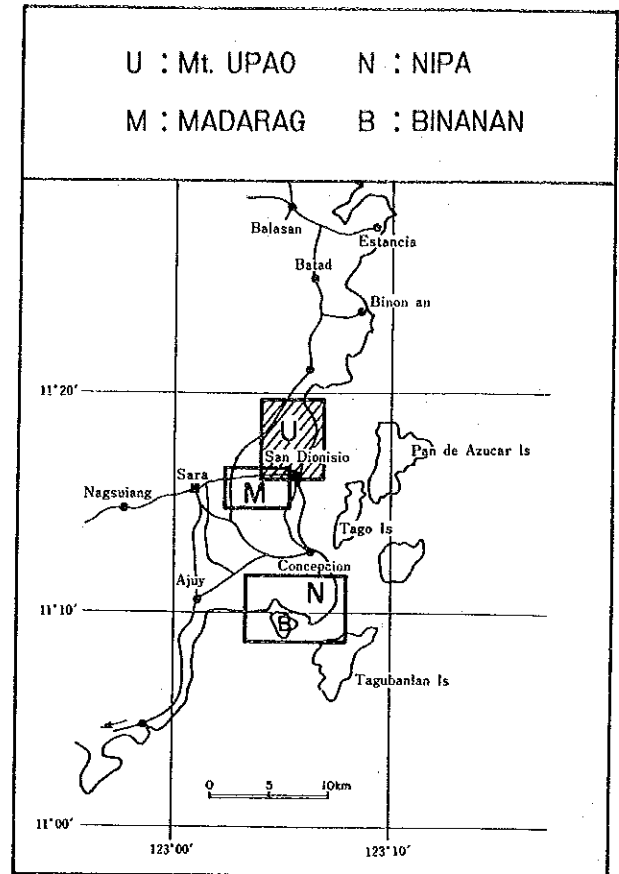
- $> = 30.9 (M + 2\sigma)$
- $30.9 > \bullet > = 11.1 (M + \sigma)$
- $11.1 > \nabla > = 4.0 (M)$
- $4.0 > \Delta > = 1.4 (M - \sigma)$
- $1.4 > \times > = 0.5 (M - 2\sigma)$
- $0.5 > +$

PL. 1-5 Geochemical Plot of Au, Mt. Upao Area





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LEGEND

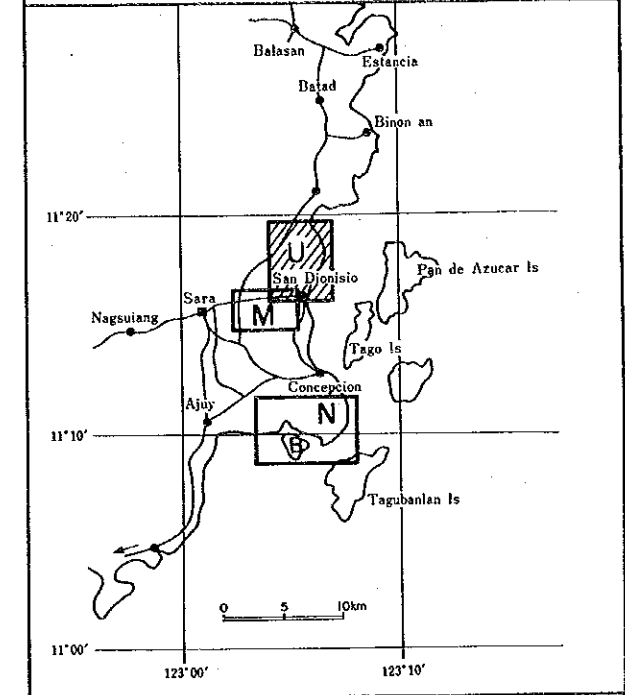
- > = 80.48 (M + 2σ)
- 80.48 > • > = 38.66 (M + σ)
- 38.66 > ▽ > = 18.57 (M)
- 18.57 > △ > = 8.92 (M - σ)
- 8.92 > × > = 4.29 (M - 2σ)
- 4.29 > +

PL. 1-6 Geochemical Plot of Cu, Mt. Upao Area



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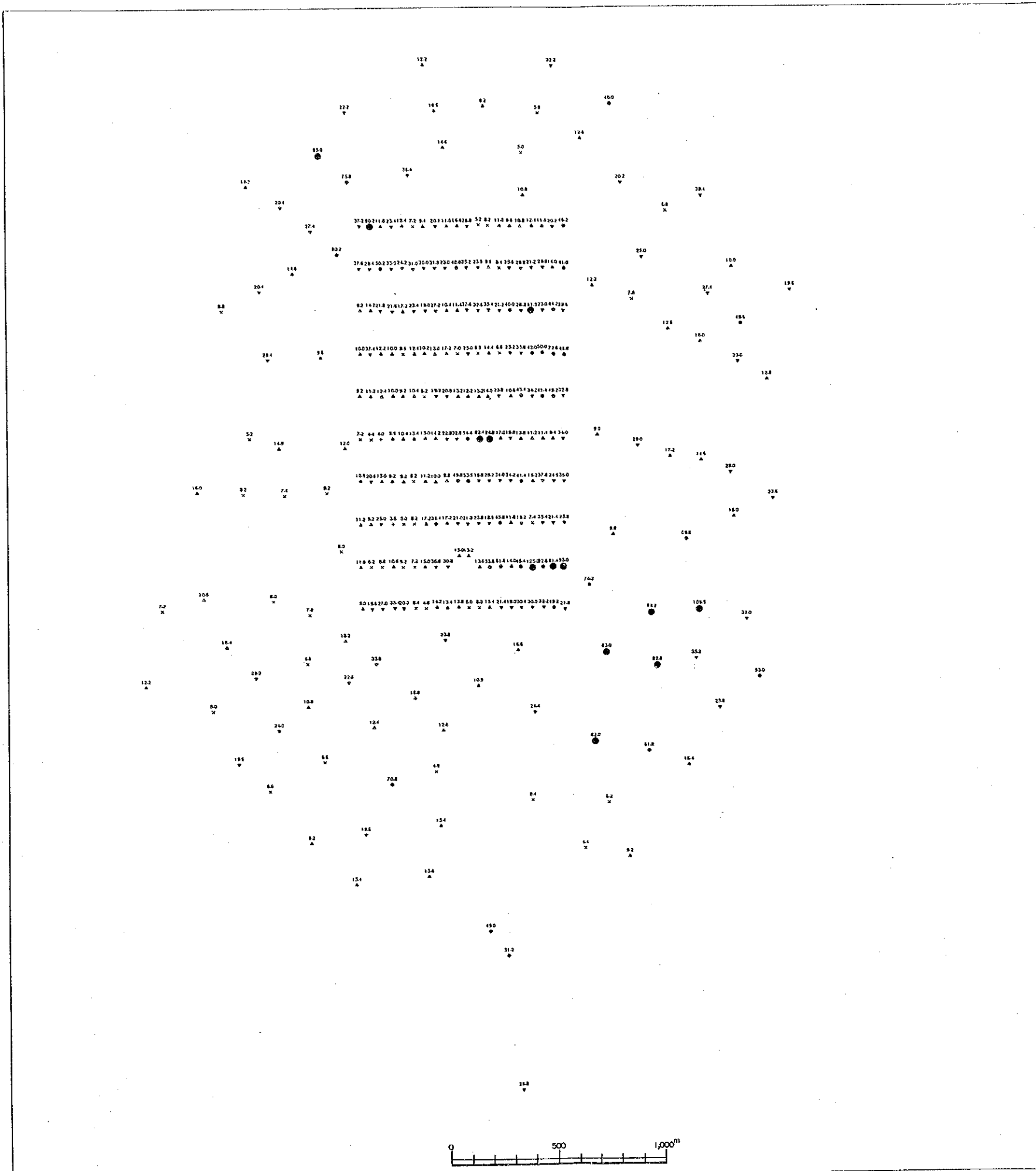
U : Mt. UPAO    N : NIPA  
M : MADARAG    B : BINANAN



LEGEND

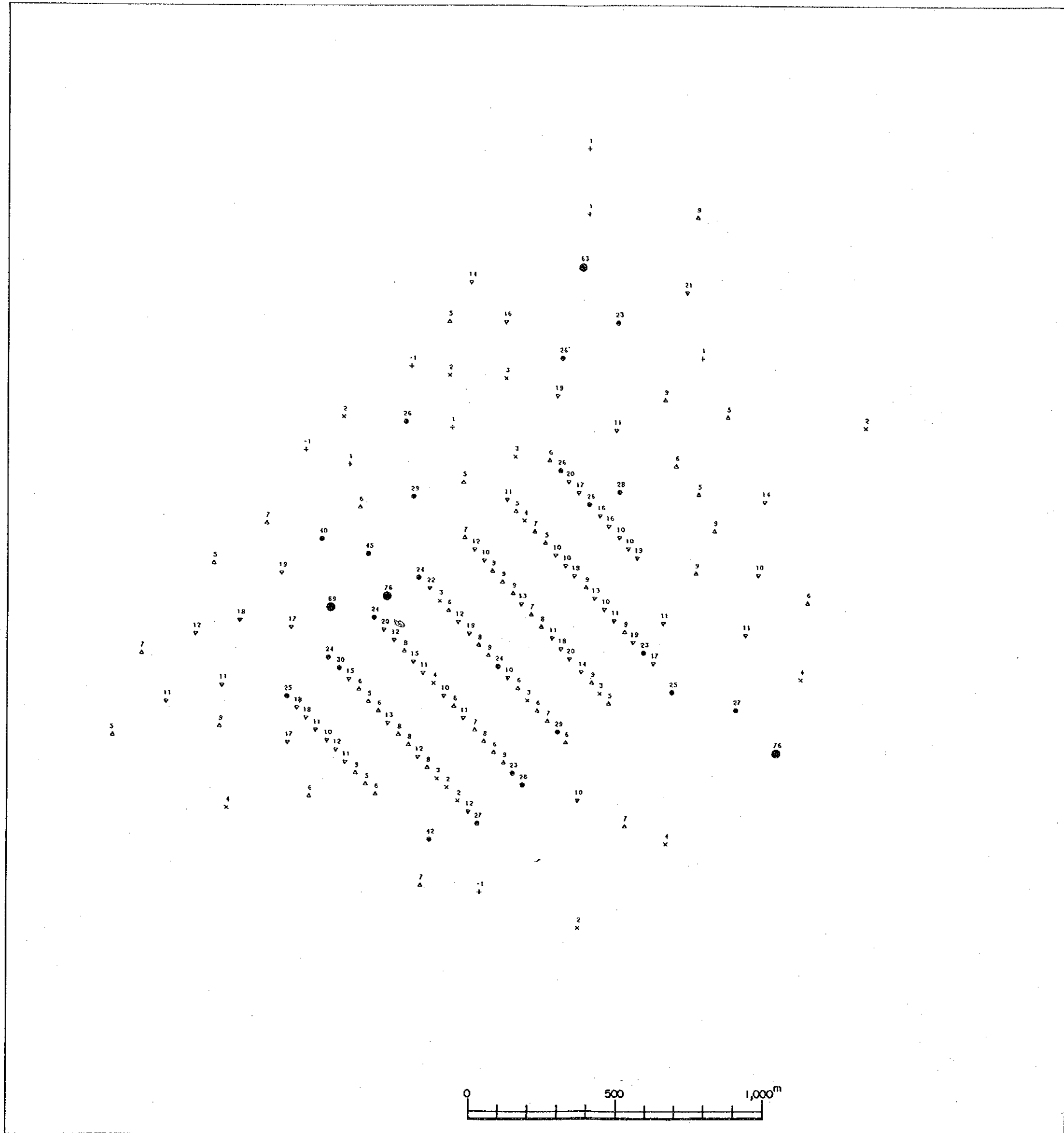
- > = 11.47 (M + 2σ)
- > = 7.34 (M + σ)
- ▽ > = 4.70 (M)
- △ > = 3.01 (M - σ)
- X > = 1.93 (M - 2σ)
- + >

PL. 1-7 Geochemical Plot of Pb, Mt. Upao Area

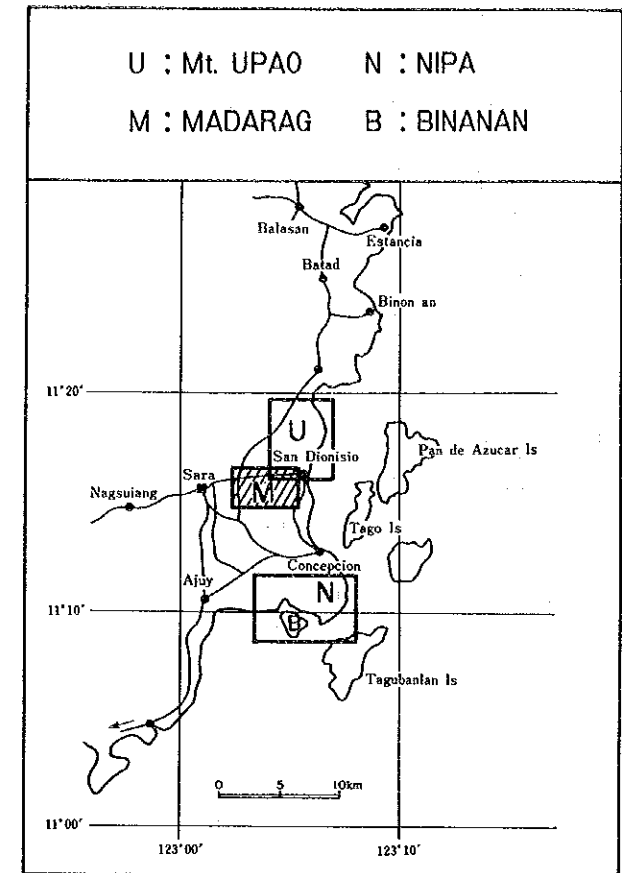








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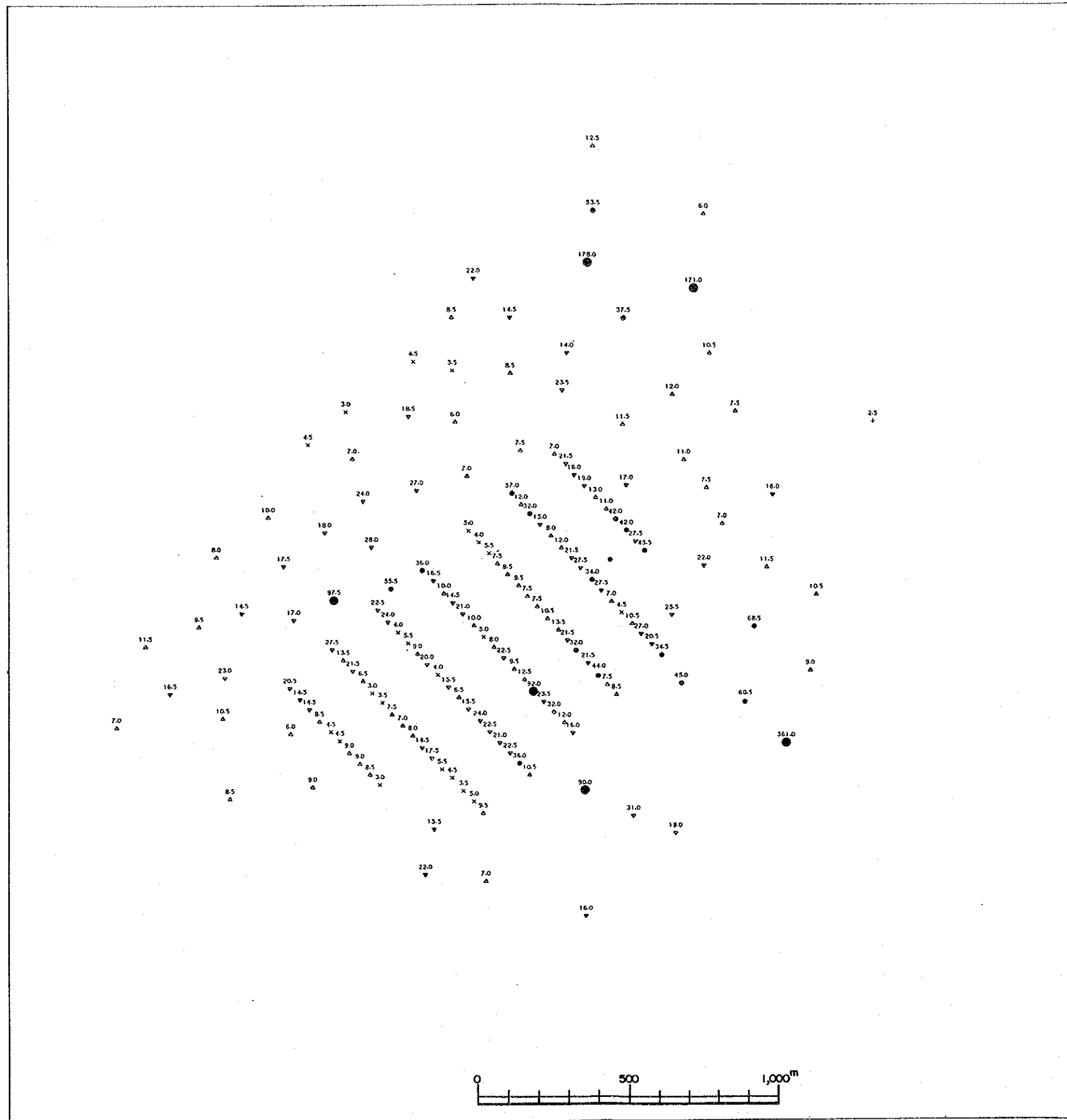


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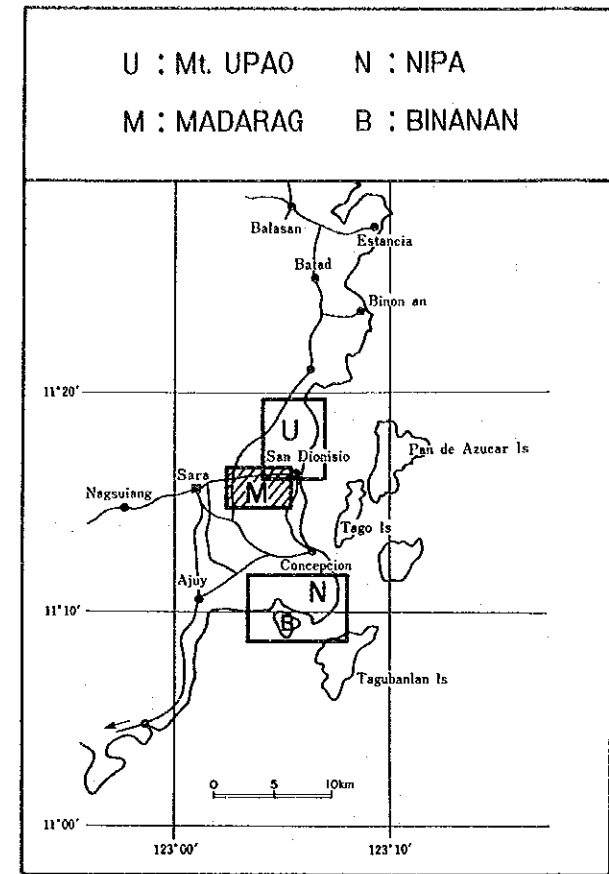
- > = 51.6 (M + 2σ)
- 51.6 > ● > = 22.4 (M + σ)
- 22.4 > ▽ > = 9.7 (M)
- 9.7 > △ > = 4.2 (M - σ)
- 4.2 > × > = 1.8 (M - 2σ)
- 1.8 > +

PL. 2-5 Geochemical Plot of Au, Madarag Area





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LEGEND

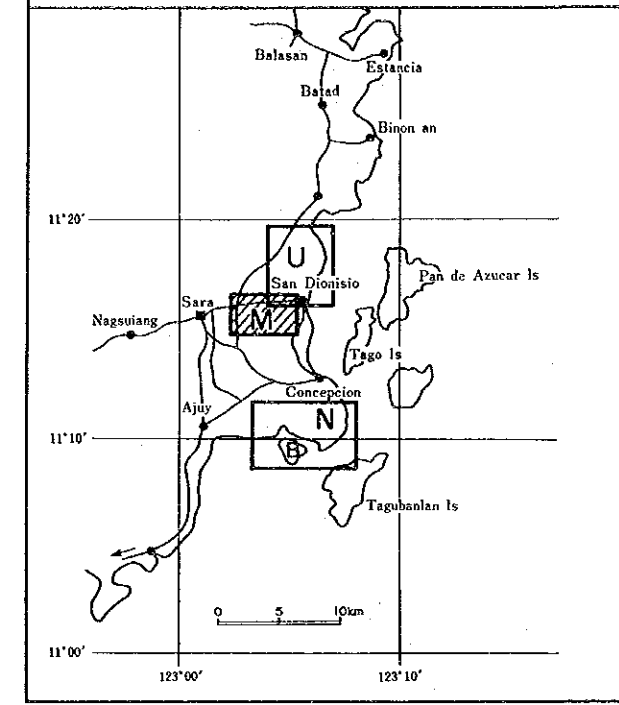
- $\geq 73.87 (M + 2\sigma)$
- $73.87 > \bullet \geq 31.98 (M + \sigma)$
- ▽  $31.98 > \nabla \geq 13.84 (M)$
- △  $13.84 > \triangle \geq 5.99 (M - \sigma)$
- ×  $5.99 > \times \geq 2.59 (M - 2\sigma)$
- +  $2.59 > +$

PL. 2-6 Geochemical Plot of Pb, Madarag Area



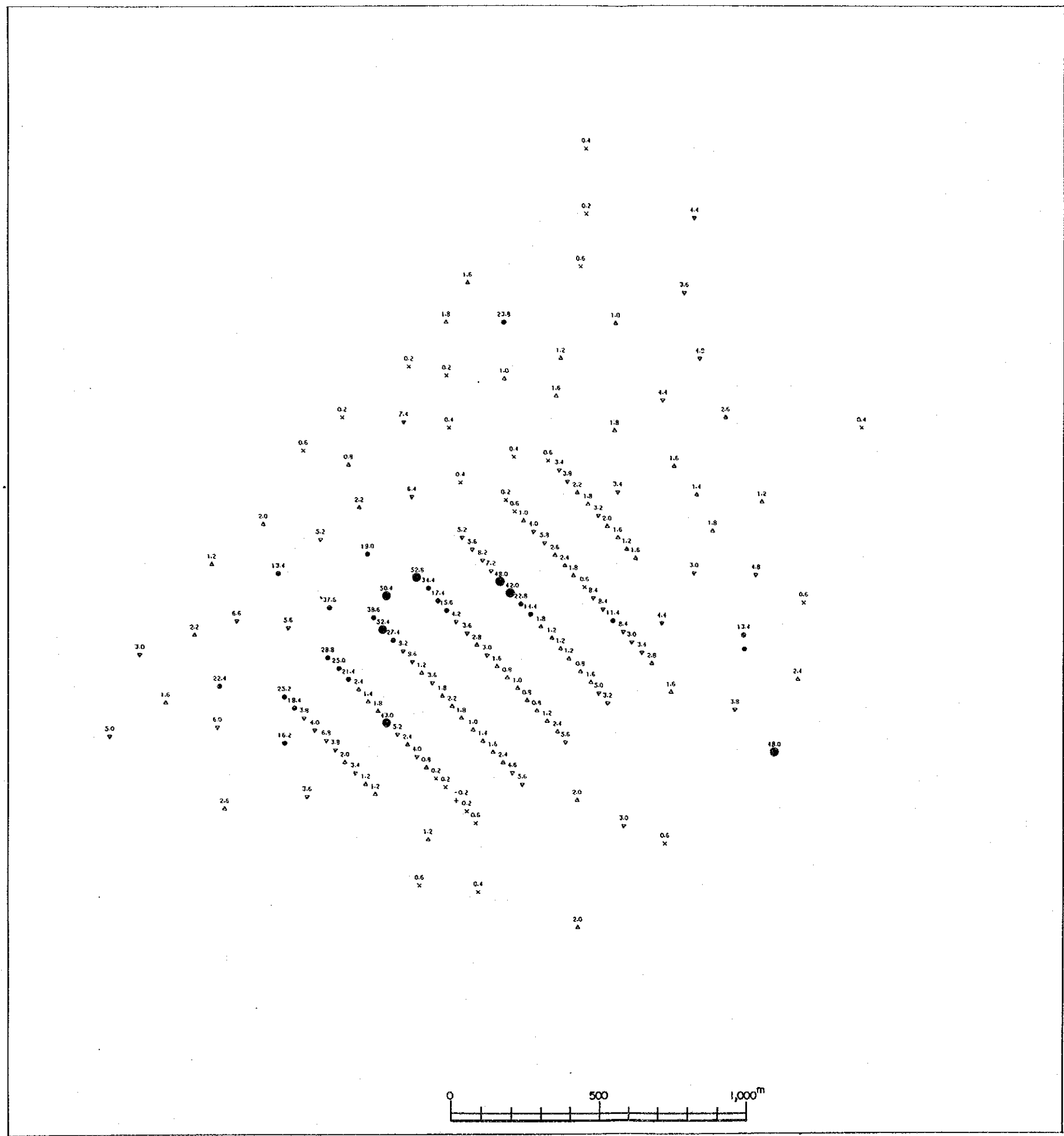
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LEGEND

- $\geq 39.84 (M + 2\sigma)$
- $39.84 > \bullet \geq 10.62 (M + \sigma)$
- 10.62  $> \nabla \geq 2.83 (M)$
- 2.83  $> \Delta \geq 0.76 (M - \sigma)$
- 0.76  $> \times \geq 0.20 (M - 2\sigma)$
- 0.20  $> +$

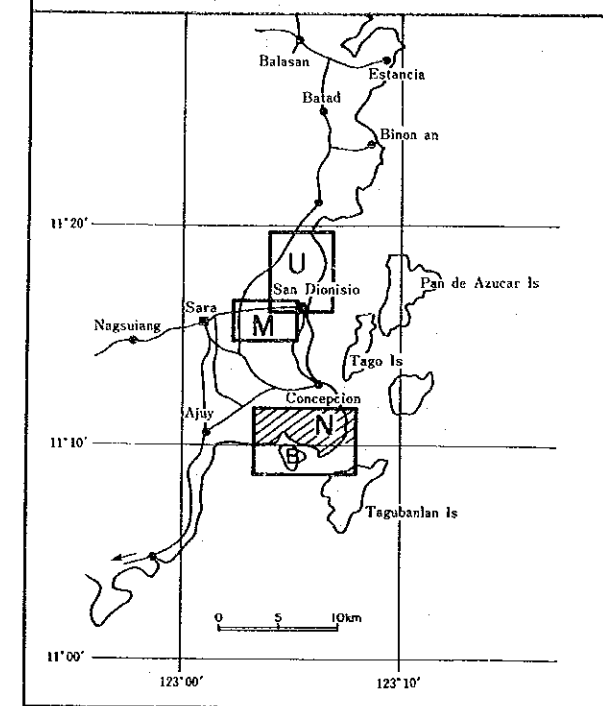


PL. 2-7 Geochemical Plot of Mo, Madarag Area



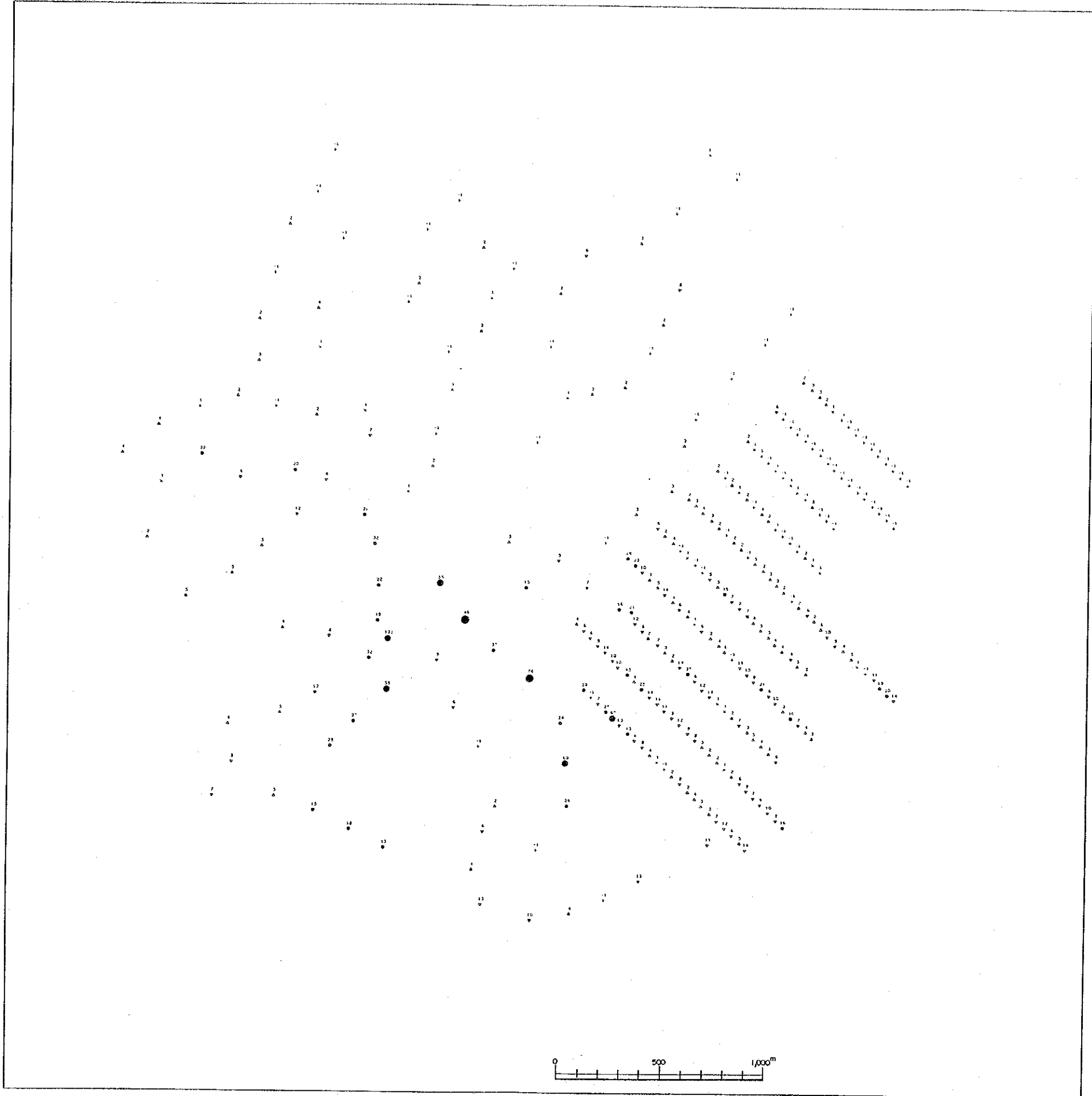
LOCATION INDEX

U : Mt. UPAO    N : NIPA  
 M : MADARAG    B : BINANAN



LEGEND

- > = 40.4 (M+2σ)
- 40.4 > • > = 14.6 (M+σ)
- 14.6 > ▽ > = 5.3 (M)
- 5.3 > △ > = 1.9 (M-σ)
- 1.9 > × > = 0.7 (M-2σ)
- 0.7 > +



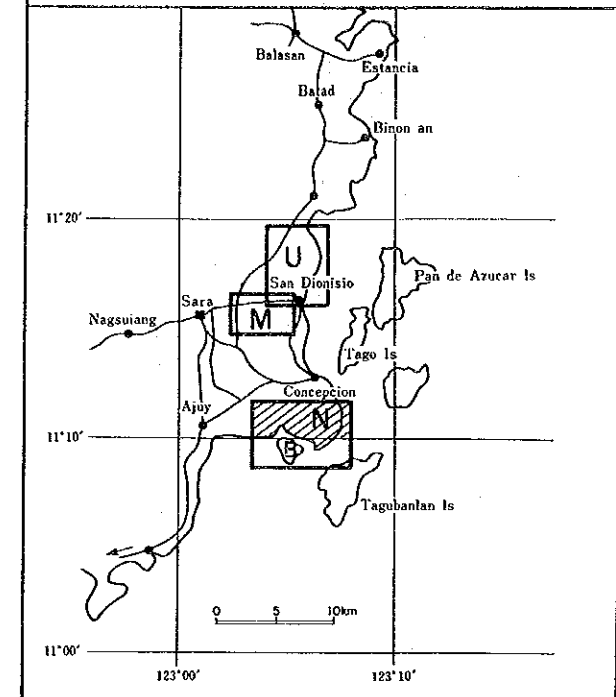
PL. 3-5 Geochemical Plot of Au, Nipa Area





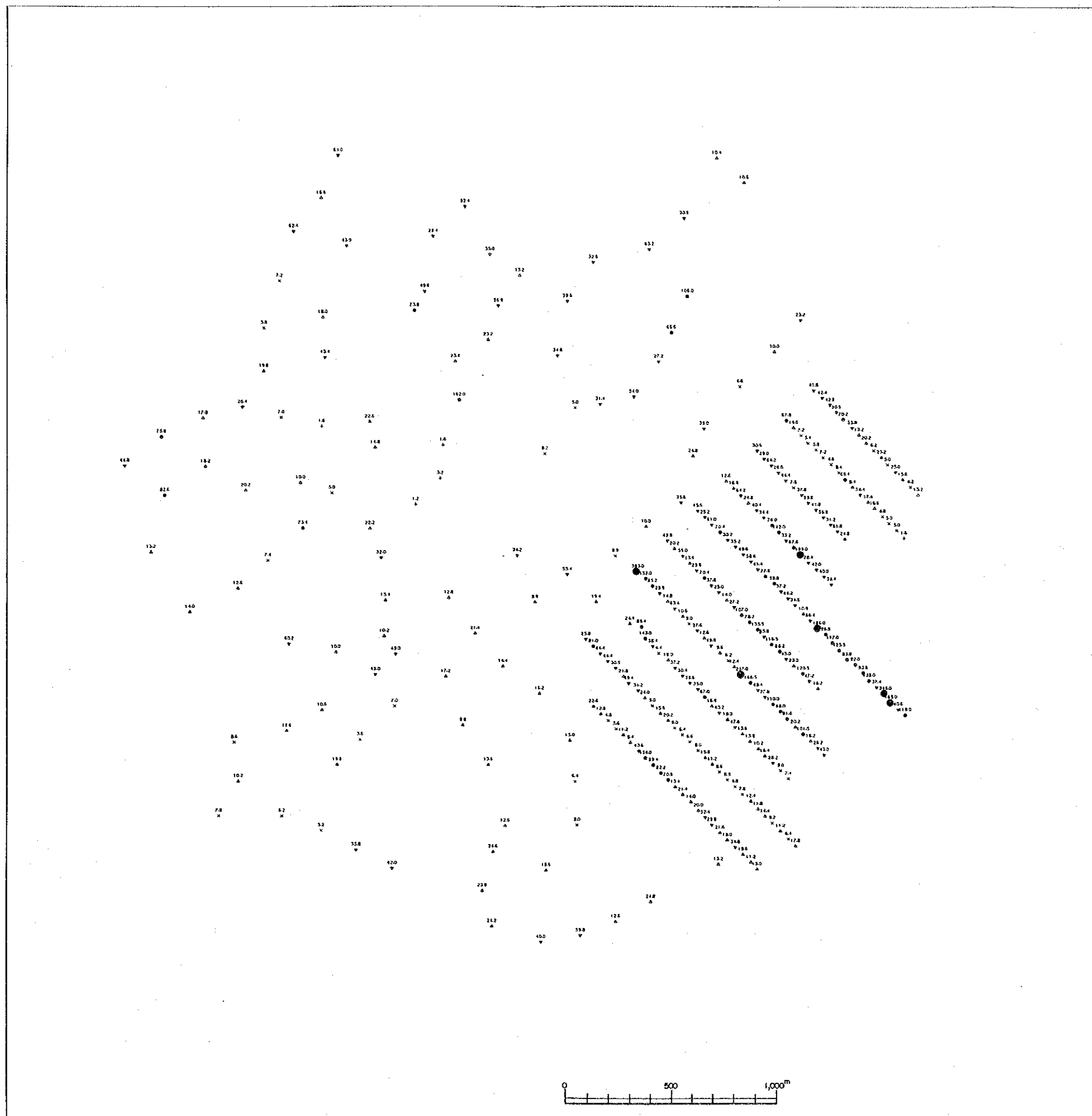
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U : Mt. UPAO    N : NIPA  
M : MADARAG    B : BINANAN



LEGEND

- > = 178.45 (M + 2σ)
- 178.45 > ● > = 66.55 (M + σ)
- 66.55 > ▽ > = 24.82 (M)
- 24.82 > △ > = 9.25 (M - σ)
- 9.25 > × > = 3.45 (M - 2σ)
- 3.45 > +

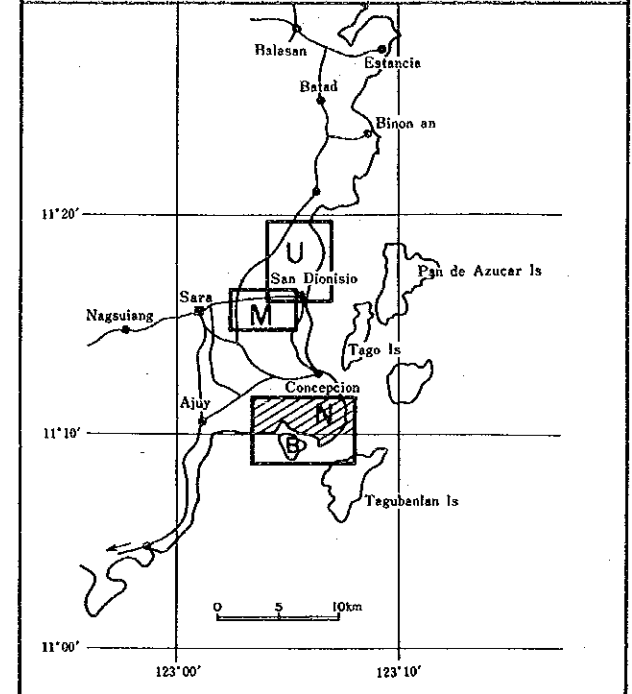


PL. 3-6 Geochemical Plot of Cu, Nipa Area



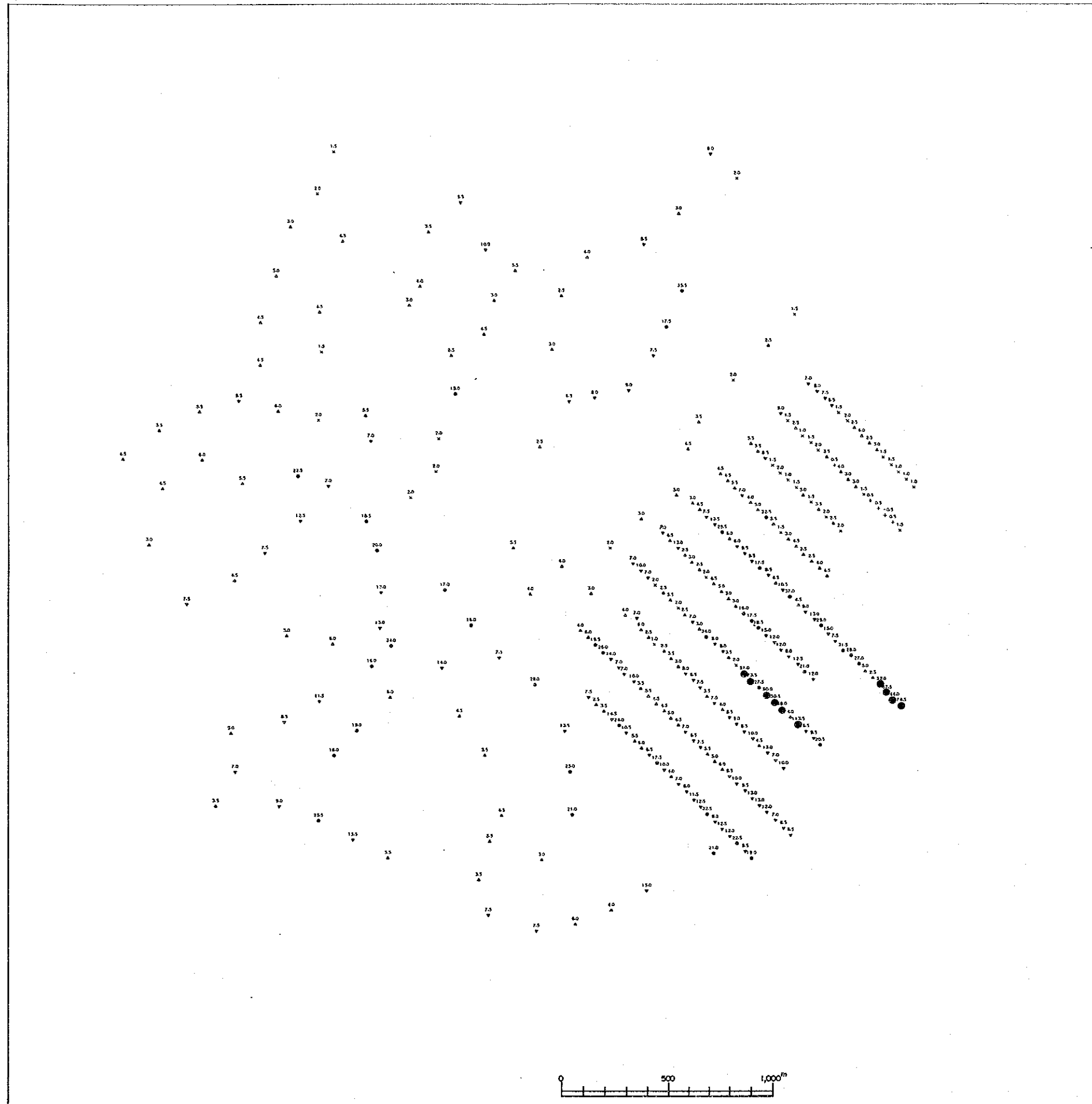
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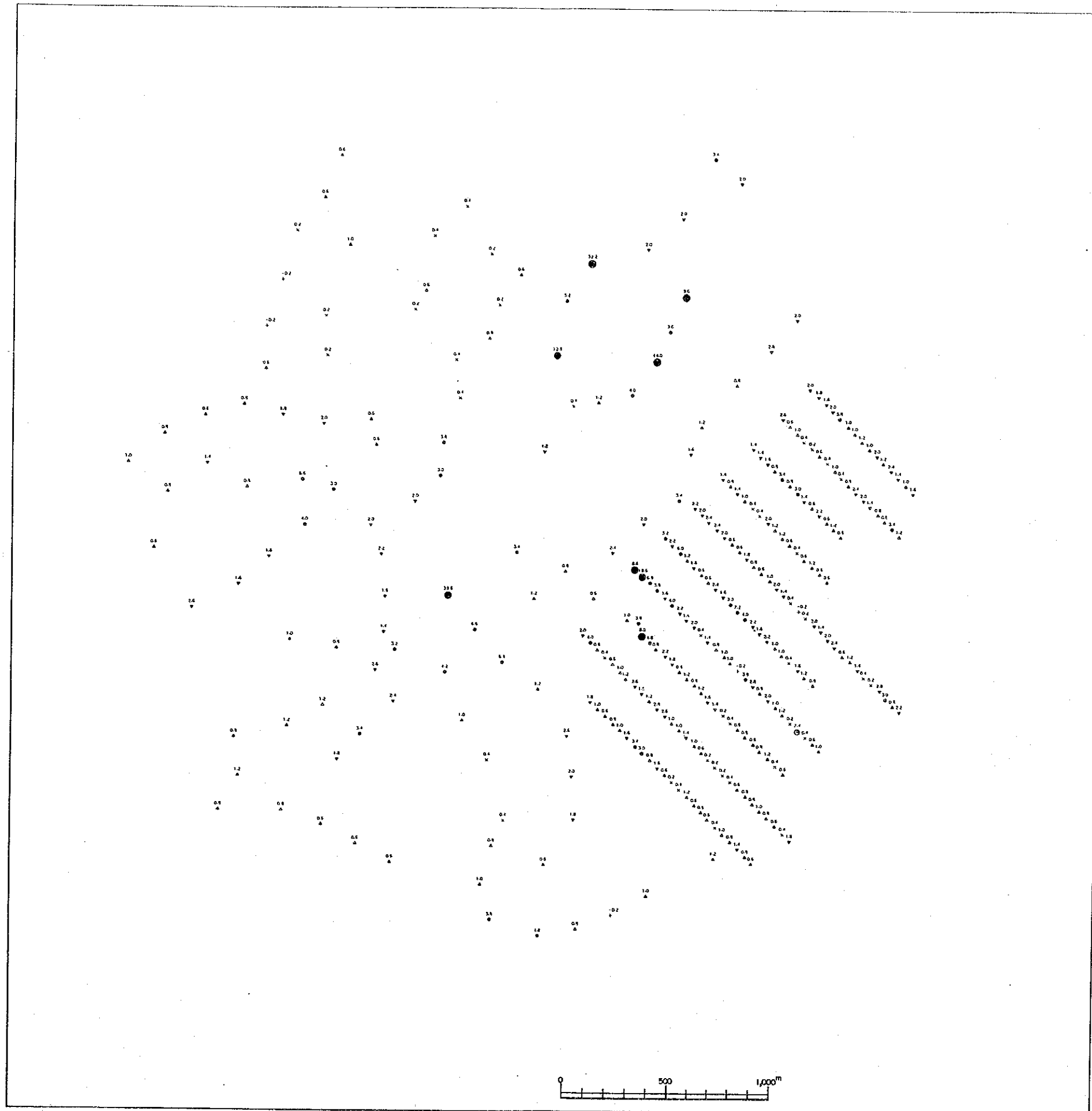
LEGEND

- $\geq 40.14 (M+2\sigma)$
- 40.14  $>$  •  $\geq 15.71 (M+\sigma)$
- 15.71  $>$  ▽  $\geq 6.15 (M)$
- 6.15  $>$  △  $\geq 2.41 (M-\sigma)$
- 2.41  $>$  ×  $\geq 0.94 (M-2\sigma)$
- 0.94  $>$  +

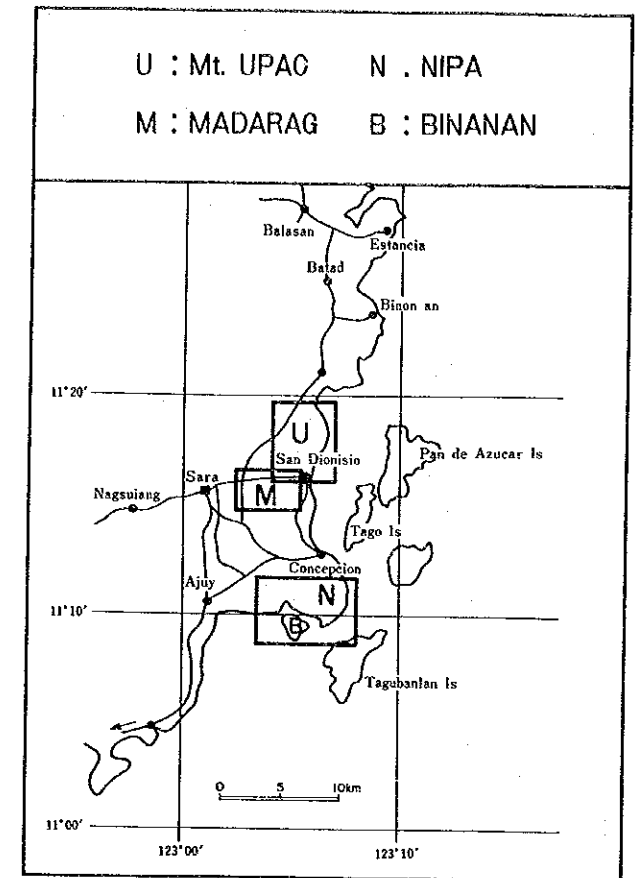


PL. 3-7 Geochemical Plot of Pb, Nipa Area





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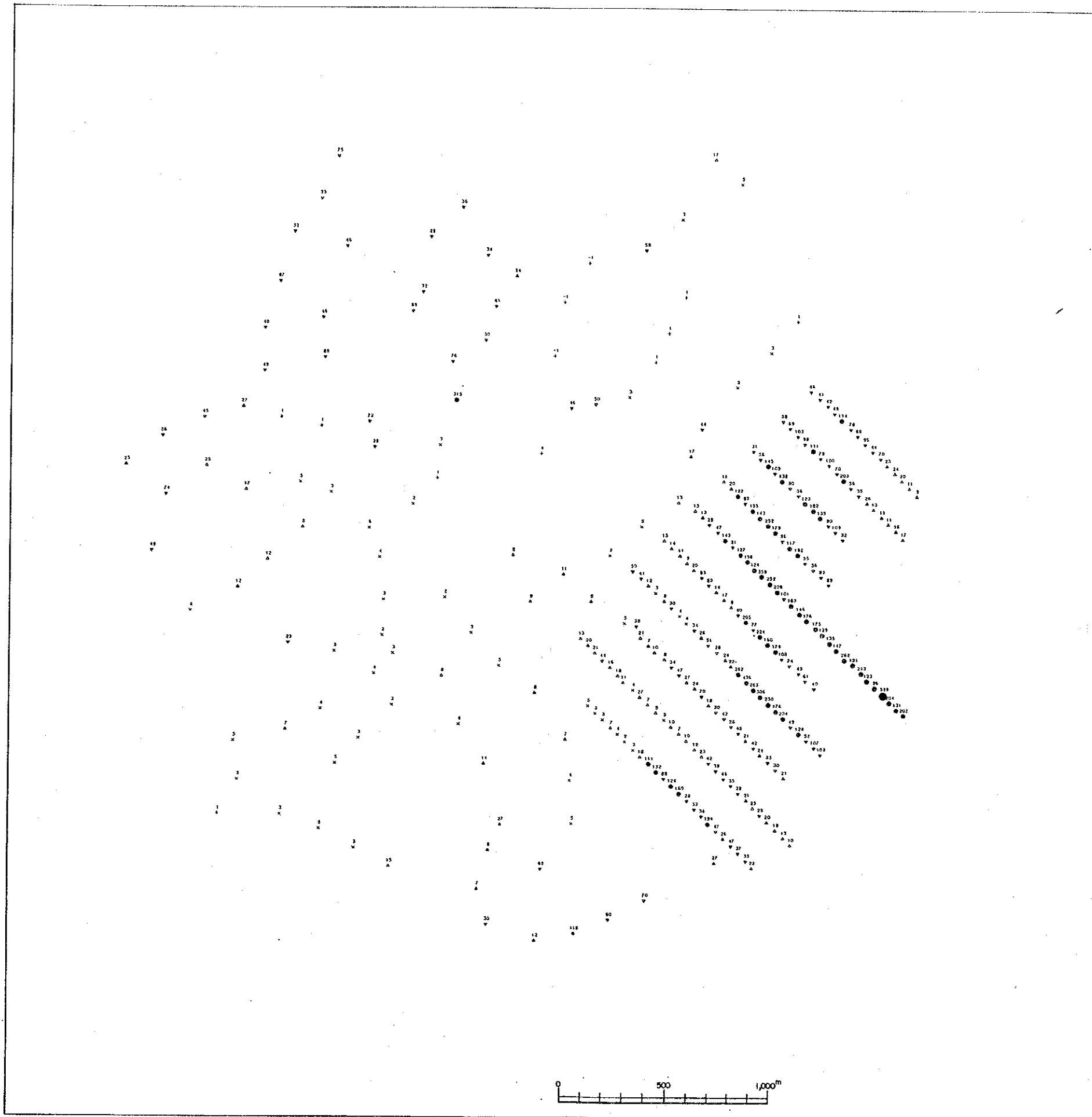


LEGEND

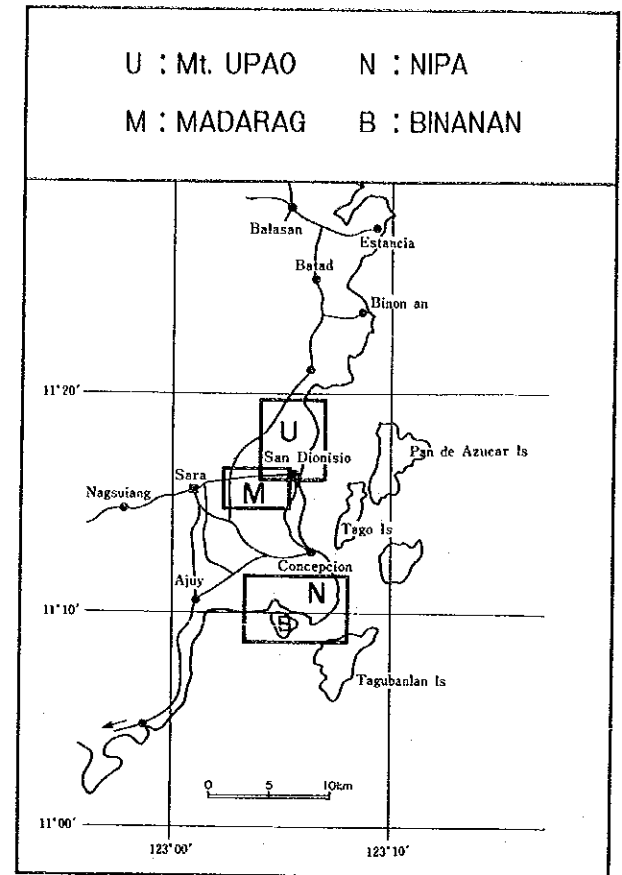
- $> = 7.38 (M + 2\sigma)$
- $> = 3.00 (M + \sigma)$
- ▽  $> = 1.22 (M)$
- △  $> = 0.50 (M - \sigma)$
- ×  $> = 0.20 (M - 2\sigma)$
- +  $>$

PL. 3-8 Geochemical Plot of Mo, Nipa Area





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LEGEND

- $> = 449.7 (M + 2\sigma)$
- $449.7 > \bullet > = 110.6 (M + \sigma)$
- $110.6 > \nabla > = 27.2 (M)$
- $27.2 > \Delta > = 6.7 (M - \sigma)$
- $6.7 > \times > = 1.6 (M - 2\sigma)$
- $1.6 > +$

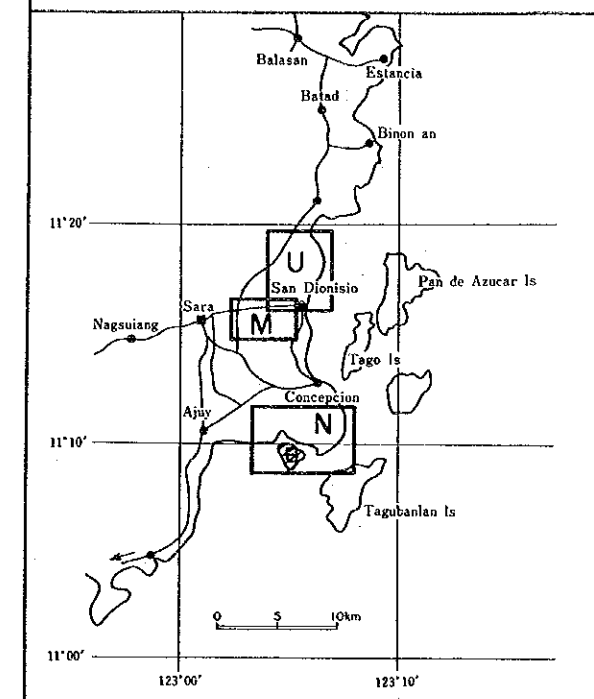
PL. 3-9 Geochemical Plot of Zn, Nipa Area





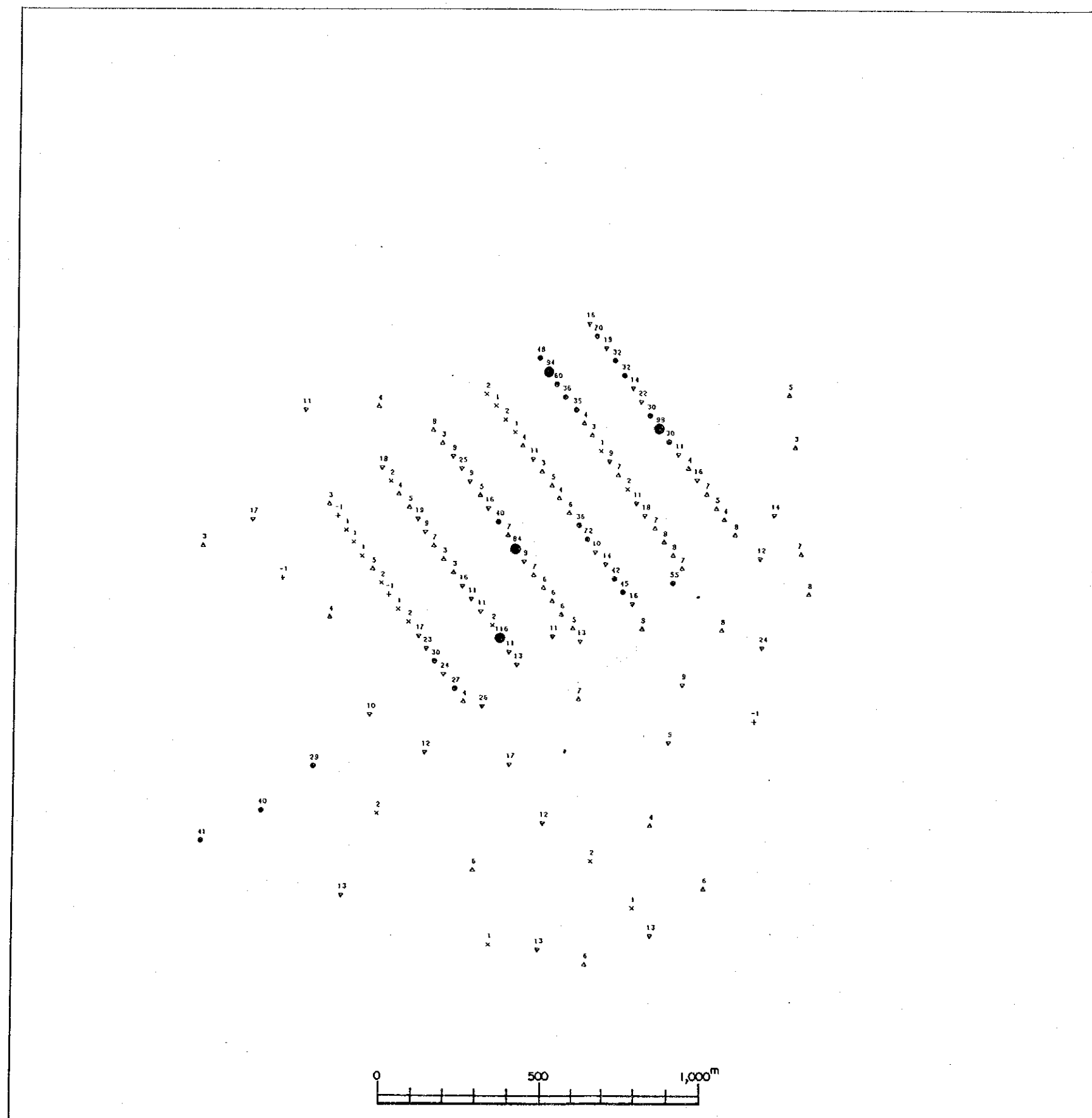
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 M : MADARAG    B : BINANAN



LEGEND

- $> = 80.7 (M + 2\sigma)$
- $> = 26.8 (M + \sigma)$
- ▽  $> = 8.9 (M)$
- △  $> = 3.0 (M - \sigma)$
- ×  $> = 1.0 (M - 2\sigma)$
- +  $>$

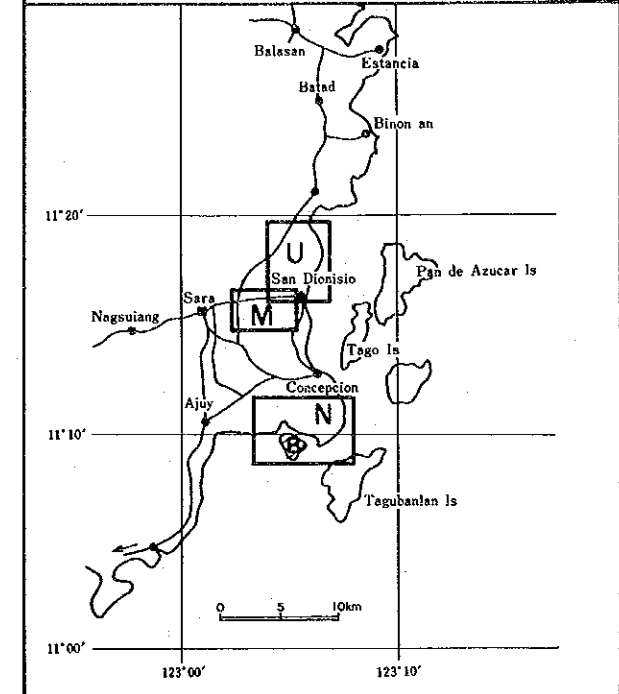


PL. 4-5 Geochemical Plot of Au, Binonan Area



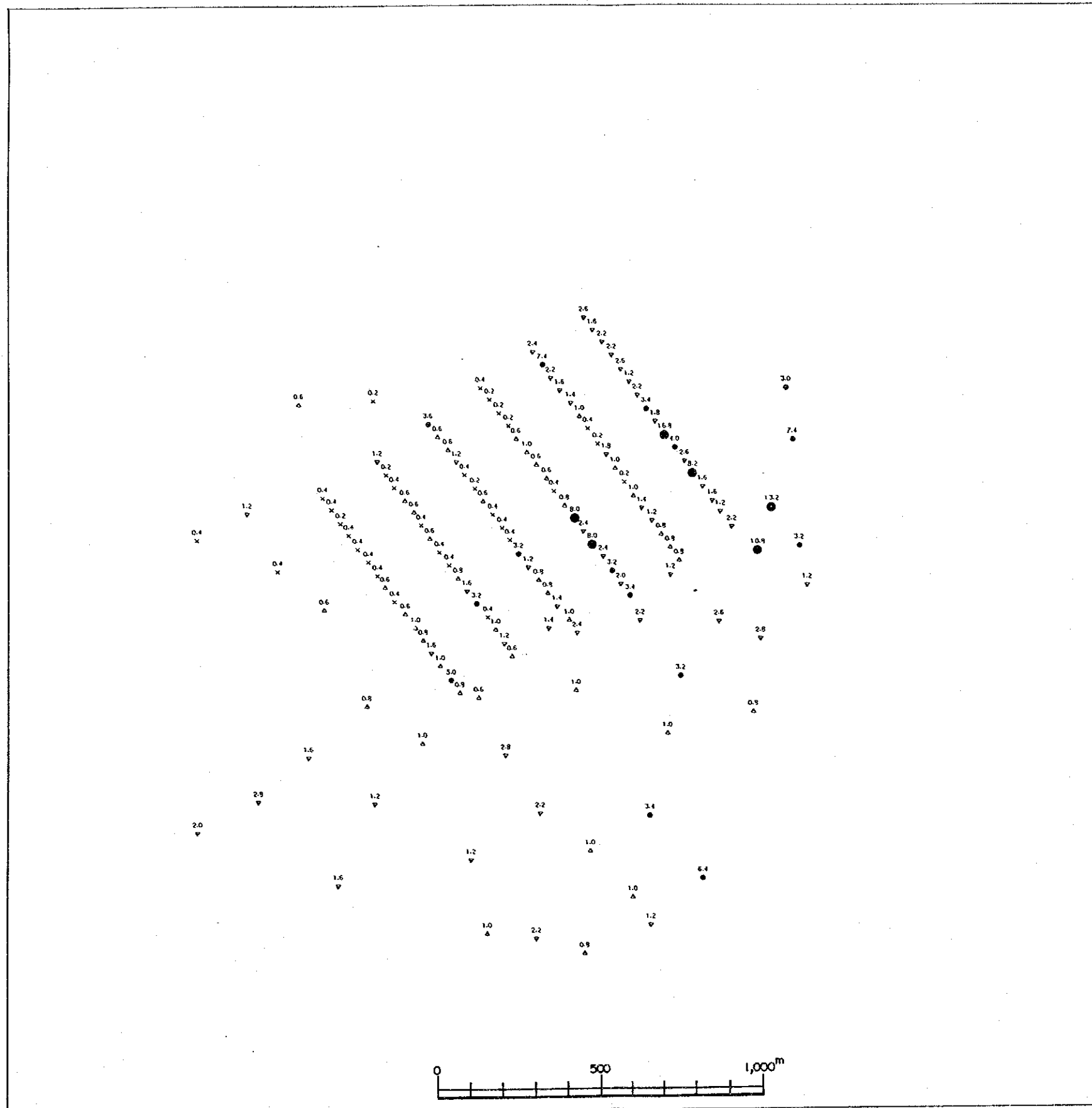
LOCATION INDEX

U : Mt. UPAO    N : NIPA  
 M : MADARAG    B : BINANAN



LEGEND

- $\geq 7.55 (M+2\sigma)$
- $7.55 > \bullet \geq 2.92 (M+\sigma)$
- $2.92 > \nabla \geq 1.13 (M)$
- $1.13 > \Delta \geq 0.44 (M-\sigma)$
- $0.44 > \times \geq 0.17 (M-2\sigma)$
- $0.17 > +$

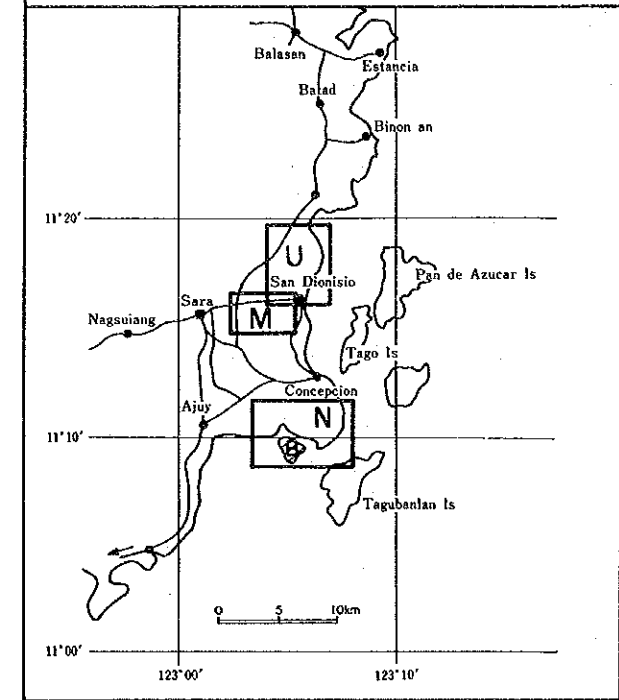


PL. 4-6 Geochemical Plot of Mo, Binonan Area



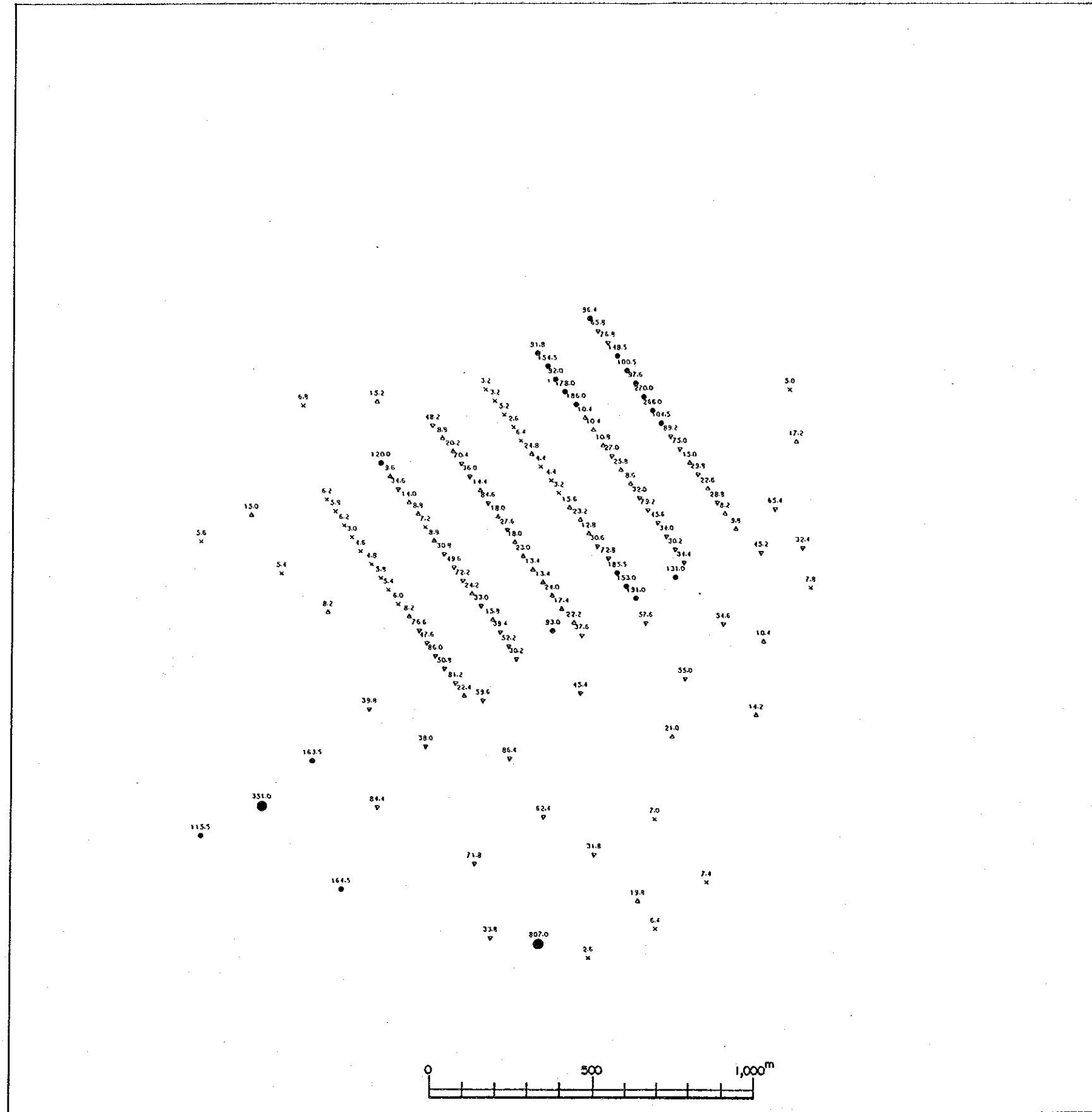
LOCATION INDEX

U : Mt. UPAO    N : NIPA  
M : MADARAG    B : BINANAN



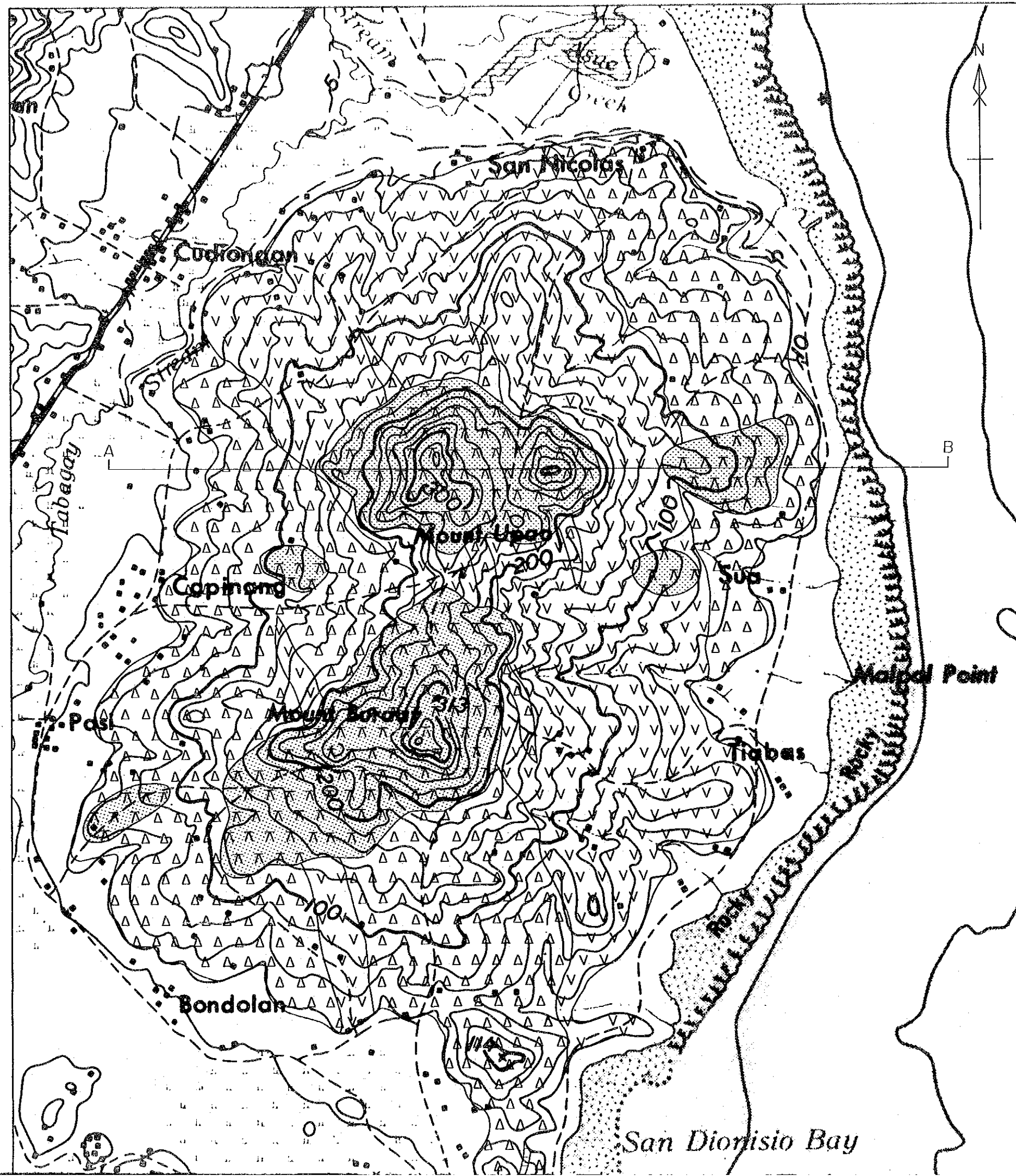
LEGEND

- $\geq 296.61 (M + 2\sigma)$
- $296.61 > \bullet \geq 89.36 (M + \sigma)$
- $89.36 > \nabla \geq 26.92 (M)$
- $26.92 > \Delta \geq 8.11 (M - \sigma)$
- $8.11 > \times \geq 2.44 (M - 2\sigma)$
- $2.44 > +$



PL. 4-7 Geochemical Plot of As, Binonan Area



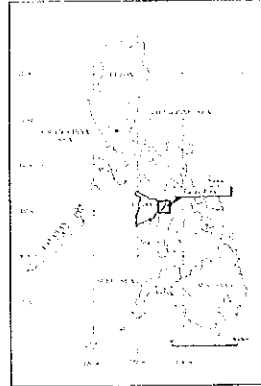
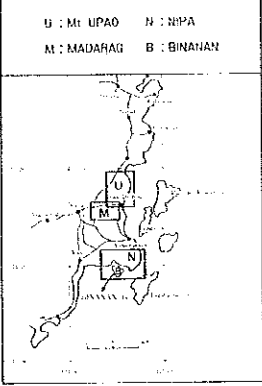


PL. 1-1

MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES

**Geologic Map**  
**Mt. Upao Area**

LOCATION INDEX

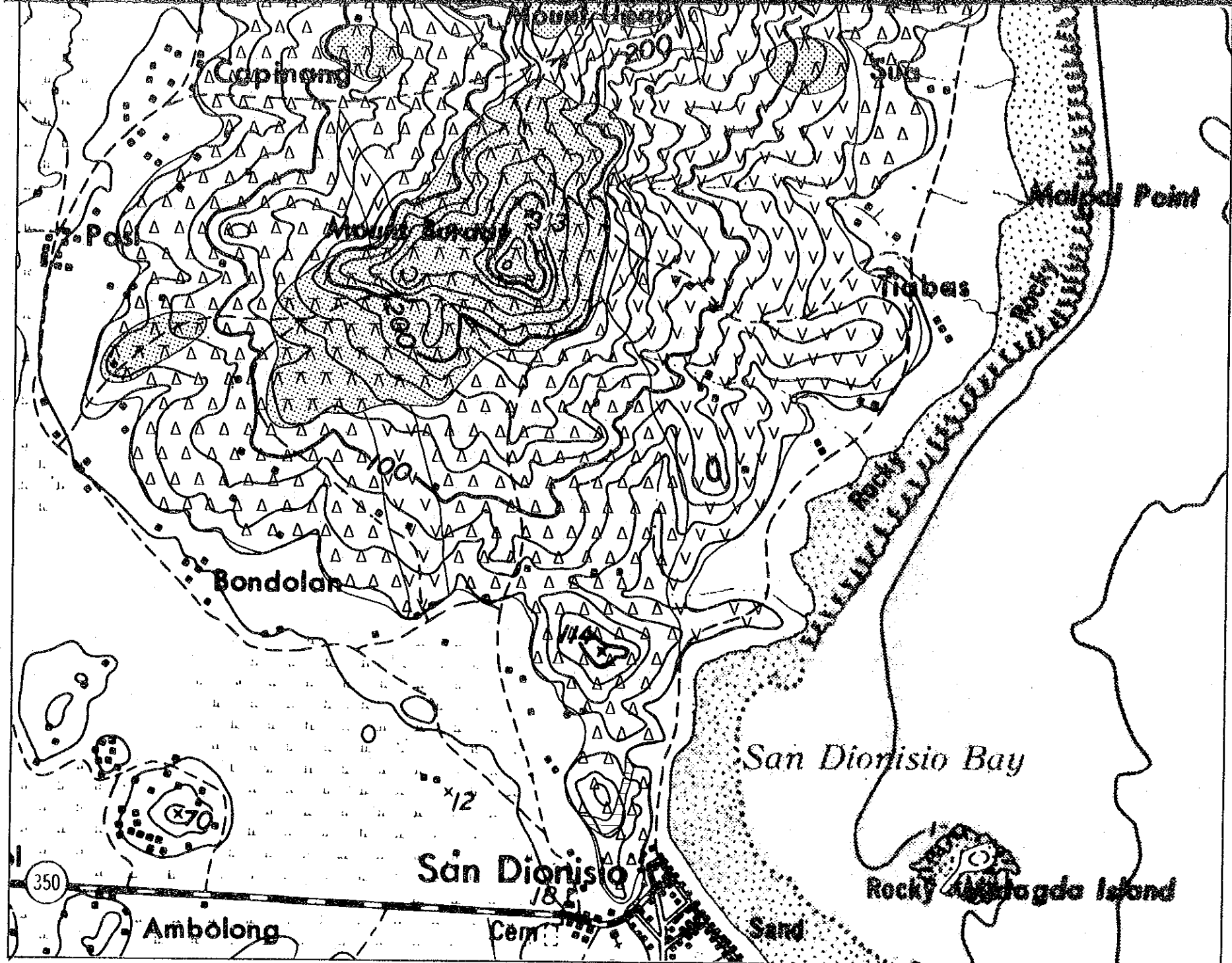



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METAL MINING AGENCY OF JAPAN  
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**LEGEND**

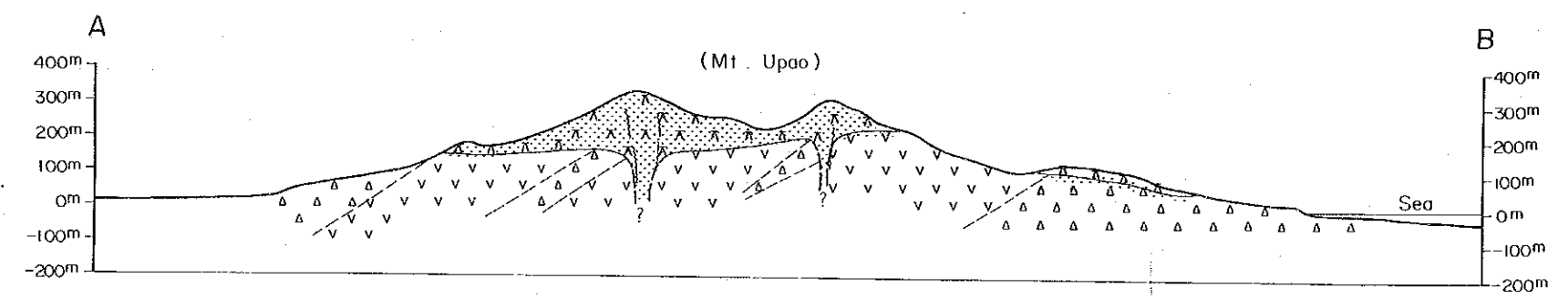
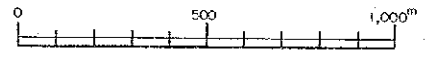
|                |  |  |
|----------------|--|--|
| Holocene       |  | Alluvium   |
| Late Pliocene  |  | Andesite (intensively altered)                       |
|                |  | Andesitic Agglomerate, Tuff Breccio, with minor Tuff |
| Early Pliocene |  | Andesite Lava  |
| Early Pliocene |  | Tuffaceous Sandstone, Mudstone                       |
|                |  | Mudstone   |
| Intrusive Rock |  | Quartz diorite                                       |
|                |  | Dacite, Quartz Porphyry (dyke)                       |
|                |  | Gosson   |
|                |  | Fractures  |



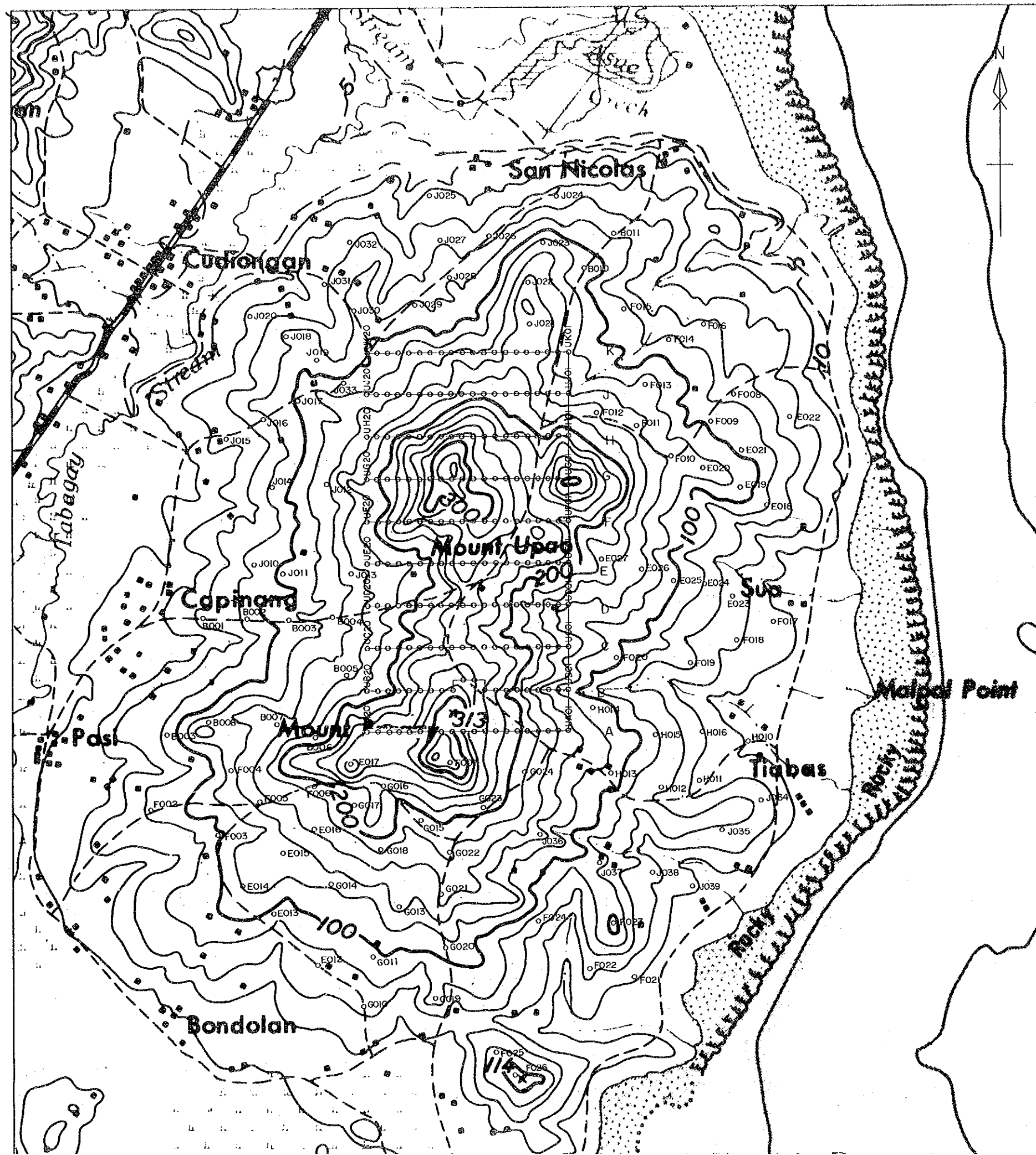
LEGEND

- |                                     |  |  |
|-------------------------------------|--|--|
| Holocene                            |  | Alluvium   |
| Late Pliocene "Odiongong" Volcanics |  | Andesite (intensively altered)                       |
| Early Paleocene Sibalo Formation    |  | Andesitic Agglomerate, Tuff Breccia, with minor Tuff |
|                                     |  | Andesite Lava  |
|                                     |  | Tuffaceous Sandstone, Mudstone                       |
|                                     |  | Mudstone   |
| Intrusive Rock                      |  | Quartz diorite                                       |
|                                     |  | Dacite, Quartz Porphyry (dyke)                       |
|                                     |  | Gosson   |
|                                     |  | Fractures  |

1:10,000







PL. 1-2

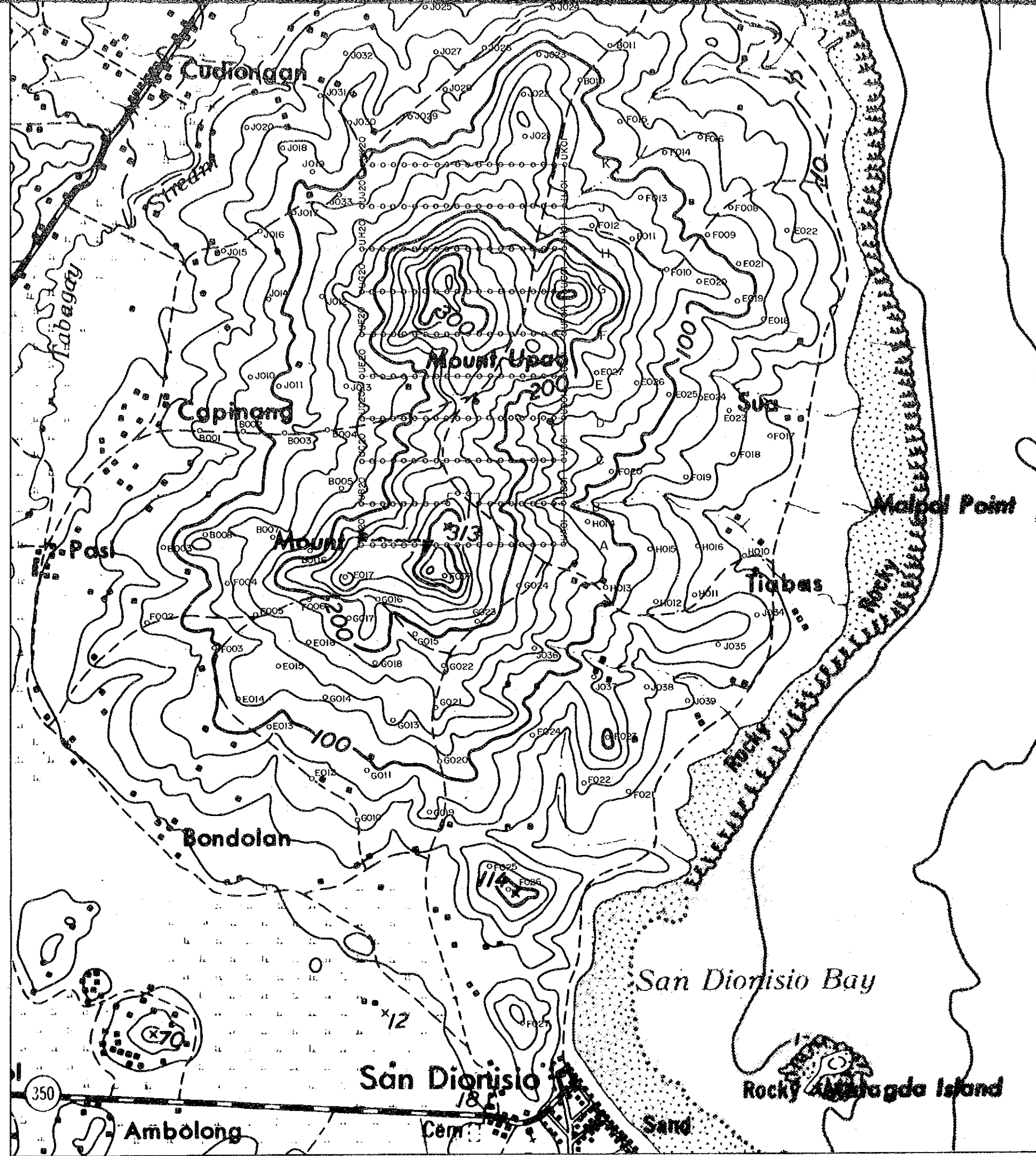
MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES  
Soil Sample Location Map  
Mt. Upao Area

LOCATION INDEX

|              |             |
|--------------|-------------|
| U : Mt. UPAO | N : NIPA    |
| M : MADARAG  | B : BINAHAN |

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METAL MINING AGENCY OF JAPAN  
BUREAU OF MINES and GEO-SCIENCES

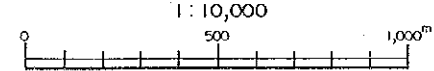
FEBRUARY 1992

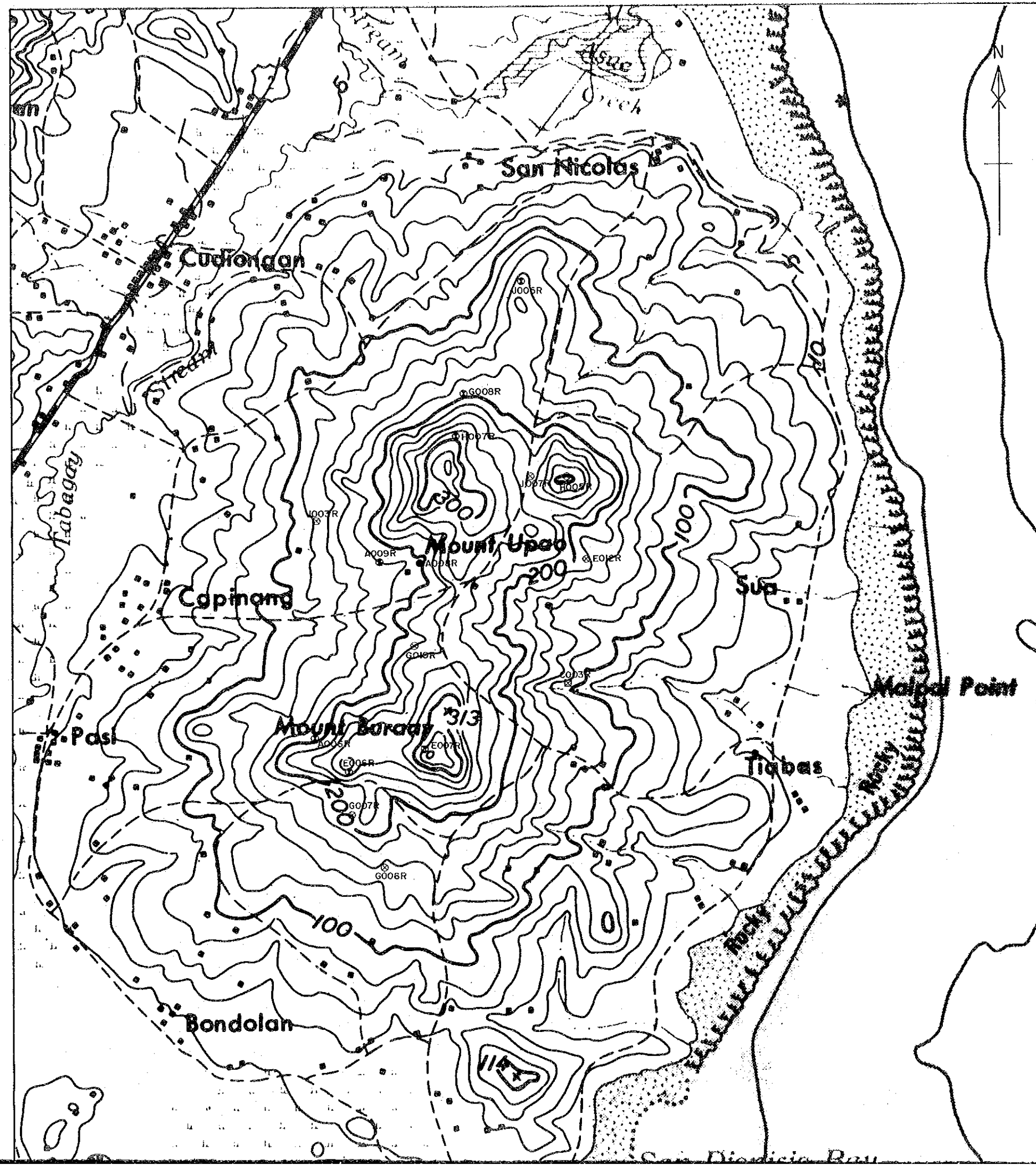


U : Mt. UPAG    N : NIPA  
M : MADARAG    B : BINANAN

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METAL MINING AGENCY OF JAPAN  
BUREAU OF MINES and GEO-SCIENCES

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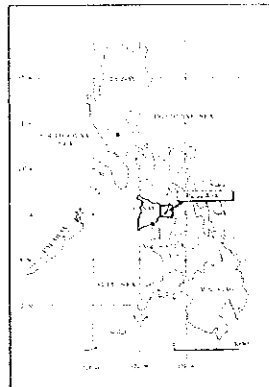
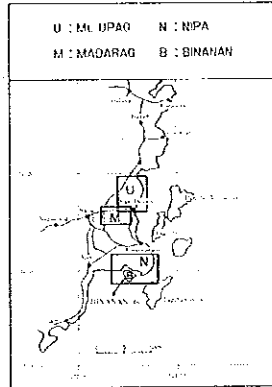


PL. 1-3

MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES

Rock Sample Location Map  
Mt. Upao Area

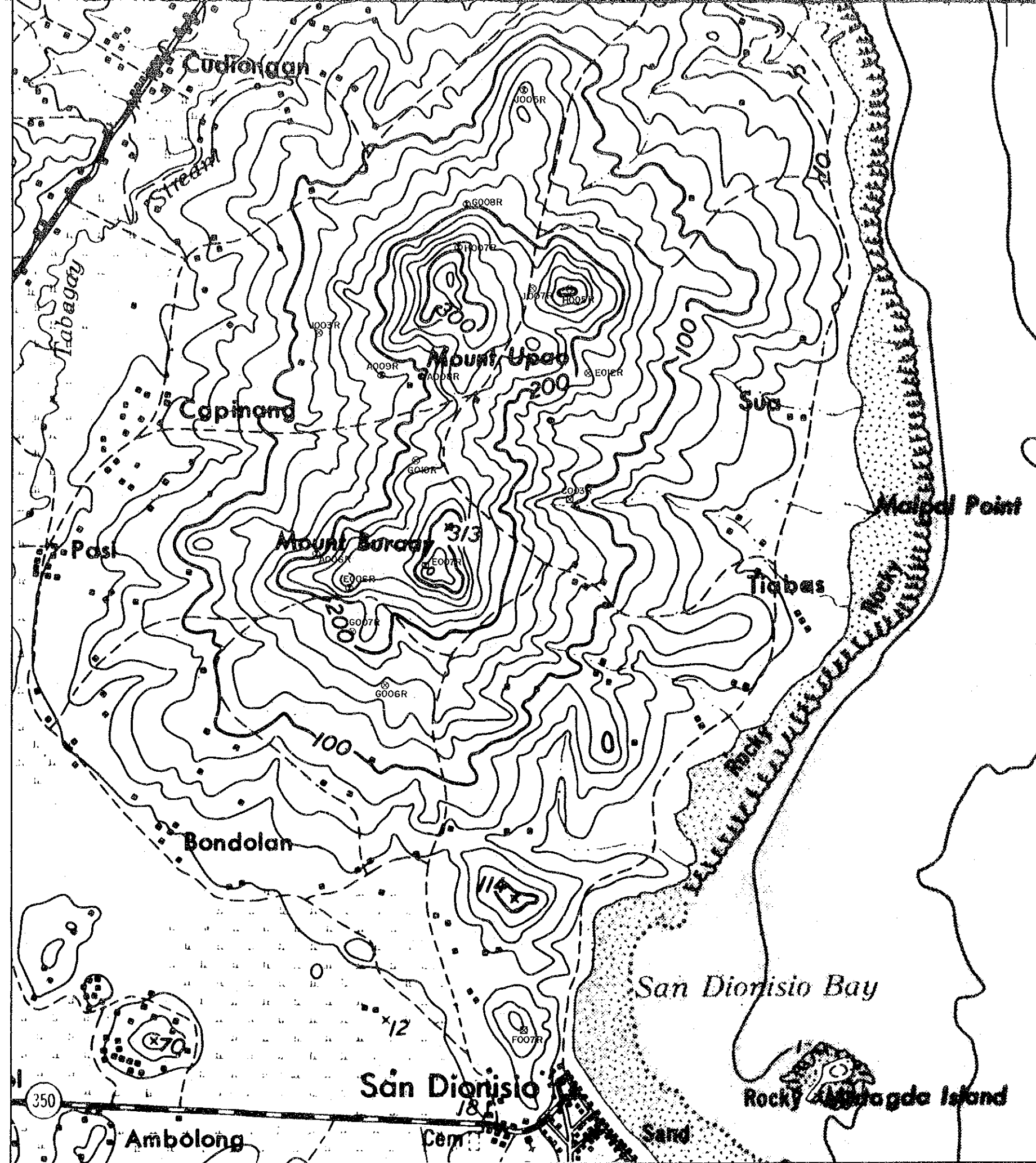
LOCATION INDEX

U : Mt. UPAO    N : NIPA  
 M : MADARAG    B : BINAHAN

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- LEGEND
- ⊗ X-Ray Diffraction (XRD)
  - Assay for Au, Ag, Cu, Pb, and Zn
  - Whole Rock Analysis, and Thin Section
  - ⊗ XRD, and Assay (Au, Ag, Cu, Pb & Zn)
  - ⊗ XRD, Whole Rock Analysis and Thin Section
  - ⊗ XRD, Assay, Whole Rock Analysis and Thin Section
  - <sub>p</sub>, □<sub>p</sub> Polished Section
  - <sub>F</sub>, □<sub>F</sub> Measurement of Homogenization Temperature of Fluid Inclusion
  - <sup>D</sup>, □<sup>D</sup> Age Determination (K - Ar)

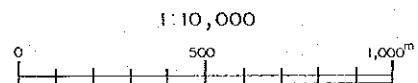


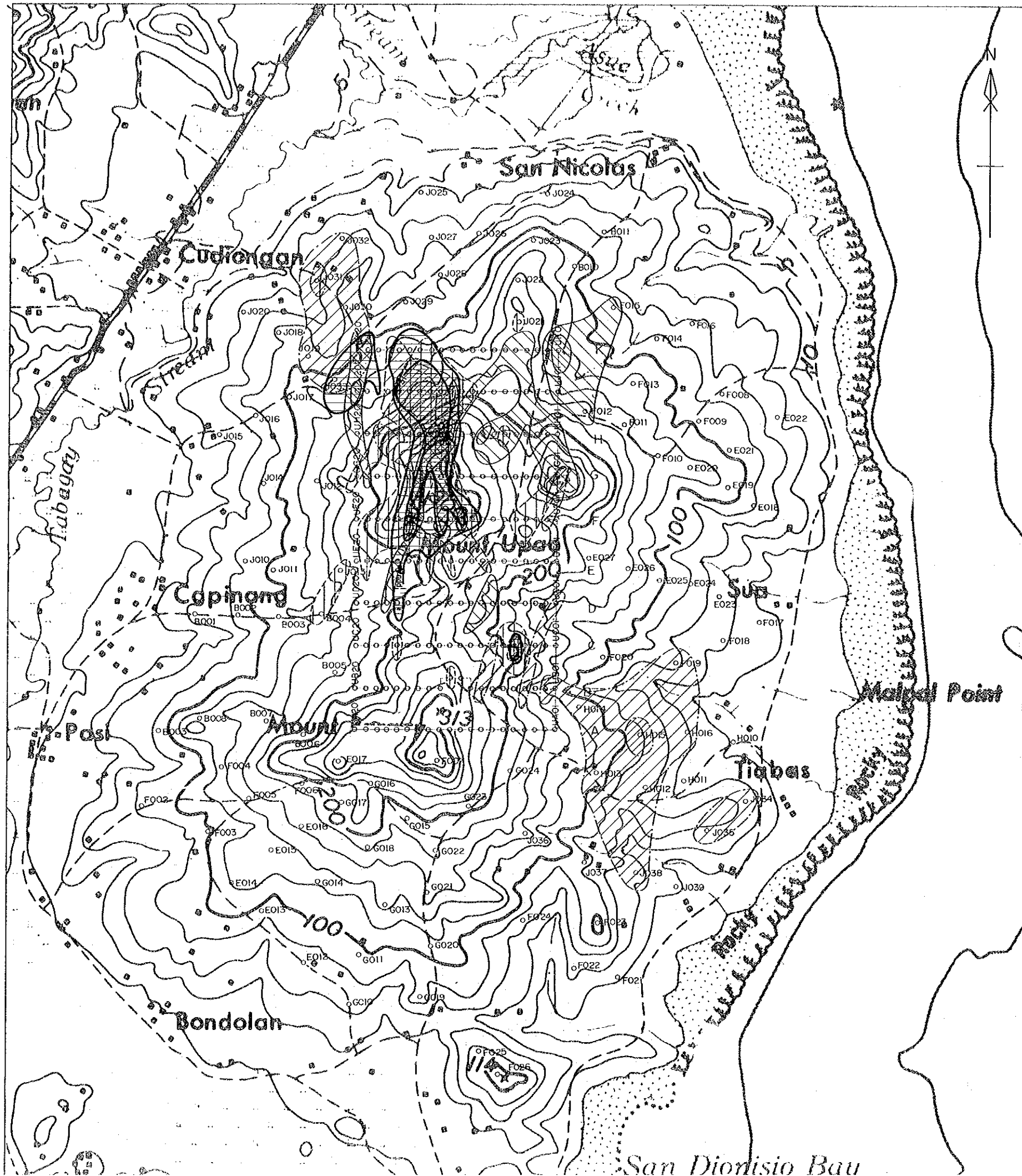
U : Mt. UPAD    N : NIPA  
M : MADARAG    B : BRIHANAN

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METAL MINING AGENCY OF JAPAN  
BUREAU OF MINES and GEO-SCIENCES

FEBRUARY 1992

- LEGEND**
- ⊗ X-Ray Diffraction (XRD)
  - Assay for Au, Ag, Cu, Pb, and Zn
  - Whole Rock Analysis, and Thin Section
  - ⊙ XRD, and Assay (Au, Ag, Cu, Pb & Zn)
  - ⊠ XRD, Whole Rock Analysis and Thin Section
  - ⊞ XRD, Assay, Whole Rock Analysis and Thin Section
  - <sub>P</sub>, □<sub>P</sub> Polished Section
  - <sub>T</sub>, □<sub>T</sub> Measurement of Homogenization Temperature of Fluid Inclusion
  - <sup>D</sup>, □<sup>D</sup> Age Determination (K - Ar)

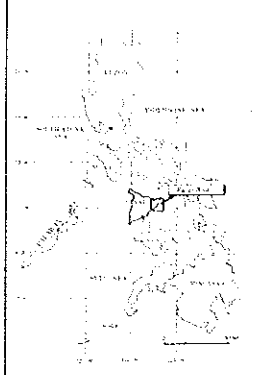




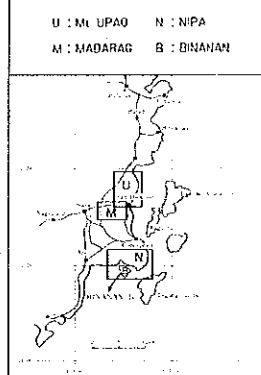
PL. 1-4

MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES  
**Comprehensive Geochemical  
Anomaly Map  
Mt. Upao Area**

LOCATION INDEX











U : Mt. UPAO    N : NIPA  
M : MADARAG    B : BINANAN

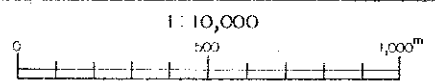
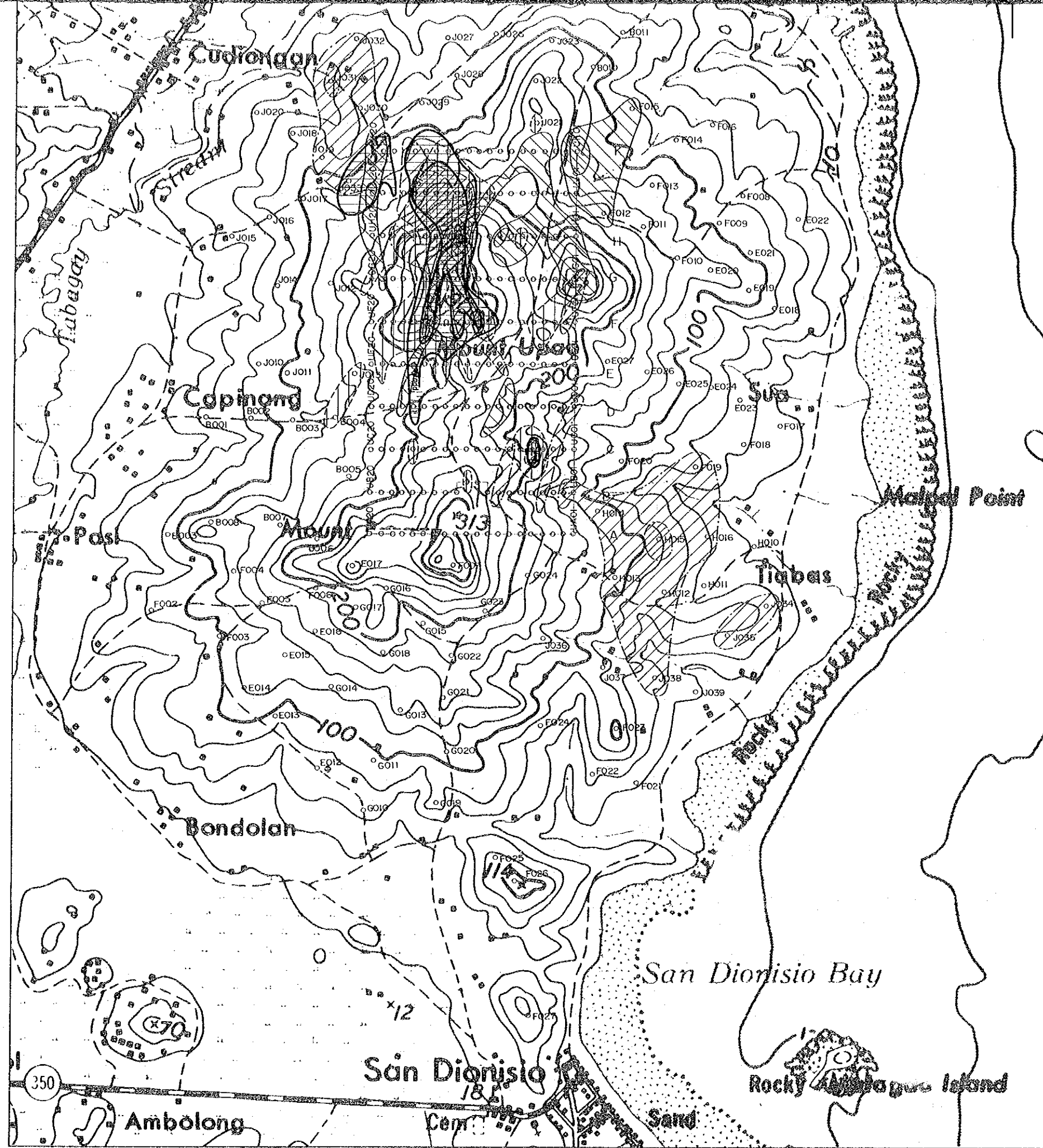


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LEGEND

-  Strong Anomaly, Au
-  Moderate Anomaly, Au
-  P-1
-  P-1
-  P-2
-  P-2
-  P-3
-  P-3

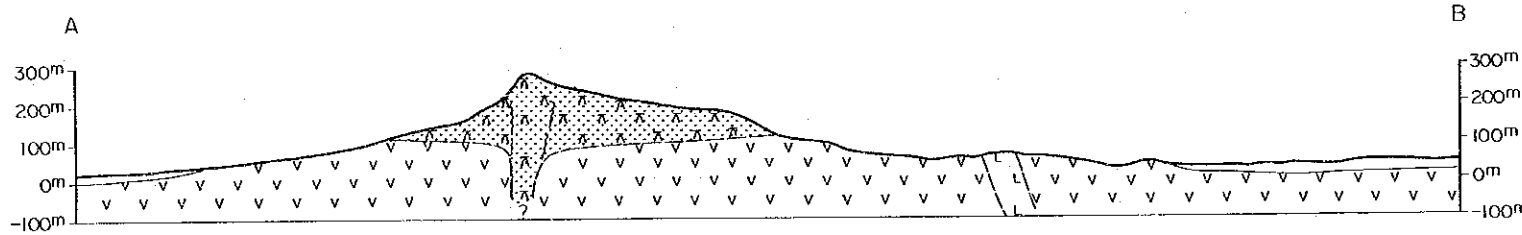
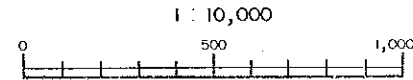
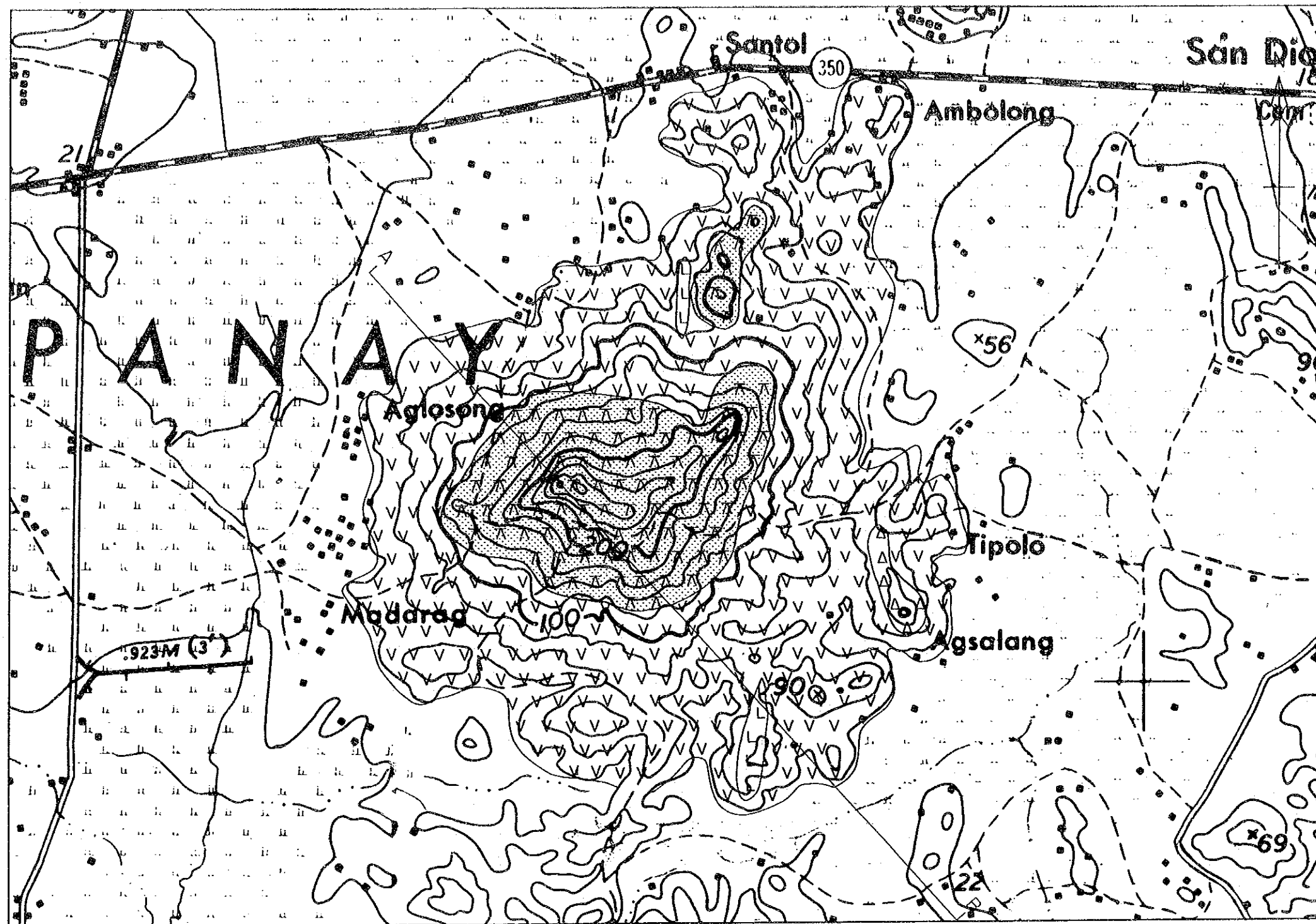


U : UNIFORM U : UNIFORM  
M : MADARAG B : BRIHANAN

JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
BUREAU OF MINES and GEO-SCIENCES  
FEBRUARY 1992

**LEGEND**

- Strong Anomaly, Au
- Moderate Anomaly, Au
- P-1
- P-2
- P-3

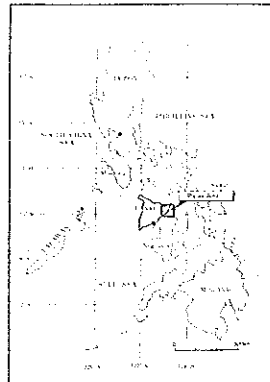


PL. 2-1

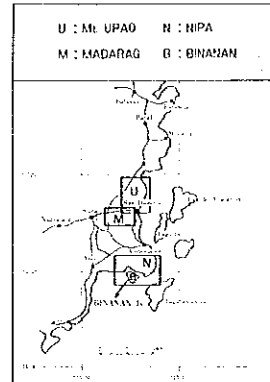
MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES

**Geologic Map  
Madarag Area**

LOCATION INDEX



U : Mt. UPAD    N : HIPA  
M : MADARAG    B : BINAMAN

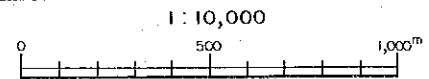
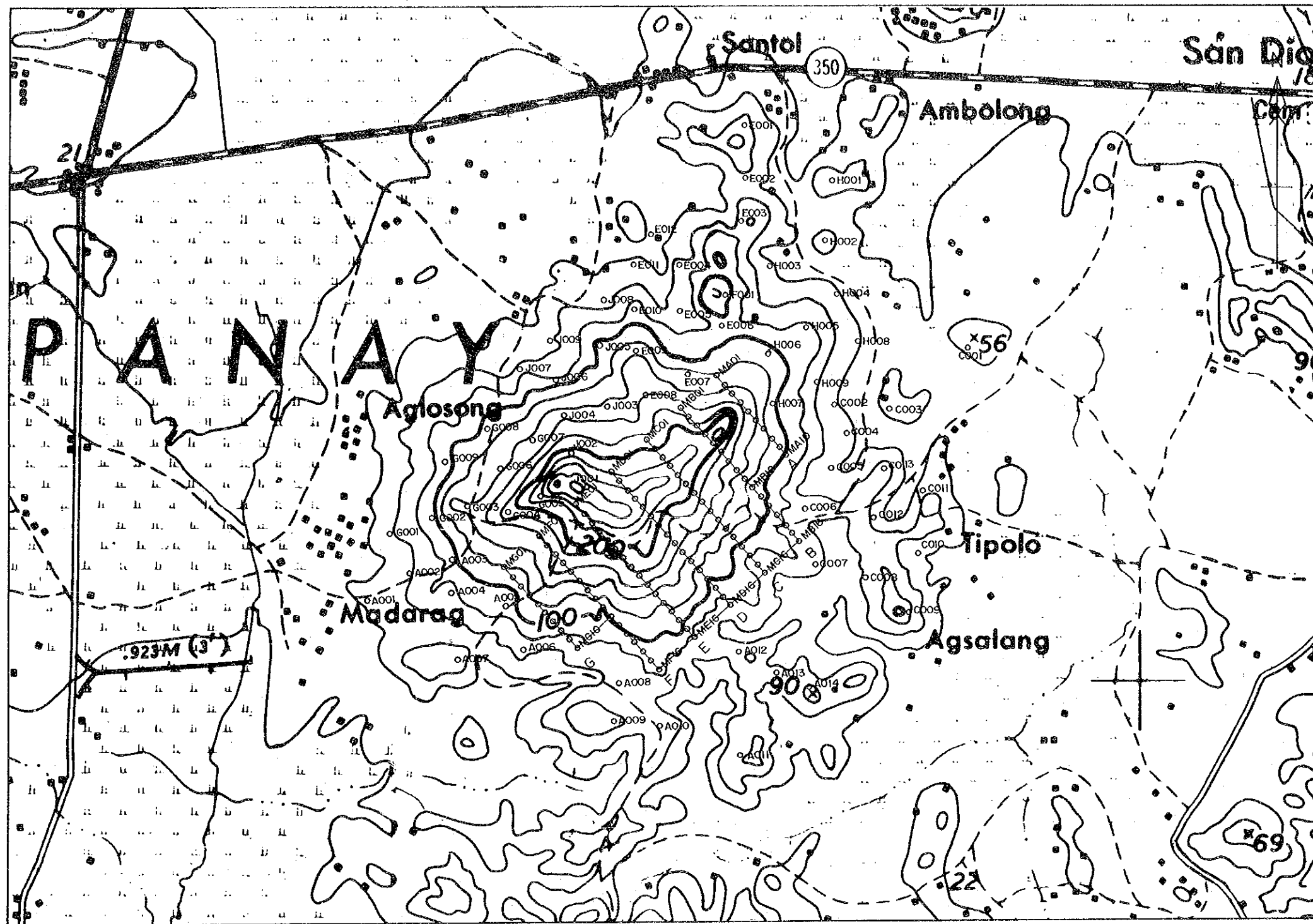


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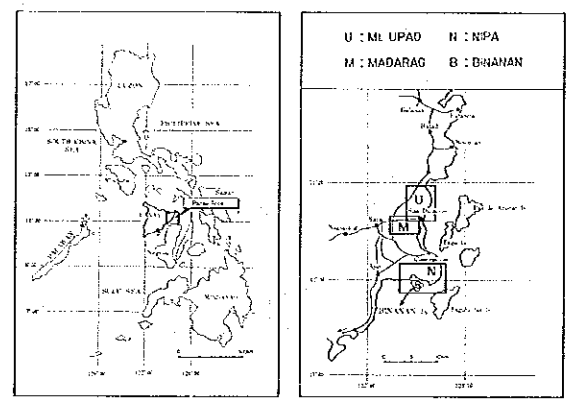
**LEGEND**

- |                 |  |  |
|-----------------|--|--|
| Holocene        |  | Alluvium   |
| Late Pliocene   |  | "Odiongan" Volcanics                                 |
| Early Paleocene |  | Andesitic Agglomerate, Tuff Breccia, with minor Tuff |
|                 |  | Andesite Lava  |
|                 |  | Tuffaceous Sandstone, Mudstone                       |
|                 |  | Mudstone   |
| Intrusive Rock  |  | Quartz diorite                                       |
|                 |  | Dacite, Quartz Porphyry (dyke)                       |
|                 |  | Gossan   |
|                 |  | Fractures  |



MINERAL EXPLORATION  
 IN  
 PANAY AREA  
 IN THE REPUBLIC OF THE PHILIPPINES  
 Soil Sample Location Map  
 Madarag Area

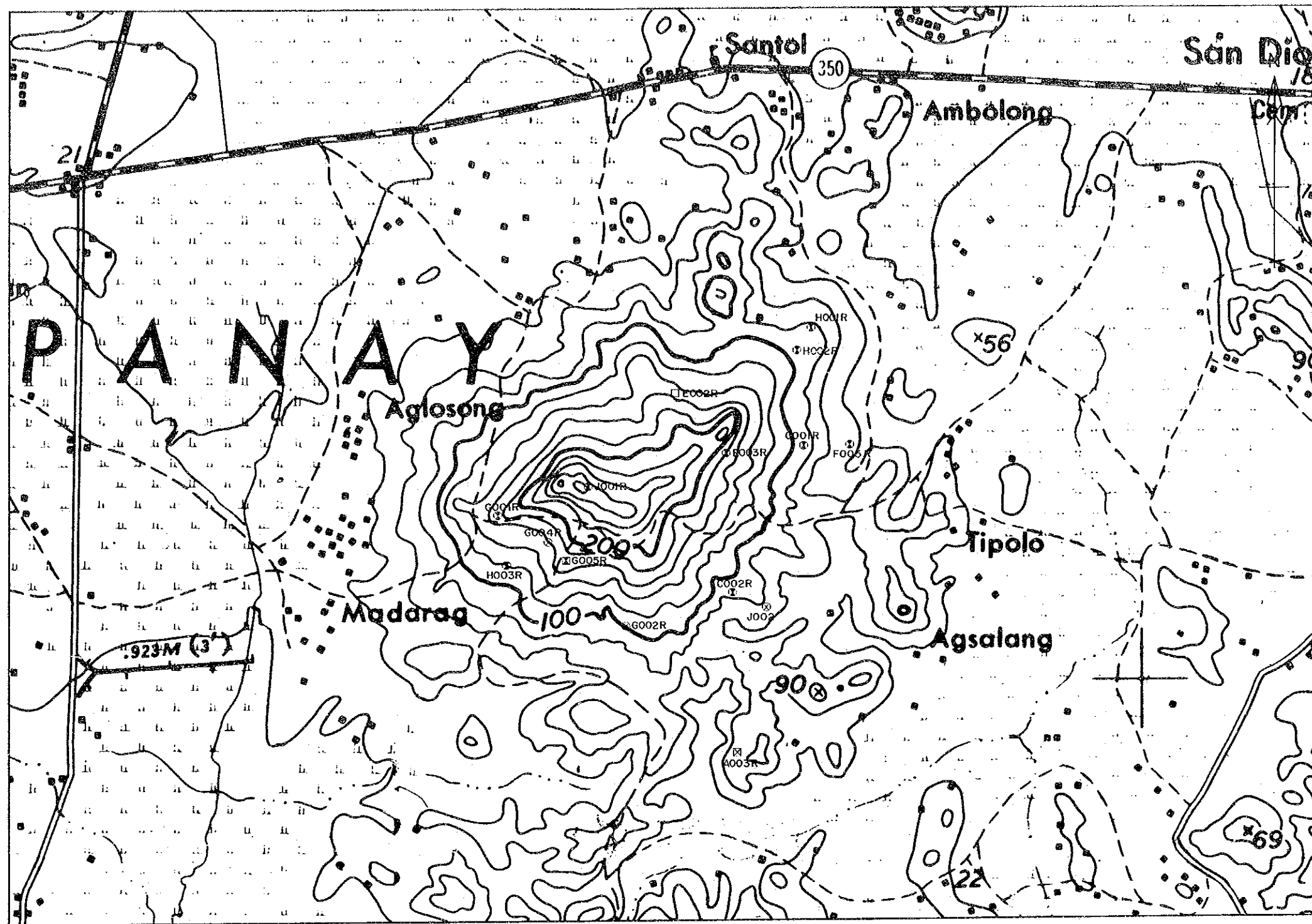
LOCATION INDEX



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 METAL MINING AGENCY OF JAPAN  
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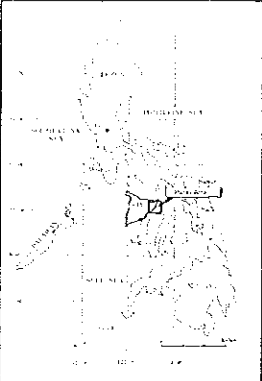


PL. 2-3

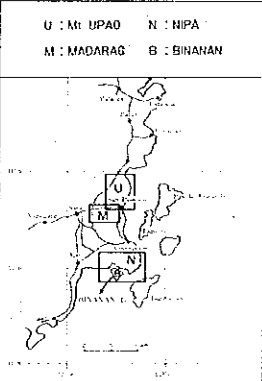
MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES

Rock Sample Location Map  
Madarag Area

LOCATION INDEX



U : M: UPAD    N : NIPA  
M : MADARAG    B : BINANAN

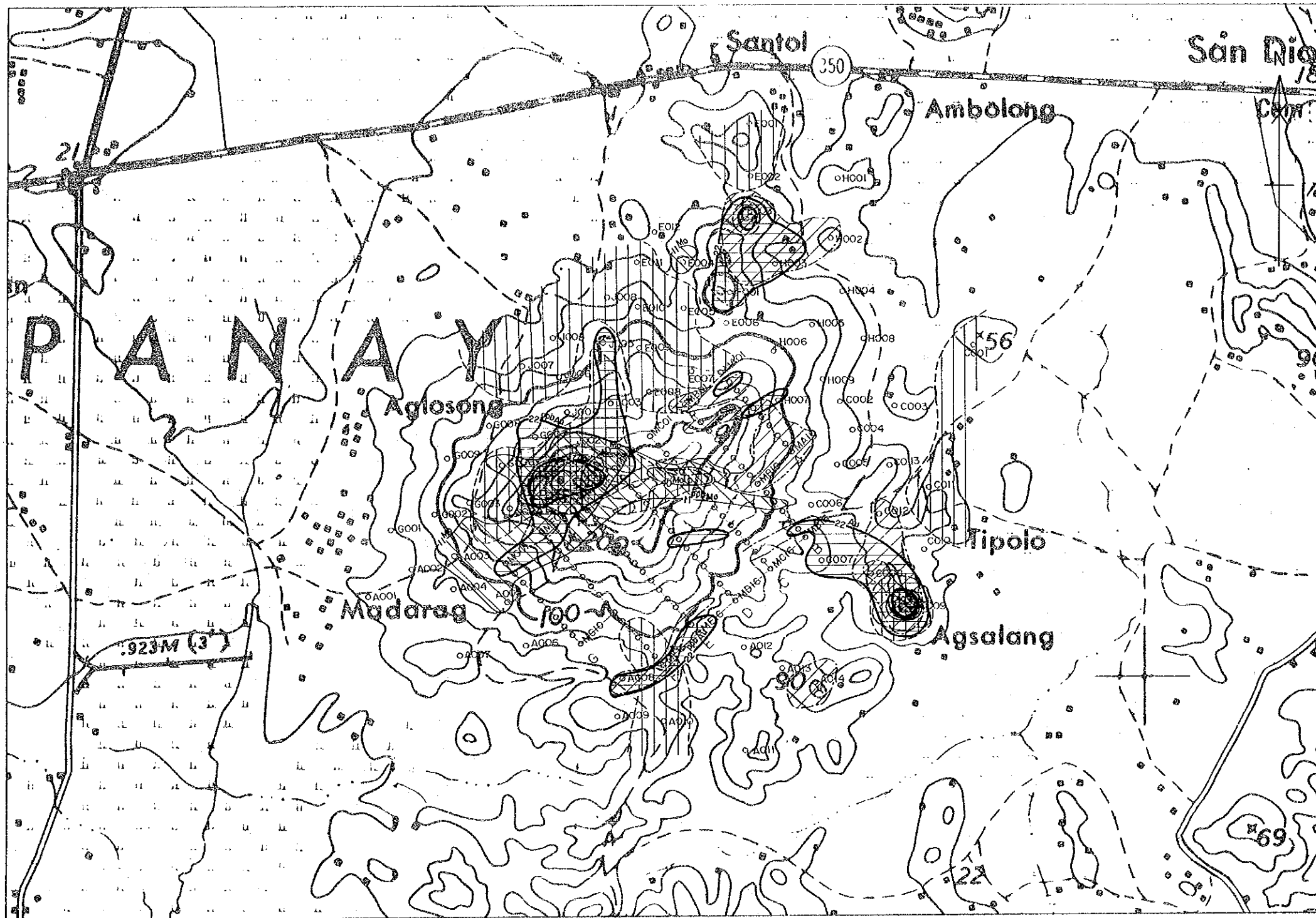


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**LEGEND**

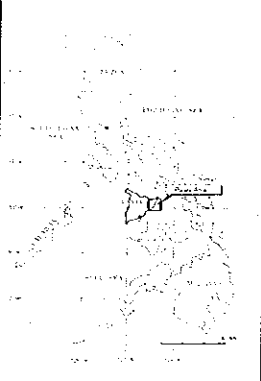
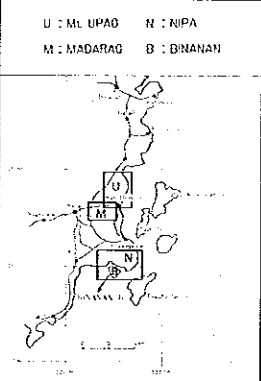
- ⊗ X-Ray Diffraction (XRD)
- Assay for Au, Ag, Cu, Pb, and Zn
- Whole Rock Analysis, and Thin Section
- ⊙ XRD, and Assay (Au, Ag, Cu, Pb & Zn)
- ⊠ XRD, Whole Rock Analysis and Thin Section
- ⊞ XRD, Assay, Whole Rock Analysis and Thin Section
- <sub>p</sub>, □<sub>p</sub> Polished Section
- <sub>f</sub>, □<sub>f</sub> Measurement of Homogenization Temperature of Fluid Inclusion
- <sup>D</sup>, □<sup>D</sup> Age Determination (K-Ar)



PL. 2-4

MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES  
**Comprehensive Geochemical  
Anomaly Map  
Madarag Area**

LOCATION INDEX




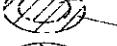







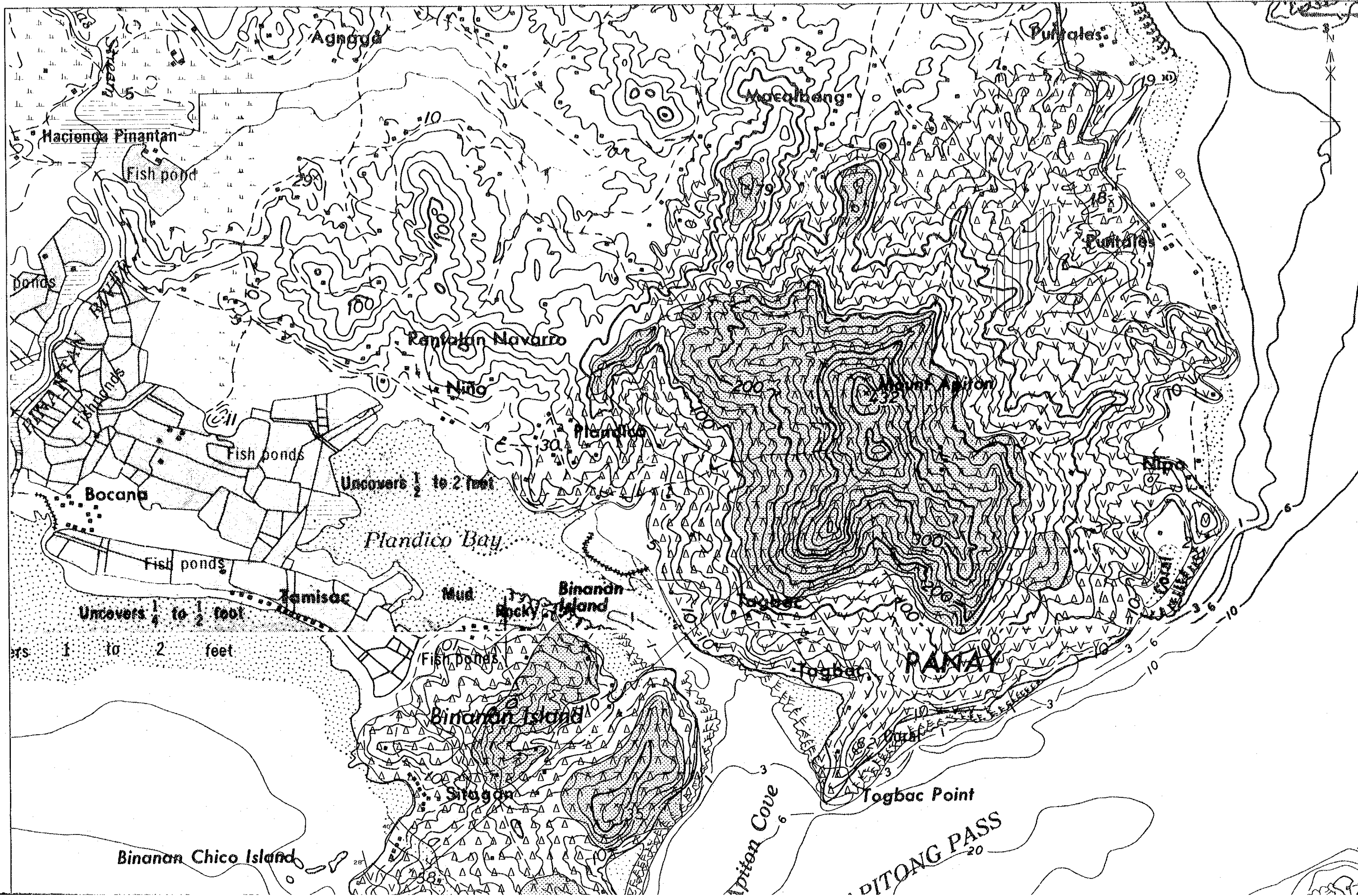
U : M: UPAD    N : NIPA  
M : MADARAG    B : BINANAN

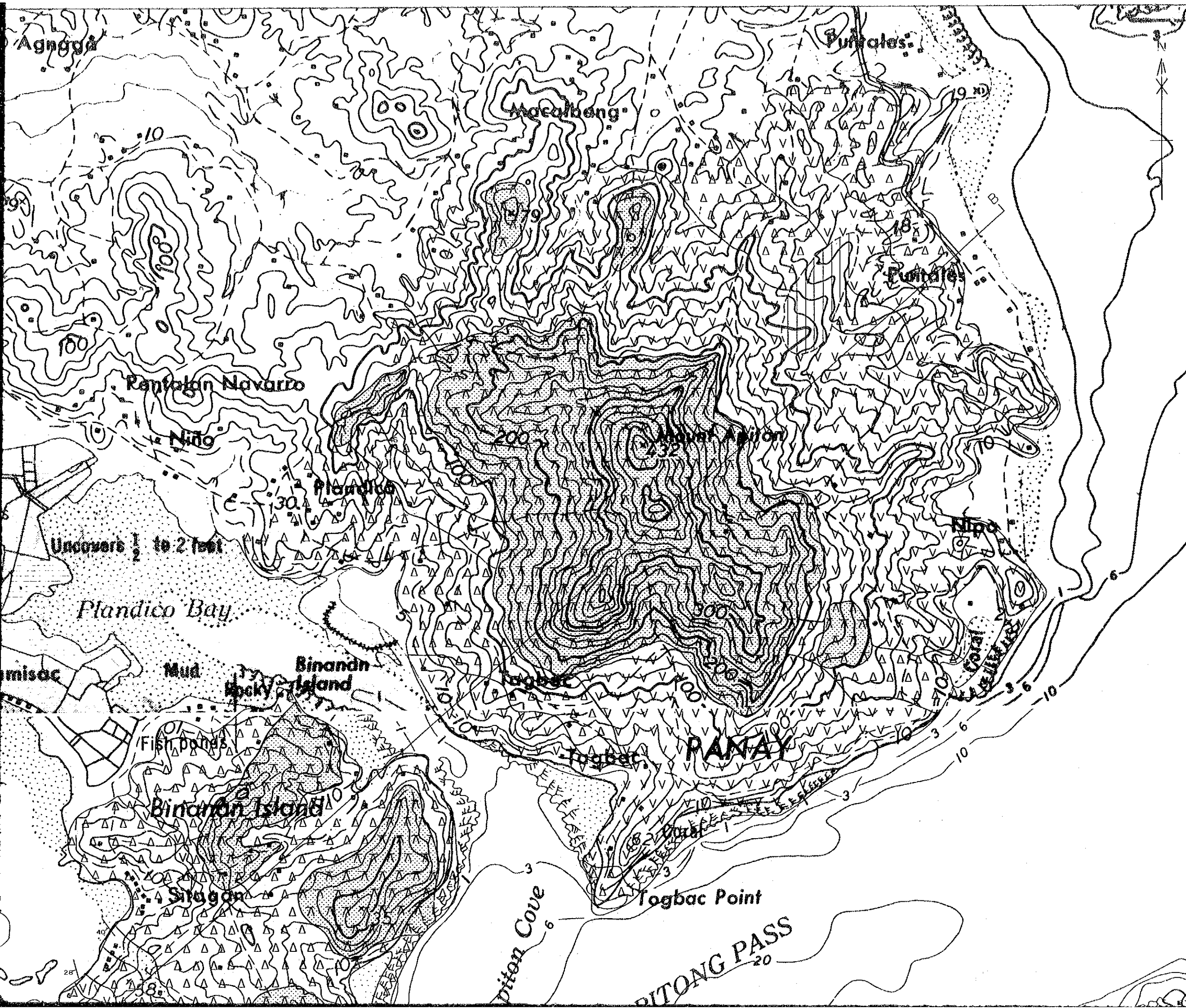
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FEBRUARY 1992

LEGEND

-  Strong Anomaly, Au
-  Moderate Anomaly, Au
-  P-1
-  P-1
-  P-2
-  P-2
-  Mo
-  Mo





PL. 3-1

MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES

**Geologic Map**  
**Nipa, Binanan Area**

LOCATION INDEX

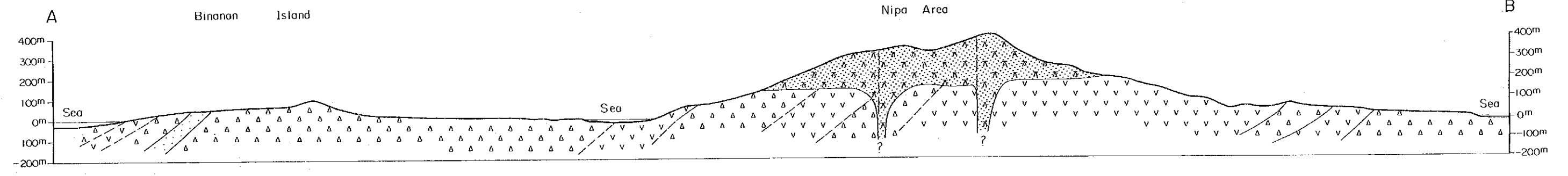
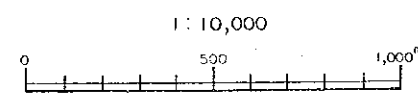
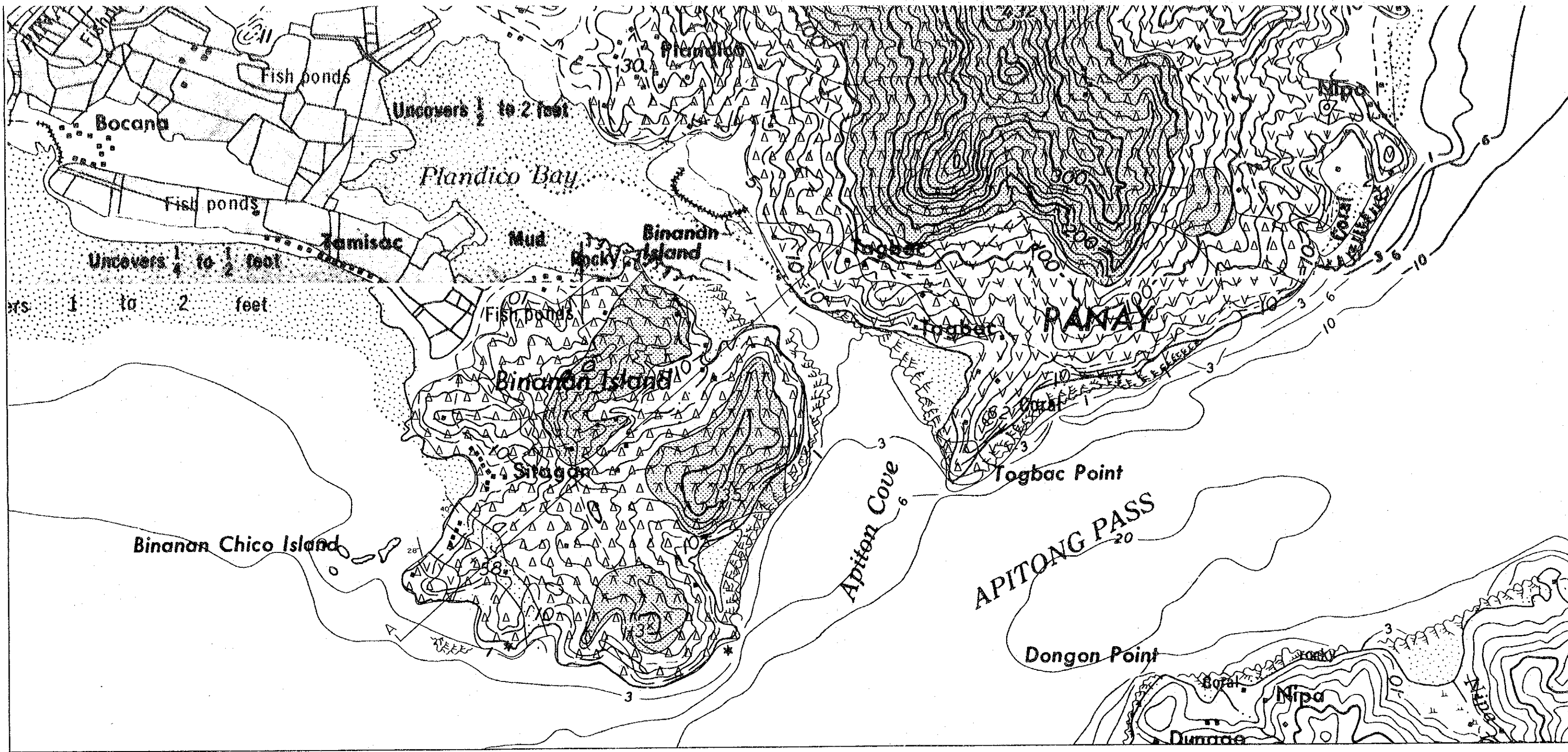
U : M. UPAO    N : NIPA  
M : MADAPAG    B : BINANAN

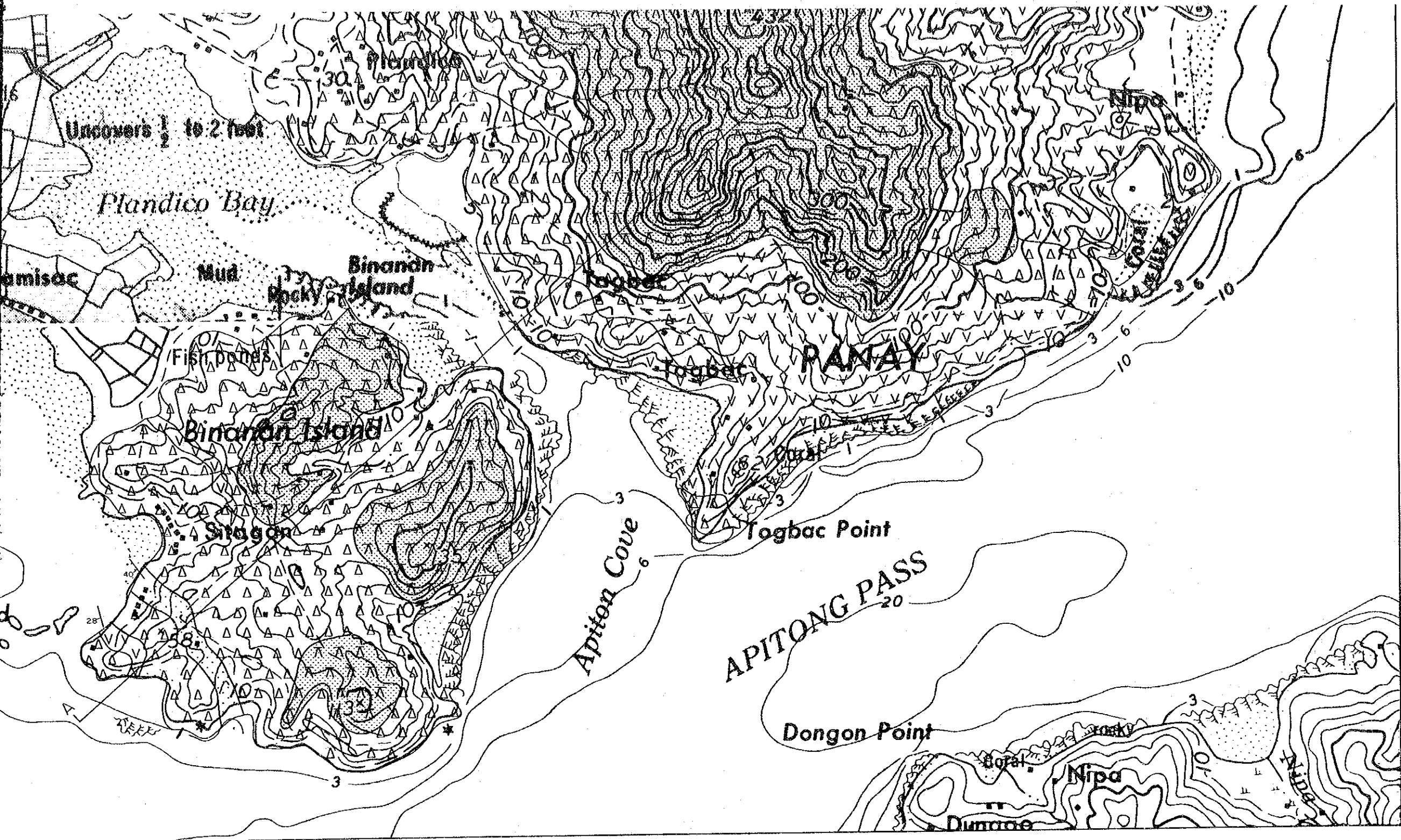
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METAL MINING AGENCY OF JAPAN  
BUREAU OF MINES and GEO-SCIENCES

FEBRUARY 1992

**LEGEND**

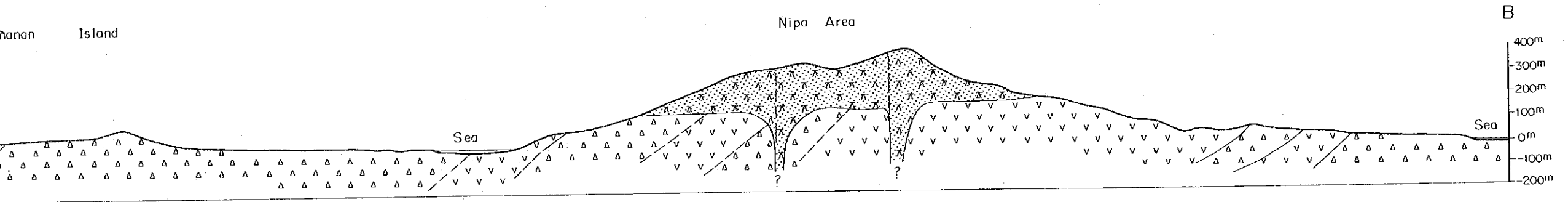
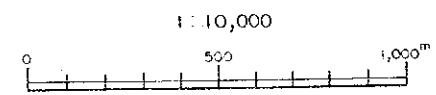
|                  |  |  |
|------------------|--|--|
| Holocene         |  | Alluvium   |
| Late Pliocene    |  | Andesite (intensively altered)                       |
| Early Paleocene  |  | Andesitic Agglomerate, Tuff Breccia, with minor Tuff |
| Sibola Formation |  | Andesite Lava  |
|                  |  | Tuffaceous Sandstone, Mudstone                       |
|                  |  | Mudstone   |
| Intrusive Rock   |  | Quartz diorite                                       |
|                  |  | Dacite, Quartz Porphyry (dyke)                       |
|                  |  | Gossan   |
|                  |  | Fractures  |

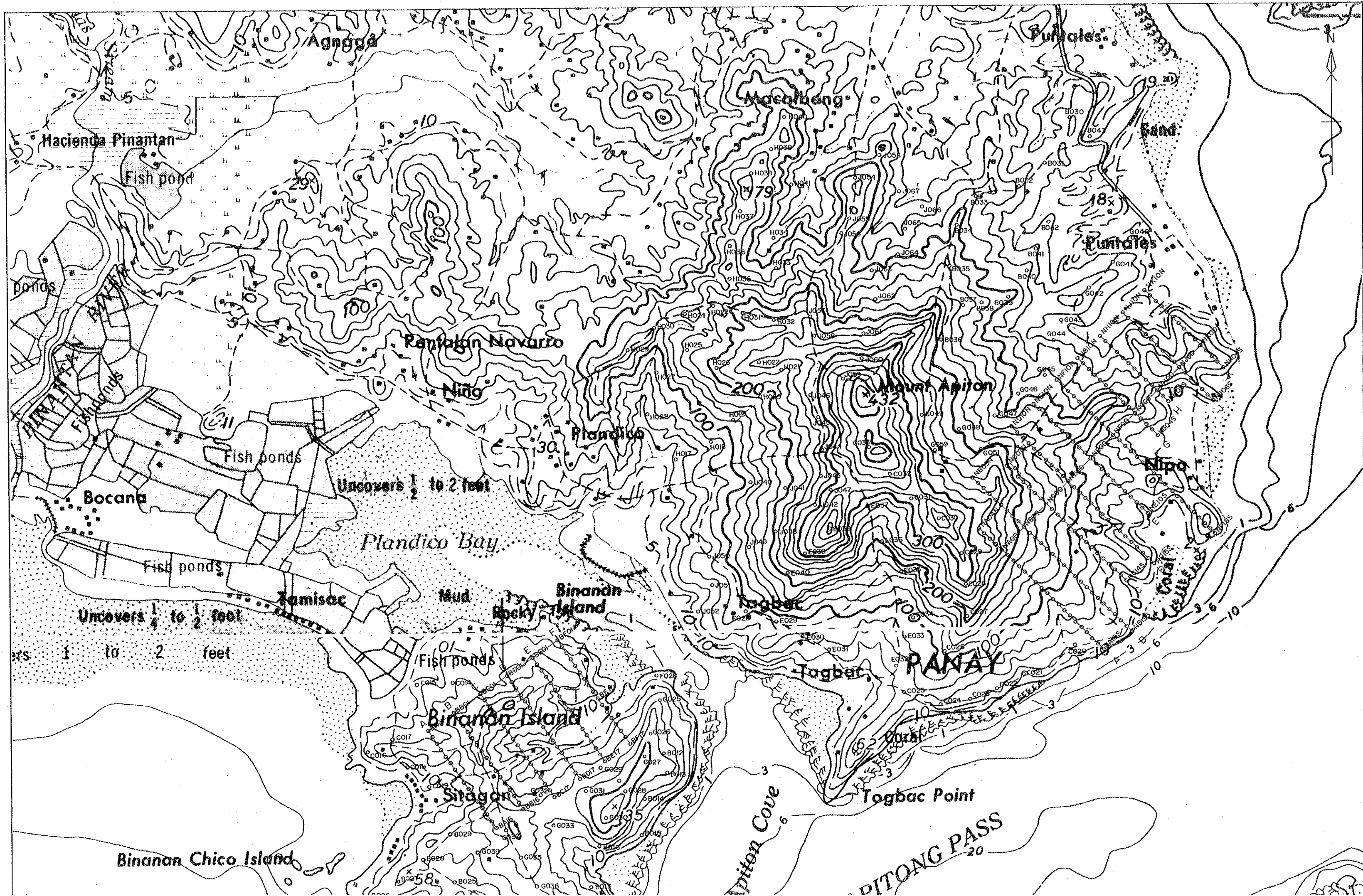




LEGEND

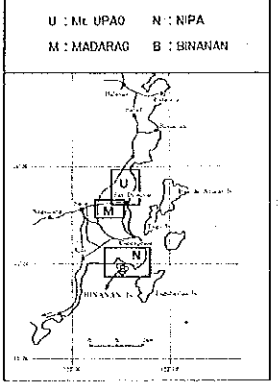
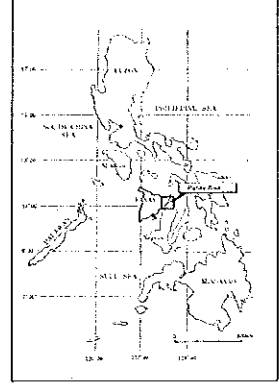
|                                    |                               |  |
|------------------------------------|-------------------------------|--|
| Holocene                           | [Blank box]                   | Alluvium   |
| Late Pliocene "Odiongan" Volcanics | [Stippled box]                | Andesite (intensively altered)                       |
| Early Paleocene Sibola Formation   | [Box with triangles]          | Andesitic Agglomerate, Tuff Breccia, with minor Tuff |
|                                    | [Box with inverted triangles] | Andesite Lava  |
|                                    | [Box with horizontal lines]   | Tuffaceous Sandstone, Mudstone                       |
|                                    | [Box with diagonal lines]     | Mudstone   |
| Intrusive Rock                     | [Box with plus signs]         | Quartz diorite                                       |
|                                    | [Box with L's]                | Dacite, Quartz Porphyry (dyke)                       |
|                                    | [Box with wavy lines]         | Gosson   |
|                                    | [Box with vertical lines]     | Fractures  |





MINERAL EXPLORATION  
IN  
PANAY AREA  
IN THE REPUBLIC OF THE PHILIPPINES  
Soil Sample Location Map  
Nipa, Bananan Area

LOCATION INDEX



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METAL MINING AGENCY OF JAPAN  
BUREAU OF MINES and GEO-SCIENCES

FEBRUARY 1992



Agungga

Puntales

Agcalbang

Rantolan Navarro

Niño

Plandico

Mount Apiton

Nipa

Plandico Bay

Tamisac

Mud

Binanan  
Rocky Island

Tagbat

Tagbat

PANAY

Binanan Island

Sitagan

Tagbac Point

Apiton Cove

PITONG PASS

Uncovers 1/2 to 2 feet

Coral

Reef

Shoals

reef

reef

reef

reef

reef

reef

reef

reef

reef

land

land

land

land

land

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