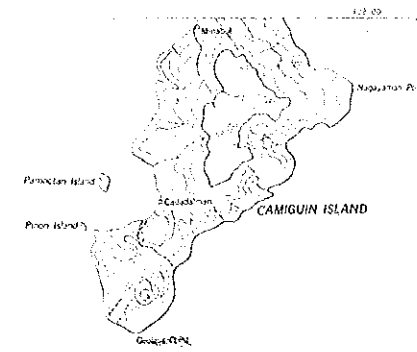


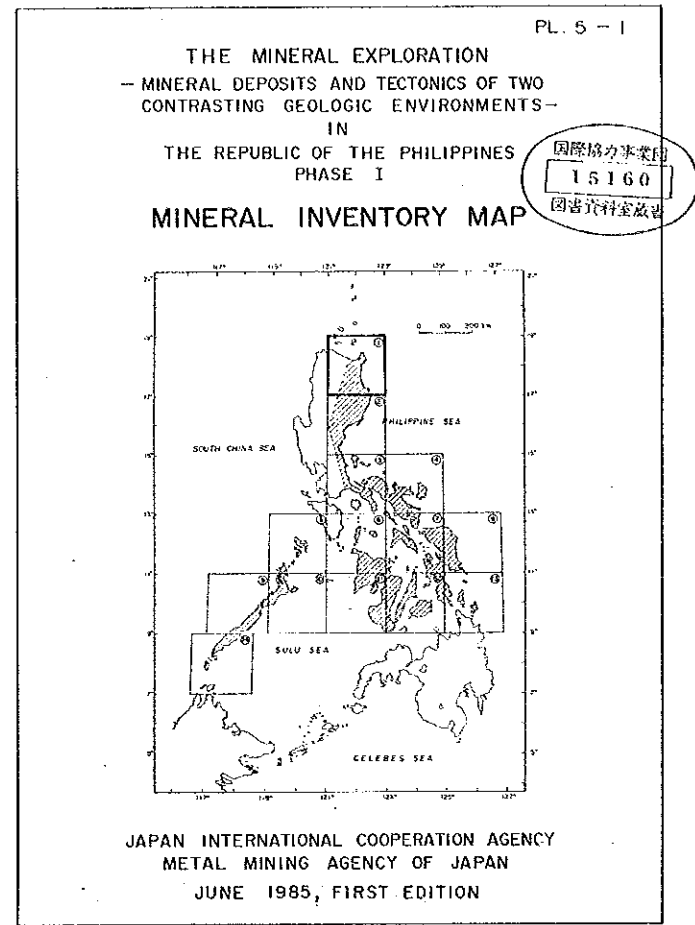
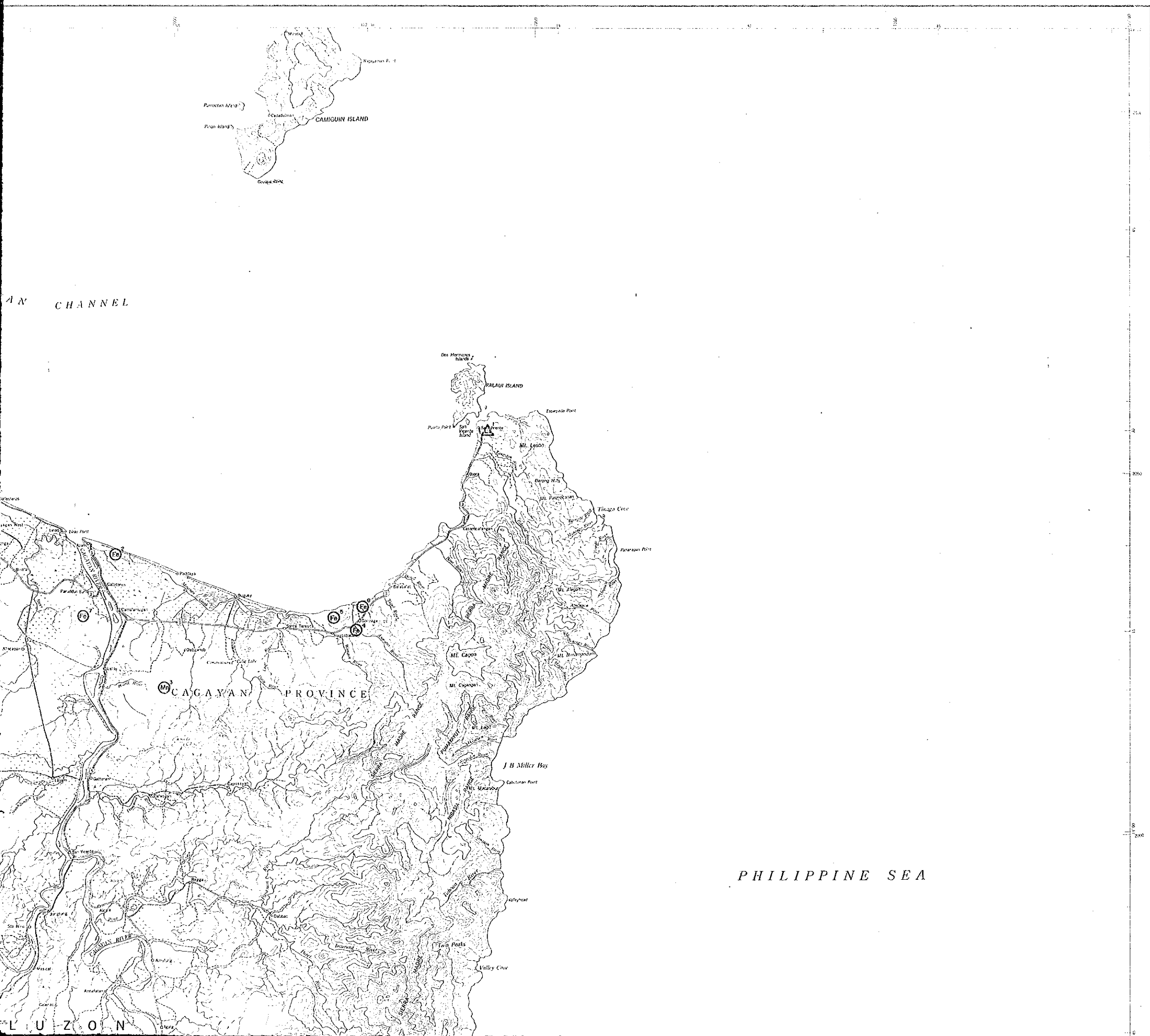
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BABUYAN CHANNEL



PHILIPPINE SEA



国際協力事業団
15160
国産資料室蔵

LEGEND

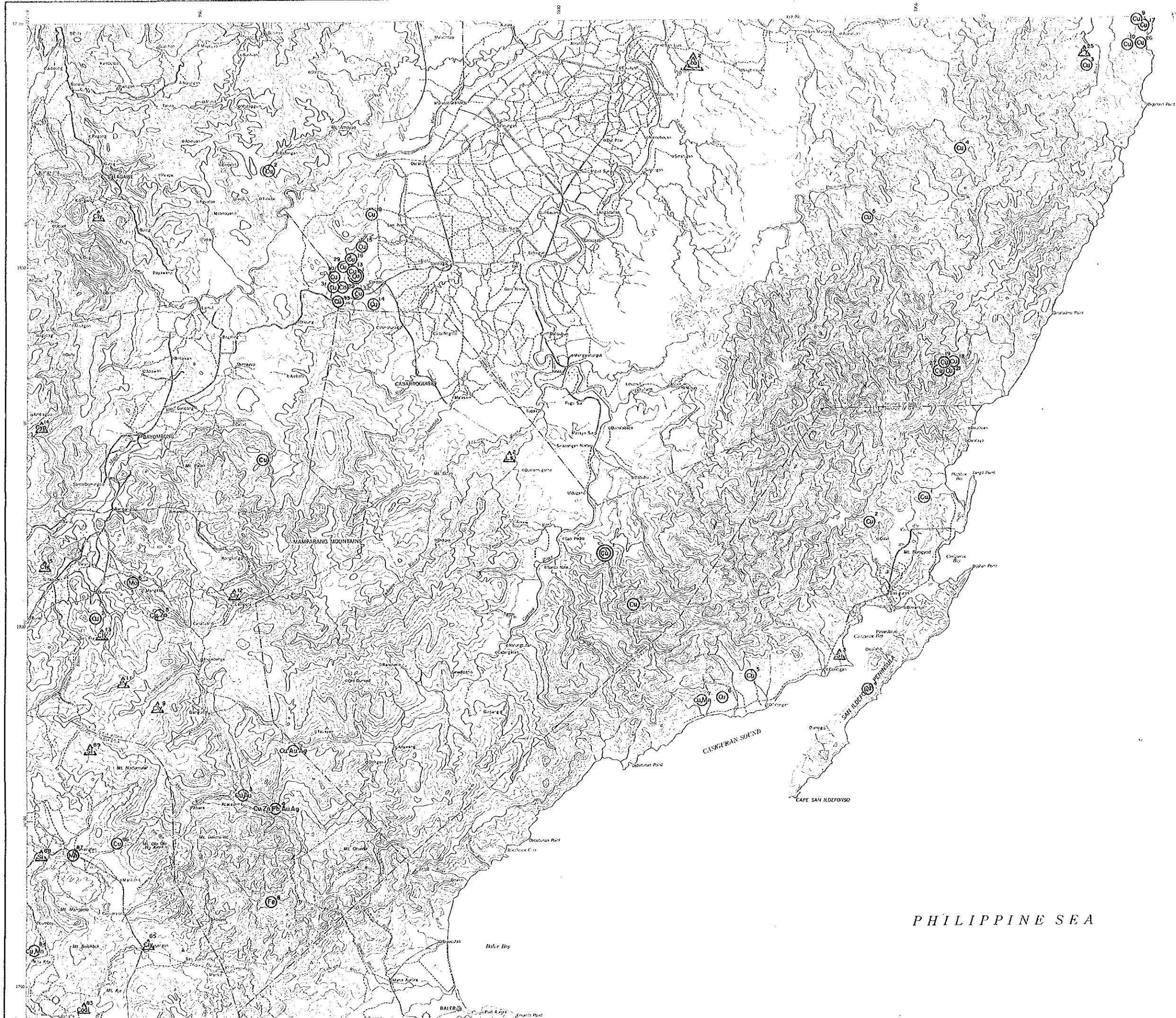
- Deposit**
- | | | |
|----------|-------------|---|
| metallic | nonmetallic | |
| ⊙ | △ | : Operating mine |
| ○ | △ | : Explored, Developed, Prospect or Indication |

- Symbols**
- | metallics | nonmetallics |
|-----------------|--------------------------|
| Au : Gold | Asb : Asbestos |
| Ag : Silver | Asp : Asphalt |
| Al : Aluminum | Bar : Barite |
| As : Arsenic | Bnt : Bentonite |
| Bax : Bauxite | Cl : Clay |
| Cu : Copper | Coal : Coal |
| Co : Cobalt | Dia : Diatomaceous Earth |
| Cr : Chromite | Dol : Dolomite |
| Fe : Iron | Fd : Feldspar |
| Hg : Mercury | Fl : Fluorite |
| Mn : Manganese | Gn : Guano |
| Mo : Molybdenum | Gnp : Guano-Phosphate |
| Ni : Nickel | Gr : Granite |
| Pb : Lead | Gyp : Gypsum |
| Sb : Antimony | Ls : Limestone |
| Sn : Tin | Mbl : Marble |
| U : Uranium | P : Phosphate |
| W : Tungsten | Peb : Pebble |
| Zn : Zinc | Peat : Peat |
| | Per : Perlite |
| | Py : Pyrite |
| | S : Sulfur |
| | Sh : Shale |
| | Si : Silica |
| | Sil : Silica Sand |



PHILIPPINE SEA

metallics		nonmetallics	
Au	Gold	Asb	Asbestos
Ag	Silver	Asp	Asphalt
Al	Aluminum	Bar	Barite
As	Arsenic	Bnt	Bentonite
Bax	Bauxite	Cly	Clay
Cu	Copper	Coal	Coal
Co	Cobalt	Dia	Diatomaceous Earth
Cr	Chromite	Dol	Dolomite
Fe	Iron	Fd	Feldspar
Hg	Mercury	Fl	Flourite
Mn	Manganese	Gn	Guano
Mo	Molybdenum	Gnp	Guano-Phosphate
Ni	Nickel	Gr	Granite
Pb	Lead	Gyp	Gypsum
Sb	Antimony	Ls	Limestone
Sn	Tin	Mbl	Marble
U	Uranium	P	Phosphate
W	Tungsten	Peb	Pebble
Zn	Zinc	Peat	Peat
		Per	Perlite
		Py	Pyrite
		S	Sulfur
		Sh	Shale
		Si	Silica
		Sis	Silica Sand
		SS	Sandstone
		Tlc	Talc



PHILIPPINE SEA



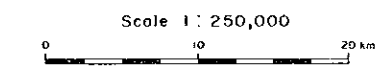
PL. 5 - 2

THE MINERAL EXPLORATION
- MINERAL DEPOSITS AND TECTONICS OF TWO
CONTRASTING GEOLOGIC ENVIRONMENTS -
IN
THE REPUBLIC OF THE PHILIPPINES
PHASE I

MINERAL INVENTORY MAP

國際協力事業団
15160
国産資料室蔵書

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
JUNE 1985, FIRST EDITION



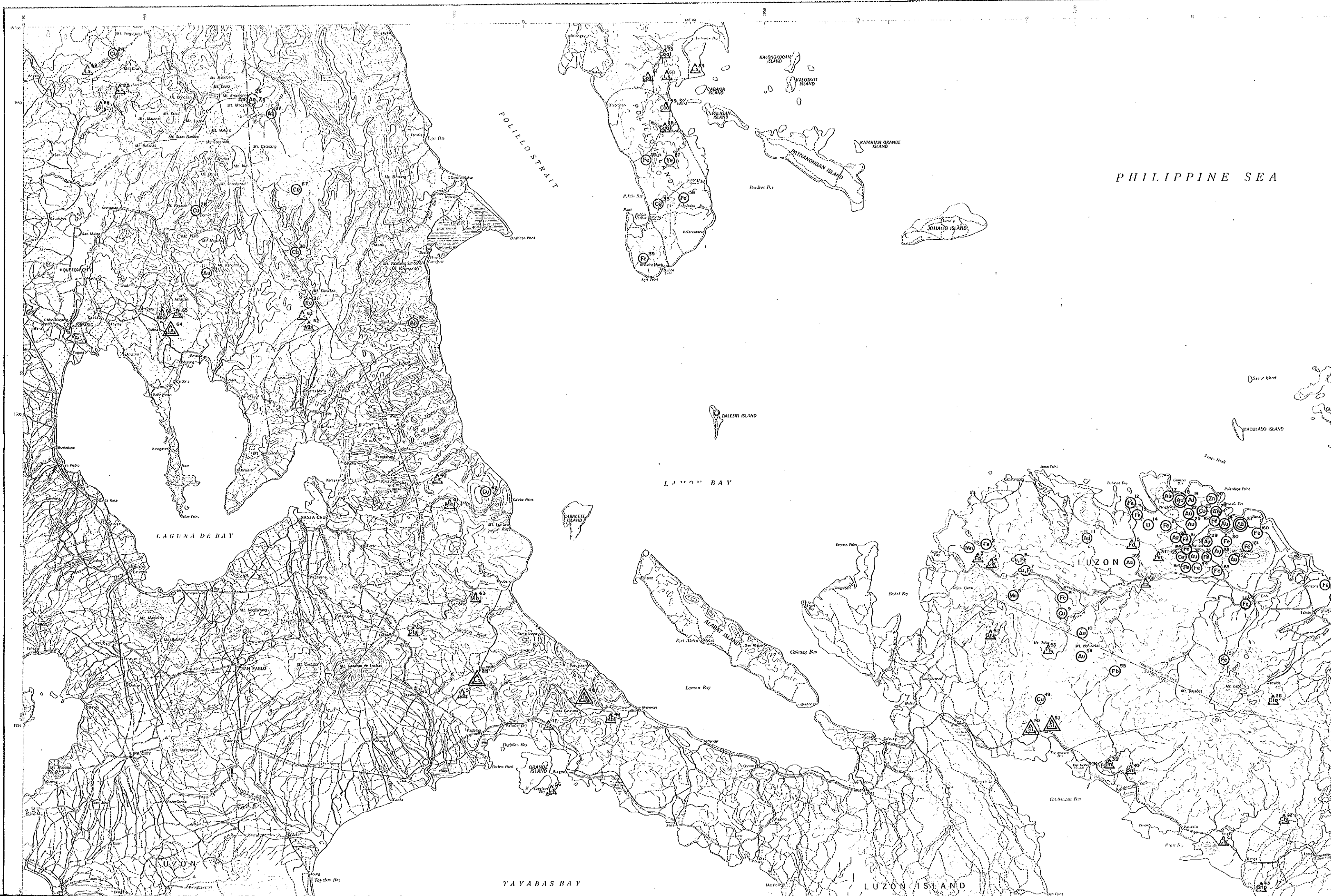
LEGEND

- Deposit**
- | | | |
|-----------------------------------|--------------------------------------|--|
| <p>metallic</p> <p>○</p> <p>○</p> | <p>nonmetallic</p> <p>△</p> <p>△</p> | <p>: Operating mine</p> <p>: Explored, Developed, Prospect or Indication</p> |
|-----------------------------------|--------------------------------------|--|

- Symbols**
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| Cr : Chromite | Dol : Dolomite |
| Fe : Iron | Fd : Feldspar |
| Hg : Mercury | Fl : Fluorite |
| Mn : Manganese | Gn : Guano |
| Mo : Molybdenum | Gnp : Guano-Phosphate |
| Ni : Nickel | Gr : Granite |
| Pb : Lead | Gyp : Gypsum |
| Sb : Antimony | Ls : Limestone |
| Sn : Tin | Mbl : Marble |
| U : Uranium | P : Phosphate |
| W : Tungsten | Peb : Pebble |
| Zn : Zinc | Peat : Peat |
| | Per : Perlite |
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Mo	: Molybdenum	Gnp	: Guano-Phosphate
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		Py	: Pyrite
		S	: Sulfur
		Sh	: Shale
		Si	: Silica
		SiS	: Silica Sand
		SS	: Sandstone
		Tlc	: Talc



PHILIPPINE SEA

POLILLO STRAIT

LAGUNA DE BAY

LAMON BAY

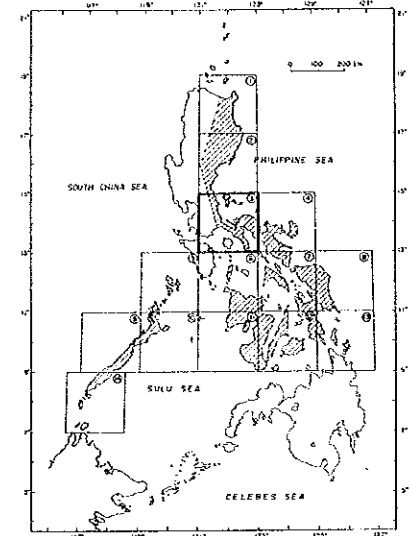
TAYABAS BAY

LUZON ISLAND

LUZON

THE MINERAL EXPLORATION
 - MINERAL DEPOSITS AND TECTONICS OF TWO
 CONTRASTING GEOLOGIC ENVIRONMENTS -
 IN
 THE REPUBLIC OF THE PHILIPPINES
 PHASE I

MINERAL INVENTORY MAP



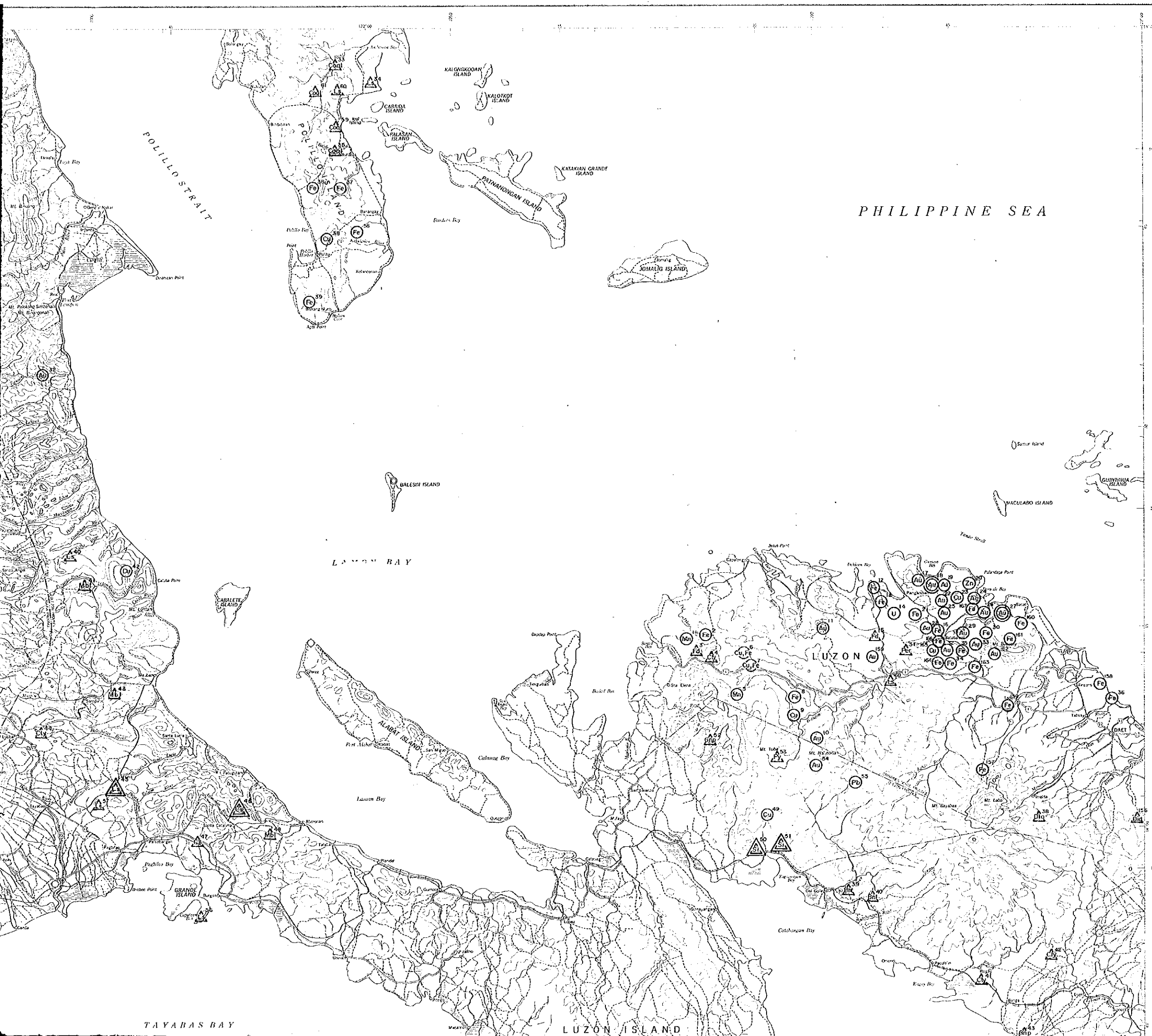
JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 JUNE 1985, FIRST EDITION

Scale 1:250,000
 0 10 20 km

LEGEND

- Deposit**
- | | | |
|----------|-------------|---|
| metallic | nonmetallic | |
| ⊙ | △ | Operating mine |
| ○ | △ | Explored, Developed, Prospect or Indication |

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| Cu | Copper | Cool | Coal |
| Co | Cobalt | Dia | Diatomaceous Earth |
| Cr | Chromite | Dol | Dolomite |
| Fe | Iron | Fd | Feldspar |
| Hg | Mercury | Fl | Flourite |
| Mn | Manganese | Gn | Guano |
| Mo | Molybdenum | Gnp | Guano-Phosphate |
| Ni | Nickel | Gr | Granite |
| Pb | Lead | Gyp | Gypsum |
| Sb | Antimony | Ls | Limestone |
| Sn | Tin | Mbl | Marble |
| U | Uranium | P | Phosphate |
| W | Tungsten | Peb | Pebble |
| Zn | Zinc | Peat | Peat |
| | | Per | Perlite |
| | | Pyr | Pyrite |
| | | S | Sulfur |
| | | Sh | Shale |
| | | Si | Silica |
| | | Sis | Silica Sand |





LEGEND

<ul style="list-style-type: none"> • MANILA ○ BAGUIO ○ BATAVIA ○ CALAPAN ○ DAVAO ○ DZAU ○ ILOILO ○ MANILA ○ MARIQUITA ○ MOUNTAIN ○ PORT ○ RIVER ○ ROAD ○ TOWN ○ VILLAGE 	<ul style="list-style-type: none"> • MANILA ○ BAGUIO ○ BATAVIA ○ CALAPAN ○ DAVAO ○ DZAU ○ ILOILO ○ MANILA ○ MARIQUITA ○ MOUNTAIN ○ PORT ○ RIVER ○ ROAD ○ TOWN ○ VILLAGE 	<ul style="list-style-type: none"> ○ BAGUIO ○ BATAVIA ○ CALAPAN ○ DAVAO ○ DZAU ○ ILOILO ○ MANILA ○ MARIQUITA ○ MOUNTAIN ○ PORT ○ RIVER ○ ROAD ○ TOWN ○ VILLAGE
--	--	--



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Ag	Silver	Asp	Asphalt
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Bax	Bauxite	Cty	Clay
Cu	Copper	Coal	Coal
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Mo	Molybdenum	Gnp	Guano-Phosphate
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Pb	Lead	Gyp	Gypsum
Sb	Antimony	Ls	Limestone
Sn	Tin	Mbl	Marble
U	Uranium	P	Phosphate
W	Tungsten	Peb	Pebble
Zn	Zinc	Peat	Peat
		Per	Perlite
		Py	Pyrite
		S	Sulfur
		Sh	Shale
		Sl	Silica
		SIS	Silica Sand
		SS	Sandstone
		Tlc	Talc



PHILIPPINE SEA

SAN MIGUEL BAY

CARAMOAN PENINSULA

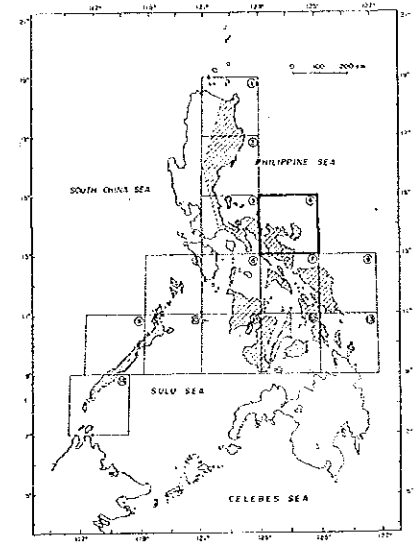
CATANOUANES ISLAND

MAQUEDA CHANNEL

THE MINERAL EXPLORATION
 - MINERAL DEPOSITS AND TECTONICS OF TWO
 CONTRASTING GEOLOGIC ENVIRONMENTS -
 IN
 THE REPUBLIC OF THE PHILIPPINES
 PHASE I

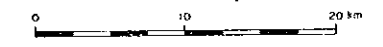
国際協力年表
 1980
 国書資料室蔵

MINERAL INVENTORY MAP



JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 JUNE 1985, FIRST EDITION

Scale 1 : 250,000



LEGEND

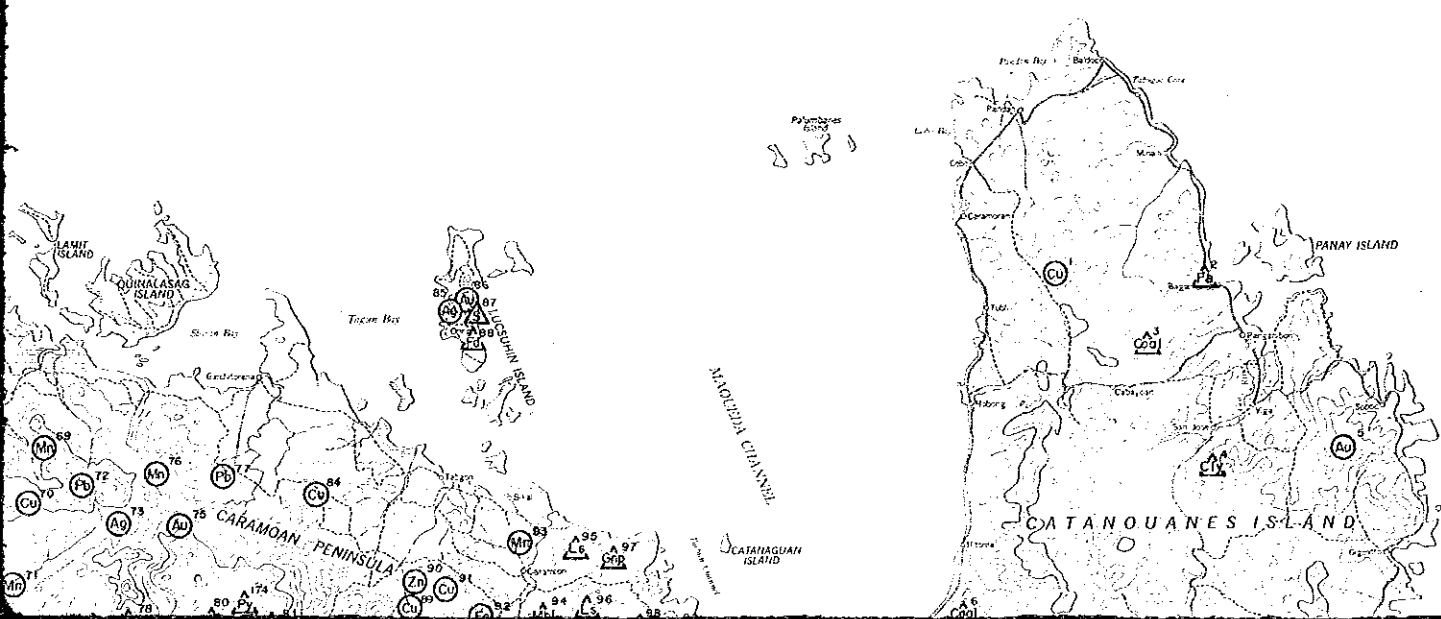
Deposit

- | | | |
|----------|-------------|---|
| metallic | nonmetallic | |
| ⊙ | △ | : Operating mine |
| ○ | △ | : Explored, Developed, Prospect or Indication |

Symbols

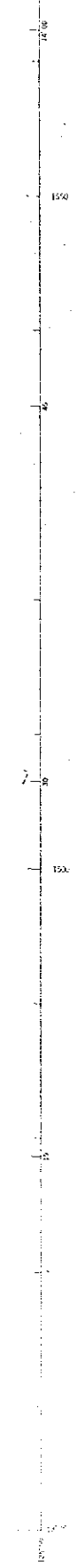
- | metallics | nonmetallics |
|-----------------|--------------------------|
| Au : Gold | Asb : Asbestos |
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| Bax : Bauxite | Cly : Clay |
| Cu : Copper | Coal : Coal |
| Co : Cobalt | Dia : Diatomaceous Earth |
| Cr : Chromite | Dol : Dolomite |
| Fe : Iron | Fd : Feldspar |
| Hg : Mercury | Fl : Flourite |
| Mn : Manganese | Gn : Guano |
| Mo : Molybdenum | Gnp : Guano-Phosphate |
| Ni : Nickel | Gr : Granite |
| Pb : Lead | Gyp : Gypsum |
| Sb : Antimony | Ls : Limestone |
| Sn : Tin | Mbl : Marble |
| U : Uranium | P : Phosphate |
| W : Tungsten | Peb : Pebble |
| Zn : Zinc | Peat : Peat |
| | Per : Perlite |
| | Py : Pyrite |
| | S : Sulfur |
| | Sh : Shale |
| | Si : Silica |
| | Sis : Silica Sand |

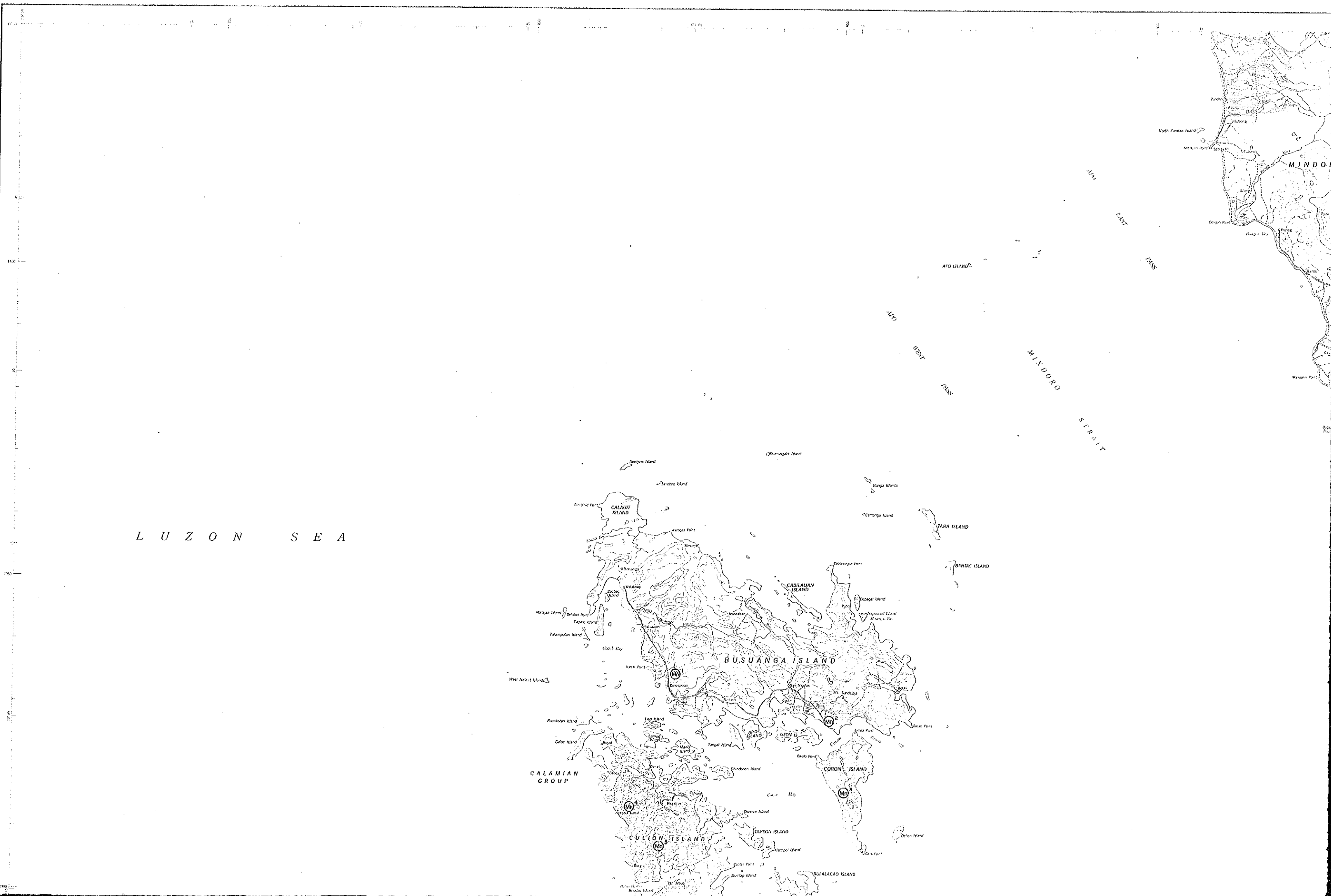
PHILIPPINE SEA





Au	: Gold	Asb	: Asbestos
Ag	: Silver	Asp	: Asphalt
Al	: Aluminum	Bar	: Barite
As	: Arsenic	Bnt	: Bentonite
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Zn	: Zinc	Per	: Perlite
		Py	: Pyrite
		S	: Sulfur
		Sh	: Shale
		Si	: Silica
		Sils	: Silica Sand
		SS	: Sandstone
		Tic	: Talc





L U Z O N S E A

APU ISLAND

WEST PASS

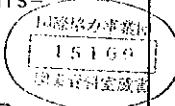
EAST PASS

MINDORO STRAIT

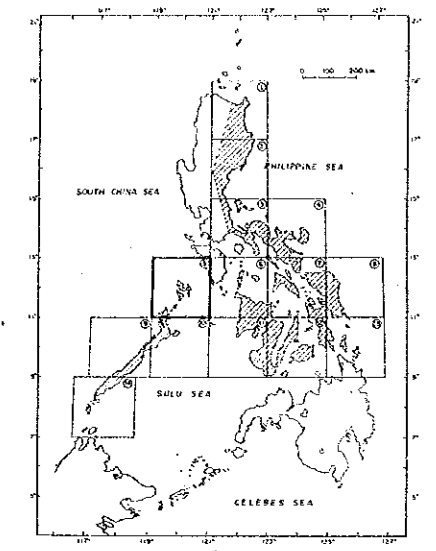
MINDORO

Denise Island
Dumaguete Island
Tapanan Island
CALAUIT ISLAND
Lingas Point
CABILAUAN ISLAND
BANTAC ISLAND
YARA ISLAND
BUSUANGA ISLAND
CORON ISLAND
CULION ISLAND
BULALACAO ISLAND
CALAMIAN GROUP
Apo Island
USON ISLAND
MINDORO STRAIT
WEST PASS
EAST PASS
Luzon Sea

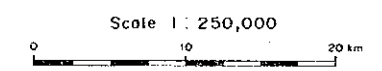
THE MINERAL EXPLORATION
- MINERAL DEPOSITS AND TECTONICS OF TWO
CONTRASTING GEOLOGIC ENVIRONMENTS -
IN
THE REPUBLIC OF THE PHILIPPINES
PHASE I



MINERAL INVENTORY MAP



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
JUNE 1985, FIRST EDITION



LEGEND

- Deposit**
- metallic nonmetallic
 - ⊙ ⊚ : Operating mine
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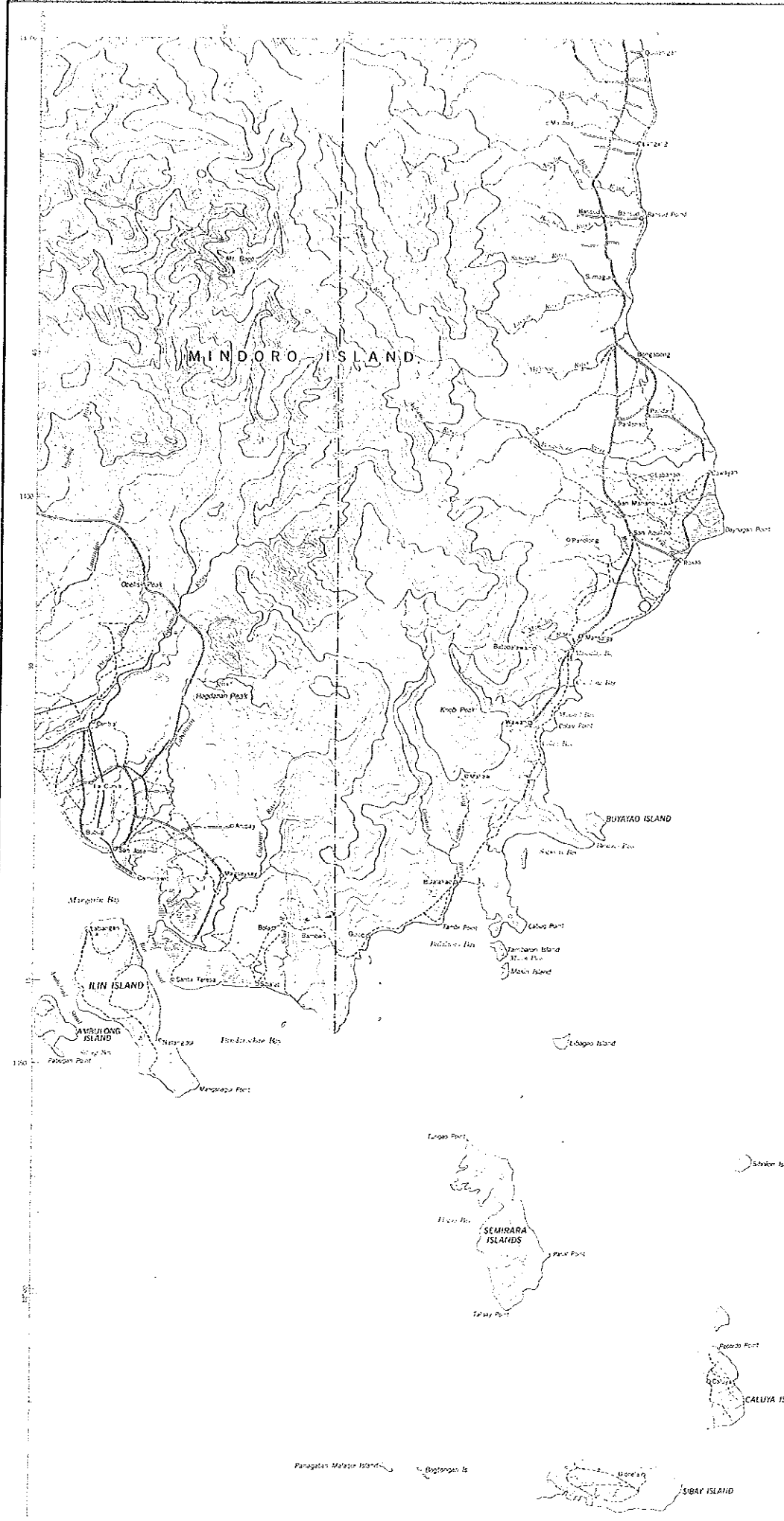
Symbols

metallics	nonmetallics
Au : Gold	Asb : Asbestos
Ag : Silver	Asp : Asphalt
Al : Aluminum	Bar : Barite
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W : Tungsten	Peb : Pebble
Zn : Zinc	Peat : Peat
	Per : Perlite
	Py : Pyrite
	S : Sulfur
	Sh : Shale
	Sl : Silica

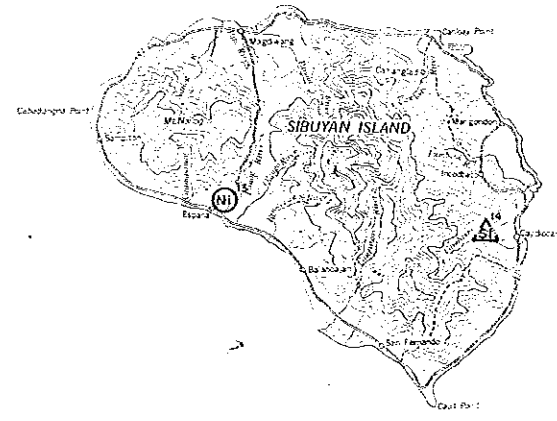
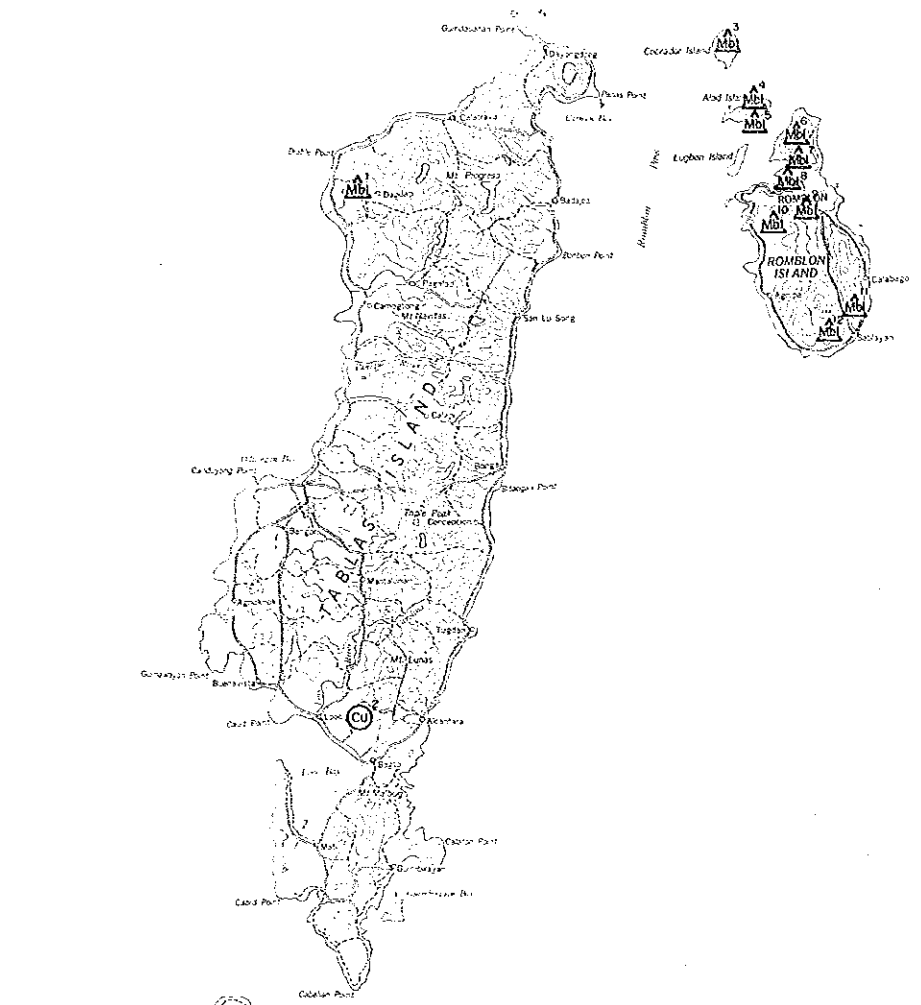




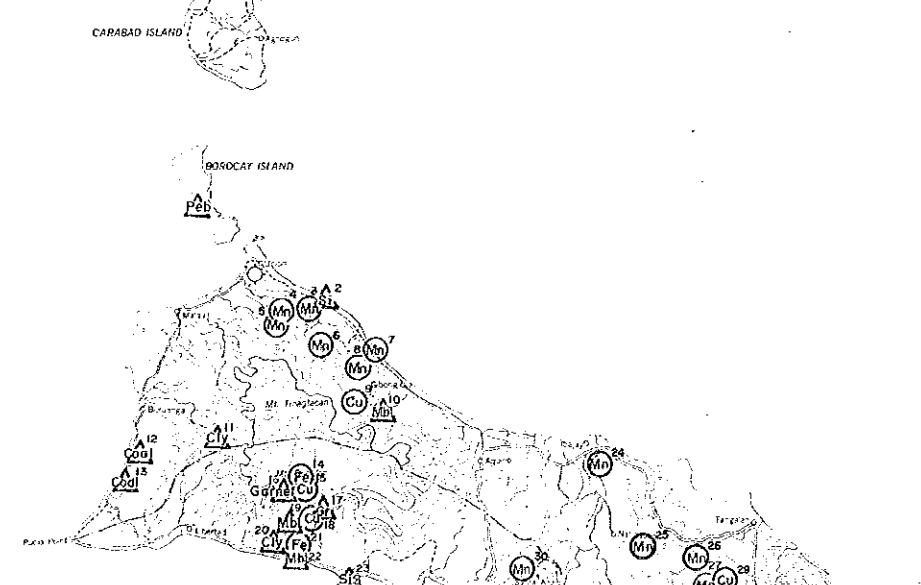
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		Sh	: Shale
		Sl	: Silica
		SiS	: Silica Sand
		SS	: Sandstone
		Tlc	: Talc



TABLAS STRAIT

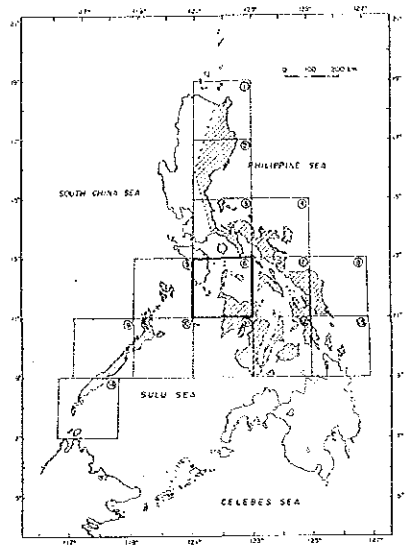


SIBUYAN SEA



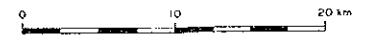
THE MINERAL EXPLORATION
 - MINERAL DEPOSITS AND TECTONICS OF TWO
 CONTRASTING GEOLOGIC ENVIRONMENTS -
 IN
 THE REPUBLIC OF THE PHILIPPINES
 PHASE I
MINERAL INVENTORY MAP

15160
 15160



JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 JUNE 1985, FIRST EDITION

Scale 1 : 250,000



LEGEND

Deposit

- | | | |
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SIBUYAN SEA

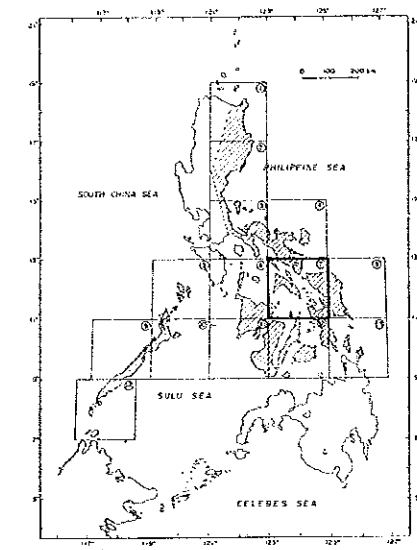


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THE MINERAL EXPLORATION
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 IN
 THE REPUBLIC OF THE PHILIPPINES
 PHASE I

国際協力事業団
 15160
 図書資料室蔵書

MINERAL INVENTORY MAP



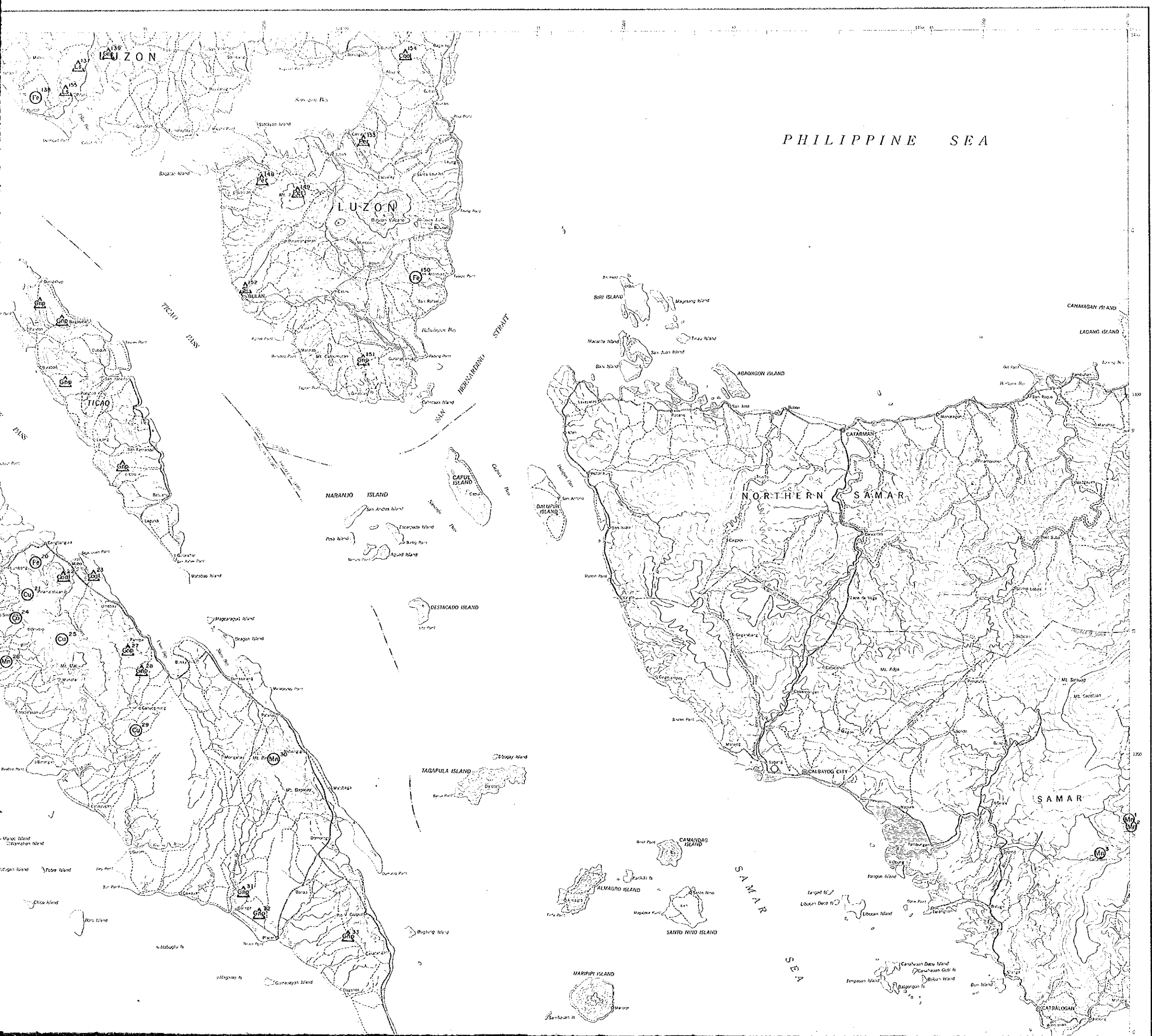
JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 JUNE 1985, FIRST EDITION

Scale 1 : 250,000
 0 10 20 km

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| As | : Arsenic | Bnl | : Bentonite |
| Bax | : Bauxite | Cly | : Clay |
| Cu | : Copper | Coal | : Coal |
| Co | : Cobalt | Dia | : Diatomaceous Earth |
| Cr | : Chromite | Dol | : Dolomite |
| Fe | : Iron | Fd | : Feldspar |
| Hg | : Mercury | Fl | : Flourite |
| Mn | : Manganese | Gn | : Guano |
| Mo | : Molybdenum | Gnp | : Guano-Phosphate |
| Ni | : Nickel | Gr | : Granite |
| Pb | : Lead | Gyp | : Gypsum |
| Sb | : Antimony | Ls | : Limestone |
| Sn | : Tin | Mbl | : Marble |
| U | : Uranium | P | : Phosphate |
| W | : Tungsten | Peb | : Pebble |
| Zn | : Zinc | Peat | : Peat |
| | | Per | : Perlite |
| | | Py | : Pyrite |
| | | S | : Sulfur |
| | | Sh | : Shale |
| | | Si | : Silica |
| | | Sis | : Silica Sand |





LEGEND

Contour lines	• MARIKINA	○ MARIKINA
City	○ BATANGAS	○ BATANGAS
Major town	○ MARIKINA	○ MARIKINA
Minor town	○ MARIKINA	○ MARIKINA
Water	○ MARIKINA	○ MARIKINA
Swamp	○ MARIKINA	○ MARIKINA
Barren land	○ MARIKINA	○ MARIKINA
Forest	○ MARIKINA	○ MARIKINA
Highway	○ MARIKINA	○ MARIKINA
Road	○ MARIKINA	○ MARIKINA
Railroad	○ MARIKINA	○ MARIKINA
Telegraph line	○ MARIKINA	○ MARIKINA
Telephone line	○ MARIKINA	○ MARIKINA
Power line	○ MARIKINA	○ MARIKINA
Waterway	○ MARIKINA	○ MARIKINA
Canal	○ MARIKINA	○ MARIKINA
Drainage	○ MARIKINA	○ MARIKINA
Boundary	○ MARIKINA	○ MARIKINA
Other	○ MARIKINA	○ MARIKINA



Au	: Gold	Asb	: Asbestos
Ag	: Silver	Asp	: Asphalt
Al	: Aluminum	Bar	: Barite
As	: Arsenic	Bnl	: Bentonite
Bax	: Bauxite	Cly	: Clay
Cu	: Copper	Coal	: Coal
Co	: Cobalt	Dia	: Diatomaceous Earth
Cr	: Chromite	Dol	: Dolomite
Fe	: Iron	Fd	: Feldspar
Hg	: Mercury	Fl	: Fluorite
Mn	: Manganese	Gn	: Guano
Mo	: Molybdenum	Gnp	: Guano-Phosphate
Ni	: Nickel	Gr	: Granite
Pb	: Lead	Gyp	: Gypsum
Sb	: Antimony	Ls	: Limestone
Sn	: Tin	Mbl	: Marble
U	: Uranium	P	: Phosphate
W	: Tungsten	Peb	: Pebble
Zn	: Zinc	Peat	: Peat
		Per	: Perlite
		Py	: Pyrite
		S	: Sulfur
		Sh	: Shale
		Sl	: Silica
		SlS	: Silica Sand
		SS	: Sandstone
		Tlc	: Talc