

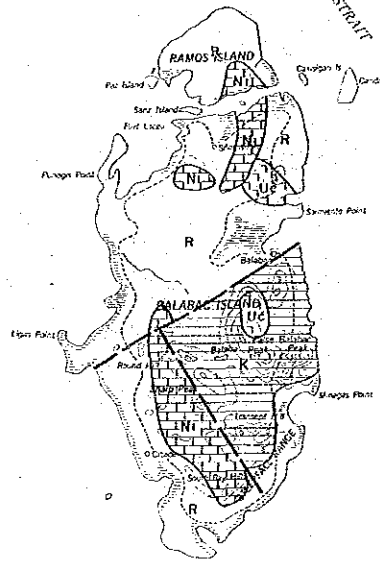
SOUTH CHINA SEA

PALAWAN PASSAGE

S U L U S E A

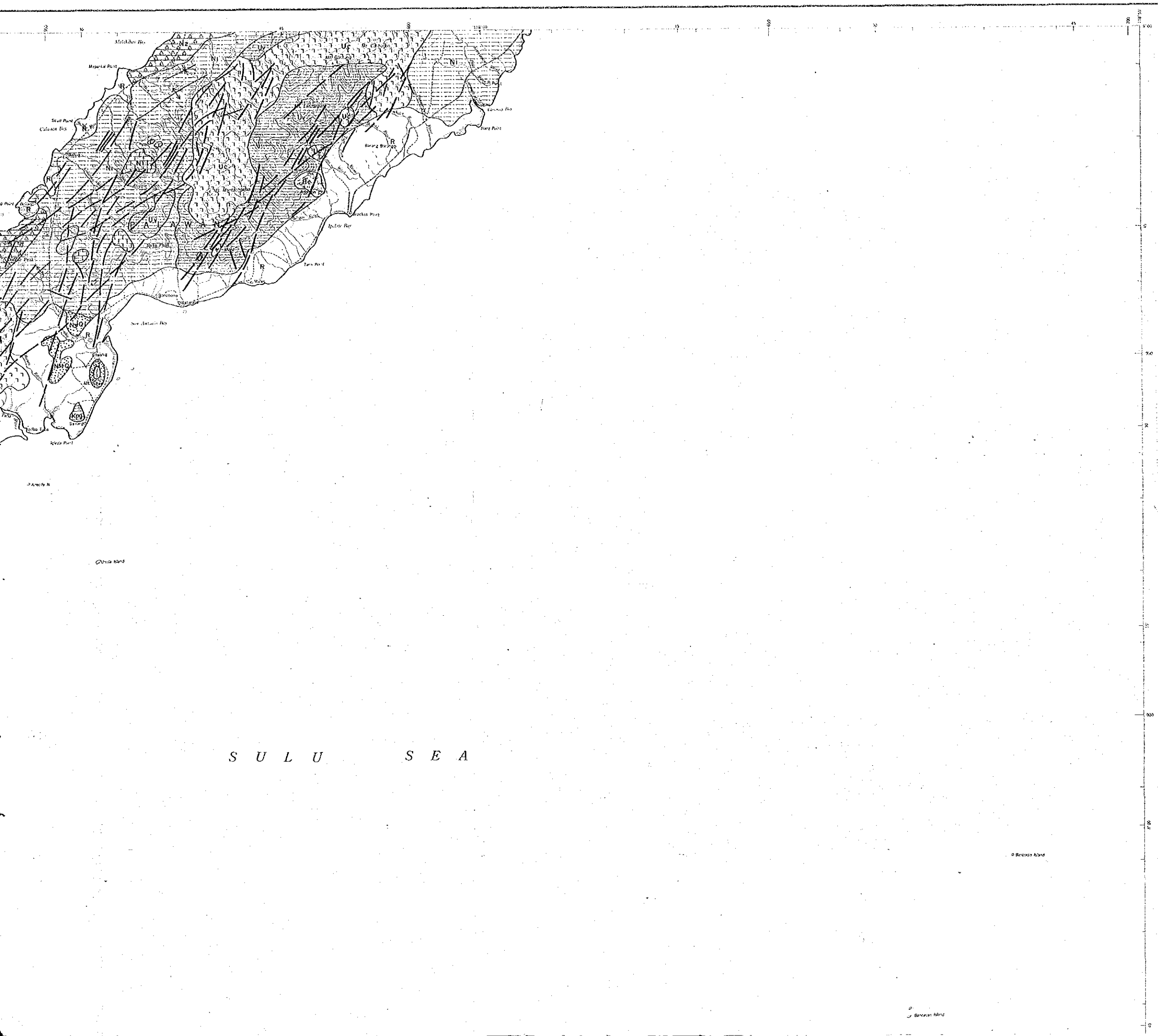
NORTH BALABAC STRAIT

NORTH CHANNEL

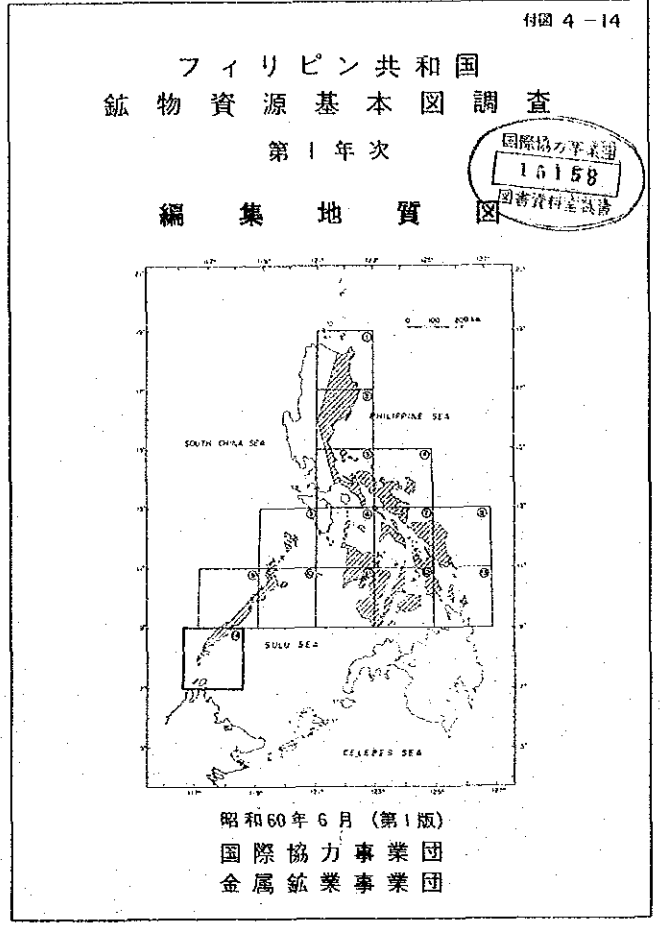


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S U L U S E A



LEGEND

STRATIFIED ROCKS

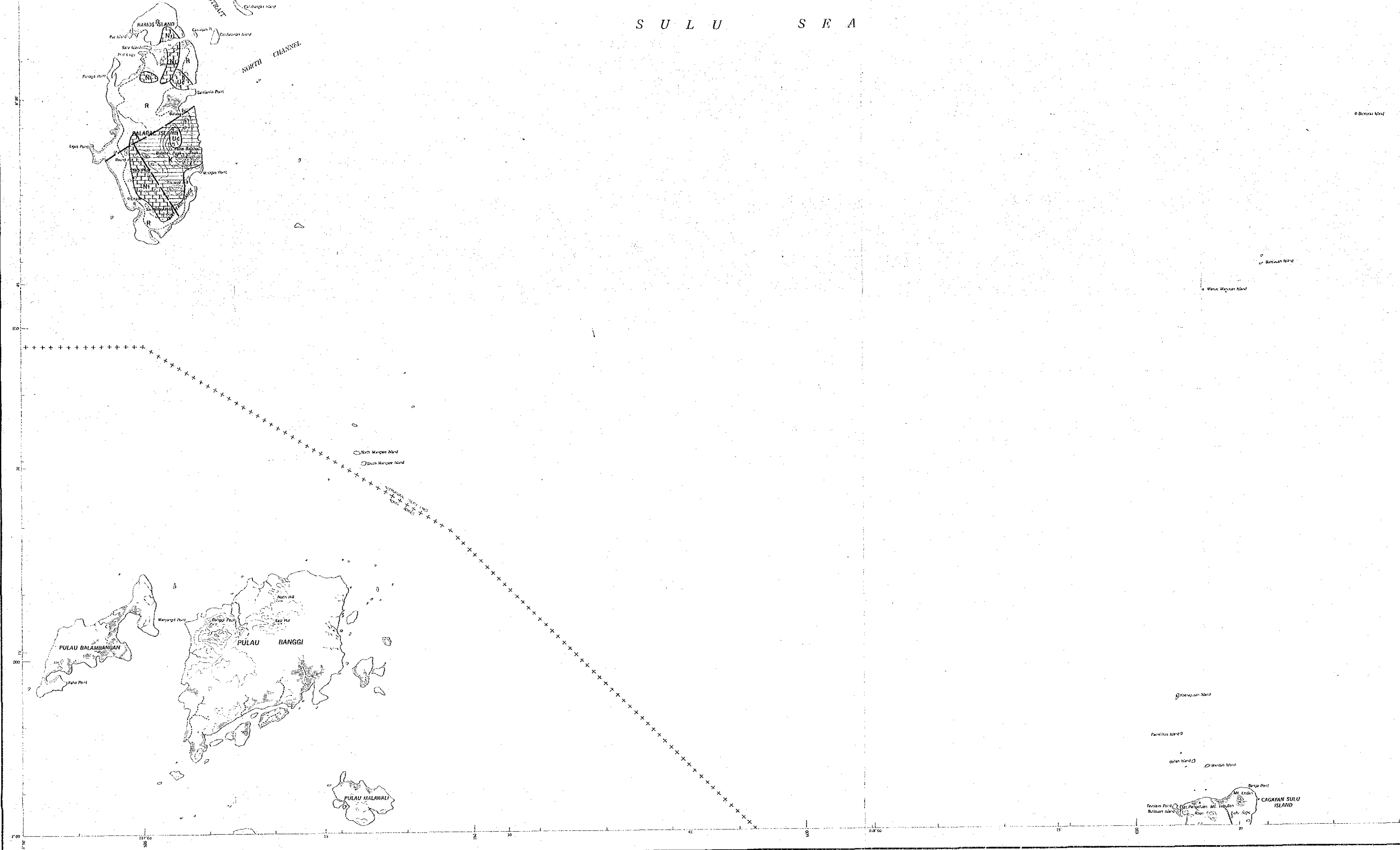
- Recent
  - R Alluvium and beach deposits
  - R Coral reefs
- Pliocene-Pleistocene
  - N<sub>3</sub>+Q<sub>1</sub> Marine and terrestrial sediments associated with extensive reef limestone and sporadic terrace gravel deposits.
- Upper Miocene
  - N<sub>2</sub>+M<sub>3</sub> Largely marine clastics and dacite and/or andesite flows, generally with pyroclastics. Associated with silty limestone.
- Lower-Middle Miocene
  - N<sub>1</sub> Conglomerate, wackes, shale and reef limestone, associated with basic to intermediate flows and pyroclastics.
  - N<sub>1</sub> Limestone.
- Paleocene-Eocene
  - Pg Marine deposits, largely wackes and shale, associated with minor basalt, conglomerate, reef limestone and calcarenite, sometimes with dacite and/or andesite flows and pyroclastics.
- Cretaceous-Paleogene
  - Kpg Undifferentiated graywackes and metamorphosed shale with spilite, basic flows and pyroclastics.
- Cretaceous
  - K Extensive, transgressive graywackes and shale, intercalated with spilites. Associated with tuffaceous clastics and limestone.
- Basement Complex
  - Bc Undifferentiated schists and quartzite.

INTRUSIVE ROCKS

- Neogene
  - NI Quartz diorite, granodiorite and andesite porphyry.
- Cretaceous-Paleogene
  - Ug Ultramafic and mafic plutonic rocks, generally thrust or uplifted.

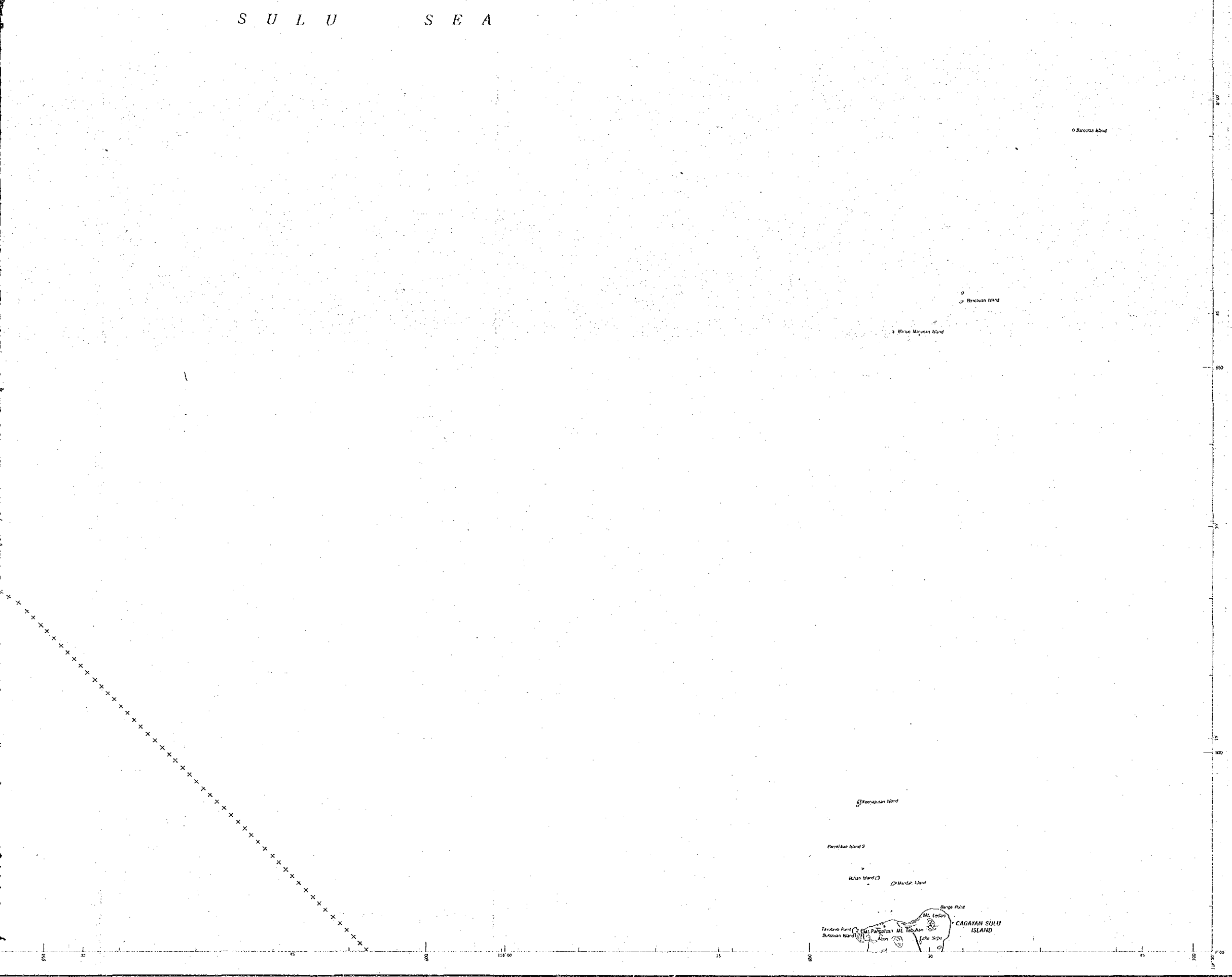
GEOLOGIC SYMBOLS

S U L U S E A



**LEGEND**

Capital city	● MATULA	Coast defense towers	▲
City, capital of province	⊙ BATANGAS	Major and minor ports	⊙
Capital of province	⊙ MALOLOLOS	Minor ports	⊙
Municipality or market place	○ MALOLOLOS	Port of call	⊙
Barangay	○ CAGAYAN	Port of call	⊙
Land area (shaded)	—	Maritime	⊙
Time zone (shaded)	—	Radio masts (shaded)	⊙
Natural boundary	+++++	Land, air, water	⊙
City boundary	—	Air	⊙
Navigation boundary (shaded in 1954)	—	Land, air, water	⊙
Top and water (shaded)	—	Land, air, water	⊙
Top and water (shaded)	—	Land, air, water	⊙
Top and water (shaded)	—	Land, air, water	⊙



Lower-Middle Miocene		with basic to intermediate flows and pyroclastics.
Paleocene-Eocene		Marine deposits, largely wackes and shales, associated with minor basalt, conglomerate, reef limestone and calcarenite, sometimes with dacitic and/or andesitic flows and pyroclastics.
Cretaceous-Paleogene		Undifferentiated graywackes and metamorphosed shale with siltite, basic flows and pyroclastics.
Cretaceous		Extensive, transgressive graywackes and shale, intercalated with siltites. Associated with tuffaceous clastics and limestone.
Basement Complex		Undifferentiated schist and quartzite.

**INTRUSIVE ROCKS**

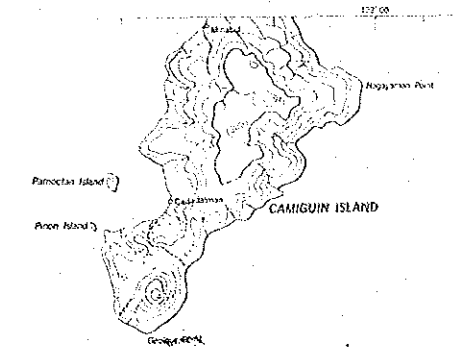
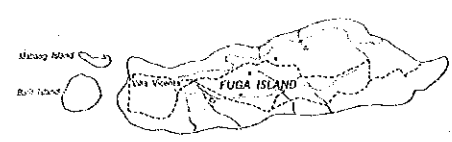
Neogene		Quartz diorite, granodiorite and andesite porphyry.
Cretaceous-Paleogene		Ultramafic and mafic plutonic rocks, generally thrust or upfaulted.

**GEOLOGIC SYMBOLS**

- Geologic contact.
- High angle fault. Dashed where inferred, arrow indicates strike-slip movement.
- Thrust fault. Dashed where inferred; saw-teeth on overriding side.
- Anticlinal axis with plunge.
- Synclinal axis with plunge.

Compiled from geology and mineral resources map of Palawan province (1:250,000)

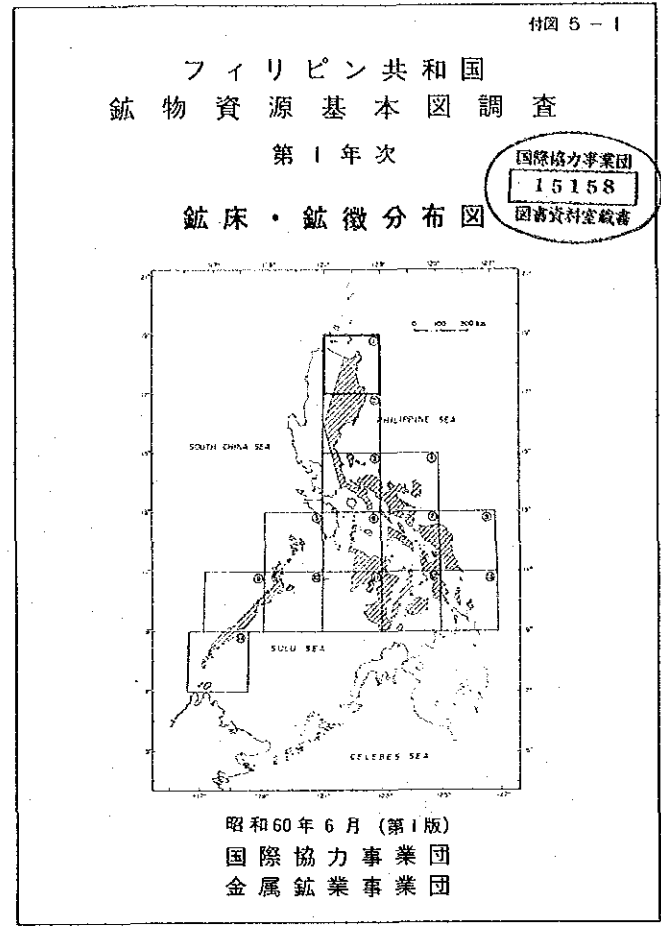
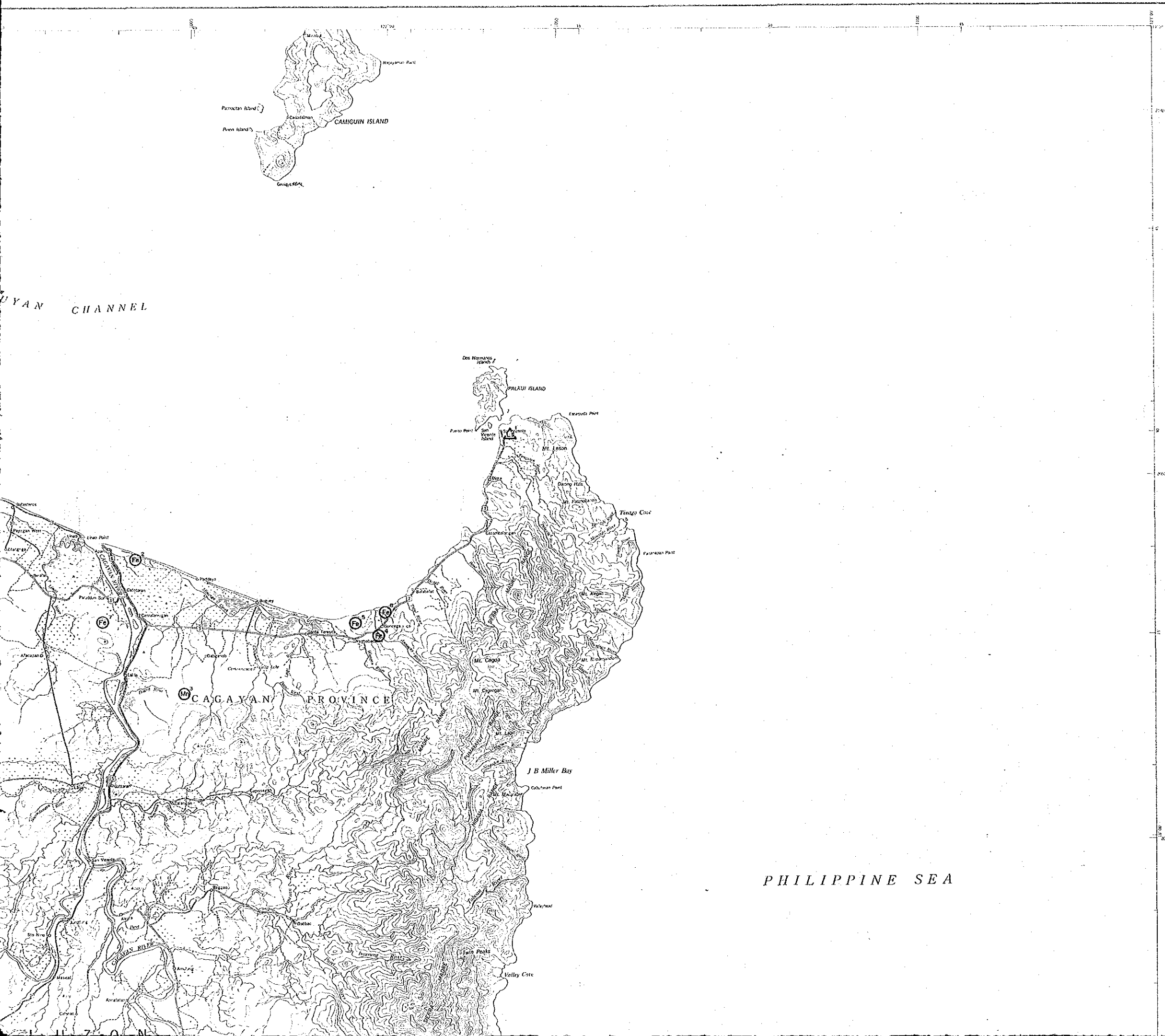
19° 00' S  
120° 00' E  
121° 00' E  
122° 00' E  
123° 00' E  
124° 00' E  
125° 00' E  
126° 00' E  
127° 00' E  
128° 00' E  
129° 00' E  
130° 00' E



BABUYAN CHANNEL



PHILIPPINE SEA

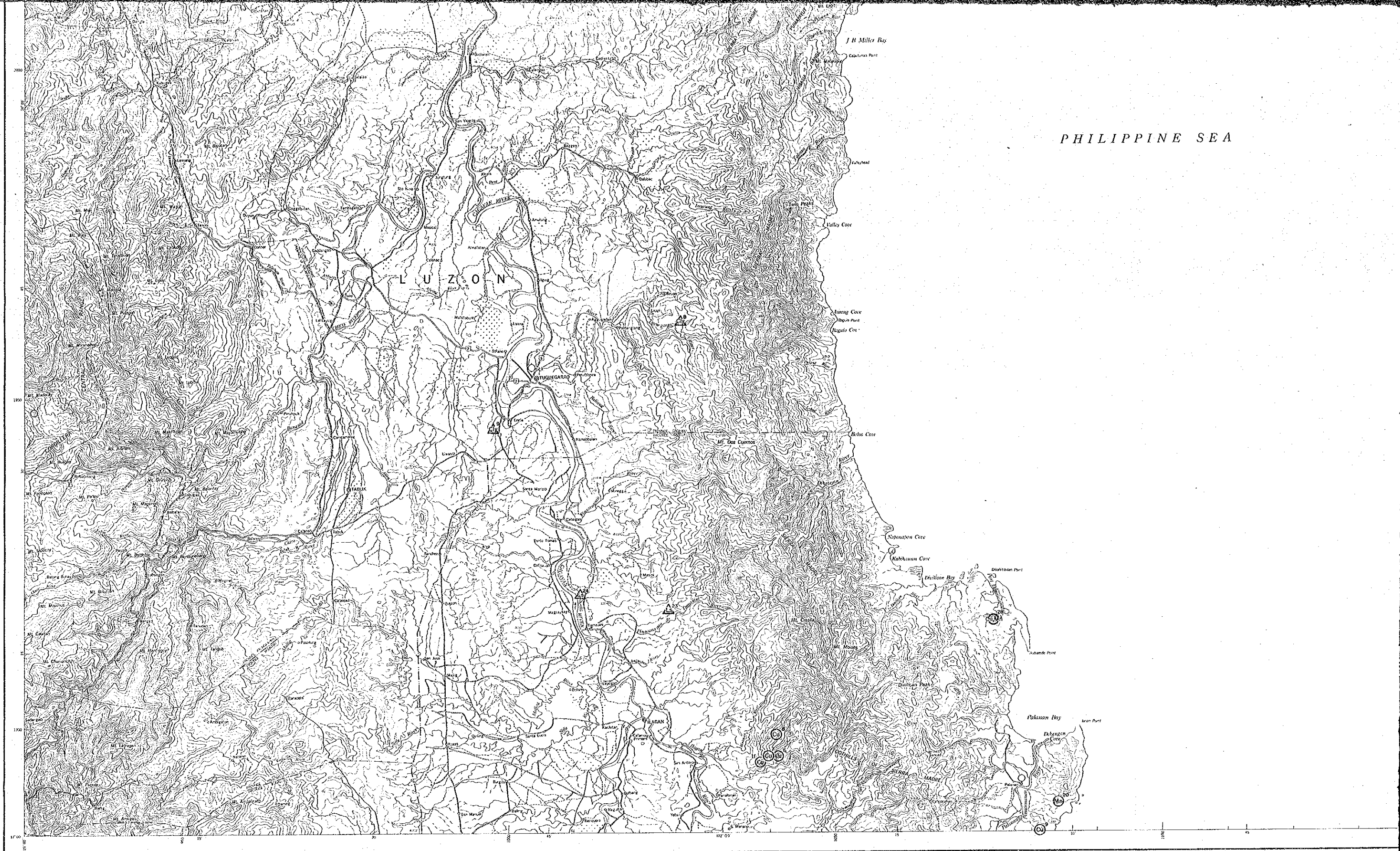


LEGEND

- 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   | Cty : 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              |

PHILIPPINE SEA



**LEGEND**

Manila	Baguio	San Francisco	San Carlos	San Juan	San Pedro	San Pablo	San Mateo	San Rafael	San Antonio	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz
Manila	Baguio	San Francisco	San Carlos	San Juan	San Pedro	San Pablo	San Mateo	San Rafael	San Antonio	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz
Manila	Baguio	San Francisco	San Carlos	San Juan	San Pedro	San Pablo	San Mateo	San Rafael	San Antonio	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz
Manila	Baguio	San Francisco	San Carlos	San Juan	San Pedro	San Pablo	San Mateo	San Rafael	San Antonio	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz
Manila	Baguio	San Francisco	San Carlos	San Juan	San Pedro	San Pablo	San Mateo	San Rafael	San Antonio	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz	San Pedro de Macoris	San Juan de los Rios	San Mateo de Chuabuz



Symbols

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
		Sl	Silica
		Ss	Silica Sand
		SS	Sandstone
		Tic	Talc



19 20 21 22 23 24 25 26 27 28 29 30

150

100

50

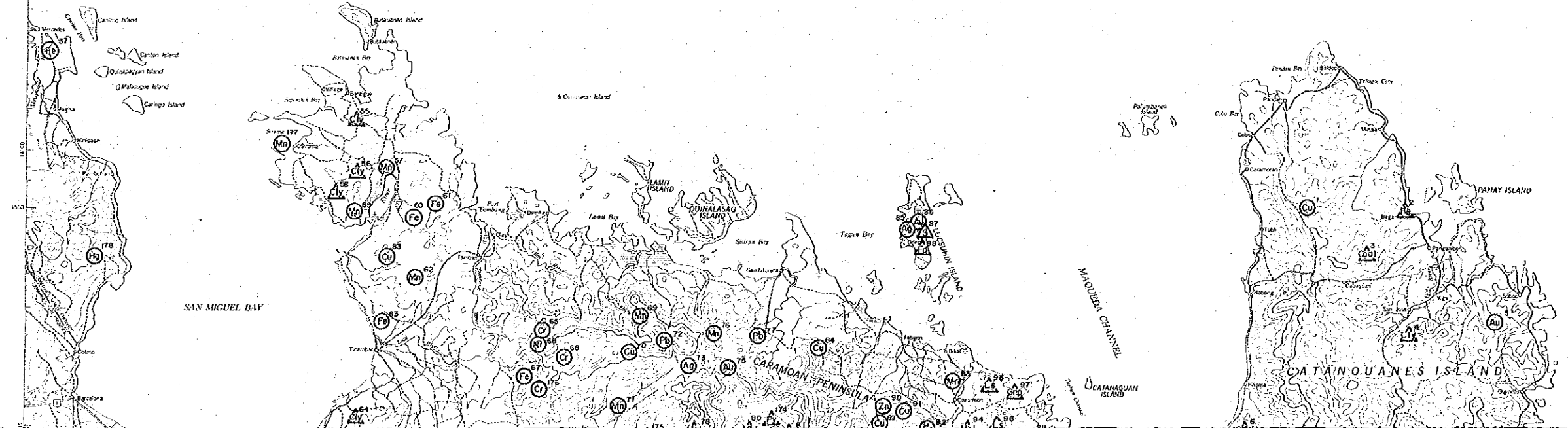
0

50

100

150

200



PHILIPPINE SEA



PHILIPPINE SEA

付図 5 - 4

フィリピン共和国  
鉱物資源基本図調査  
第1年次

国際協力事業団  
15158  
図書資料室

鉱床・鉱徴分布図

昭和60年6月(第1版)  
国際協力事業団  
金属鉱業事業団

Scale 1 : 250,000  
0 10 20 km

LEGEND

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

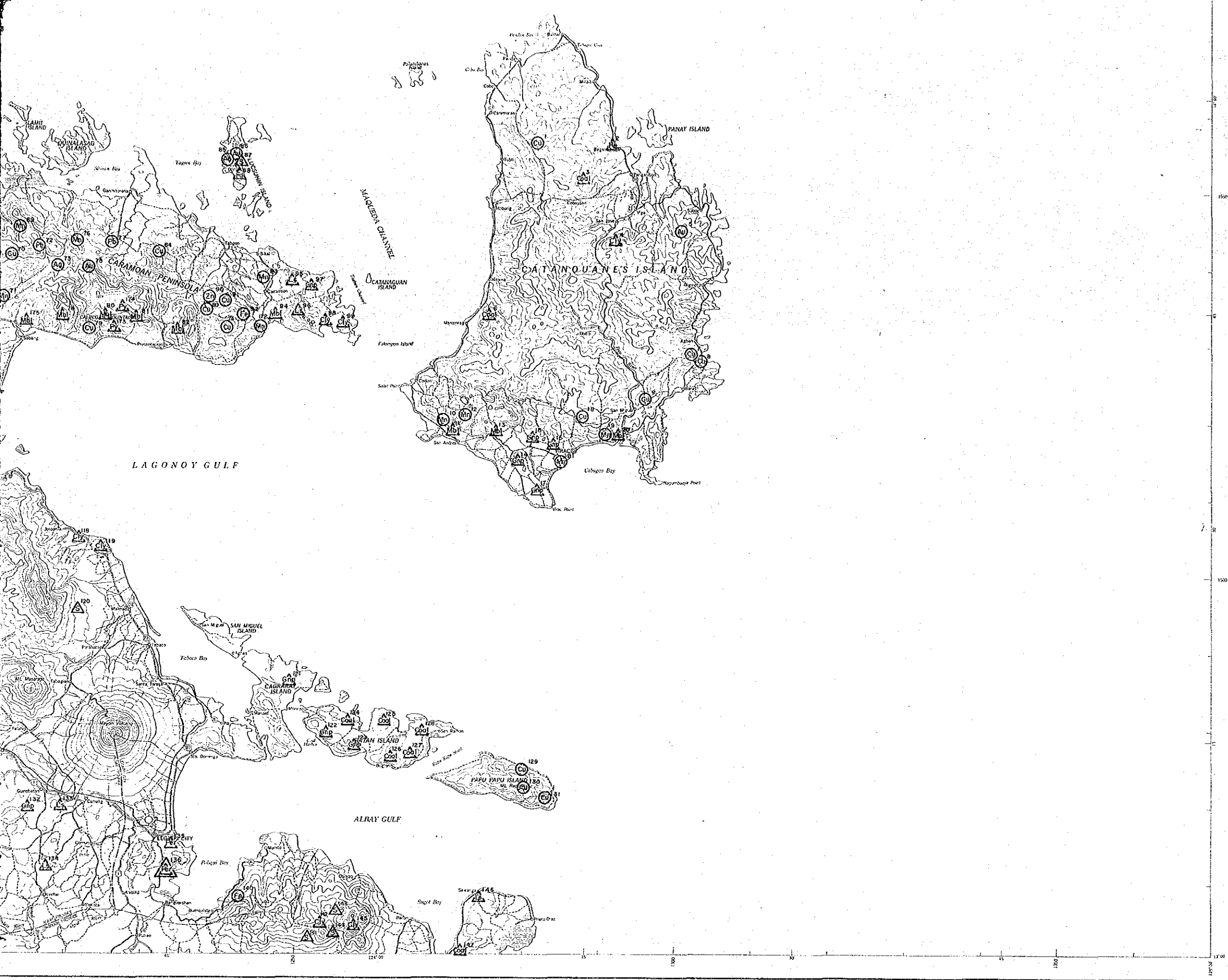
Symbols

metallics		nonmetallics	
Au	: Gold	Asb	: Asbestos
Ag	: Silver	Asp	: Asphalt
Al	: Aluminum	Bar	: Barite
As	: Arsenic	Bnt	: Bentonite
Bax	: Bauxite	Clv	: 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	: Perillite
		Py	: Pyrite
		S	: Sulfur
		Sh	: Shale
		Si	: Silica
		SiS	: Silica Sand



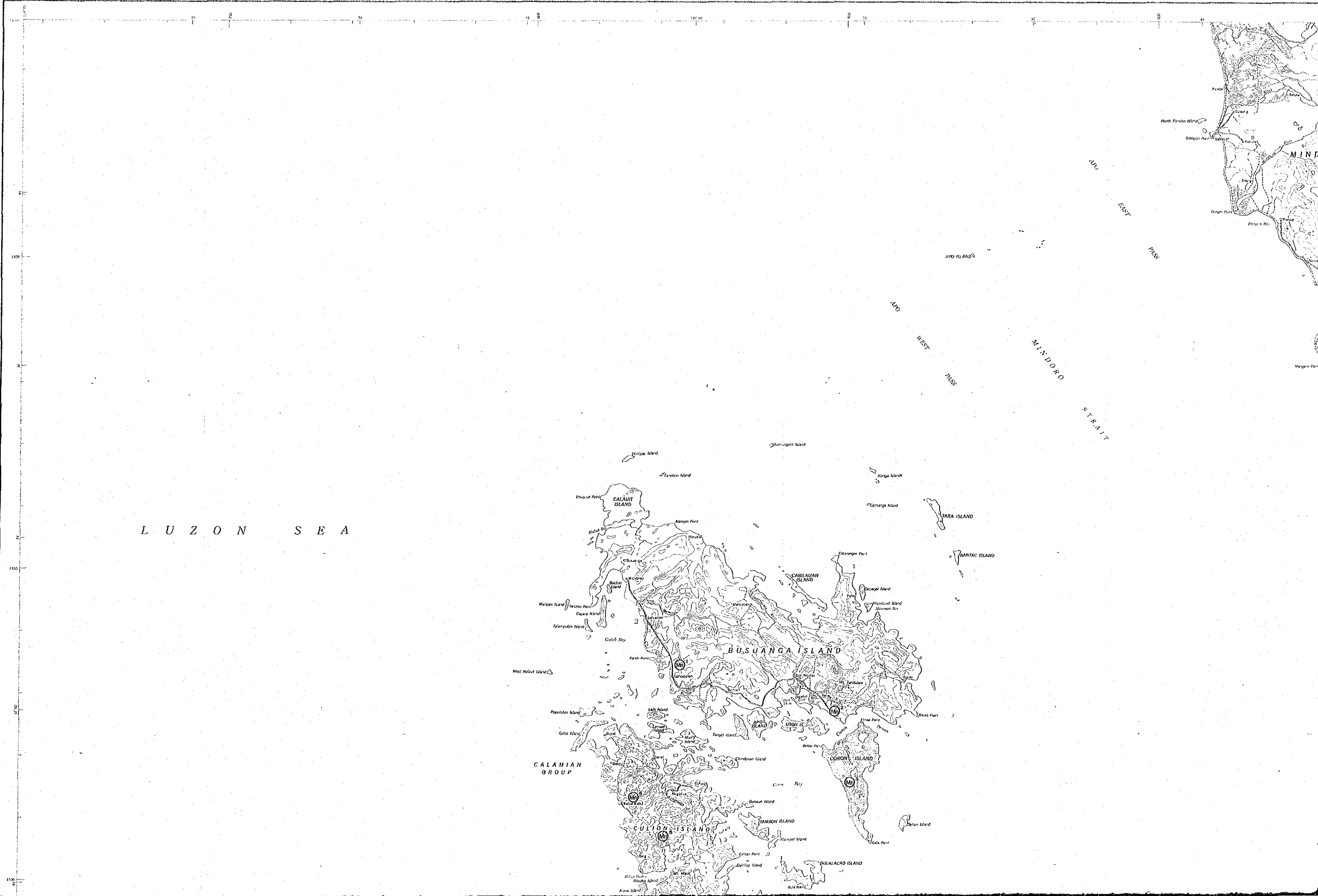
**LEGEND**

- |                                |          |                           |     |
|--------------------------------|----------|---------------------------|-----|
| Coastal city                   | MANILA   | Spot elevation in meters  | 20' |
| City center of province        | BATANGAS | Proposed rail line        | —   |
| Capital of province            | MAILOLOS | Proposed road             | —   |
| Municipality or municipal town | CASAGUAN | Proposed airway           | —   |
| Barangay                       |          | Proposed cable            | —   |
| Normal grid interval 1:50,000  |          | Railway station - station | —   |
| Terrace steps (1:50,000)       |          | Rail - 500 m              | —   |
| International boundary         |          | Rail - 1000 m             | —   |
| Proposed boundary              |          | Rail - 1500 m             | —   |
| City boundary                  |          | Rail - 2000 m             | —   |
| Proposed boundary (1:50,000)   |          | Rail - 2500 m             | —   |
| Rail and road data road        |          | Rail - 3000 m             | —   |
| Rail data road                 |          | Rail - 3500 m             | —   |
| Road data road                 |          | Rail - 4000 m             | —   |
|                                |          | Rail - 4500 m             | —   |
|                                |          | Rail - 5000 m             | —   |
|                                |          | Rail - 5500 m             | —   |
|                                |          | Rail - 6000 m             | —   |
|                                |          | Rail - 6500 m             | —   |
|                                |          | Rail - 7000 m             | —   |
|                                |          | Rail - 7500 m             | —   |
|                                |          | Rail - 8000 m             | —   |
|                                |          | Rail - 8500 m             | —   |
|                                |          | Rail - 9000 m             | —   |
|                                |          | Rail - 9500 m             | —   |
|                                |          | Rail - 10000 m            | —   |



Symbols

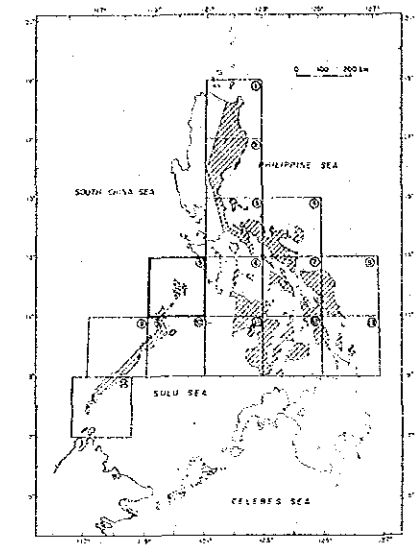
metallics		nonmetallics	
Au	Gold	Asb	Asbestos
Ag	Silver	Asp	Asphalt
Al	Aluminum	Bar	Barite
As	Arsenic	Bnt	Bentonite
Bax	Bauxite	Cl	Clay
Cu	Copper	Coal	Coal
Co	Cobalt	Dia	Dioctahedrous Earth
Cr	Chromite	Dol	Dolomite
Fe	Iron	Fd	Feldspar
Hg	Mercury	Fl	Flourite
Mn	Manganese	Gn	Guano
Mo	Molybdenum	Gnp	Guano-Phosphate
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
		Sl	Silica
		Sis	Silica Sand
		SS	Sandstone
		Tlc	Talc



フィリピン共和国  
鉱物資源基本図調査  
第1年次

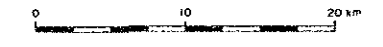
国際協力事業団  
15158  
図書資料室蔵

鉱床・鉱徴分布図



昭和60年6月(第1版)  
国際協力事業団  
金属鉱業事業団

Scale: 1:250,000



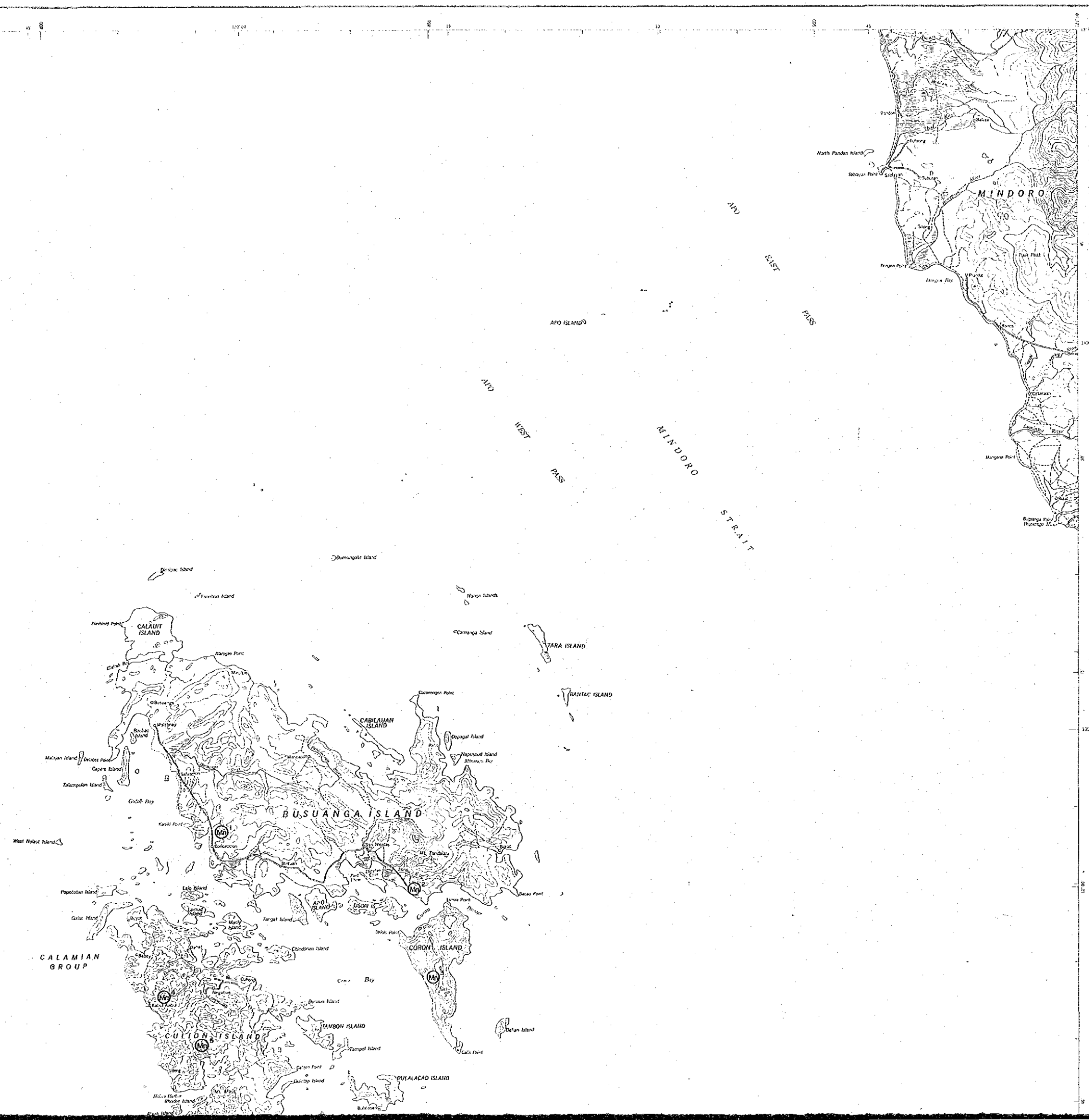
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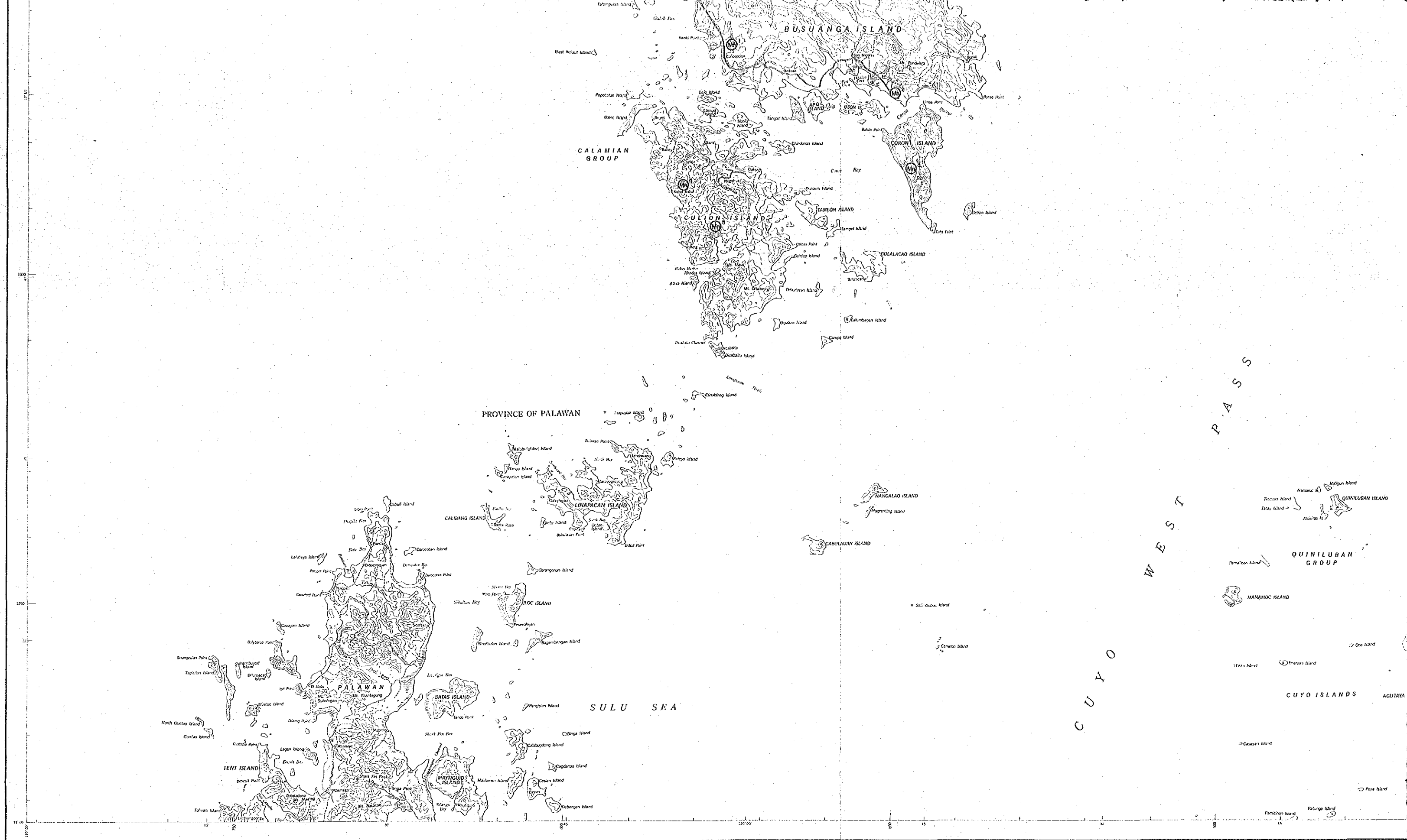
Deposit

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

Symbols

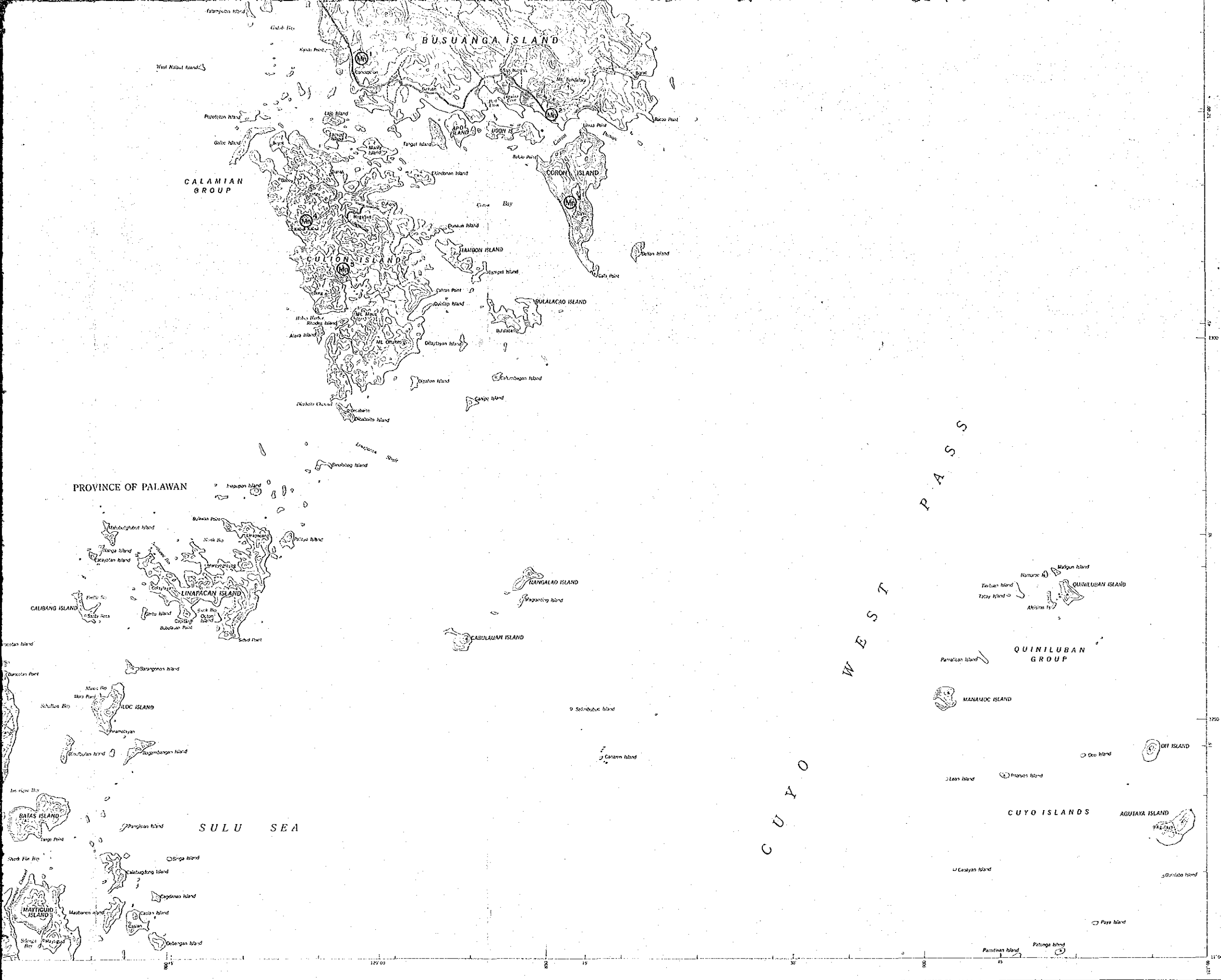
- | metallics |              | nonmetallics |                      |
|-----------|--------------|--------------|----------------------|
| Au        | : Gold       | Asb          | : Asbestos           |
| Ag        | : Silver     | Asp          | : Asphalt            |
| Al        | : Aluminum   | Bar          | : Barite             |
| As        | : Arsenic    | Bnt          | : Bentonite          |
| Box       | : Bauxite    | Cly          | : Clay               |
| Cu        | : Copper     | Coal         | : Coal               |
| Co        | : Cobalt     | Dio          | : 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       | Peal         | : Peat               |
|           |              | Per          | : Perlite            |
|           |              | Py           | : Pyrite             |
|           |              | S            | : Sulfur             |
|           |              | Sh           | : Shale              |
|           |              | Si           | : Silica             |
|           |              | Sil          | : Silica Sand        |





**LEGEND**

Coastal line	MANILA	Sea level in meters	10'
City walls or palace	BATANGAS	Normal canal port	10'
Circle of power	MALIBLOS	Sea level	20'
Boundary of military district	Makati	Sea level	20'
Boundary	Manila	Sea level	20'
Normal (200-10000)	Manila	Sea level	20'
Normal (1000-2000)	Manila	Sea level	20'
Normal (2000-3000)	Manila	Sea level	20'
Normal (3000-4000)	Manila	Sea level	20'
Normal (4000-5000)	Manila	Sea level	20'
Normal (5000-6000)	Manila	Sea level	20'
Normal (6000-7000)	Manila	Sea level	20'
Normal (7000-8000)	Manila	Sea level	20'
Normal (8000-9000)	Manila	Sea level	20'
Normal (9000-10000)	Manila	Sea level	20'
Normal (10000-11000)	Manila	Sea level	20'
Normal (11000-12000)	Manila	Sea level	20'
Normal (12000-13000)	Manila	Sea level	20'
Normal (13000-14000)	Manila	Sea level	20'
Normal (14000-15000)	Manila	Sea level	20'
Normal (15000-16000)	Manila	Sea level	20'
Normal (16000-17000)	Manila	Sea level	20'
Normal (17000-18000)	Manila	Sea level	20'
Normal (18000-19000)	Manila	Sea level	20'
Normal (19000-20000)	Manila	Sea level	20'
Normal (20000-21000)	Manila	Sea level	20'
Normal (21000-22000)	Manila	Sea level	20'
Normal (22000-23000)	Manila	Sea level	20'
Normal (23000-24000)	Manila	Sea level	20'
Normal (24000-25000)	Manila	Sea level	20'
Normal (25000-26000)	Manila	Sea level	20'
Normal (26000-27000)	Manila	Sea level	20'
Normal (27000-28000)	Manila	Sea level	20'
Normal (28000-29000)	Manila	Sea level	20'
Normal (29000-30000)	Manila	Sea level	20'
Normal (30000-31000)	Manila	Sea level	20'
Normal (31000-32000)	Manila	Sea level	20'
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Normal (34000-35000)	Manila	Sea level	20'
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Normal (36000-37000)	Manila	Sea level	20'
Normal (37000-38000)	Manila	Sea level	20'
Normal (38000-39000)	Manila	Sea level	20'
Normal (39000-40000)	Manila	Sea level	20'
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Normal (48000-49000)	Manila	Sea level	20'
Normal (49000-50000)	Manila	Sea level	20'
Normal (50000-51000)	Manila	Sea level	20'
Normal (51000-52000)	Manila	Sea level	20'
Normal (52000-53000)	Manila	Sea level	20'
Normal (53000-54000)	Manila	Sea level	20'
Normal (54000-55000)	Manila	Sea level	20'
Normal (55000-56000)	Manila	Sea level	20'
Normal (56000-57000)	Manila	Sea level	20'
Normal (57000-58000)	Manila	Sea level	20'
Normal (58000-59000)	Manila	Sea level	20'
Normal (59000-60000)	Manila	Sea level	20'
Normal (60000-61000)	Manila	Sea level	20'
Normal (61000-62000)	Manila	Sea level	20'
Normal (62000-63000)	Manila	Sea level	20'
Normal (63000-64000)	Manila	Sea level	20'
Normal (64000-65000)	Manila	Sea level	20'
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Normal (87000-88000)	Manila	Sea level	20'
Normal (88000-89000)	Manila	Sea level	20'
Normal (89000-90000)	Manila	Sea level	20'
Normal (90000-91000)	Manila	Sea level	20'
Normal (91000-92000)	Manila	Sea level	20'
Normal (92000-93000)	Manila	Sea level	20'
Normal (93000-94000)	Manila	Sea level	20'
Normal (94000-95000)	Manila	Sea level	20'
Normal (95000-96000)	Manila	Sea level	20'
Normal (96000-97000)	Manila	Sea level	20'
Normal (97000-98000)	Manila	Sea level	20'
Normal (98000-99000)	Manila	Sea level	20'
Normal (99000-100000)	Manila	Sea level	20'



**Symbols**

metallics		nonmetallics	
Au	Gold	Asb	Asbestos
Ag	Silver	Asp	Asphalt
Al	Aluminum	Bar	Barite
As	Arsenic	Bnt	Bentonite
Bax	Bauxite	Cly	Clay
Co	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
		Tic	Talc





PHILIPPINE SEA

SIBUYAN SEA

NORTHERN SAMAR

SAMAR

SEA

JINTOTO CHANNEL

LUZON

LUZON

MASBATE ISLAND

BURIAS ISLAND

DALUPAGAN ISLAND

ALMAGRO ISLAND

MARIPPI ISLAND

SANTO NIÑO ISLAND

CAMANDAGAN ISLAND

TAGAPULA ISLAND

DESTACADO ISLAND

NARANJO ISLAND

CAPUL ISLAND

BIRI ISLAND

MALABON ISLAND

ABADIGON ISLAND

SAN ANTONIO ISLAND

SAN JUAN ISLAND

BERNABE ISLAND

BERNABE ISLAND

BERNABE ISLAND

BERNABE ISLAND

BERNABE ISLAND

BERNABE ISLAND

BERNABE ISLAND

BERNABE ISLAND

BERNABE ISLAND

TICAO PASS

MASBATE PASS

BURIAS PASS

BERNABE STRAIT

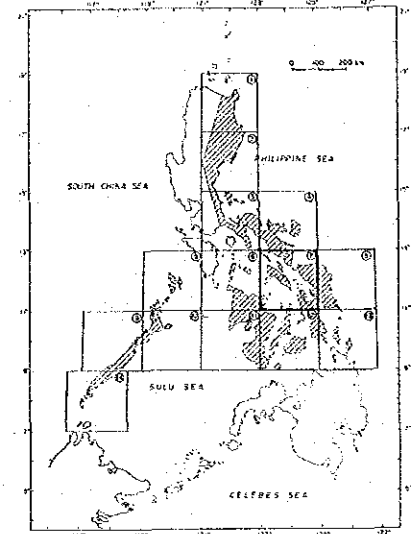
ASID GLUF

SAMAR

SEA

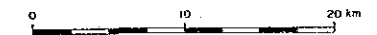
フィリピン共和国  
鉱物資源基本図調査  
第1年次

鉱床・鉱徴分布図



昭和60年6月(第1版)  
国際協力事業団  
金属鉱業事業団

Scale 1:250,000



LEGEND

Deposit

metallic

nonmetallic



Operating mine



Explored, Developed, Prospect or Indication

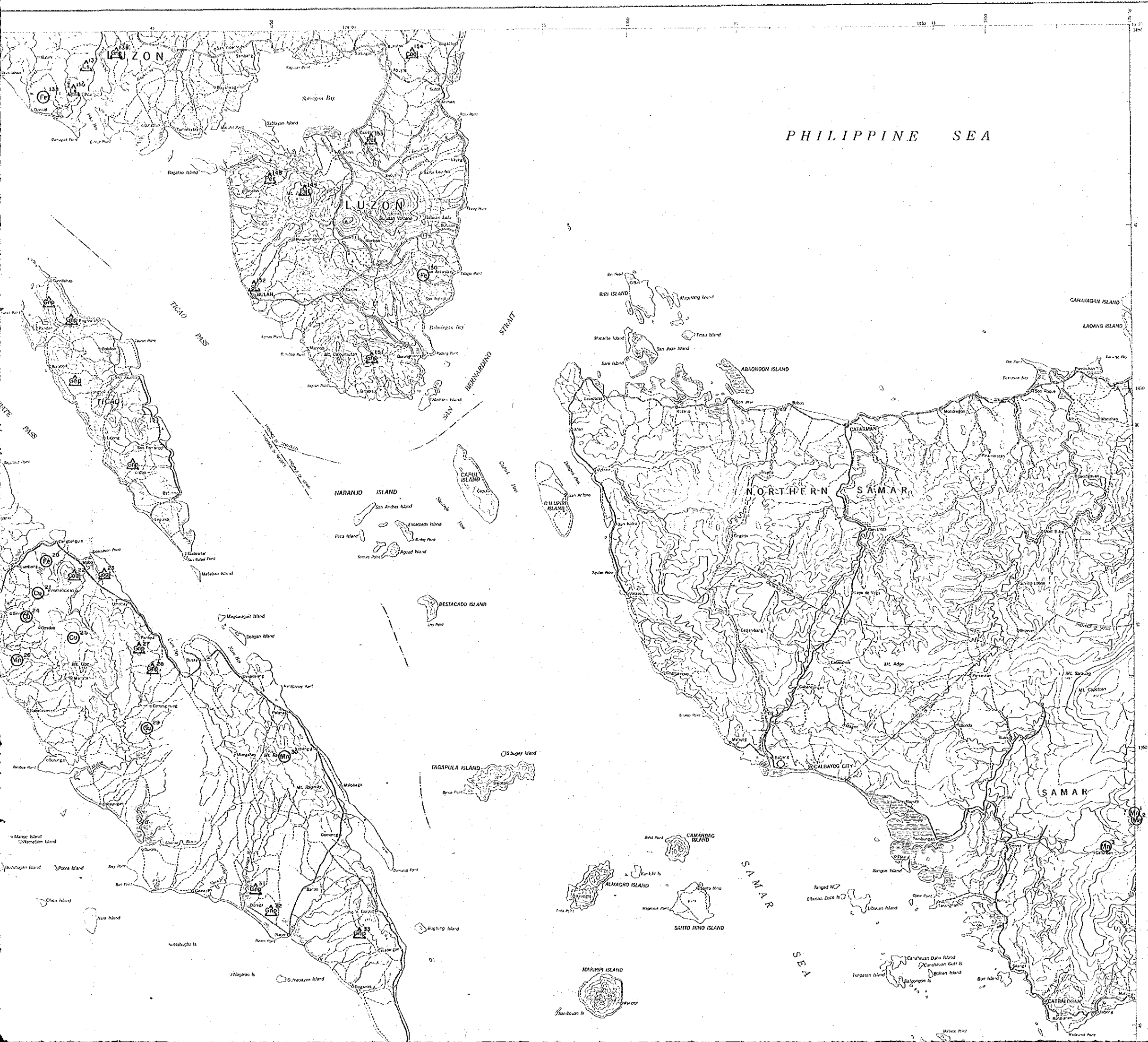
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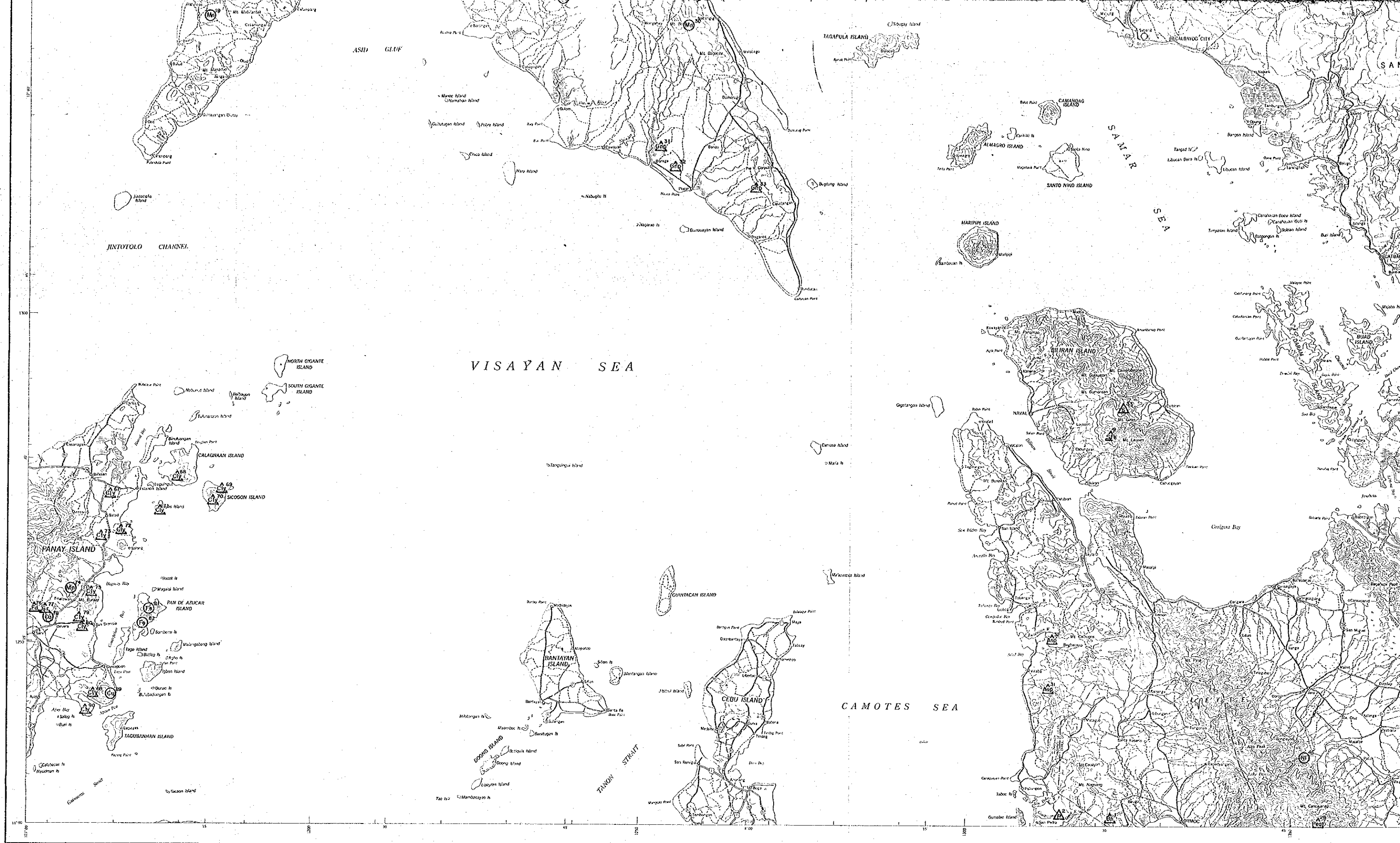
metallics

nonmetallics

- Au : Gold
- Ag : Silver
- Al : Aluminum
- As : Arsenic
- Bax : Bauxite
- Cu : Copper
- Co : Cobalt
- Cr : Chromite
- Fe : Iron
- Hg : Mercury
- Mn : Manganese
- Mo : Molybdenum
- Ni : Nickel
- Pb : Lead
- Sb : Antimony
- Sn : Tin
- U : Uranium
- W : Tungsten
- Zn : Zinc

- Asb : Asbestos
- Asp : Asphalt
- Bar : Barite
- Bnt : Bentonite
- Cty : Clay
- Coal : Coal
- Dia : Diatomaceous Earth
- Dol : Dolomite
- Fd : Feldspar
- Fl : Fluorite
- Gn : Guano
- Gnp : Guano-Phosphate
- Gr : Granite
- Gyp : Gypsum
- Ls : Limestone
- Mbl : Marble
- P : Phosphate
- Peb : Pebble
- Peat : Peat
- Per : Perlite
- Py : Pyrite
- S : Sulfur
- Sh : Shale
- Si : Silica
- SIS : Silica Sand
- SS : Sandstone





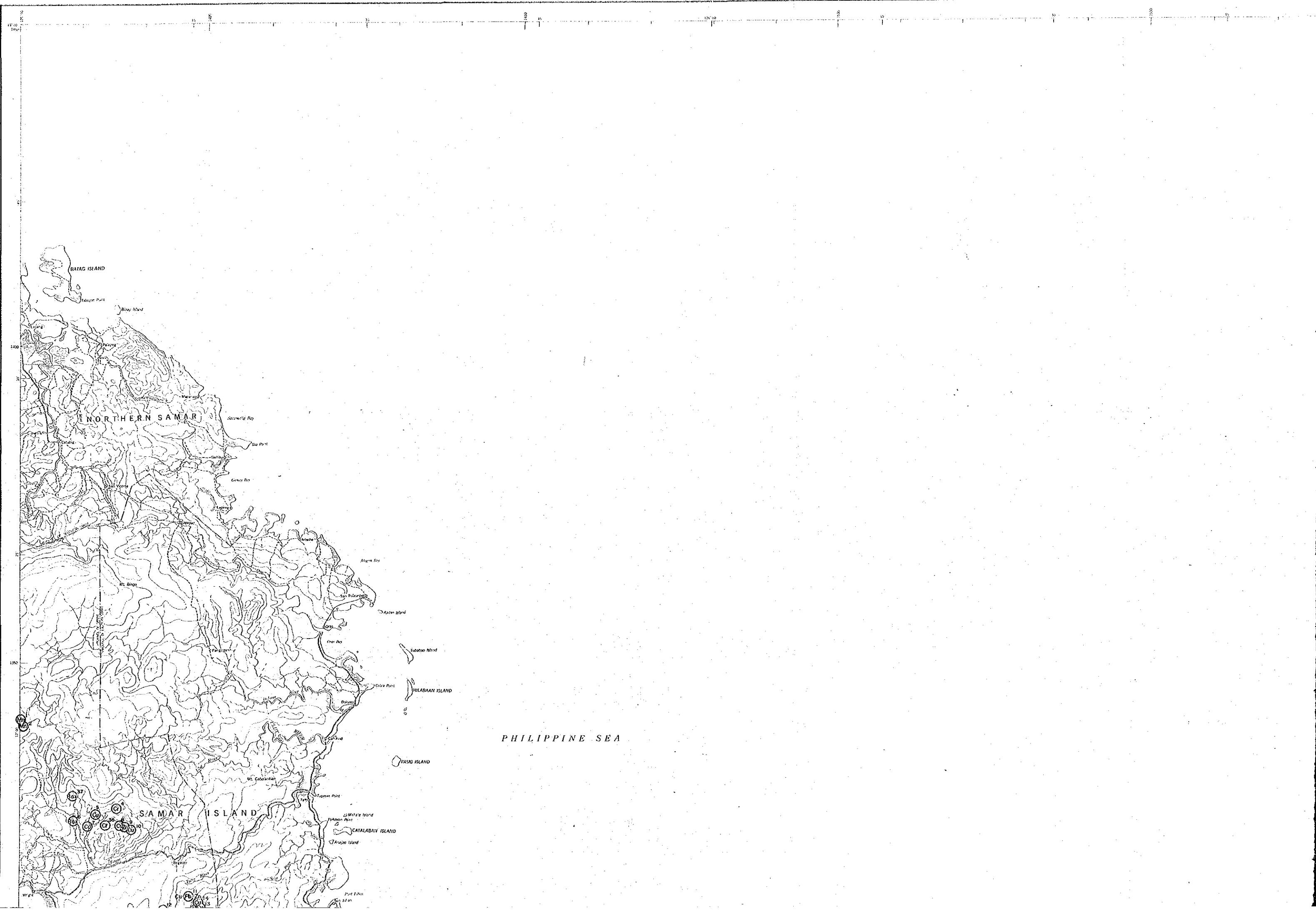
**LEGEND**

Coastline	●	MASILA	1000 meters	—
City (with di. symbol)	⊙	BATAVIA	5000 meters	—
Center of gravity	⊙	MALOLO	1000 meters	—
Market or market place	○	Makab	1000 meters	—
Barangay	○	Calagan	1000 meters	—
Natural pass (1:100000)	—			—
Natural pass (1:50000)	—			—
Vertical boundary	—			—
Political boundary	—			—
City boundary	—			—
Provincial boundary (1:500000)	—			—
Provincial boundary (1:100000)	—			—
Provincial boundary (1:50000)	—			—
Rail line	—			—
Road line	—			—



Symbols

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	Peal	Péat
		Per	Perlite
		Py	Pyrite
		S	Sulfur
		Sh	Shale
		Sl	Silice
		SlS	Silica Sand
		SS	Sandstone
		Tlc	Talc

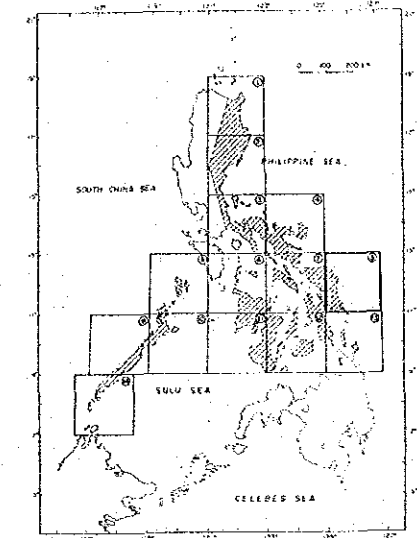


# フィリピン共和国 鉱物資源基本図調査

第1年次

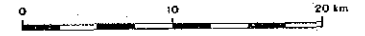
国際協力事業団  
1958  
図書資料室蔵書

## 鉱床・鉱徴分布図



昭和60年6月(第1版)  
国際協力事業団  
金属鉱業事業団

Scale 1:250,000



### LEGEND

#### Deposit

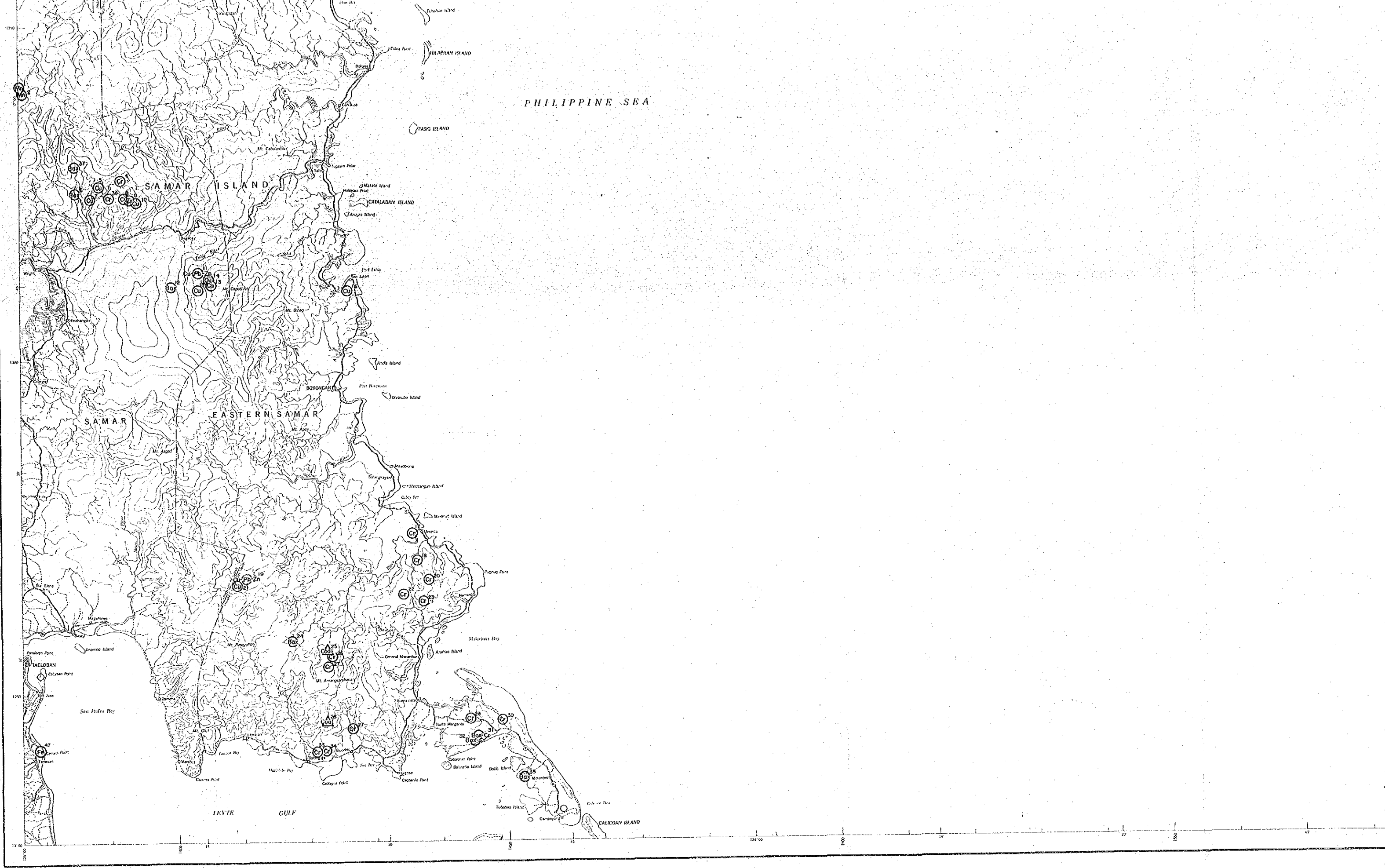
- |          |             |   |
|----------|-------------|---|
| metallic | nonmetallic |   |
| ⊙        | △           | Operating mine                              |
| ○        | △           | Explored, Developed, Prospect or Indication |

#### Symbols

- | metallics |            | nonmetallics |                    |
|-----------|------------|--------------|--------------------|
| Au        | Gold       | Asb          | Asbestos           |
| Ag        | Silver     | Asp          | Asphalt            |
| Al        | Aluminum   | Bar          | Barite             |
| As        | Arsenic    | Bnt          | Bentonite          |
| Bax       | Bauxite    | 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             |

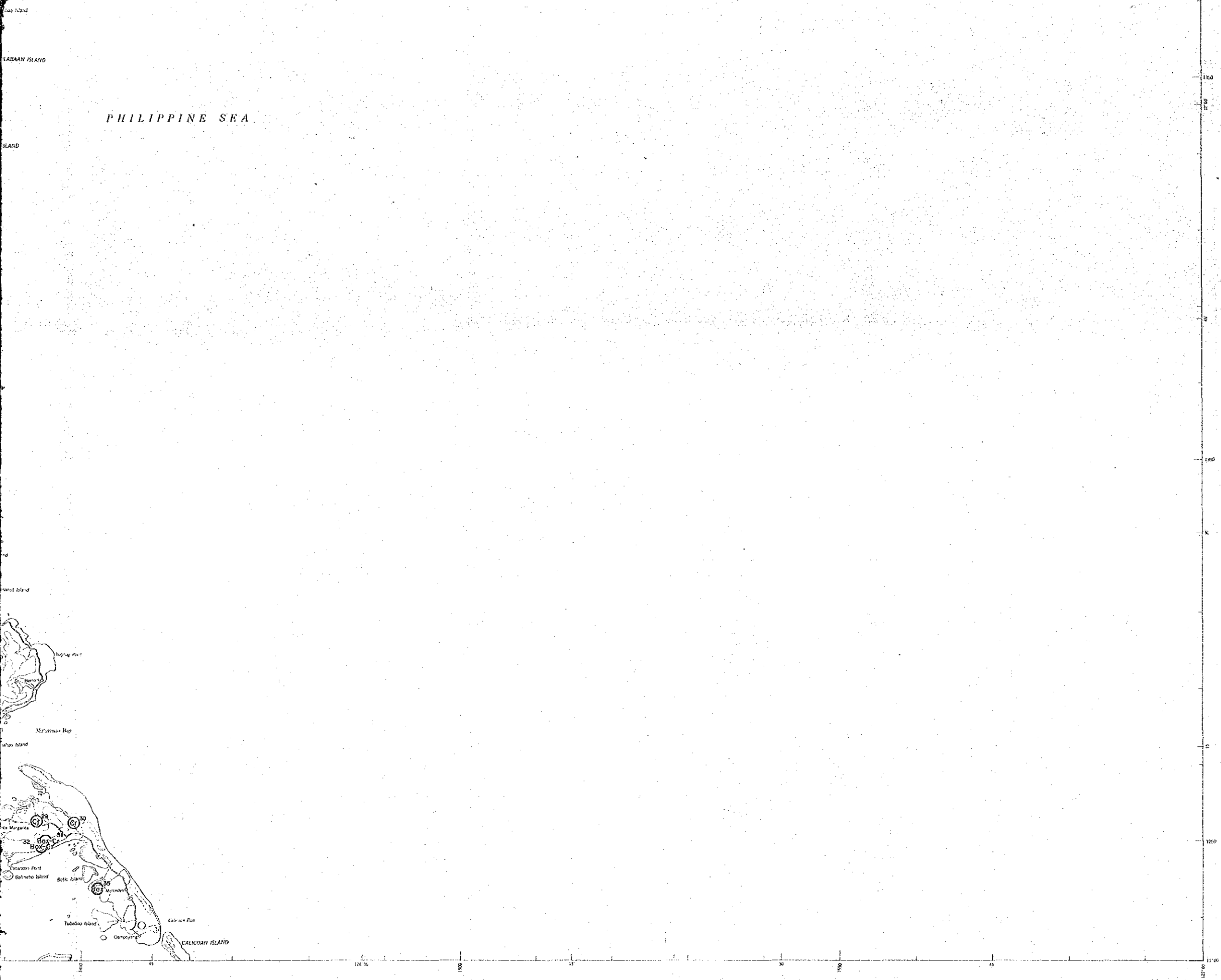
PHILIPPINE SEA

TUBAU ISLAND  
MILABAN ISLAND  
PASIG ISLAND



**LEGEND**

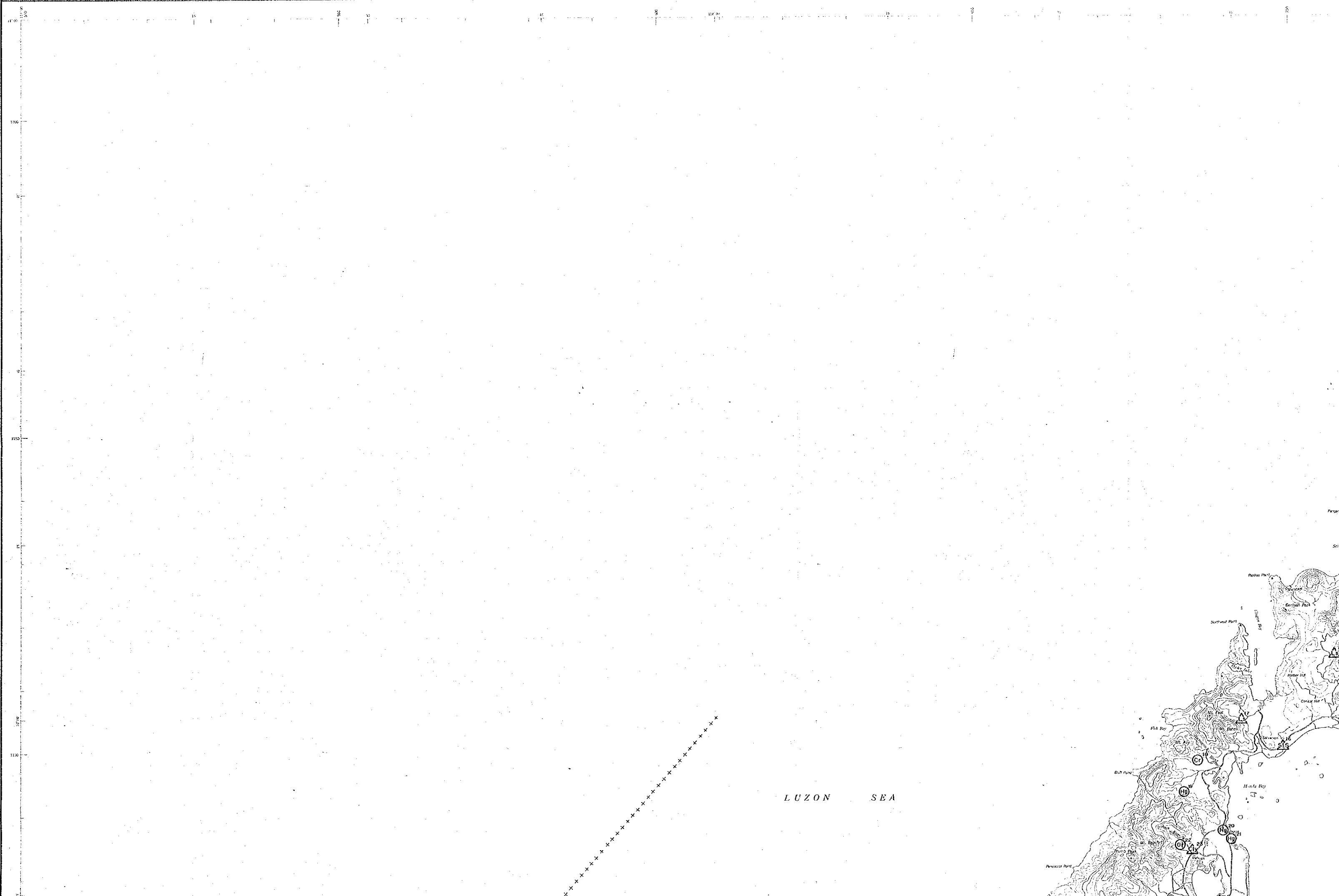
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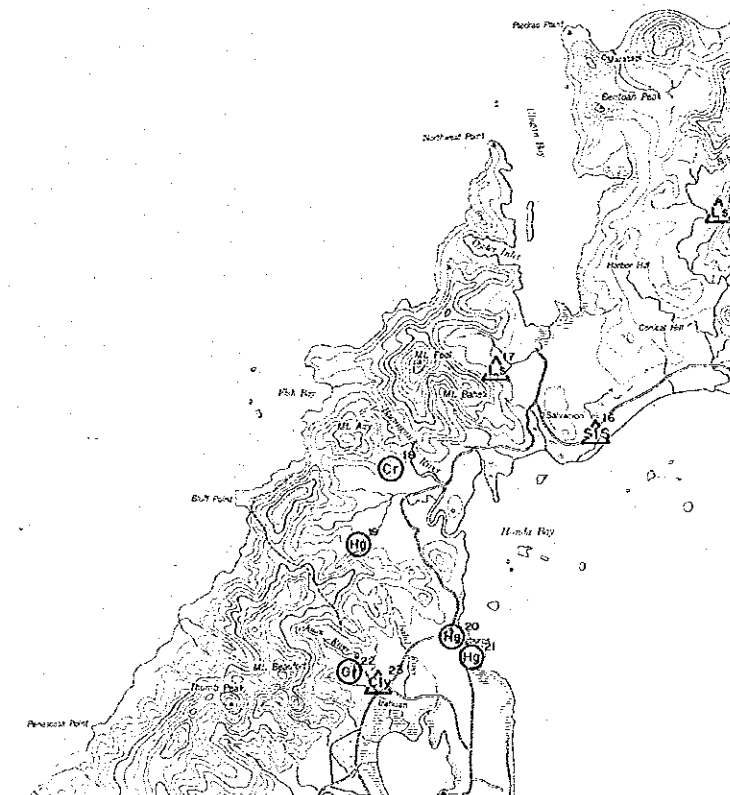
Symbols

metallics		nonmetallics	
Au	Gold	Asb	Asbestos
Ag	Silver	Asp	Asphalt
Al	Aluminum	Bar	Barite
As	Arsenic	Bnt	Bentonite
Bax	Bauxite	Ciy	Clay
Cu	Copper	Coal	Coal
Co	Cobalt	Dio	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	Peol	Peal
		Per	Perlite
		Py	Pyrite
		S	Sulfur
		Sh	Shale
		Sl	Silica
		SlS	Silica Sand
		SS	Sandstone
		Tlc	Talc



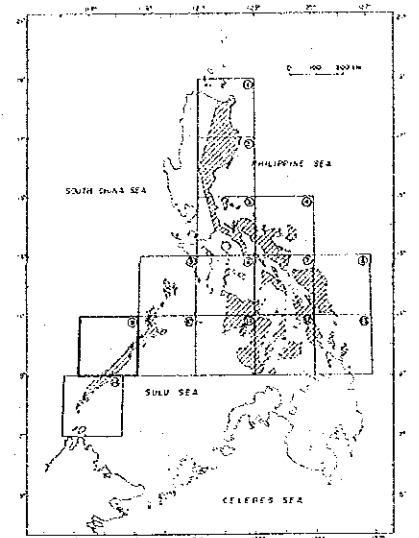


LUZON SEA



フィリピン共和国  
 鉱物資源基本図調査  
 第1年次  
 鉱床・鉱徴分布図

15158



昭和60年6月(第1版)  
 国際協力事業団  
 金属鉱業事業団

Scale 1 : 250,000  
 0 10 20 km

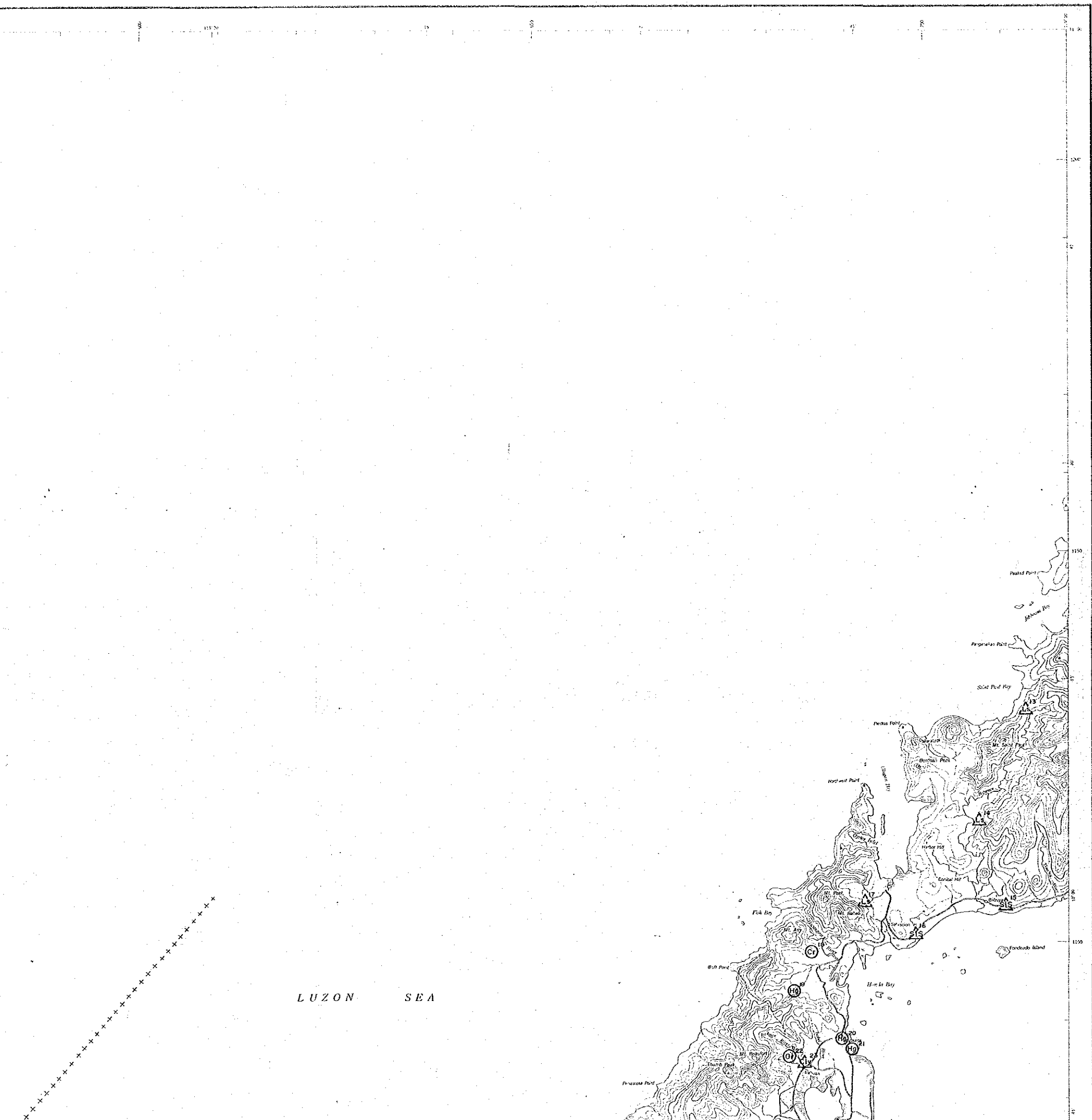
LEGEND

Deposit

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

Symbols

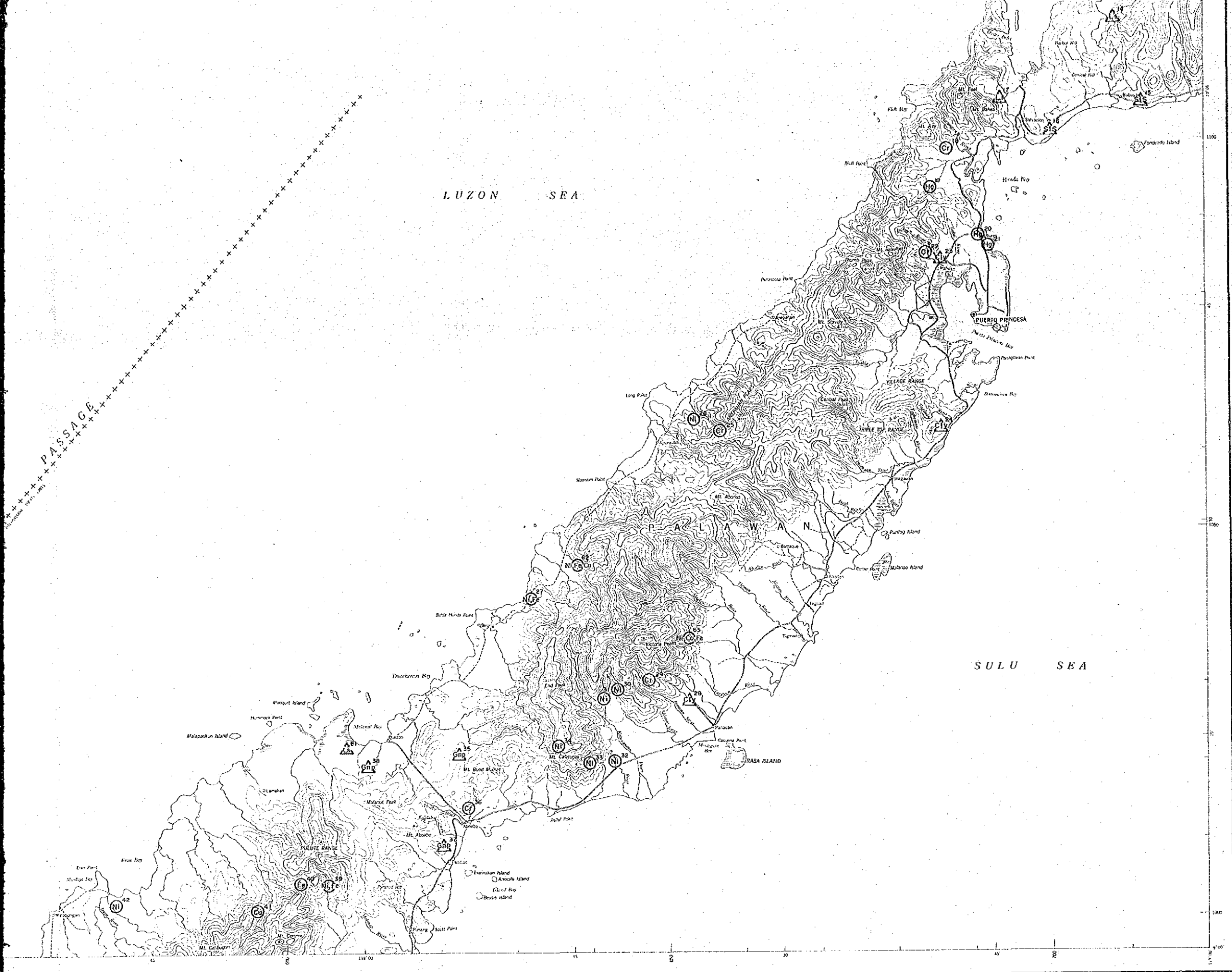
- | metallics       | nonmetallics             |
|-----------------|--------------------------|
| Au : Gold       | Asb : Asbestos           |
| Ag : Silver     | Asp : Asphalt            |
| Al : Aluminum   | Bar : Barite             |
| As : Arsenic    | Bnt : Bentonite          |
| Box : Bauxite   | Cly : Clay               |
| Cu : Copper     | Coal : Coal              |
| Co : Cobalt     | Die : 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              |





**LEGEND**

Capital city	● MANILA	Sea depth in meters	100
City center of province	⊙ BATAVIA	Shipping canal cut	—
Capital of province	⊙ VISAYANOS	Sea wall	—
Manila city or major port	○ Manila	Sea wall	—
Province	○ Province	Sea wall	—
Normal depth in meters	—	Sea wall	—
Water depth in meters	—	Sea wall	—
Threatened boundary	+++++	Sea wall	—
City boundary	—	Sea wall	—
Threatened boundary, subject to military survey, etc.	—	Sea wall	—
Sea and inland water	—	Sea wall	—
Threatened boundary	—	Sea wall	—
Railroad construction	—	Sea wall	—



metallics		nonmetallics	
Au	Gold	Asb	Asbestos
Ag	Silver	Asp	Asphalt
Al	Aluminum	Bar	Barite
As	Arsenic	Bnt	Bentonite
Bax	Bauxite	Cly	Clay
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Hg	Mercury	Fl	Flourite
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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
		SIS	Silica Sand
		SS	Sandstone
		Tlc	Talc