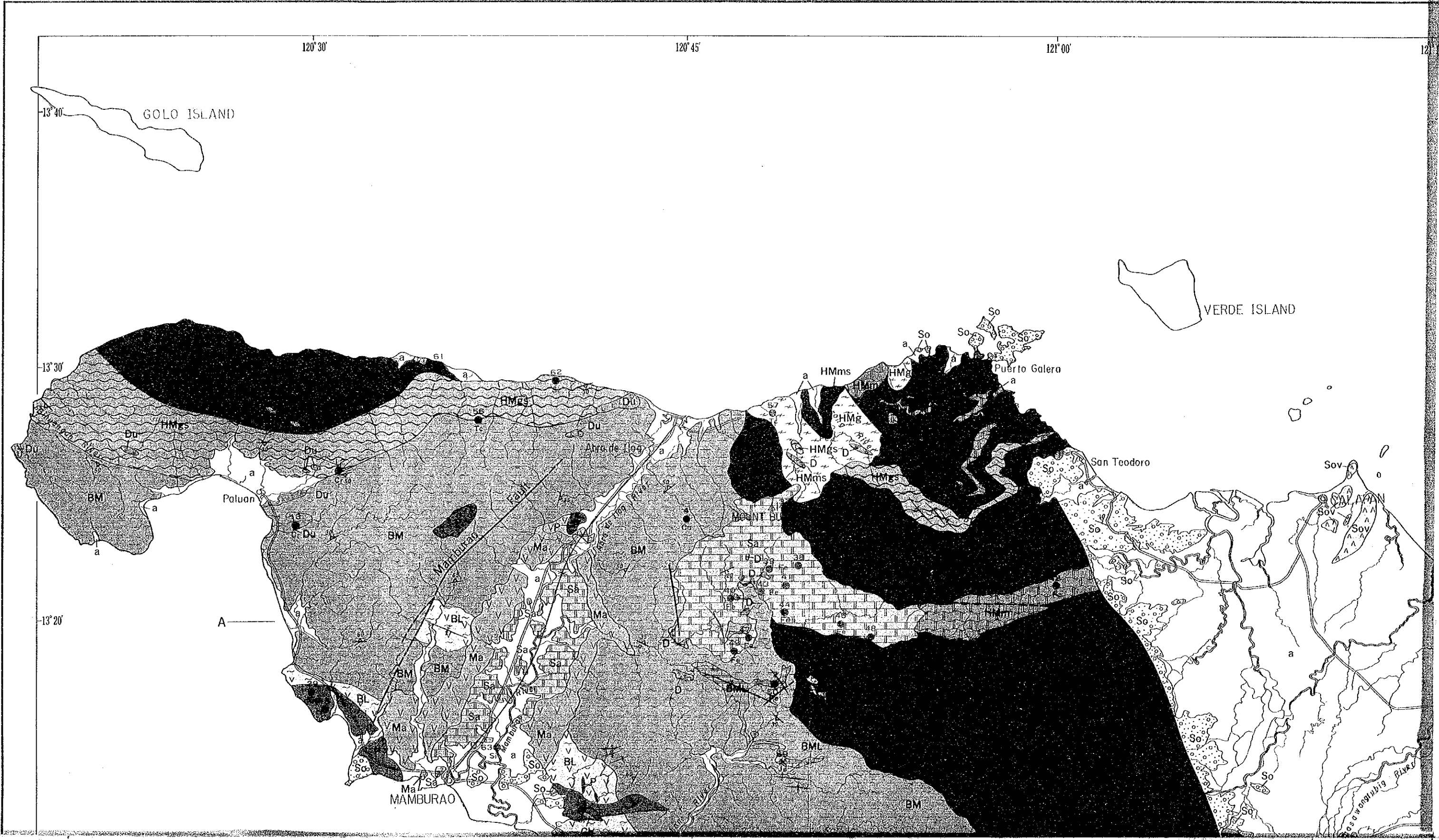
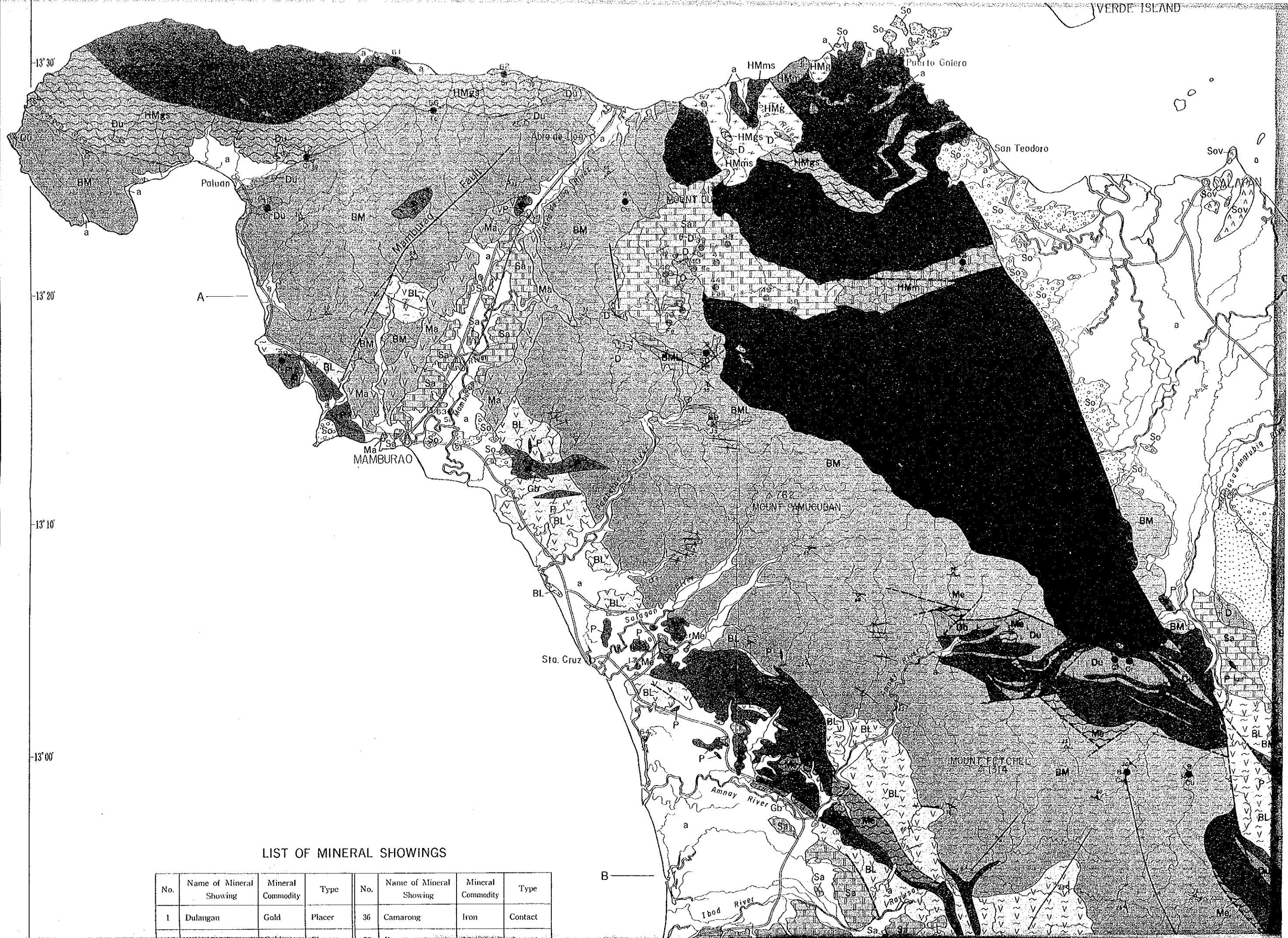


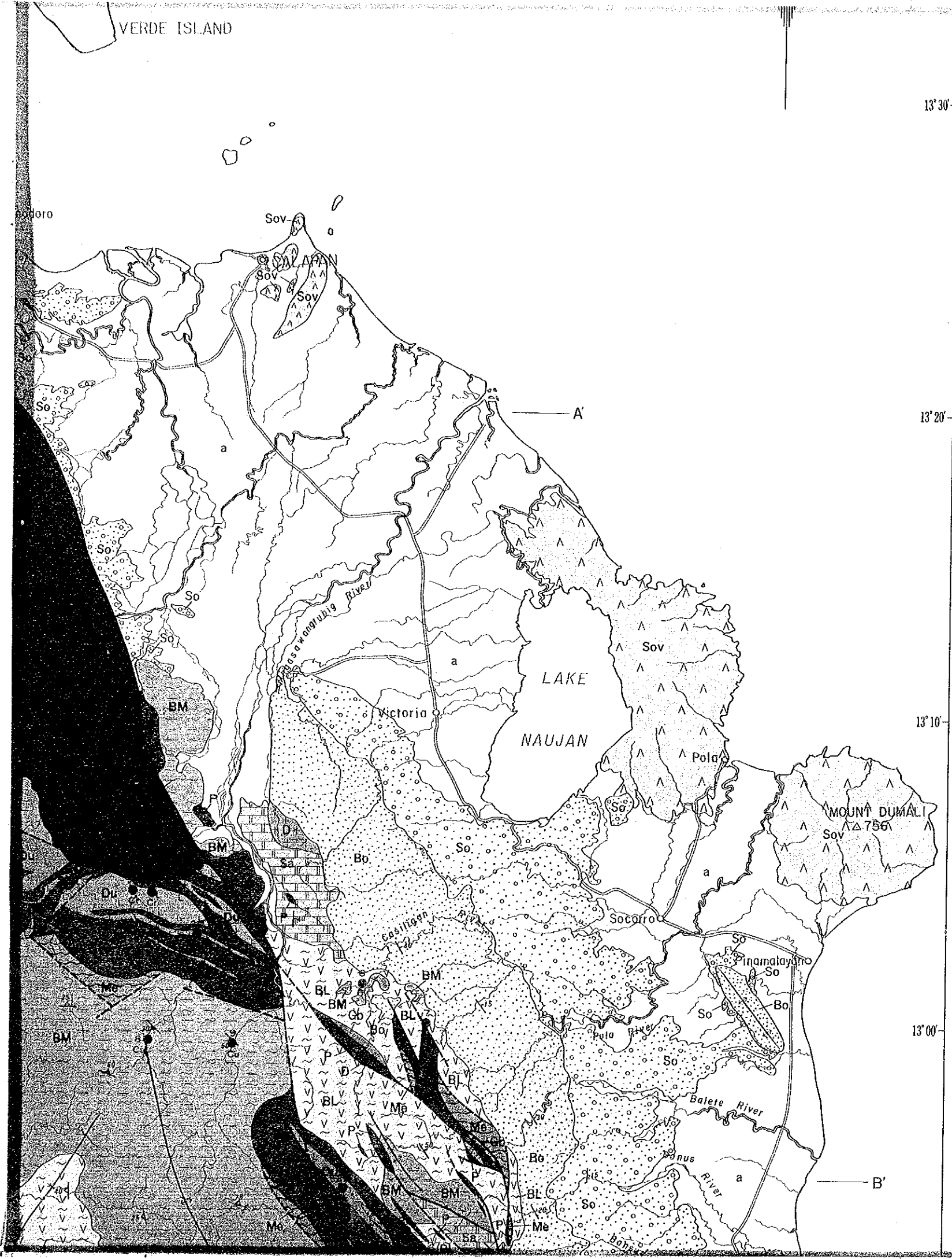
GEOLOGICAL AND MINERAL INVENTORY MA



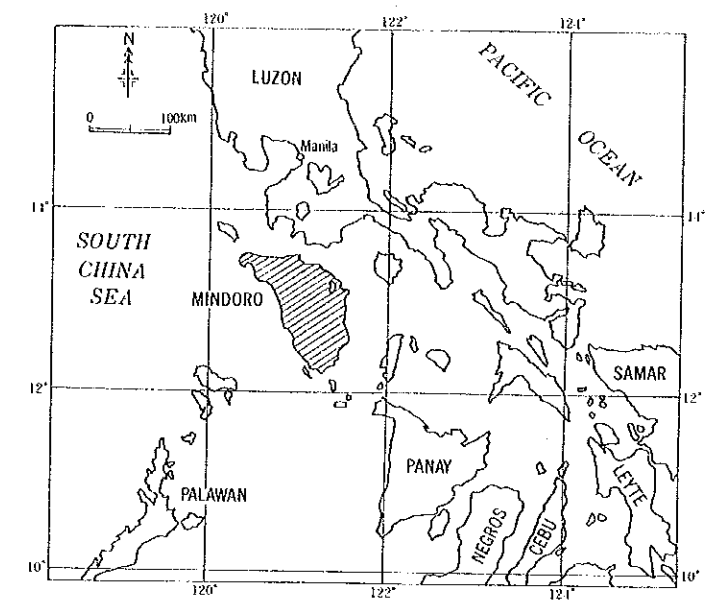


LIST OF MINERAL SHOWINGS

No.	Name of Mineral Showing	Mineral Commodity	Type	No.	Name of Mineral Showing	Mineral Commodity	Type
1	Dulangan	Gold	Placer	36	Camarong	Iron	Contact



LOCATION INDEX



June 1984

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

LEGEND

Quaternary

- | | | |
|-------------------|--|--|
| Alluvial deposits | | silt, sand and gravel |
| | | terrace deposits (sand, gravel),
tuffaceous silt and andesitic tuff |
| Socorro Group | | limestone |
| | | andesite and basalt |

Sta. Cruz

13° 00'

12° 50'

12° 40'

12° 30'

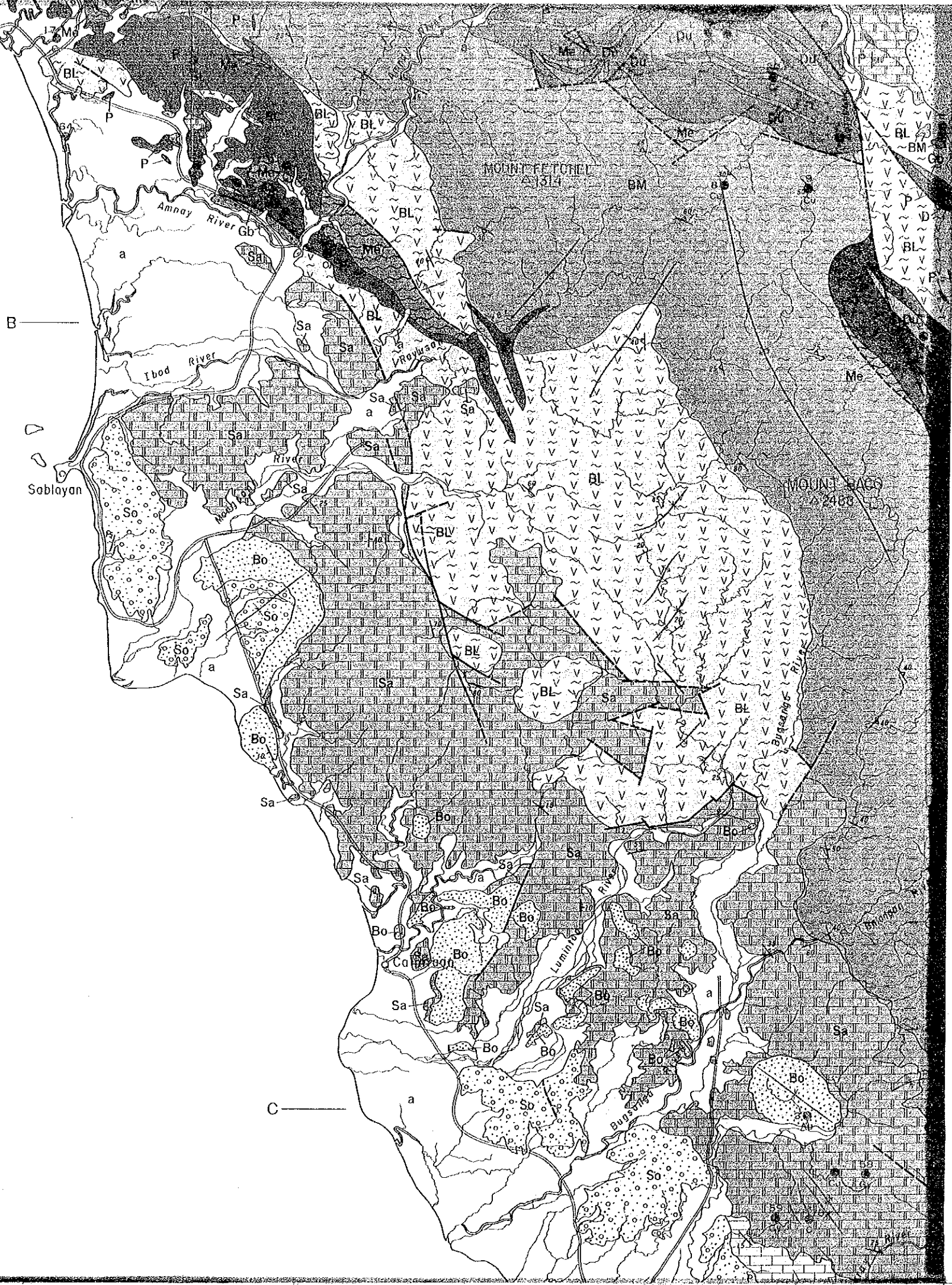
LIST OF MINERAL SHOWINGS

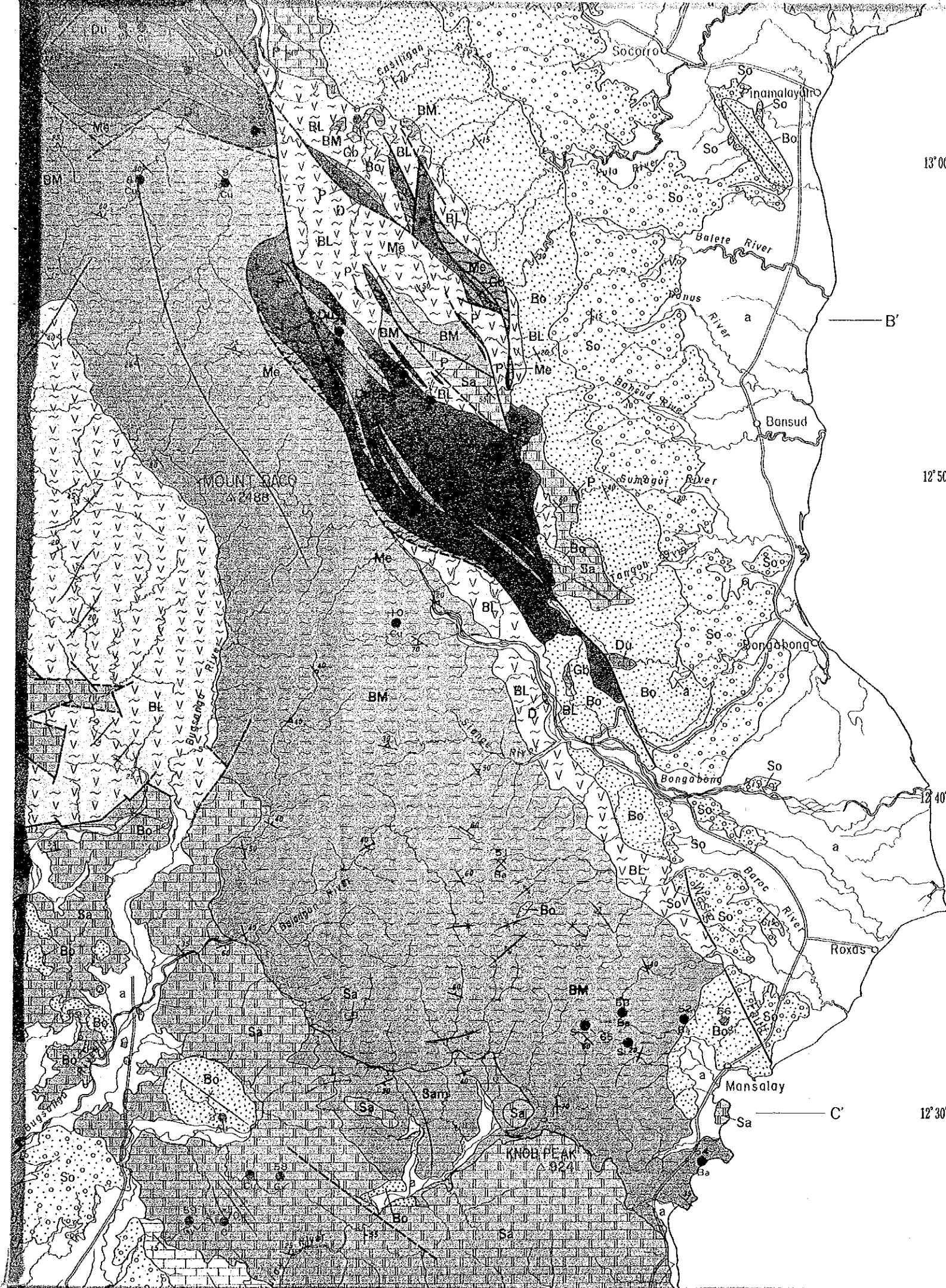
No.	Name of Mineral Showing	Mineral Commodity	Type	No.	Name of Mineral Showing	Mineral Commodity	Type
1	Dulangan	Gold	Placer	36	Camarong	Iron	Contact
2	Binaybay	Gold	Placer	37	Barayao	Iron	Contact
3	San Jose	Gold	Placer	38	Little Baguio	Iron	Contact
4	Balao	Copper	Vein	39	Nagsabongan	Iron	Contact
5	San Andres	Copper	Vein	40	Lasala	Iron	Contact
6(a)	Mindoro Consol Mining Corp. (Mason dep.)	Copper	Vein	41	Tiraca	Iron	Contact
6(b)	do. (Manamburao dep.)	Copper	Vein	42	Binaybay	Iron	Contact
6(c)	do. (Shawood dep.)	Copper	Vein	43	Akak	Iron	Contact
7	Zion Expl. Corp. (Bambanon dep.)	Copper	Vein	44	Aglombogan	Iron	Contact
8	Buraboy	Copper	Vein	45	Tibano	Iron	Contact
9	Aglubang	Copper	Bedded?	46	Bulos	Iron	Contact
10	Acliang & Pajo	Copper	Vein	47	Cobanga-on	Iron	Contact
11	Amico Copper Co.	Copper	Vein	48	Lagnas	Iron	Vein, Dissemination
12	Mariri	Chromite	Ortho-magmatic	49	Lapa-ao	Iron	Contact
13	Mariil	Chromite	Ortho-magmatic	50	Dayap	Iron	Contact
14	San Vicente	Chromite	Ortho-magmatic	51	Taoga (Filhispano Inc.)	Barite	Vein
15	Igsoso	Chromite	Ortho-magmatic	52	Wigan	Barite	Vein
16	Liwliw	Chromite	Ortho-magmatic	53	Mansalay Mining Corp.	Barite	Vein
17	Barabon	Chromite	Ortho-magmatic	54	Mansiol Point	Barite	Vein
18	Ogos No.1	Chromite	Ortho-magmatic	55	Ligwayan	Feldsper	Dike sill
19	Ogos No.2	Chromite	Ortho-magmatic	56	Wawa	Talc	Lens
20	Ogos No.3	Chromite	Ortho-magmatic	57	Metropolitan Mining Corp.	Talc	?
21	Ogos No.4	Chromite	Ortho-magmatic	58	Amico Copper Co.	Gypsum	Vein
22	Pintin west	Chromite	Ortho-magmatic	59	Alitaytayan	Gypsum	Vein
23	Pintin central	Chromite	Ortho-magmatic	60	Polola	Gypsum	Vein
24	Pintin east	Chromite	Ortho-magmatic	61	Mananao	Gravita, (construction material)	Beach sand
25	Masbo	Chromite	Ortho-magmatic	62	Maria Cristina Chemical Industries	Silica	Beach sand
26	Banga No.1	Chromite	Ortho-magmatic	63	Mamburao	Silica	Beach sand

B

Sablayan

C

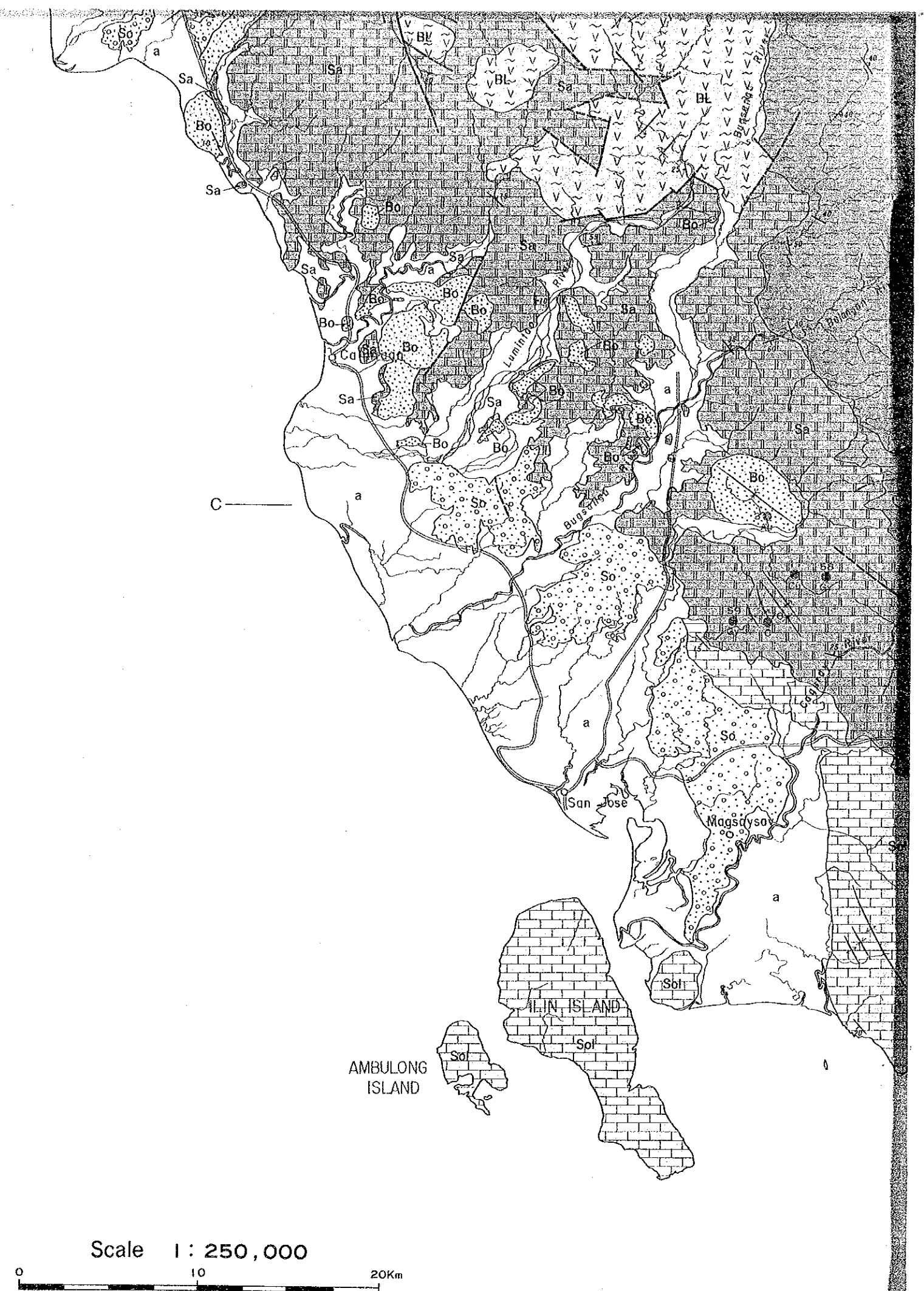




LEGEND

Quaternary	Alluvial deposits	a	silt, sand and gravel	
		So	terrace deposits (sand, gravel), tuffaceous silt and andesitic tuff	
Tertiary	Socorro Group	Sol	limestone	
		SoV	andesite and basalt	
	Bongabong Group	Bo	conglomerate, calcareous sandstone, calcareous siltstone to mudstone, with andesitic tuff	
Tertiary	Sablayan Group	Sa	limestone, calcareous sandstone, calcareous mudstone with andesite and andesitic tuff	
		Sam	calcareous mudstone with limestone	
Tertiary	Mamburao Group	Ma	basalt	
Jurassic	Baco Group	Lumintao Formation	v-v-v-v v-BL-v-v v-v-v-v	basalt with basaltic tuff, sandstone, shale, slate to phyllite, green slate
		Mansalay Formation	BML	limestone
			BM	shale, sandstone, slate to phyllite, phyllitic sandstone with basalt and basaltic tuff
Pre-Jurassic to Jurassic	Halcon metamorphics			mica schist with green schist
			HMgs	green schist with mica schist
			HMp	marble
			HMg	gneiss
				metagabbro
Intrusive Rocks				
Ultramafic complex			peridotite	
		Du	dunite	
			gabbro	

7	Zion Expl. Corp. (Bambanon dep)	Copper	Vein	44	Aglombogan	Iron	Contact
8	Buraboy	Copper	Vein	45	Tibano	Iron	Contact
9	Aglubang	Copper	Bedded?	46	Bulos	Iron	Contact
10	Achiang & Pajo	Copper	Vein	47	Cobanga-on	Iron	Contact
11	Amico Copper Co.	Copper	Vein	48	Lagnas	Iron	Vein Dissemination
12	Mariri	Chromite	Ortho-magmatic	49	Lapa-ao	Iron	Contact
13	Mariil	Chromite	Ortho-magmatic	50	Dayap	Iron	Contact
14	San Vicente	Chromite	Ortho-magmatic	51	Taoga (Filhispano Inc.)	Barite	Vein
15	Igsoso	Chromite	Ortho-magmatic	52	Wigan	Barite	Vein
16	Liwtiw	Chromite	Ortho-magmatic	53	Mansalay Mining Corp.	Barite	Vein
17	Barabon	Chromite	Ortho-magmatic	54	Mansiol Point	Barite	Vein
18	Ogos No.1	Chromite	Ortho-magmatic	55	Ligwayan	Feldsper	Dike sill
19	Ogos No.2	Chromite	Ortho-magmatic	56	Wawa	Talc	Lens
20	Ogos No.3	Chromite	Ortho-magmatic	57	Metropolitan Mining Corp.	Talc	?
21	Ogos No.4	Chromite	Ortho-magmatic	58	Amico Copper Co.	Gypsum	Vein
22	Pintin west	Chromite	Ortho-magmatic	59	Alitaytayan	Gypsum	Vein
23	Pintin central	Chromite	Ortho-magmatic	60	Polola	Gypsum	Vein
24	Pintin east	Chromite	Ortho-magmatic	61	Mananao	Gravita, (construction material)	Beach sand
25	Masbo	Chromite	Ortho-magmatic	62	Maria Cristina Chemical Industries	Silica	Beach sand
26	Banus No.1	Chromite	Ortho-magmatic	63	Mamburao	Silica	Beach sand
27	Banus No.2	Chromite	Ortho-magmatic	64	Barahan	Silica	Beach sand
28	Bansud	Chromite	Ortho-magmatic	65	Mansalay Mining Corp.	Silica	Bedded
29	Igsoso	Nickel	Residual	66	Falcon Mineral Inc.	Silica	Bedded
30	Aglubang	Nickel	Residual	67	Marblecraft	Marble	Bedded
31	Paragpagan	Nickel	Residual	68	Dulangan	Marble	Bedded
32	Bheridge Mining Corp.	Nickel	Residual	69	Monte Cristy Mining Co.	Jade	Vein
33	Baletero	Iron	Contact	70	Alitaytayan	Coal	Bedded
34	Batalong Bato	Iron	Contact	71	Napisian Bulalakao	Coal	Bedded
35	Savoran	Iron	Contact	72	Siy Bulalakao	Coal	Bedded



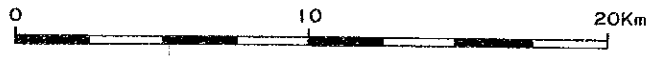
-12° 40'

-12° 30'

-12° 20'

-12° 10'

Scale 1 : 250,000

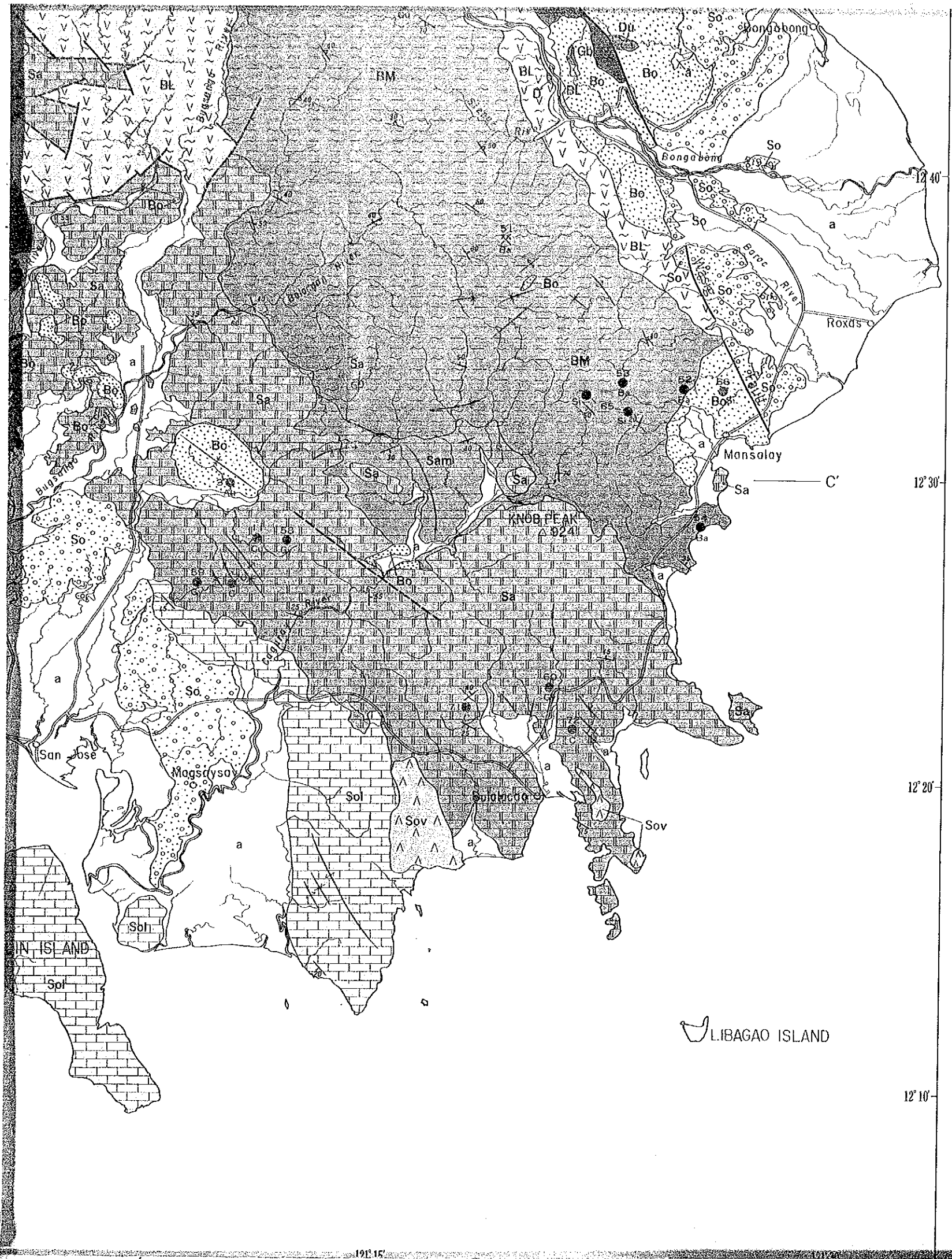


120° 30'

120° 15'

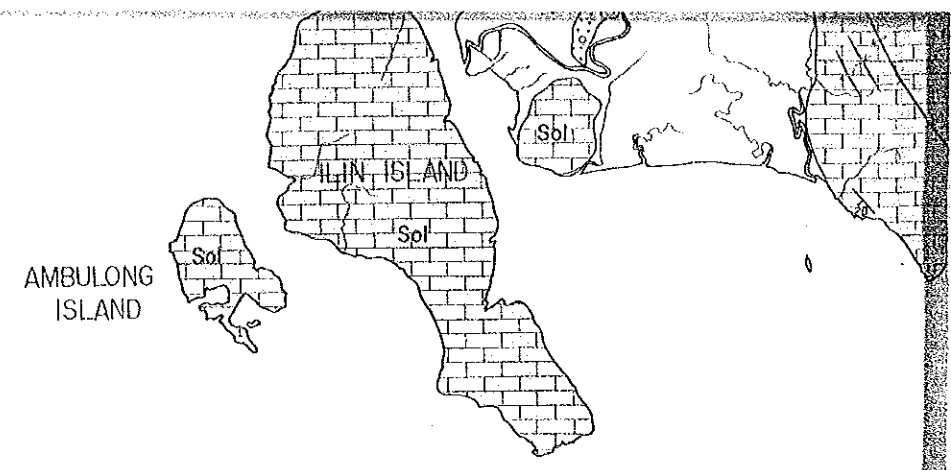
120° 00'

120° 15'



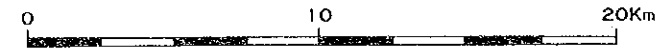
Jurassic	Baco Group	Lumintao Formation		basalt with basaltic tuff, sandstone, shale, slate to phyllite, green slate
		Mansalay Formation		limestone
				shale, sandstone, slate to phyllite, phyllitic sandstone with basalt and basaltic tuff
Pre-Jurassic to Jurassic	Halcon metamorphics		mica schist with green schist	
			green schist with mica schist	
			marble	
			gneiss	
			metagabbro	
Intrusive Rocks				
Ultramafic complex		peridotite		
		dunite		
		gabbro		
		amphibolite and green schist		
Granodiorite to diorite				
	Anticline		Syncline	
	Fault (certain)		Fault (inferred)	
	Strike and dip		Overturned bed	
	Schistosity		Profile line	
	Operating mines			
	Mineral showings			

33	Baletero	Iron	Contact	70	Alitaytayan	Coal	Bedded
34	Batalong Bato	Iron	Contact	71	Napisian Bulalakao	Coal	Bedded
35	Savoran	Iron	Contact	72	Siay Bulalakao	Coal	Bedded



-12° 10'

Scale 1 : 250,000

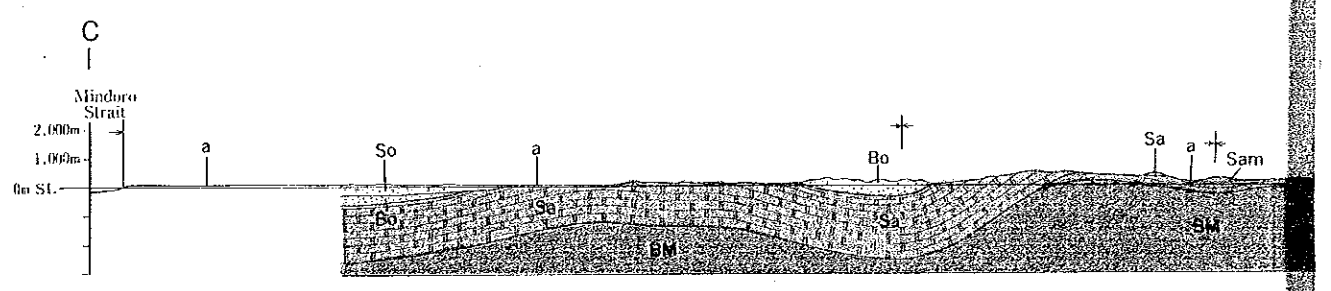
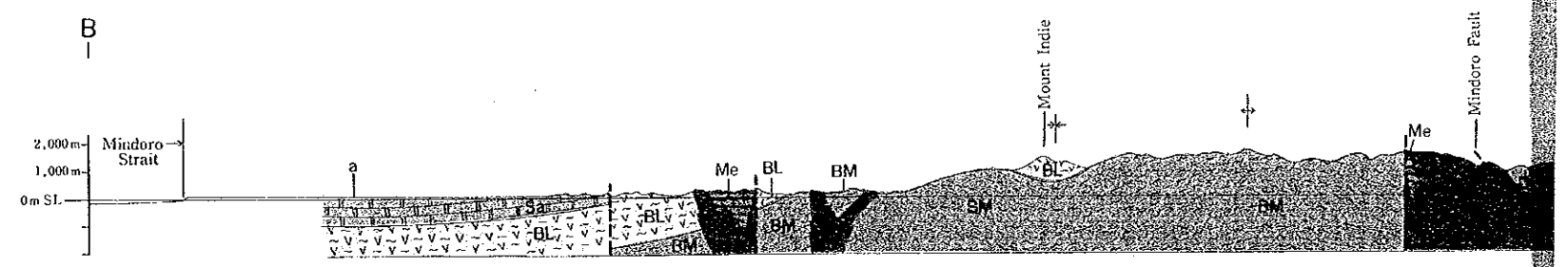
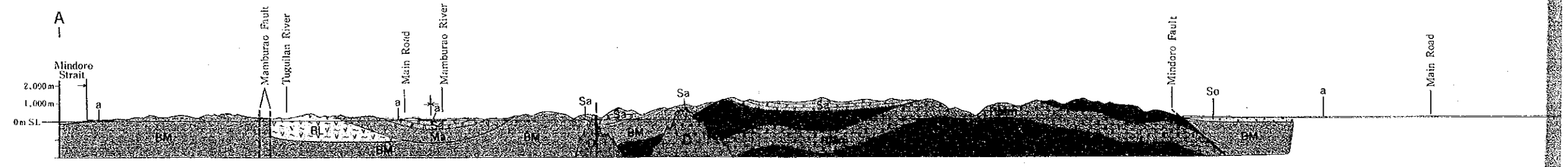


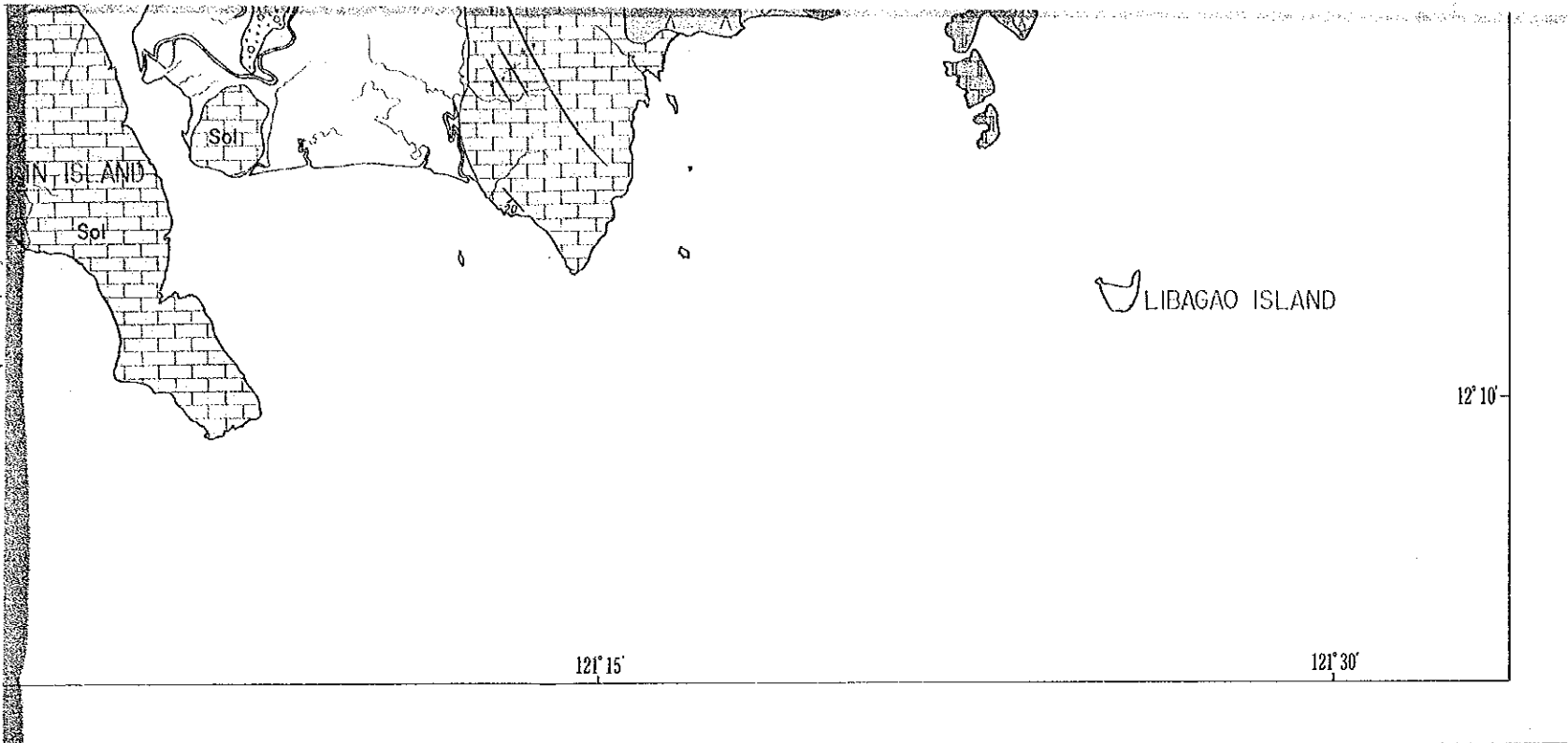
120° 30'

120° 45'

121° 00'

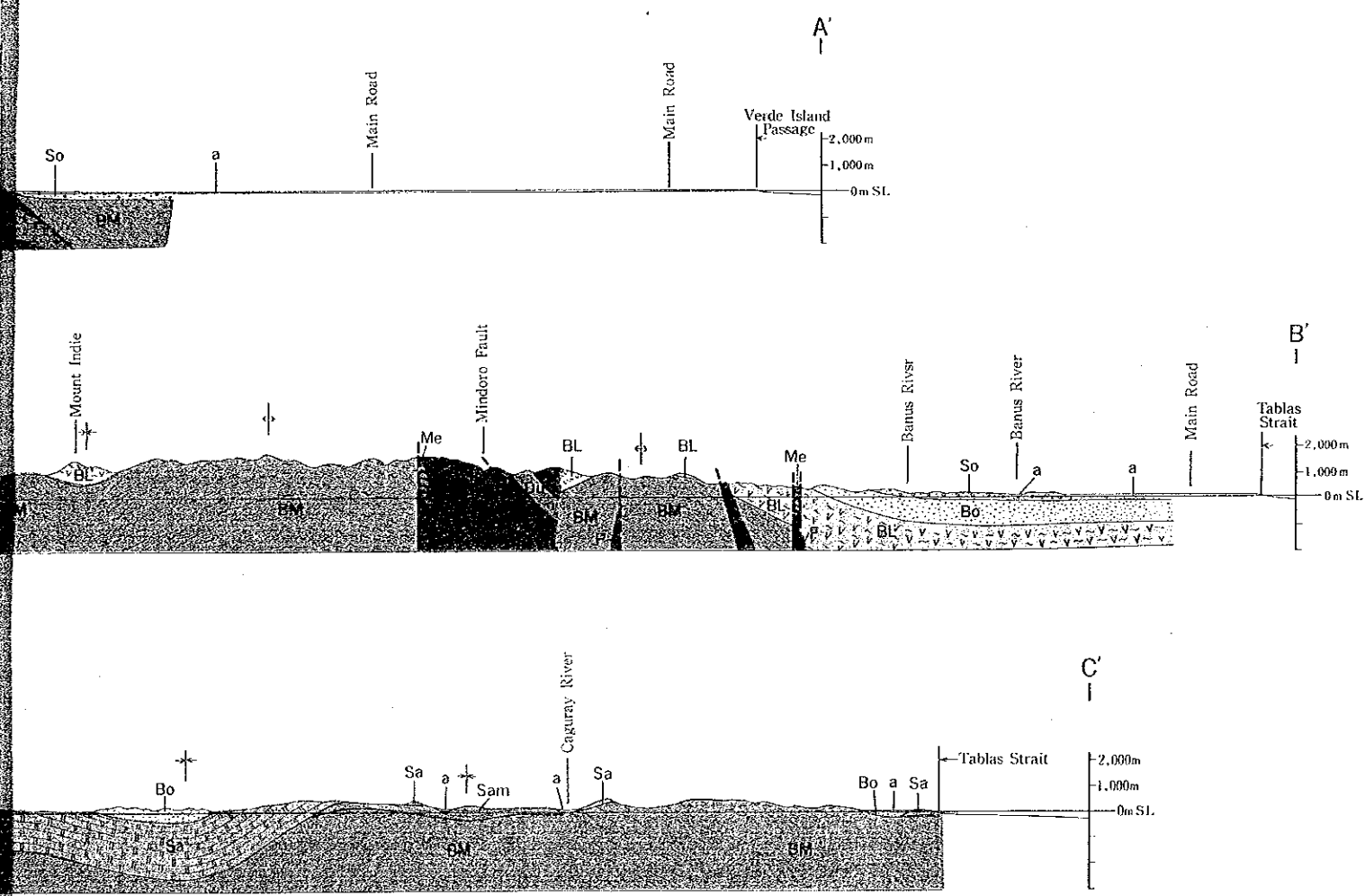
GEOLOGICAL PROFILE

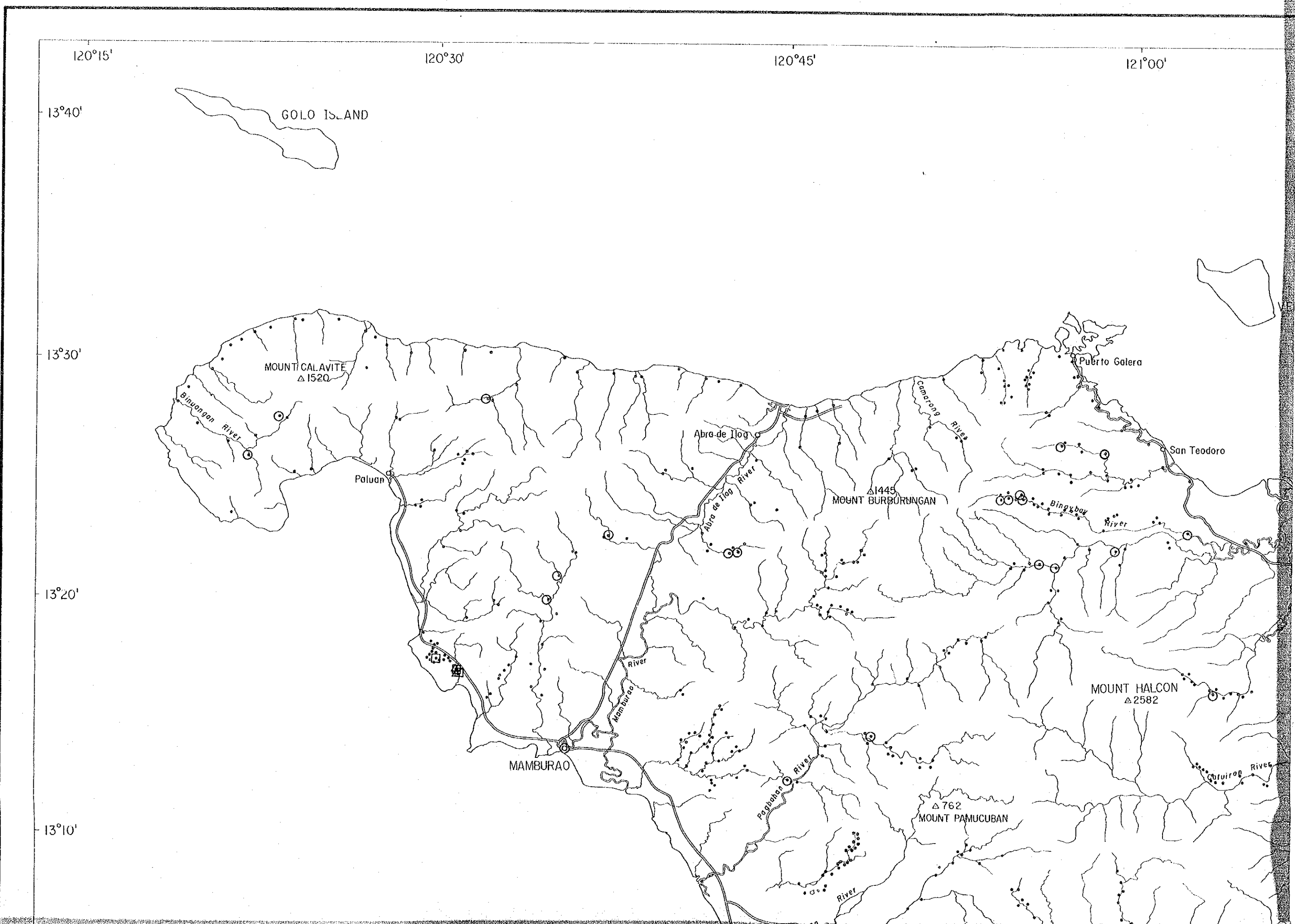




- Fault (certain)
- Fault (inferred)
- Strike and dip 30°
- Strike and dip 50°
- Schistosity 50°
- Overturned bed 70°
- A-A' Profile line
- Operating mines Ja, Ba
- Mineral showings Cr, Fe, Cu

Prepared by the Japan International Cooperation Agency and the Metal Mining Agency of Japan in close cooperation with the Bureau of Mines and Geo-Sciences of the Philippines through the three years (fiscal 1981-1983) mineral exploration in the Mindoro Island.





120°45'

121°00'

121°15'

121°30'

13°40'

13°30'

13°20'

13°10'

VERDE ISLAND

Puerto Galera

San Teodoro

CALAPAN

Abra de Ilog

MOUNT BURBURUNGAN
△1445

Bingyboy

River

MOUNT HALCON
△2582

Quirog

River

Papayan

River

MOUNT PAMUCUBAN
△762

Magasvangbig

River

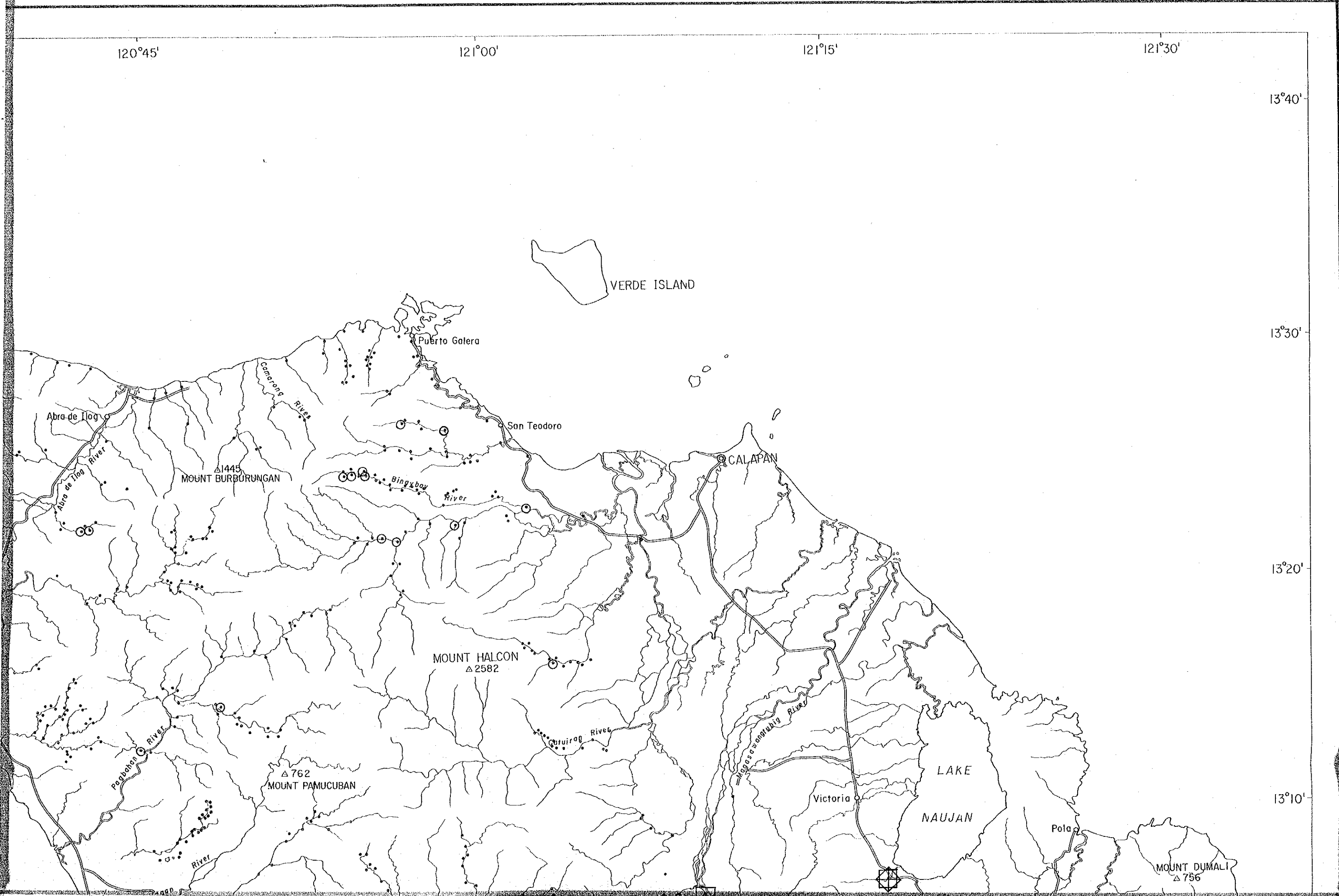
LAKE

NAUJAN

Victoria

Pola

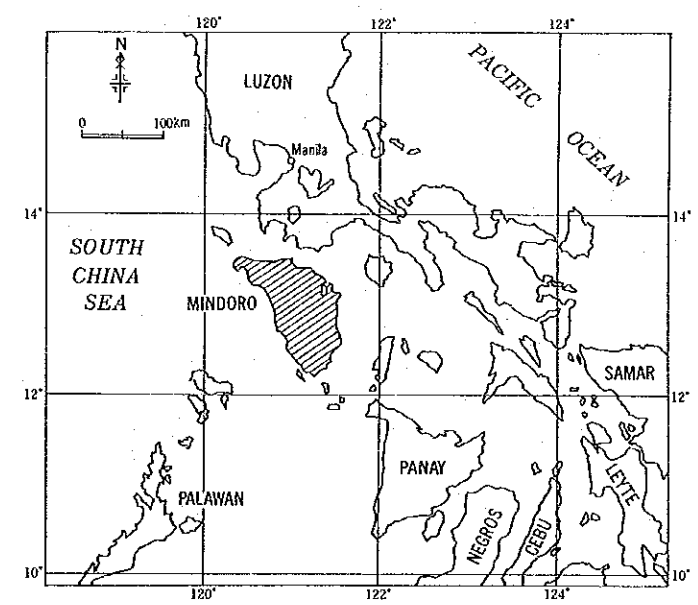
MOUNT DUMALI
△756



GEOLOGICAL SURVEY
OF
MINDORO ISLAND, PHILIPPINES

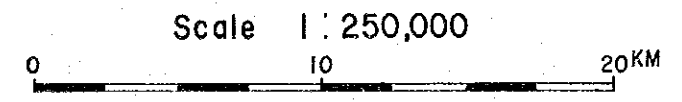
Geochemical Anomaly Map
(Stream Sediment)

LOCATION INDEX



June 1984

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN



121°15'

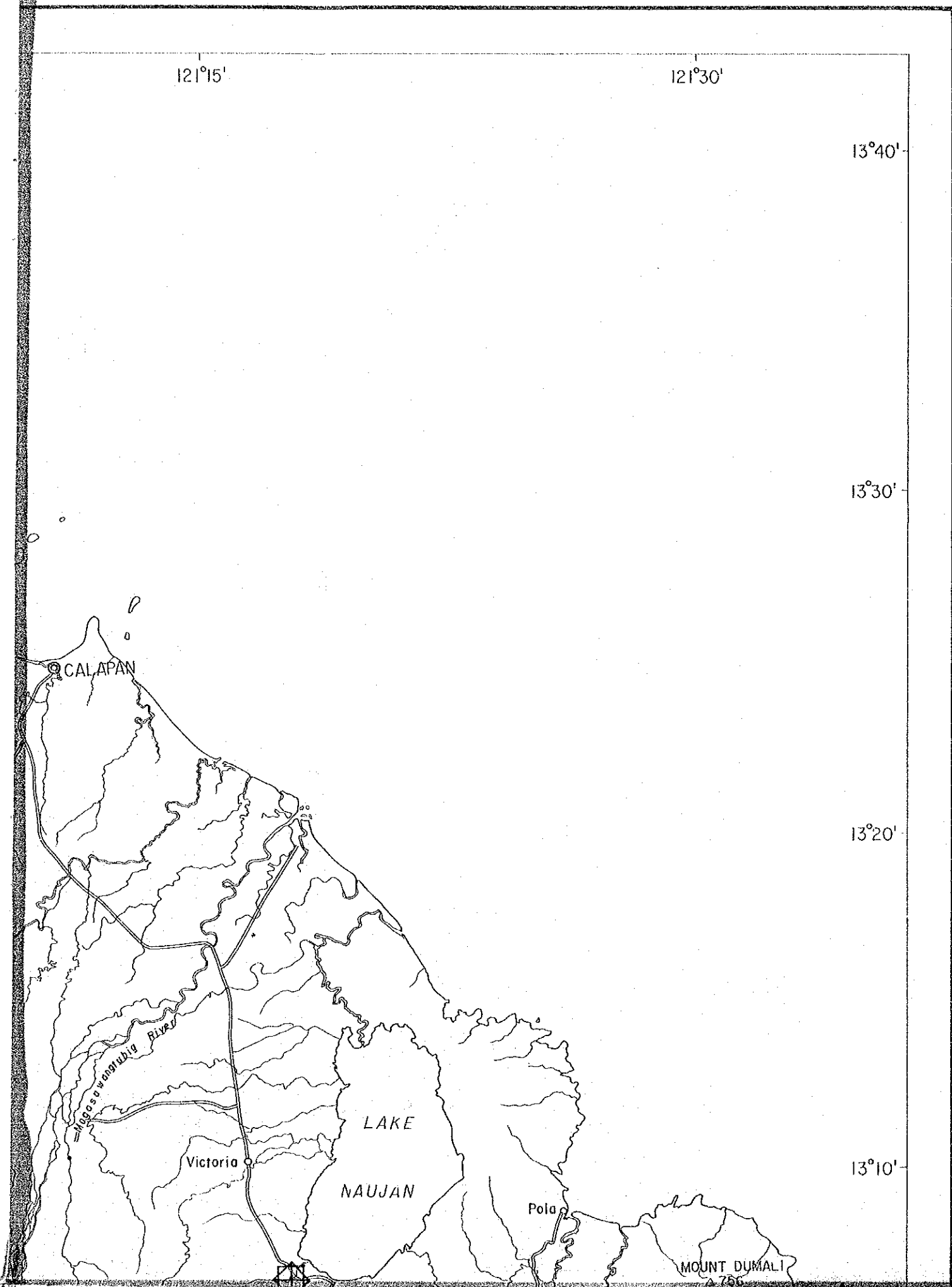
121°30'

13°40'

13°30'

13°20'

13°10'



MOUNT HALCON
△ 2582

△ 762
MOUNT PAMUCUBAN

MOUNT FETCHEL
△ 1314

MAMBURAO

Sta. Cruz

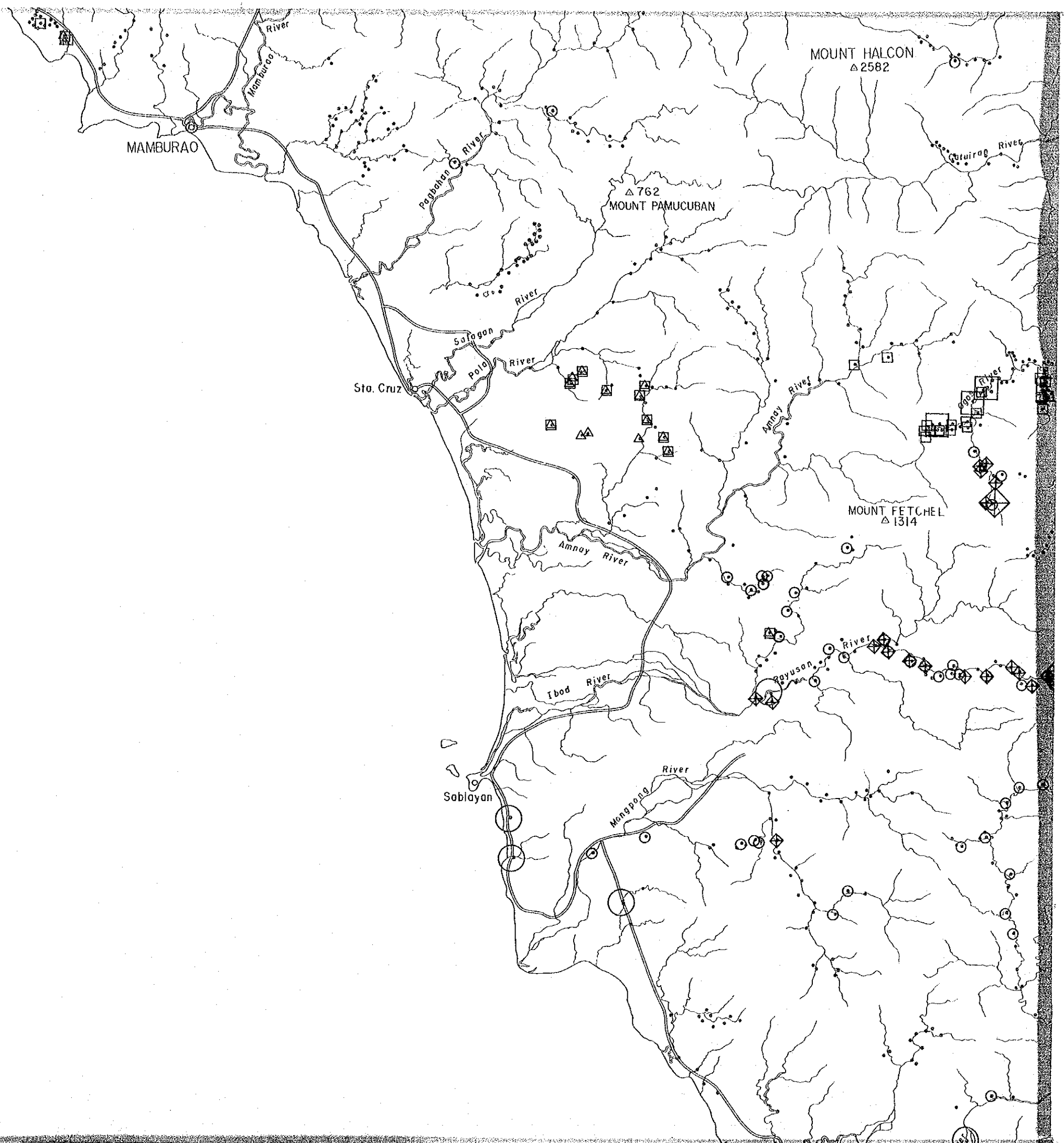
Sablayan

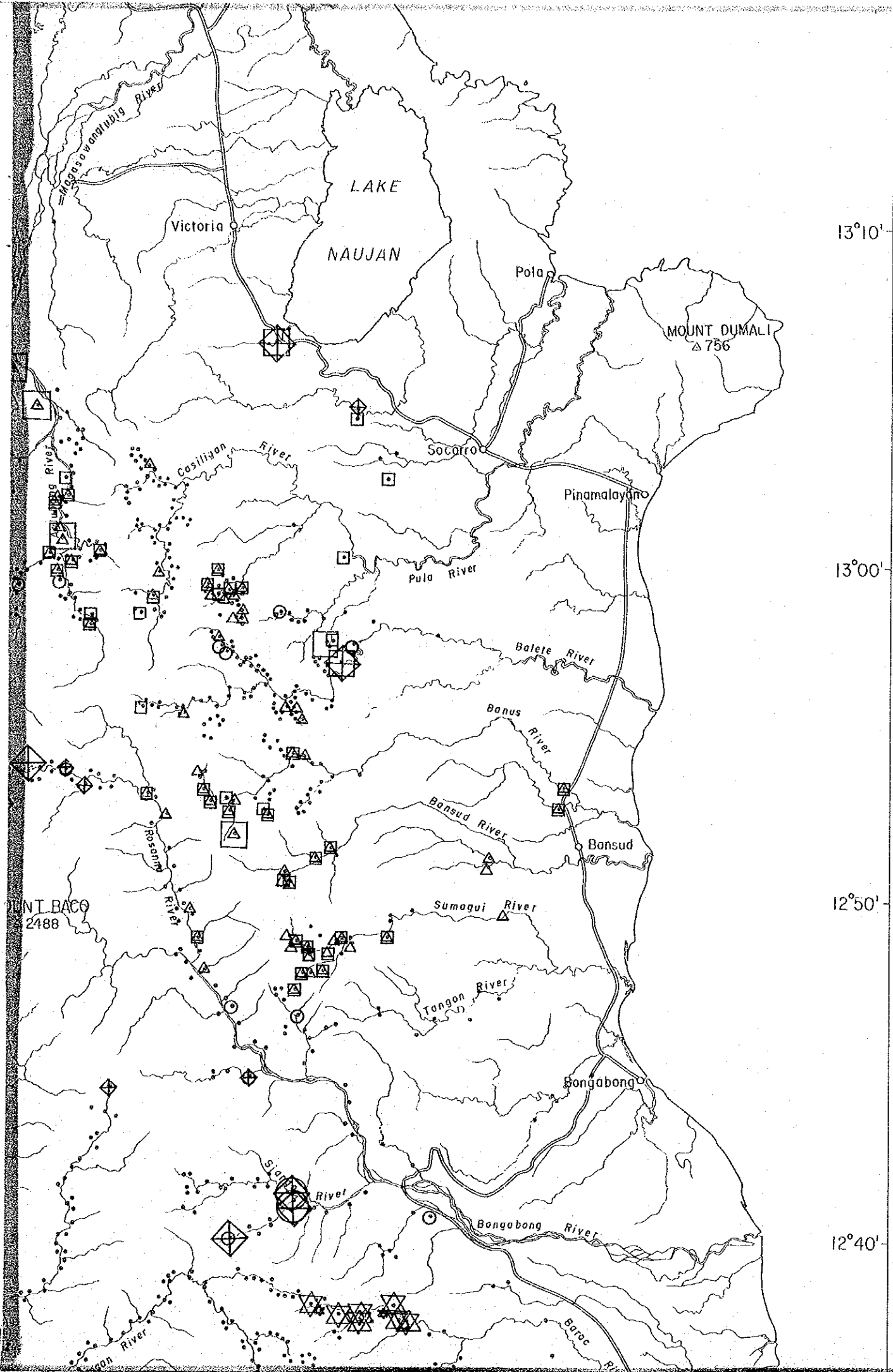
13°10'

13°00'

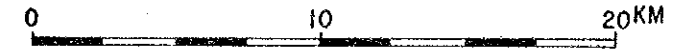
12°50'

12°40'





Scale 1 : 250,000



LEGEND

	$t'' \sim t$	$t \cong$
Cr	\square (1,192 ppm)	\square (3,541 ppm)
Ni	\triangle (956 ppm)	
Ba	\star (10.51 ppm)	\triangle (23.09 ppm)
Cu	\circ (58 ppm)	\circ (107 ppm)
Zn	\diamond (113 ppm)	\diamond (174 ppm)

$t : \bar{x} + 2s$, $t'' : \bar{x} + s$

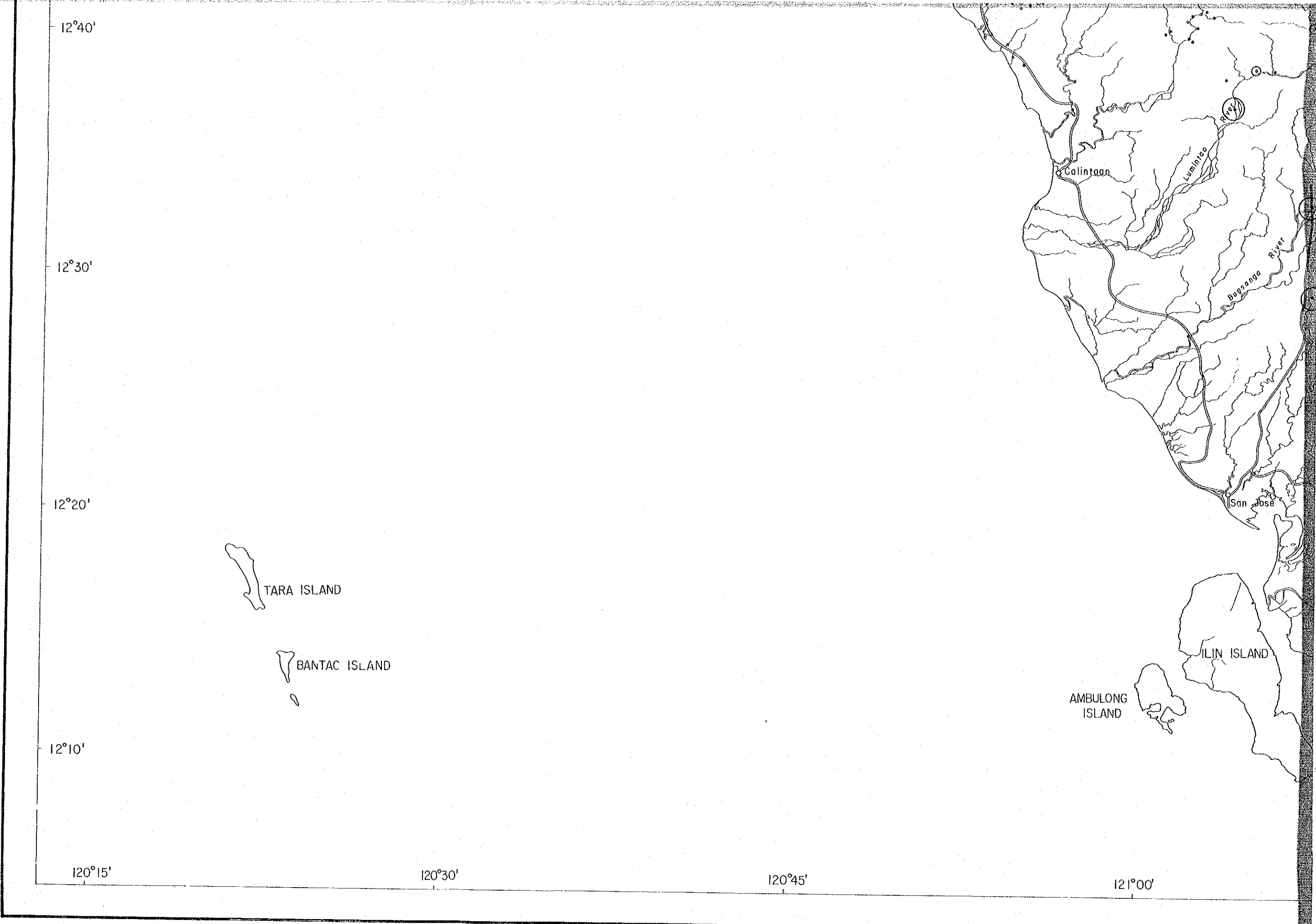
Sample location

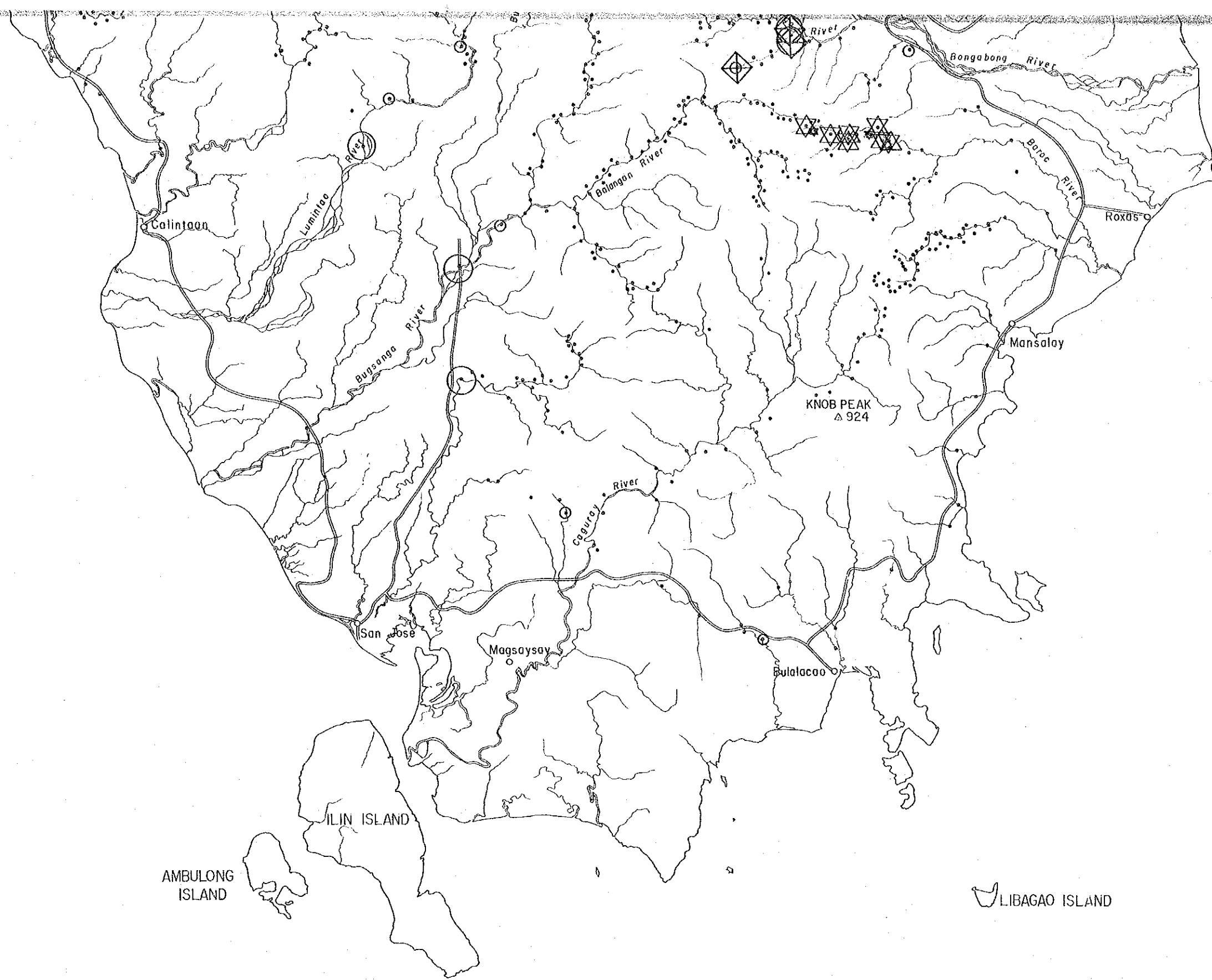
13°10'

13°00'

12°50'

12°40'





120°45'

121°00'

121°15'

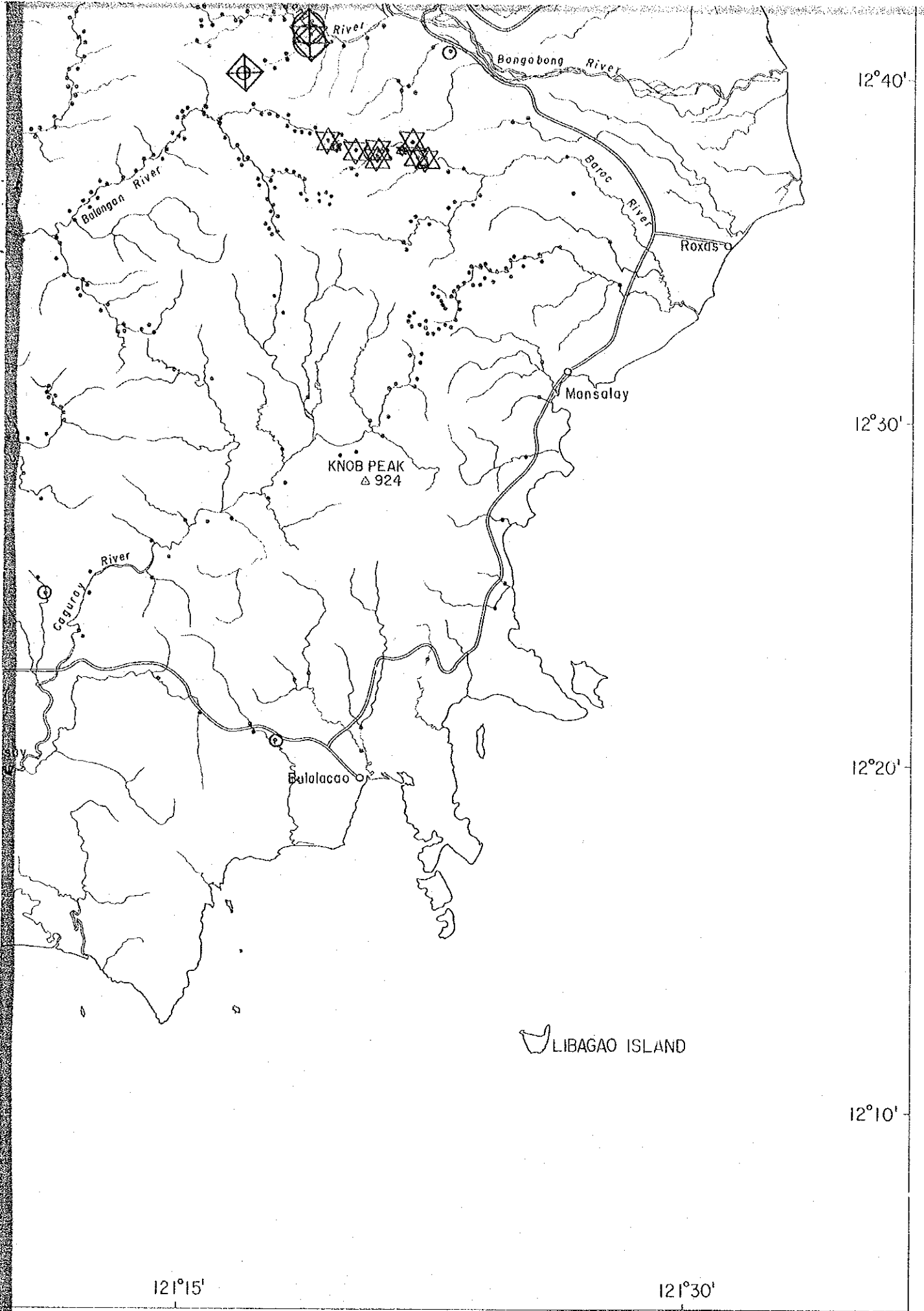
121°30'

12°40'

12°30'

12°20'

12°10'



12°40'

12°30'

12°20'

12°10'

121°15'

121°30'

LIBAGAO ISLAND

JICA