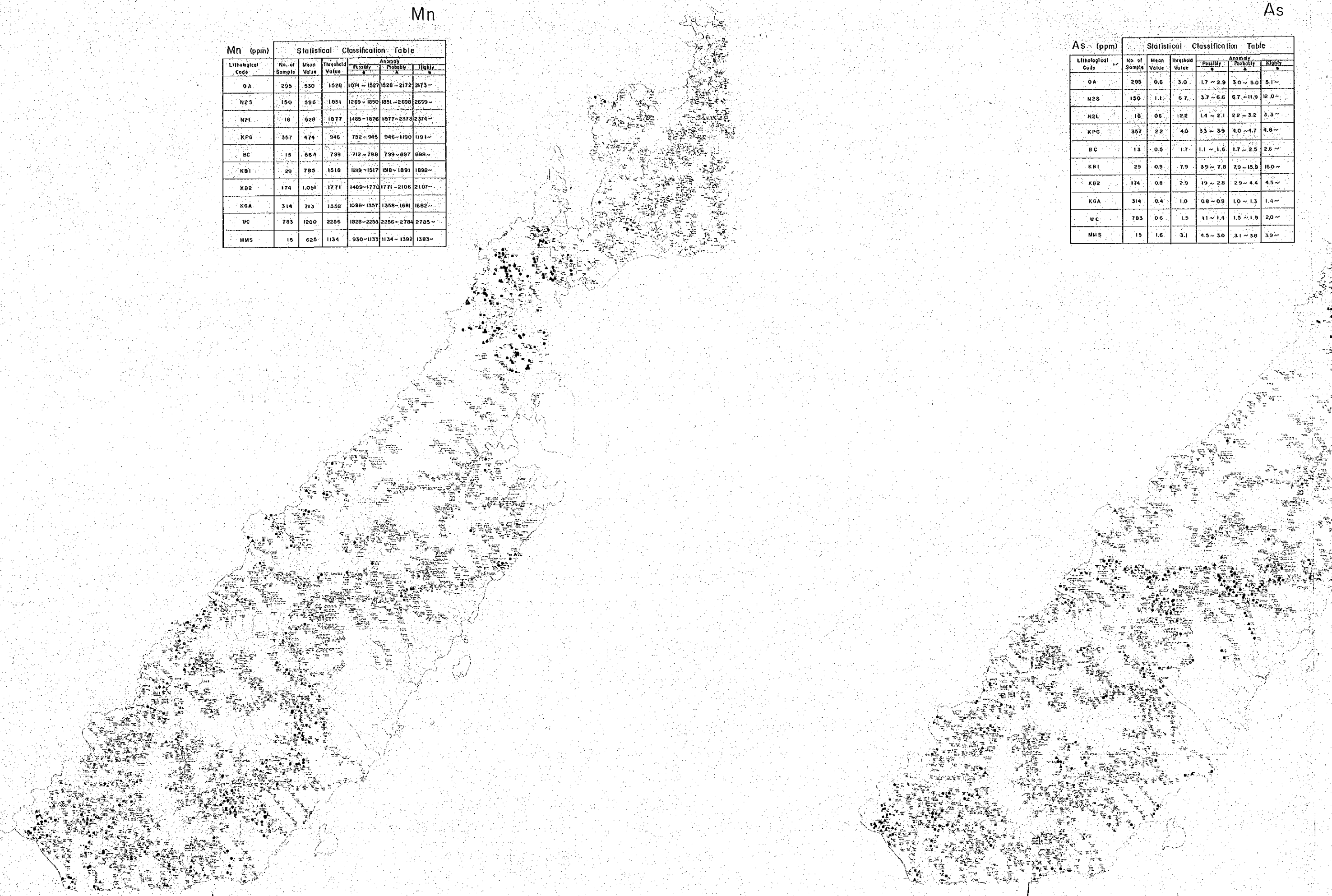


Mn

Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possible	Probable	Highly
OA	295	530	1528	1074 ~ 1527	1528 ~ 2172	2173 ~
N2S	150	596	1851	1269 ~ 1850	1851 ~ 2698	2699 ~
N2L	16	928	1877	1485 ~ 1876	1877 ~ 2373	2374 ~
KP0	357	474	946	752 ~ 945	946 ~ 1190	1191 ~
BC	13	564	799	712 ~ 798	799 ~ 897	898 ~
KB1	29	785	1518	1219 ~ 1517	1518 ~ 1891	1892 ~
KB2	174	1,051	1771	1489 ~ 1770	1771 ~ 2106	2107 ~
KGA	314	713	1358	1095 ~ 1357	1358 ~ 1681	1682 ~
UC	783	1200	2256	1828 ~ 2255	2256 ~ 2784	2785 ~
MMS	15	625	1134	930 ~ 1133	1134 ~ 1382	1383 ~

As

Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possible	Probable	Highly
OA	295	0.6	3.0	1.7 ~ 2.9	3.0 ~ 5.0	5.1 ~
N2S	150	1.1	6.7	3.7 ~ 6.6	6.7 ~ 11.9	12.0 ~
N2L	16	0.6	2.2	1.4 ~ 2.1	2.2 ~ 3.2	3.3 ~
KP0	357	2.2	4.0	3.3 ~ 3.9	4.0 ~ 4.7	4.8 ~
BC	13	0.5	1.7	1.1 ~ 1.6	1.7 ~ 2.5	2.6 ~
KB1	29	0.9	7.9	3.9 ~ 7.8	7.9 ~ 15.9	16.0 ~
KB2	174	0.8	2.9	1.9 ~ 2.8	2.9 ~ 4.4	4.5 ~
KGA	314	0.4	1.0	0.8 ~ 0.9	1.0 ~ 1.3	1.4 ~
UC	783	0.6	1.5	1.1 ~ 1.4	1.5 ~ 1.9	2.0 ~
MMS	15	1.6	3.1	4.5 ~ 3.0	3.1 ~ 3.8	3.9 ~

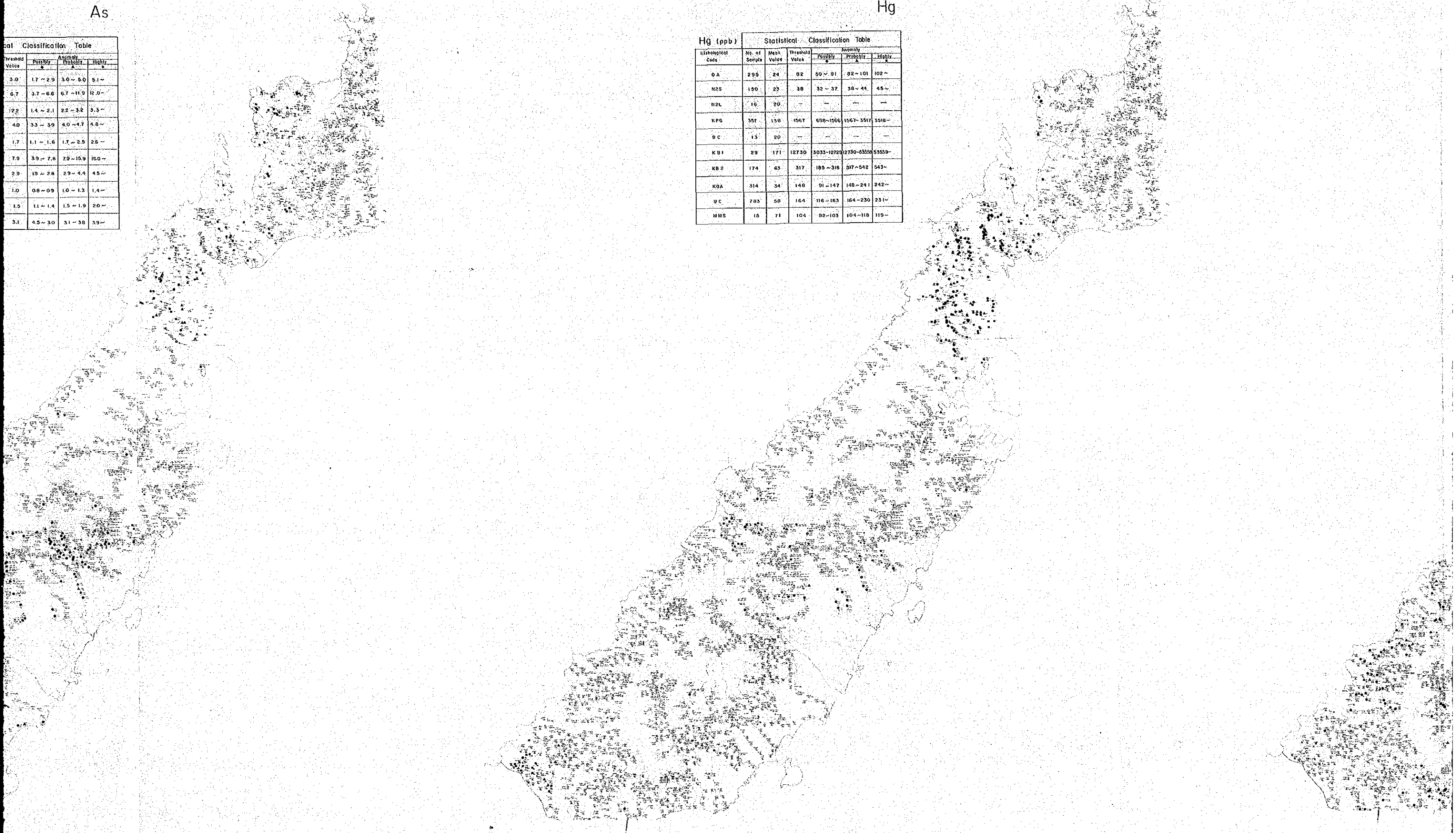


As

Threshold Value	Anomaly		
	Possible	Probable	Highly
3.0	1.7 ~ 2.9	3.0 ~ 5.0	5.1 ~
6.7	3.7 ~ 6.6	6.7 ~ 11.9	12.0 ~
22	1.4 ~ 2.1	2.2 ~ 3.2	3.3 ~
40	3.3 ~ 3.9	4.0 ~ 4.7	4.8 ~
1.7	1.1 ~ 1.6	1.7 ~ 2.5	2.6 ~
7.9	3.9 ~ 7.8	7.9 ~ 15.9	16.0 ~
2.9	1.9 ~ 2.8	2.9 ~ 4.4	4.5 ~
1.0	0.8 ~ 0.9	1.0 ~ 1.3	1.4 ~
1.5	1.1 ~ 1.4	1.5 ~ 1.9	2.0 ~
3.1	4.5 ~ 3.0	3.1 ~ 3.8	3.9 ~

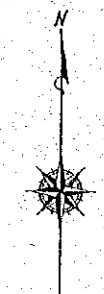
Hg

Lithological Code	No. of Samples	Mean Value	Threshold Value	Anomaly		
				Possible	Probable	Highly
QA	295	24	82	50 ~ 91	92 ~ 101	102 ~
N2S	150	23	38	32 ~ 37	38 ~ 44	45 ~
N2L	16	20	-	-	-	-
KPG	357	138	1567	698 ~ 1566	1567 ~ 3317	3318 ~
BC	13	20	-	-	-	-
K91	29	171	12730	13033 ~ 12729	12730 ~ 63558	63559 ~
KB2	174	63	317	185 ~ 316	317 ~ 542	543 ~
K9A	314	34	148	91 ~ 147	148 ~ 241	242 ~
UC	783	58	164	116 ~ 163	164 ~ 230	231 ~
MMS	15	71	104	92 ~ 103	104 ~ 118	119 ~



Cr

Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Classification Table		
				Possibly	Probably	Highly
O A	295	12232	182928	74549 ~ 182927	182928 ~ 450679	450680 ~
N2S	150	3934	24758	3000-24757	24758 ~ 46934	46935 ~
N2L	16	2378	12154	7056-12153	12154-23935	23936 ~
KPG	335	640	14806	5096-14805	14806-4293	4294 ~
BC	13	7310	44507	24373 ~ 44506	44507 ~ 81271	81272 ~
KB1	29	19196	119210	84756 ~ 119209	119210 ~ 219116	219117 ~
KB2	143	3794	70604	26643 ~ 70603	70604 ~ 187100	187101 ~
KGA	279	3403	60208	23220 ~ 60207	60208 ~ 156117	156118 ~
U C	442	27753	135950	80050 ~ 135949	135950 ~ 230888	230889 ~

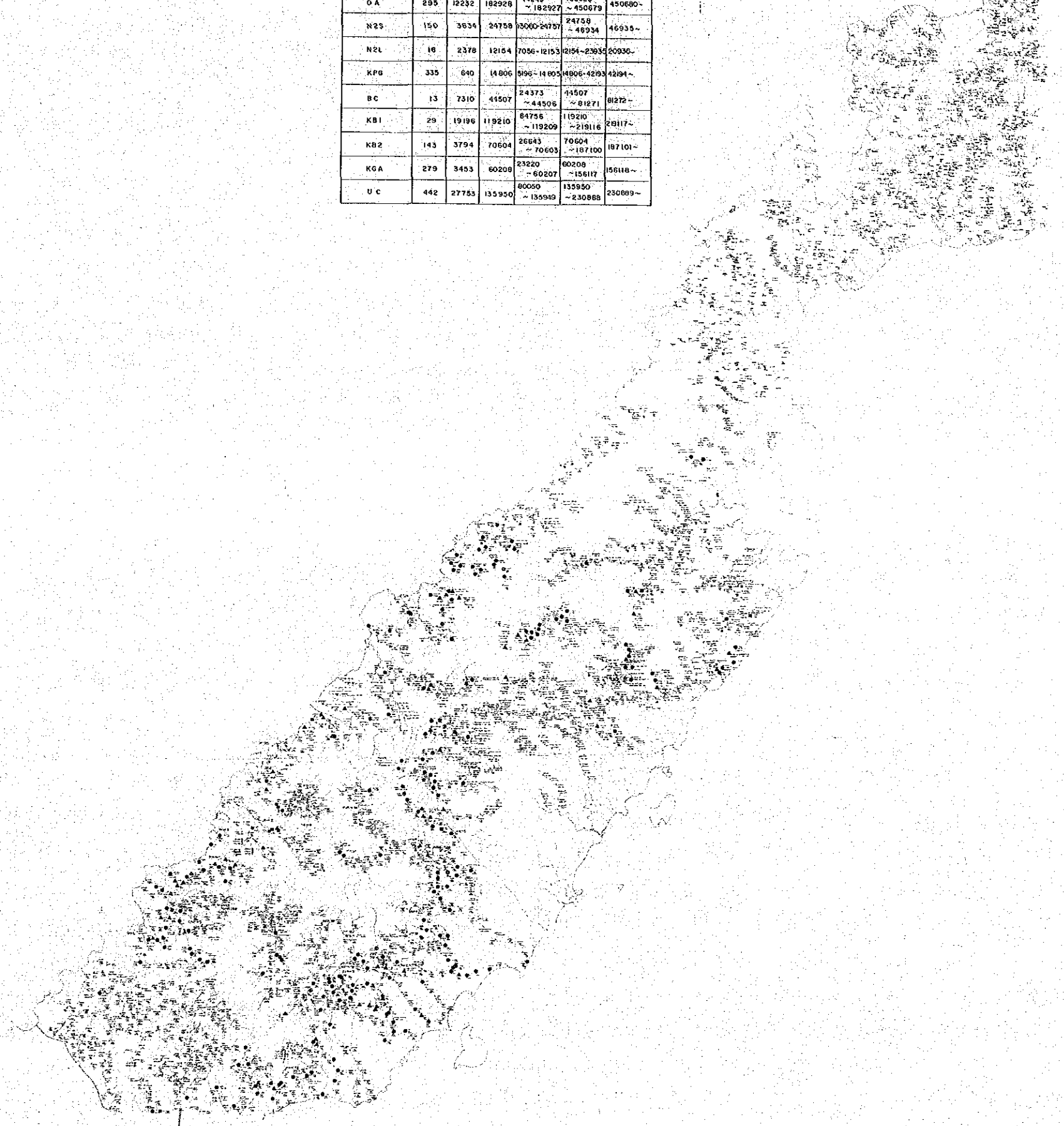


PL. 8-2  
16317  
圖書資料室藏書

THE MINERAL EXPLORATION  
- MINERAL DEPOSITS AND TECTONICS OF TWO  
CONTRASTING GEOLOGIC ENVIRONMENTS  
IN  
THE REPUBLIC OF THE PHILIPPINES  
PHASE III  
DISTRIBUTION GEOCHEMICAL ANOMALIES OF  
STREAM SEDIMENT SAMPLES (UNIVARIATE ANALYSIS)  
PALAWAN AREA (2), Part 2

JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
Feb. 1987

Scale 1:250,000  
0 10 20 km



Ga

(ppm)

•	5.95 ≤ Z < 8.55
▲	8.56 ≤ Z < 11.89
■	11.90 ≤ Z

•	60.20 ≤ Z < 65
▲	65.14 ≤ Z < 70
■	70.42 ≤ Z



Ag

(ppb)

•	60.26 ≤ Z < 65.13
▲	65.14 ≤ Z < 70.14
■	70.42 ≤ Z

Au

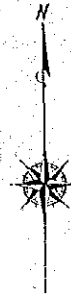
(ppb)

•	39.49 ≤ Z < 66.62
▲	66.63 ≤ Z < 115.37
■	115.38 ≤ Z

Au

(ppb)

•	39.49 ≤ Z < 66.62
▲	66.63 ≤ Z < 115.37
■	115.38 ≤ Z



PL. 9  
16317

THE MINERAL EXPLORATION  
- MINERAL DEPOSITS AND TECTONICS OF  
CONTRASTING GEOLOGIC ENVIRONMENTS  
IN  
THE REPUBLIC OF THE PHILIPPINES  
PHASE III  
DISTRIBUTION GEOCHEMICAL ANOMALIES  
OF HEAVY MINERAL SAMPLES  
PALAWAN AREA (2)

JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
Feb. 1987

Scale 1 : 250,000

Mineral Showing List

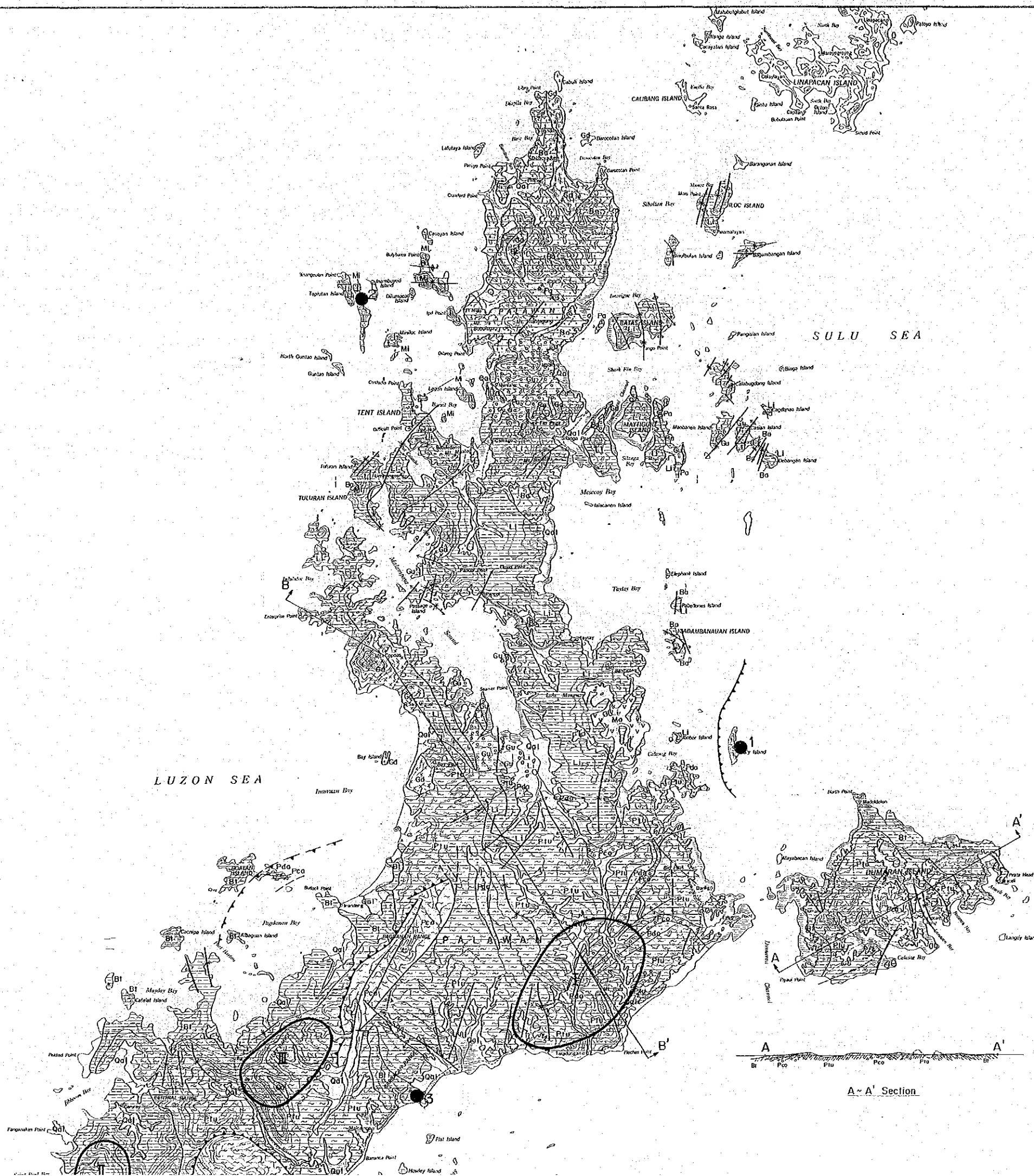
NO	Name of Showing	Kind of Ore	Grade
1	Poly Is.	Chromite Ore	C
2	Maitlat Is.	Dolomite	D
3	Roxos	Silica Sand	D

Evaluation Grade

C : Possibility of following Survey is reliable  
 D : Necessity of following Survey is low

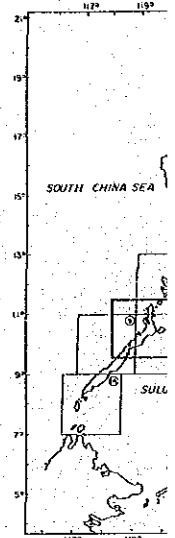
Promising Area List

- I Northern Tarakan Area
- II NW side of Stripe Peak
- III SE side of Barren



THE MINERAL DEPOSITS OF PALAWAN  
 - MINERAL DEPOSITS OF CONTRASTING GRADES

THE REPUBLIC OF THE PHILIPPINES  
 INVENTORY AND APPRAISAL OF MINERAL RESOURCES



JAPAN INTERNATIONAL COOPERATION FOR ECONOMIC DEVELOPMENT  
 METAL MINING PROJECT

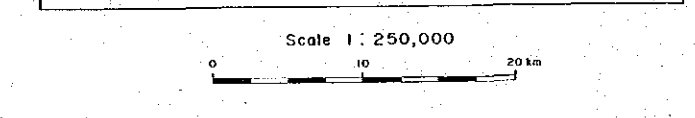
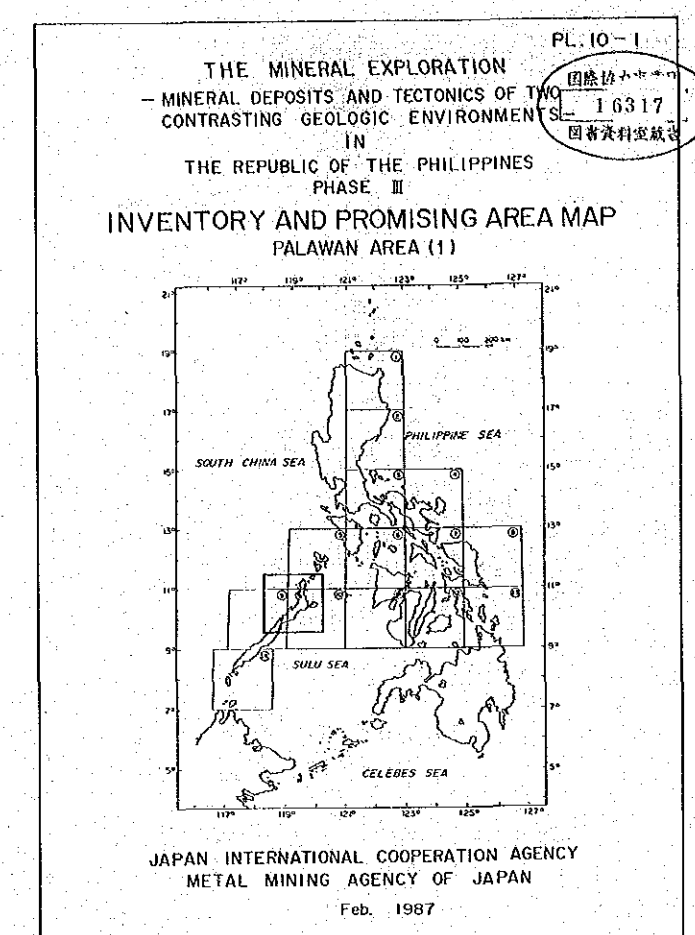
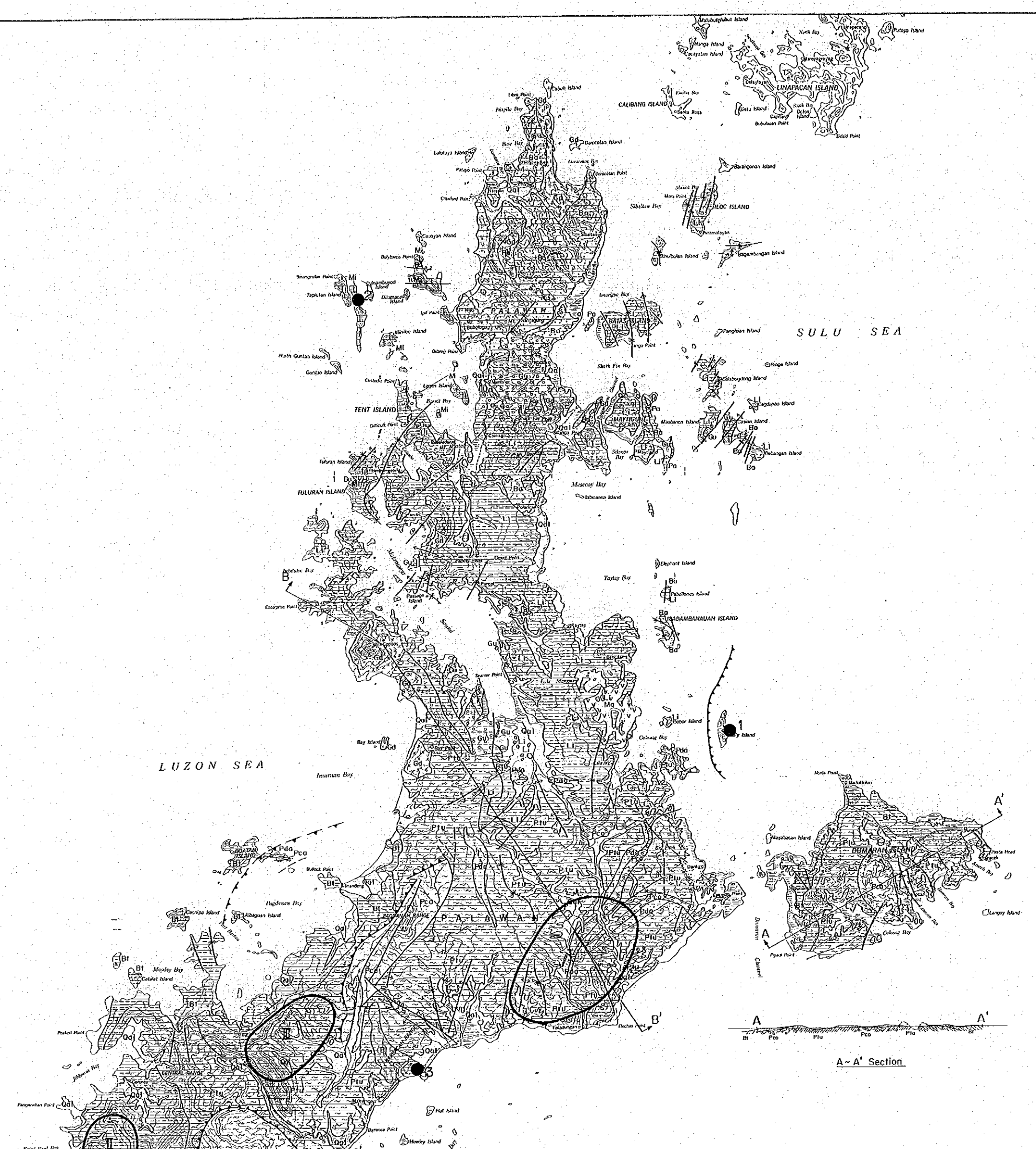
Quaternary	Alluvium	Qol	Alluvium
	Deltivium	Qda	Bosaltic
Tertiary	Miocene	Mi	St. Pauls
	Oligocene	Oli	
	Eocene	Eoc	Pubellian
Cretaceous		Cs	Serpentine
Jurassic	Middle	Jm	Guinlo For
	Lower	Jl	
Triassic	Upper	Tu	Liminoc
	Middle	Tm	
Permian	Upper	Pu	Minilog
	Middle	Pm	
	Middle	Pc	Bacuit F
Pre Permian		Pp	Conceptio Phyllite
		Pc	Caromay
			Fault
			Fault (
			Thrust
			Anticlin

A - A' Section

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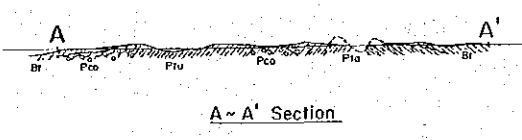
ng Survey is reliable  
g Survey is low

Area  
ak

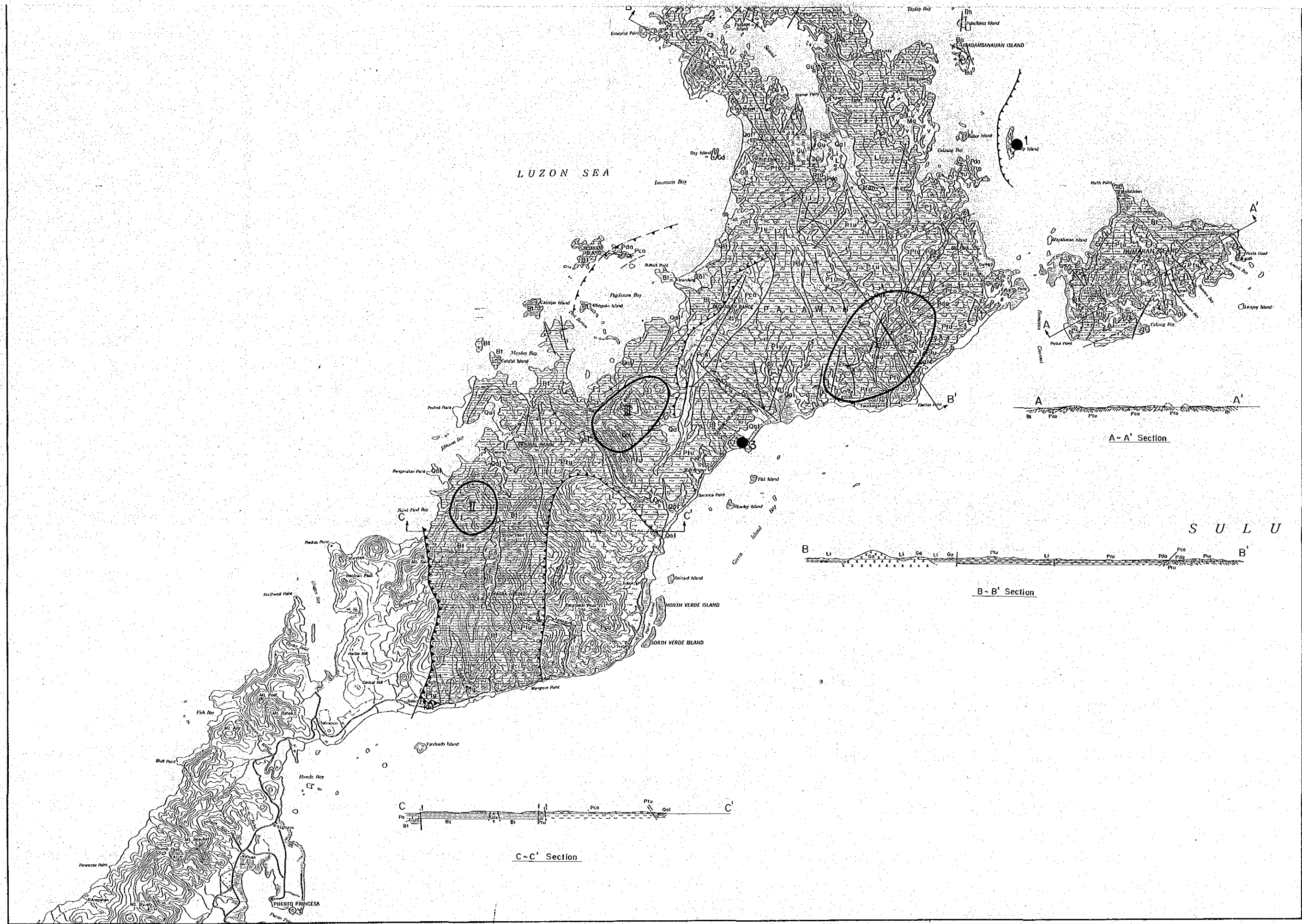


LEGEND

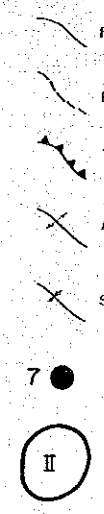
Quaternary	Alluvium	Qal	Alluvium, Coral reef, Beach Sand
	Dellivium	Mo	Basaltic lava
Tertiary	Miocene	Sp	St. Pauls Is
	Oligocene	Gd	Capos and Strip Peak Granite
	Eocene	Pa	Pabellon Is
		Bi	Babuyan River Turbidites
Cretaceous		S	Serpentine gabbro
		Gd	Daracton Granite
Jurassic	Middle	Gus	Guinlo Formation
Triassic	Upper	Li	Limnancong Formation
	Middle	Mi	Minitog Formation
Permian	Middle	Ba	Bacuit Formation
Pre Permian		ES	Conception Pebbly Phyllite
		FD	Danleg Sandstone
		PT	Tumabong Semi Schist
		Co	Caramay Schist
			Fault
			Fault (assumed)
			Thrust
			Anticline Axis
			Syncline Axis

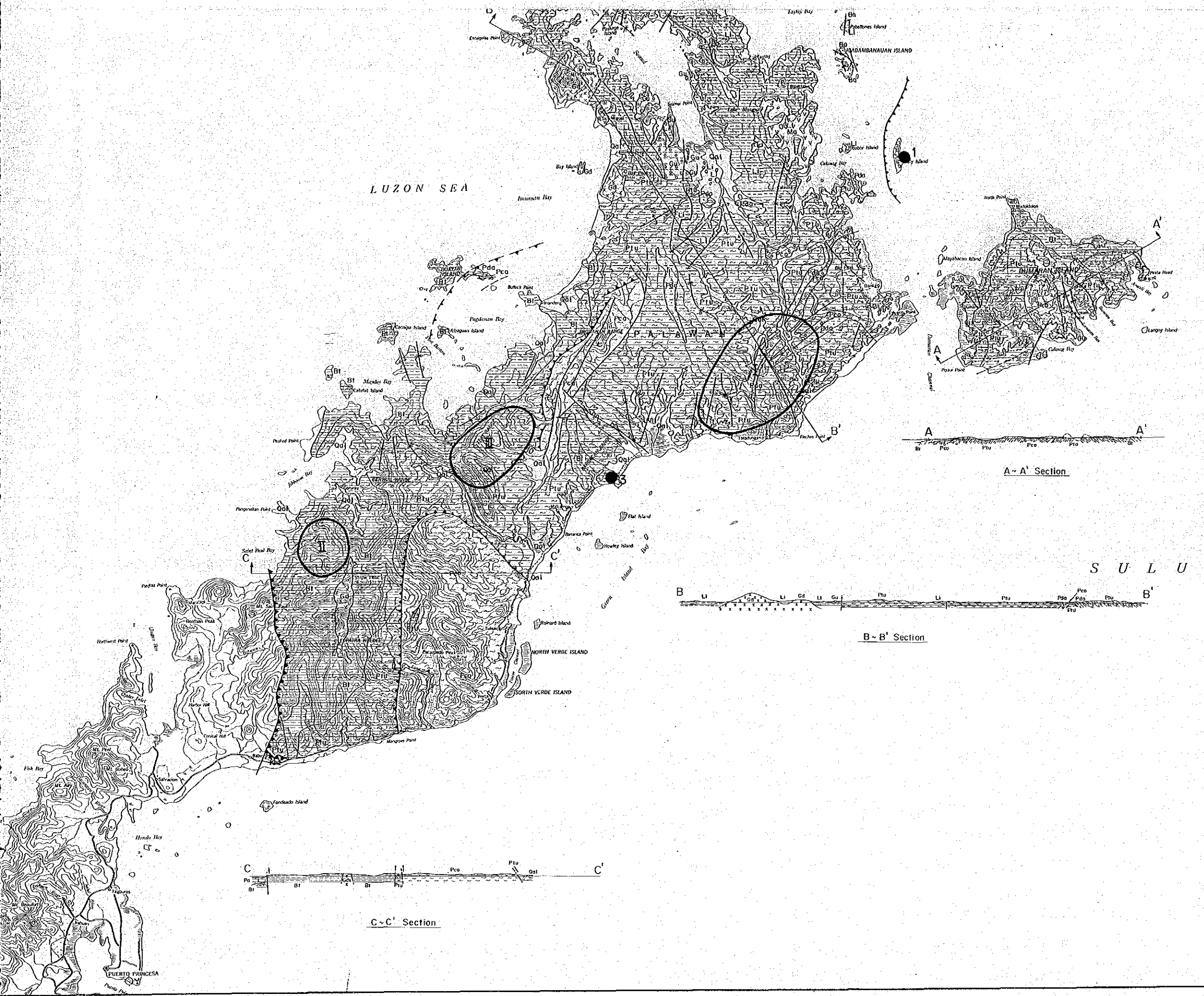






Quaternary	Alluvium	Qd1	Al
	Delluvium	Qd2	Bo
Tertiary	Miocene	M1	St
	Oligocene	O1	St
	Eocene	E1	Pa
Cretaceous		C1	Se
		C2	Se
Jurassic	Middle	J1	Gu
	Lower	J2	Gu
Triassic	Upper	T1	Li
	Middle	T2	Li
Permian	Upper	P1	Mi
	Middle	P2	Mi
Pre Permian		P3	Cc
		P4	Cc





LEGEND

Quaternary	Alluvium	Qal	Alluvium, Coral reef, Beach Sand
	Deltivium	Max	Basaltic lava
Tertiary	Miocene	SP	St. Pauls Is
	Oligocene	SP	St. Pauls Is
	Eocene	Po	Pobellon Is
		PPA	Plodras Point Andesite
		Gd	Capas and Strip Peak Granite
		BR	Babuyan River Turbidites
Cretaceous		S	Serpentine gabbro
		Gd	Daroclan Granite
Jurassic	Middle	Gu	Guinlo Formation
	Lower	Gu	Guinlo Formation
Triassic	Upper	Li	Limancong Formation
	Middle	Li	Limancong Formation
Permian	Upper	MI	Minilog Formation
	Middle	MI	Minilog Formation
Permian	Middle	Ba	Bacuit Formation
Pre Permian		CP	Conception Pebbly Phyllite
		Ds	Dunlog Sandstone
		Tu	Tumarbong Semi Schist
		Ca	Caramay Schist
		F	Fault
		F	Fault (assumed)
		T	Thrust
		A	Anticline Axis
		S	Syncline Axis
		M	Mineral Showing
		P	Promising Area

Mineral Showing List

No.	Name of Showing	Kind of Ore	Grade
1	ATLAS MINE	Chromite ore	D
2	RICHMAN MINE	s	D
3	Boyo MINE	s	D
4	BENGUIT MINE	s	D
5	Romarao	Nickel laterite Chromite ore	C
6	Berong	Nickel laterite	C
7	Ibong	Nickel laterite	D
8	Malaspas	s	D
9	Behlehem	Ni laterite Chromite ore	C
10	Behlehem West	Ni laterite	D
11	Olympic	Ni laterite Chromite ore	B
12	Santa Monica	Ni laterite Chromite ore	C
13	Trident	Chromite ore	D
14	Abubu	Guano phosphate	C

Evaluation Grade

- B : Necessity of following Survey is high
- C : Possibility of following Survey is reliable
- D : Necessity of following Survey is low

Promising Area List

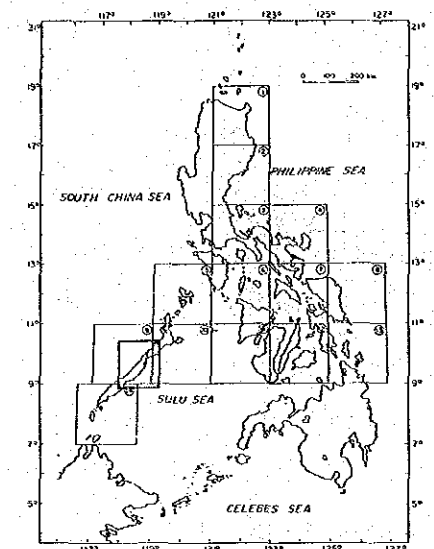
- I Northern Puerto Princesa (UNDP Area)
- II Westside Birong (NI, Co, Co)
- III Around Mt. Cataragas (NI, Co)

LUZON SEA



THE MINERAL EXPLORATION  
- MINERAL DEPOSITS AND TECTONICS OF TWO  
CONTRASTING GEOLOGIC ENVIRONMENTS  
IN  
THE REPUBLIC OF THE PHILIPPINES  
PHASE III  
INVENTORY AND PROMISING AREA MAP  
PALAWAN AREA (2)

PL 10-2  
1631  
国務院地質部



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
Feb. 1987

Scale 1 : 250,000  
0 10 20 km

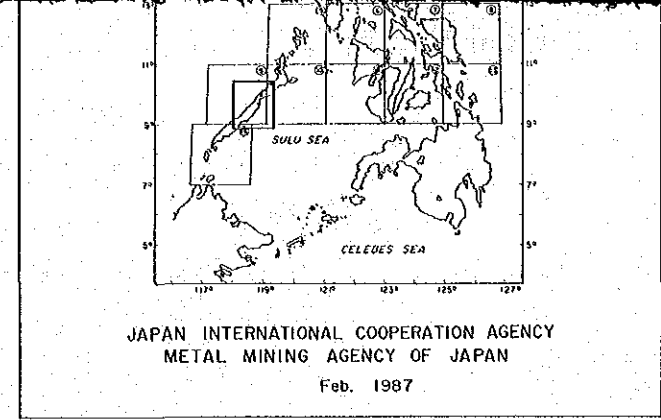
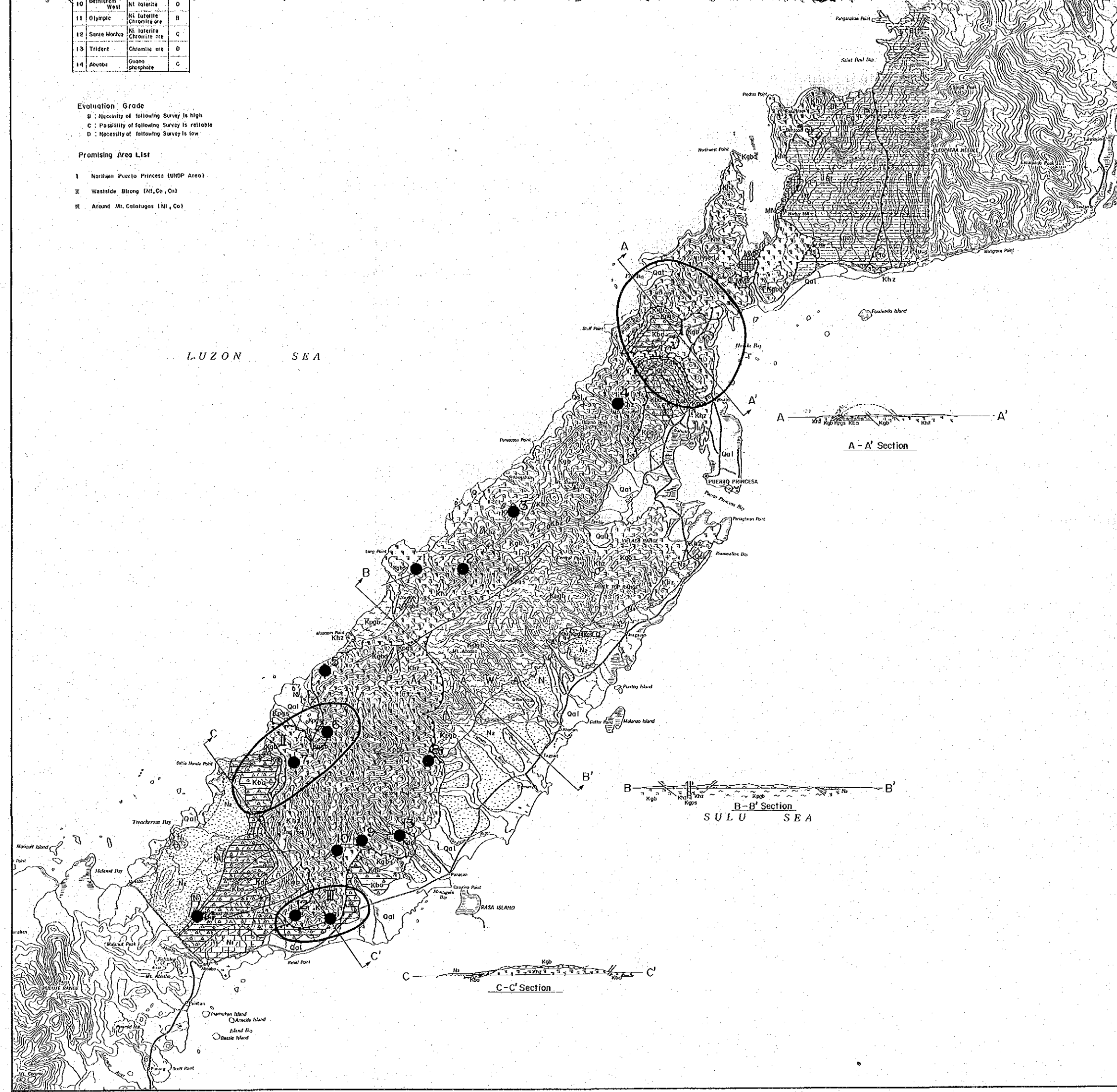
LEGEND

Quaternary	Qal	Alluvial	
Miocene	Nz	Sandstone and Mudstone	
	Nl	Limestone	
EOCENE	Pgl	Pabellion limestone	Bt
			Babuyan River Turbidites
Tertiary	Kgb	Basalt	
	Uy	Diabase	
	Kgb	Gabbro	
	Kgd	Gabbro dyke	
Paleogene	Ktu	Dunite	Sagasa Point Tectonic Complex
	Uc	Horzbergite	
Cretaceous	Kps	Sandstone and Shale ~ Quartz Sericite Schist	
	Kpb	Basalt ~ Green Schist	
	Pfu	Tumalong Semi Schist	
		Fault	
		Thrust	
		Anticline Axis	

10	Bethlehem West	Ni laterite	O
11	Olympic	Ni laterite Chromite ore	B
12	Santa Monica	Ni laterite Chromite ore	C
13	Trident	Chromite ore	D
14	Abasco	Guano phosphate	C

**Evaluation Grade**  
 B : Necessity of following Survey is high  
 C : Possibility of following Survey is reliable  
 D : Necessity of following Survey is low

**Promising Area List**  
 I Northern Puerto Princesa (UNDP Area)  
 II Westside Blrong (NI, Co, Co)  
 III Around Mt. Calatagan (NI, Co)



Scale 1:250,000  
 0 10 20 km

**LEGEND**

Quaternary	Qal	Alluvial	
Miocene	Np	Sandstone and Mudstone	
	Nl	Limestone	
Eocene	Pgl	Pabellion limestone	Bt Babuyan River Turbidites
	Tertiary	Uv	Kpa
Kdb			Diabase
Kgb		Gabbro	
Kgd		Gabbro dyke	
Paleogene & Cretaceous	Uc	Kdu	Dunite
		Koz	Horzbergite
	Kgs	Sandstone and Shale ~Quartz Sericite Schist	
	Kgb	Basalt ~Green Schist	
	Ptu	Tumalong Semi Schist	MMS Sagasa Point Tectonic Complex
		Fault	
		Thrust	
		Anticline Axis	
		Syncline Axis	
	7 ●	Mineral Showing	
	I	Promising Area	



JICA