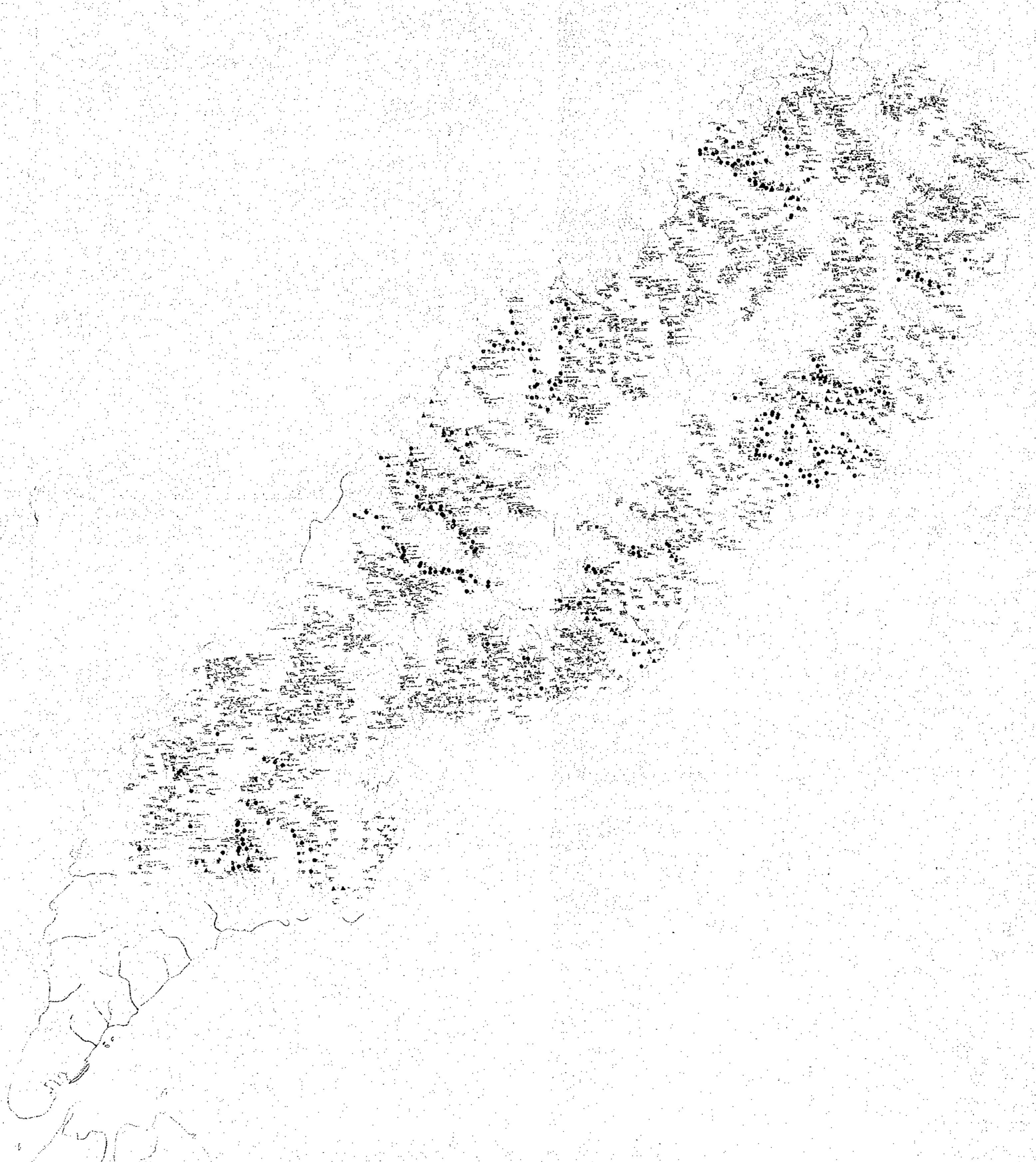
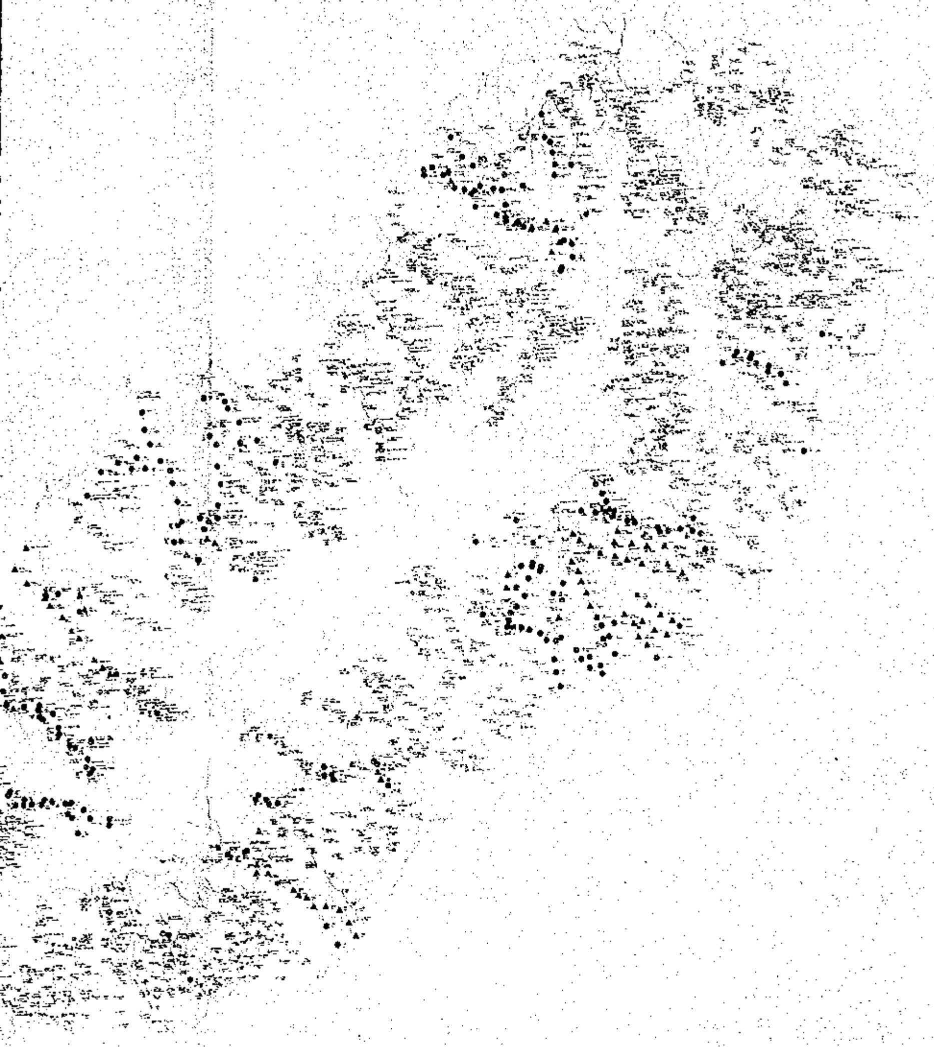


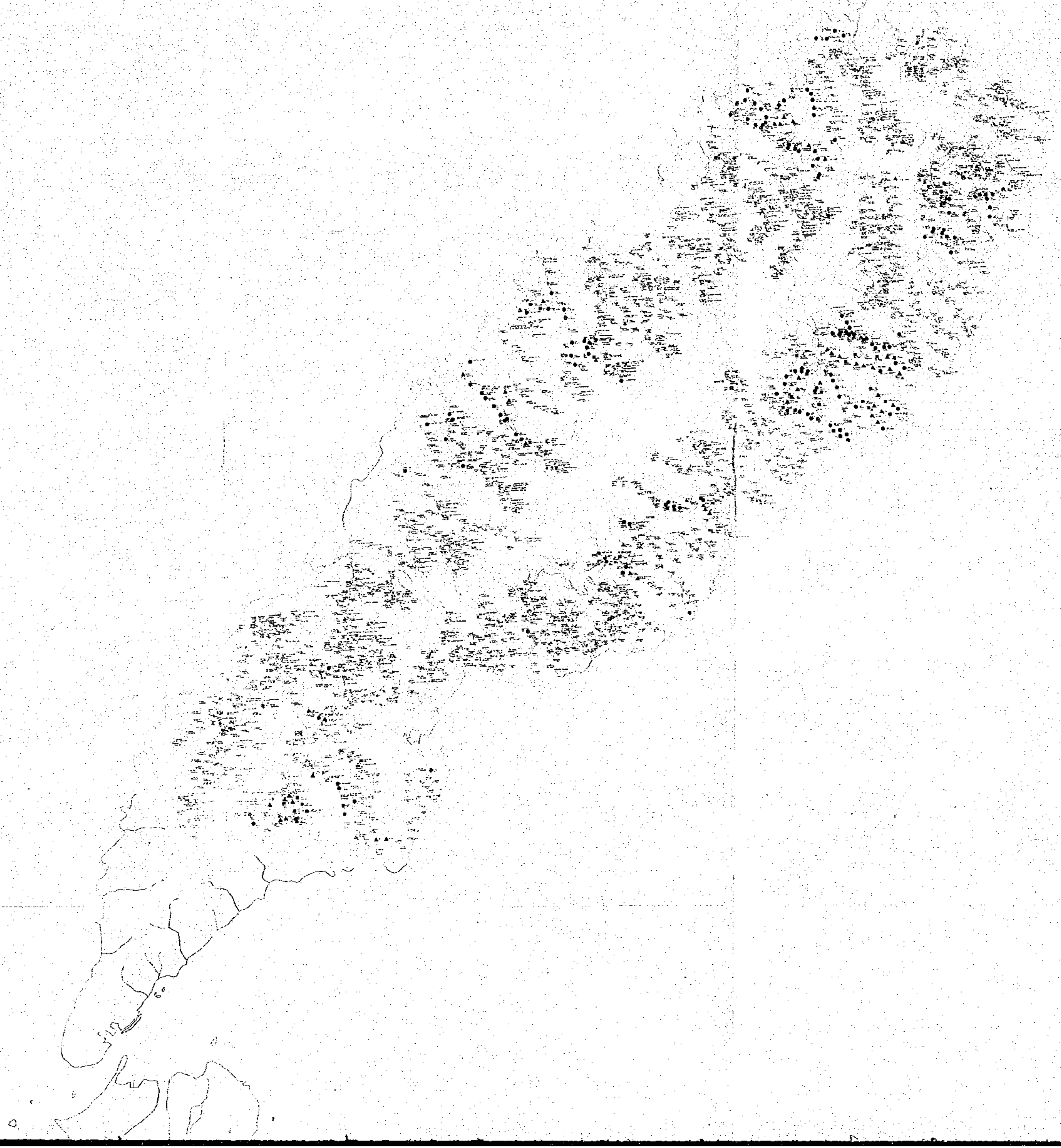
NI

Ni (ppm)	Statistical Cla		
Lithologi-cal Code	No. of Sample	Mean Value	Threshold Value
BC	10	661	1,938.6
K	316	168	779.9
N1	1,080	83	853.8
N2	179	55	845.9
LS	16	406	5,319.0
QT	258	180	1,512.6
GB	14	374	1,995.3
UC	170	1,032	7,765.8



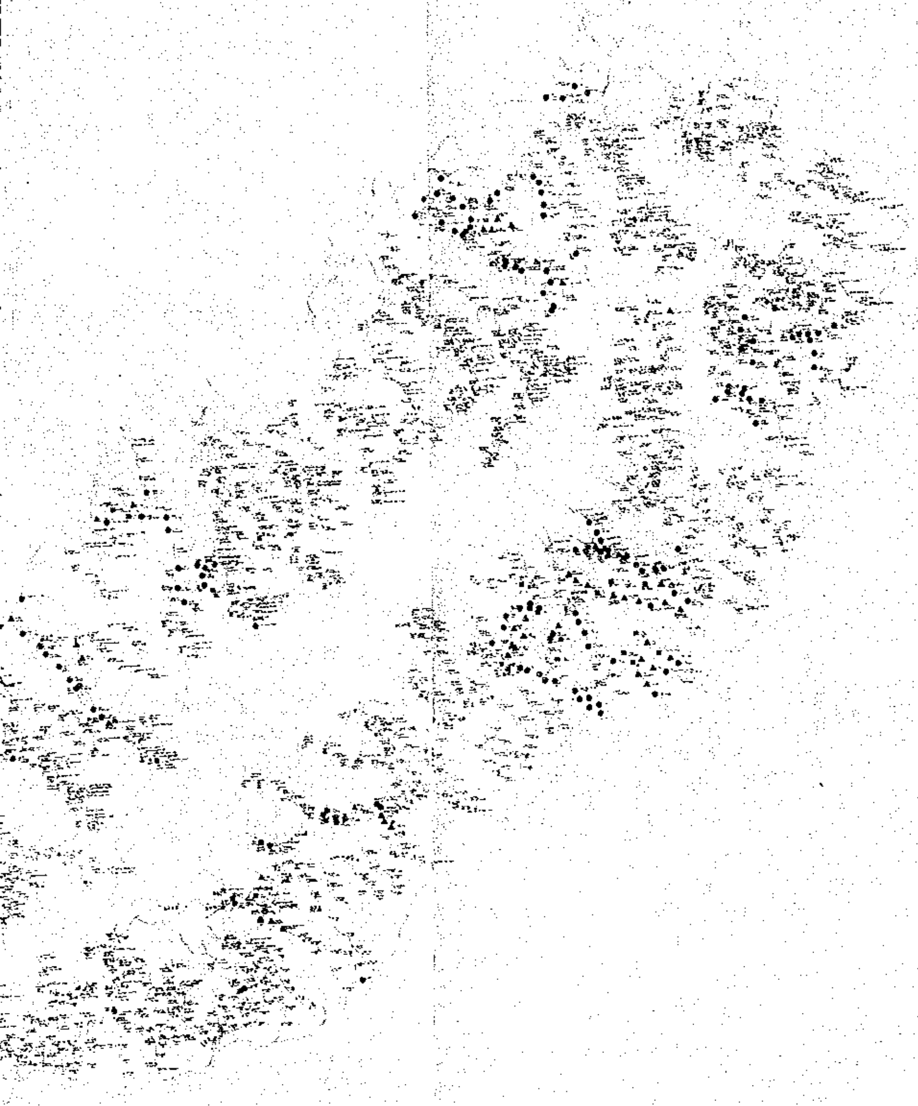
Ni

Ni(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	■
BC	10	661	1,938.6	1,354.3 ~ 1,938.5	1,938.6 ~ 2,774.8	2,774.9 ~
K	316	168	779.9	467.8 ~ 779.8	779.9 ~ 1,300.5	1,300.6 ~
N1	1,080	83	853.8	392.5 ~ 853.7	853.8 ~ 1,857.2	1,857.3 ~
N2	179	55	845.9	339.4 ~ 845.8	845.9 ~ 2,107.9	2,108.0 ~
LS	16	406	5,319.0	2,256.7 ~ 5,318.9	5,319.0 ~ 12,536.6	12,536.7 ~
QT	258	180	1,512.6	743.9 ~ 1,512.5	1,512.6 ~ 3,075.2	3,075.3 ~
GB	14	374	1,995.3	1,142.1 ~ 1,995.2	1,995.3 ~ 3,486.0	3,486.1 ~
UC	170	1,032	7,765.8	3,963.4 ~ 7,765.7	7,765.8 ~ 15,215.8	15,215.9 ~



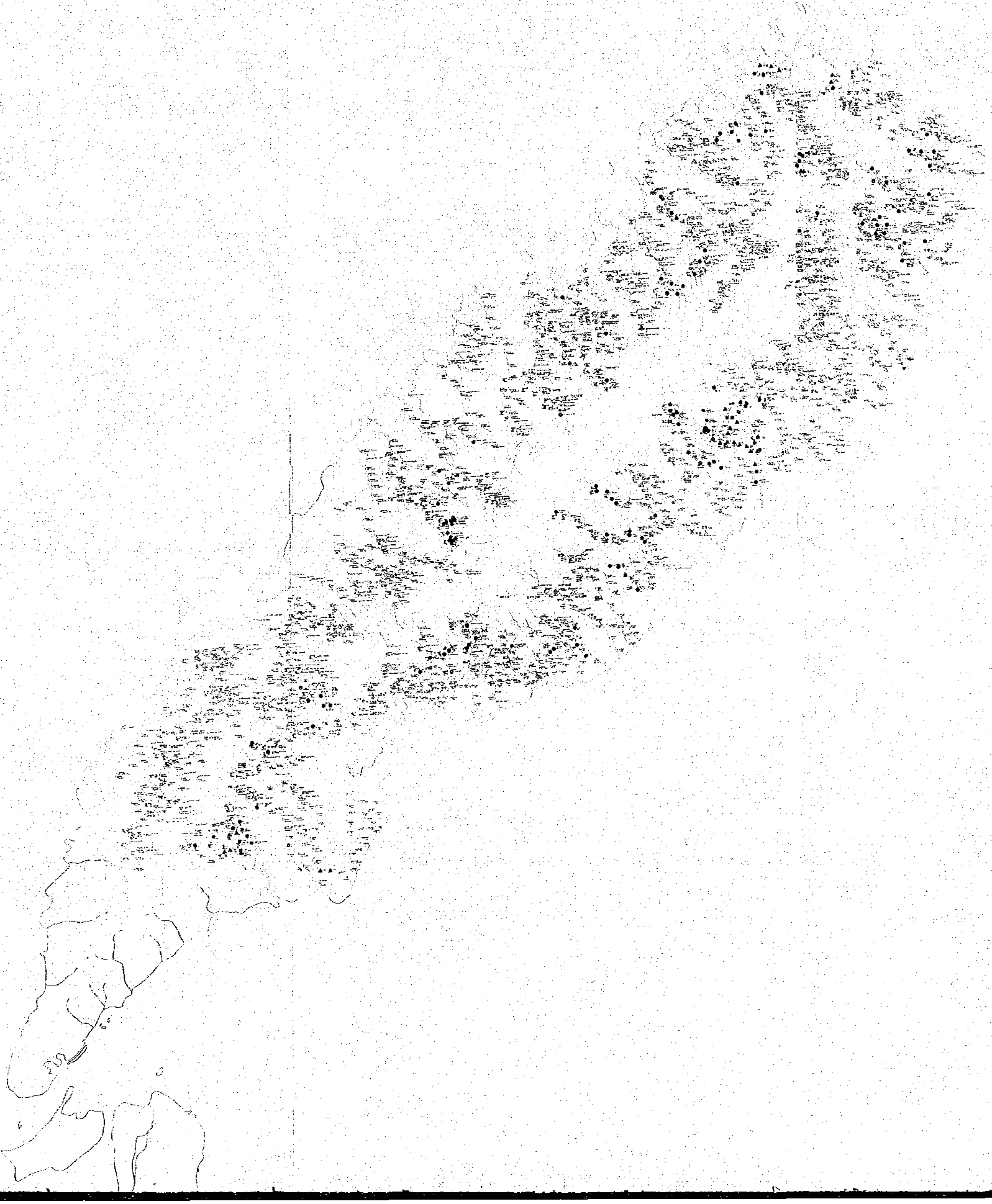
Co

Co(ppm)	Statistical Classification Table				
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly	
				Possibly	Probably
				●	▲
BC	10	53.7	92.2	76.9 ~ 92.1	92.2 ~ 110.3
K	316	34.9	63.9	52.3 ~ 63.8	63.9 ~ 78.2
N1	1,090	17.7	72.6	45.4 ~ 72.5	72.6 ~ 116.0
N2	179	13.5	67.2	39.4 ~ 67.1	67.2 ~ 114.6
LS	16	57.9	344.9	190.3 ~ 344.8	344.9 ~ 625.1
QT	258	32.7	114.5	75.4 ~ 114.4	114.5 ~ 173.8
GB	14	42.7	76.7	63.1 ~ 76.6	76.7 ~ 93.2
UC	170	92.0	472.3	273.8 ~ 472.2	472.3 ~ 814.6



Co

Co(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	■
BC	10	53.7	92.2	76.9 ~ 92.1	92.2 ~ 110.3	110.4 ~
K	316	34.9	63.9	52.3 ~ 63.8	63.9 ~ 78.2	78.3 ~
N1	1,080	17.7	72.6	45.4 ~ 72.5	72.6 ~ 116.0	116.1 ~
N2	179	13.5	67.2	39.4 ~ 67.1	67.2 ~ 114.6	114.7 ~
LS	16	57.9	344.9	190.3 ~ 344.8	344.9 ~ 625.1	625.2 ~
QT	258	32.7	114.5	75.4 ~ 114.4	114.5 ~ 173.8	173.9 ~
GB	14	42.7	76.7	63.1 ~ 76.6	76.7 ~ 93.2	93.3 ~
UC	170	92.0	472.3	273.8 ~ 472.2	472.3 ~ 814.6	814.7 ~



Zn

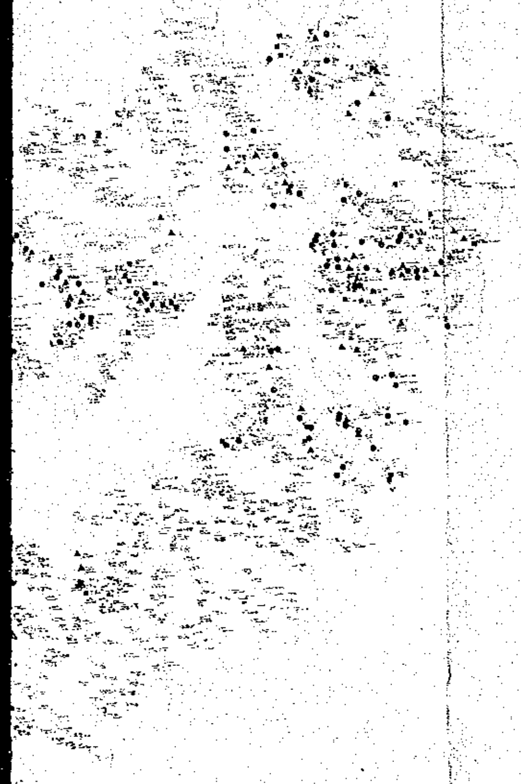
Zn(ppm)	Statistical Classification Tabl				
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomal	
				Possibly	Probabl
				●	▲
BC	10	61.7	95.9	82.8 ~ 95.8	95.9 ~ 111.
K	316	65.2	104.3	89.2 ~ 104.2	104.3 ~ 121.
N1	1,080	47.0	103.6	79.6 ~ 103.5	103.6 ~ 134.
N2	179	33.3	107.7	72.8 ~ 107.6	107.7 ~ 159.
LS	16	33.2	97.9	68.3 ~ 97.8	97.9 ~ 140.
QT	258	49.4	98.5	78.2 ~ 98.4	98.5 ~ 123.
GB	14	47.4	79.9	67.2 ~ 79.8	79.9 ~ 95.
UC	170	55.2	129.5	97.4 ~ 129.4	129.5 ~ 172.

Zn

Zn (ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	■
BC	10	61.7	95.9	82.8 ~ 95.8	95.9 ~ 111.0	111.1 ~
K	316	65.2	104.3	89.2 ~ 104.2	104.3 ~ 121.9	122.0 ~
N1	1,080	47.0	103.6	79.6 ~ 103.5	103.6 ~ 134.8	134.9 ~
N2	179	33.3	107.7	72.8 ~ 107.6	107.7 ~ 159.1	159.2 ~
LS	16	33.2	97.9	68.3 ~ 97.8	97.9 ~ 140.1	140.2 ~
QT	258	49.4	98.5	78.2 ~ 98.4	98.5 ~ 123.8	123.9 ~
GB	14	47.4	79.9	67.2 ~ 79.8	79.9 ~ 95.1	95.2 ~
UC	170	55.2	129.5	97.4 ~ 129.4	129.5 ~ 172.0	172.1 ~

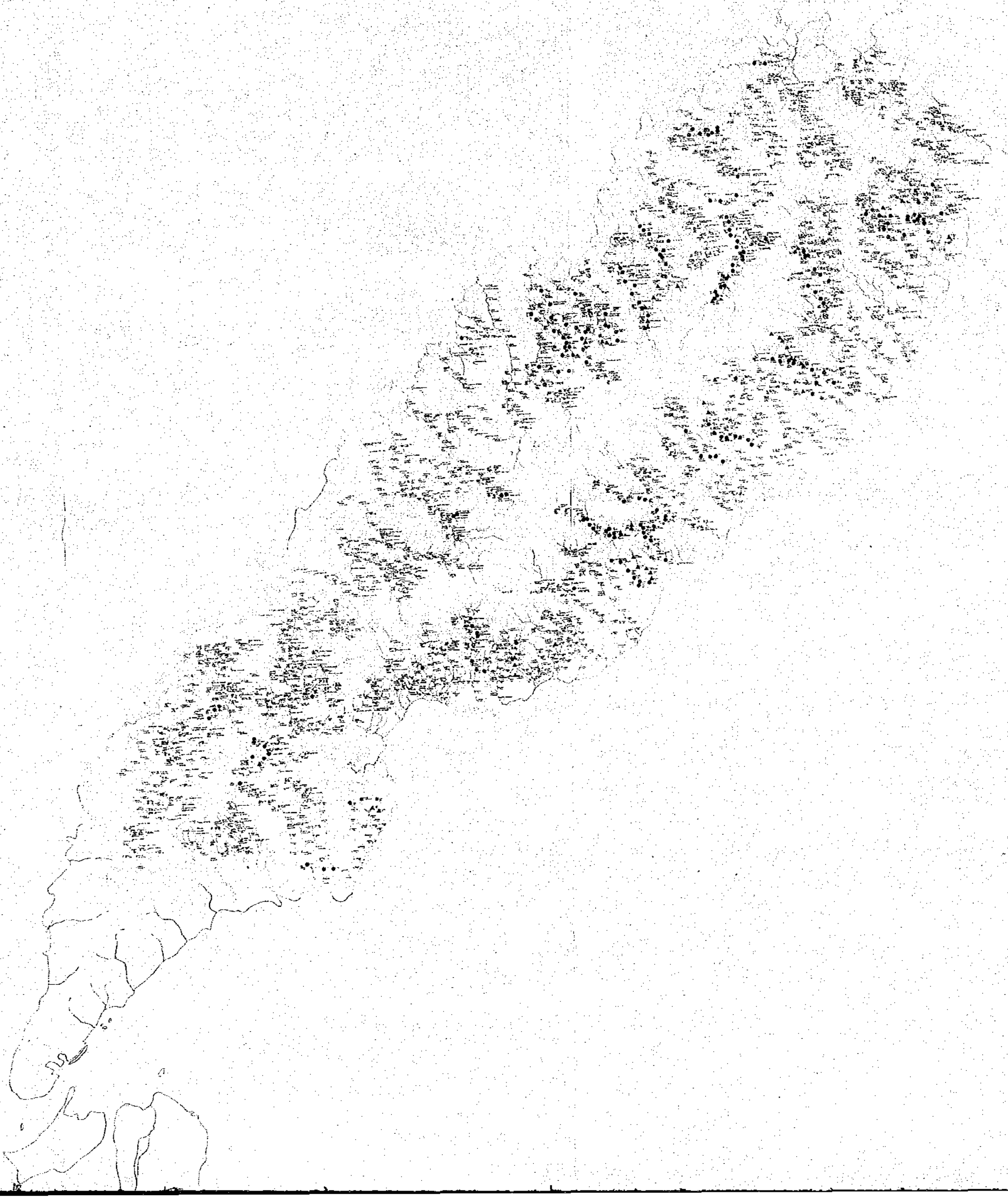
Pb

Pb (ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	■
BC	10	5.0	5.10	5.1 ~		5.1 ~
K	316	5.8	10.3	8.5 ~ 10.2	10.3 ~ 12.4	12.5 ~
N1	1,080	8.2	19.2	14.5 ~ 19.1	19.2 ~ 25.5	25.6 ~
N2	179	6.6	13.8	10.8 ~ 13.7	13.8 ~ 17.6	17.7 ~
LS	16	5.6	8.9	7.7 ~ 8.8	8.9 ~ 10.4	10.5 ~
QT	258	5.4	8.4	7.3 ~ 8.3	8.4 ~ 9.7	9.8 ~
GB	14	5.0	5.1	5.1 ~		5.1 ~
UC	170	5.4	8.1	7.1 ~ 8.0	8.1 ~ 9.1	9.2 ~



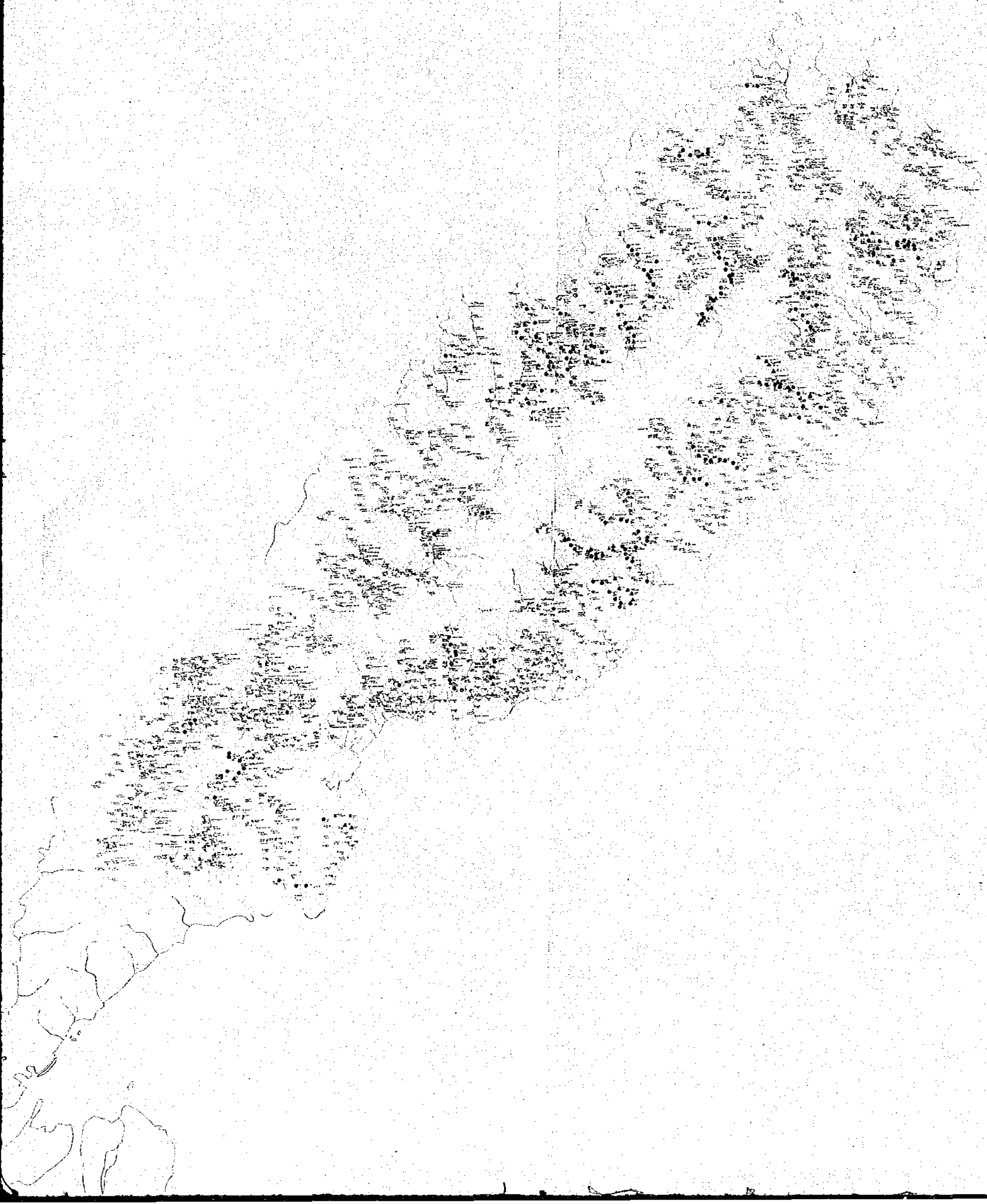
Pb

Pb(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly ●	Probably ▲	Highly ●
BC	10	5.0	5.10	5.1 ~		5.1 ~
K	316	5.8	10.3	8.5 ~ 10.2	10.3 ~ 12.4	12.5 ~
N1	1,060	8.2	19.2	14.5 ~ 19.1	19.2 ~ 25.5	25.6 ~
N2	179	6.6	13.8	10.8 ~ 13.7	13.8 ~ 17.6	17.7 ~
LS	16	5.6	8.9	7.7 ~ 8.8	8.9 ~ 10.4	10.5 ~
QT	258	5.4	8.4	7.3 ~ 8.3	8.4 ~ 9.7	9.8 ~
GB	14	5.0	5.1	5.1 ~		5.1 ~
UC	170	5.4	8.1	7.1 ~ 8.0	8.1 ~ 9.1	9.2 ~



Cu

Cu(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly ●	Probably ▲	Highly ●
BC	10	40.1	54.3	49.1 ~ 54.2	54.3 ~ 60.0	60.1 ~
K	316	40.0	74.1	60.3 ~ 74.0	74.1 ~ 91.0	91.1 ~
N1	1,060	20.6	68.9	46.1 ~ 68.8	68.9 ~ 103.0	103.1 ~
N2	179	12.2	59.6	35.1 ~ 59.5	59.6 ~ 101.0	101.1 ~
LS	16	17.3	51.6	35.9 ~ 51.5	51.6 ~ 74.1	74.2 ~
QT	258	27.5	69.9	51.2 ~ 69.8	69.9 ~ 95.3	95.4 ~
GB	14	43.6	103.4	77.6 ~ 103.3	103.4 ~ 137.8	137.9 ~
UC	170	27.4	89.1	60.1 ~ 89.0	89.1 ~ 132.0	132.1 ~



Cu

Cu(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	●
BG	110	40.1	84.3	49.1 ~ 54.2	54.3 ~ 60.0	60.1 ~
K	316	40.0	74.1	60.3 ~ 74.0	74.1 ~ 91.0	91.1 ~
N1	1,080	20.6	68.9	46.1 ~ 68.8	68.9 ~ 103.0	103.1 ~
N2	179	12.2	59.6	35.1 ~ 59.5	59.6 ~ 101.0	101.1 ~
LS	16	17.3	51.6	35.9 ~ 51.5	51.6 ~ 74.1	74.2 ~
QT	258	27.6	69.9	51.2 ~ 69.8	69.9 ~ 95.3	95.4 ~
GB	14	43.6	103.4	77.6 ~ 103.3	103.4 ~ 137.8	137.9 ~
UC	170	27.4	89.1	60.1 ~ 89.0	89.1 ~ 132.0	132.1 ~

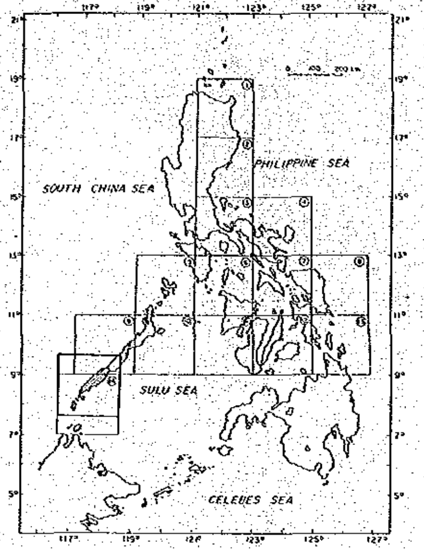
N

PL. 7-1

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

DISTRIBUTION GEOCHEMICAL ANOMALIES OF STREAM SEDIMENT SAMPLES(UNIVARIATE ANALYSIS)

PALAWAN Ⅵ (QUEZON-RIO TUBA) AREA

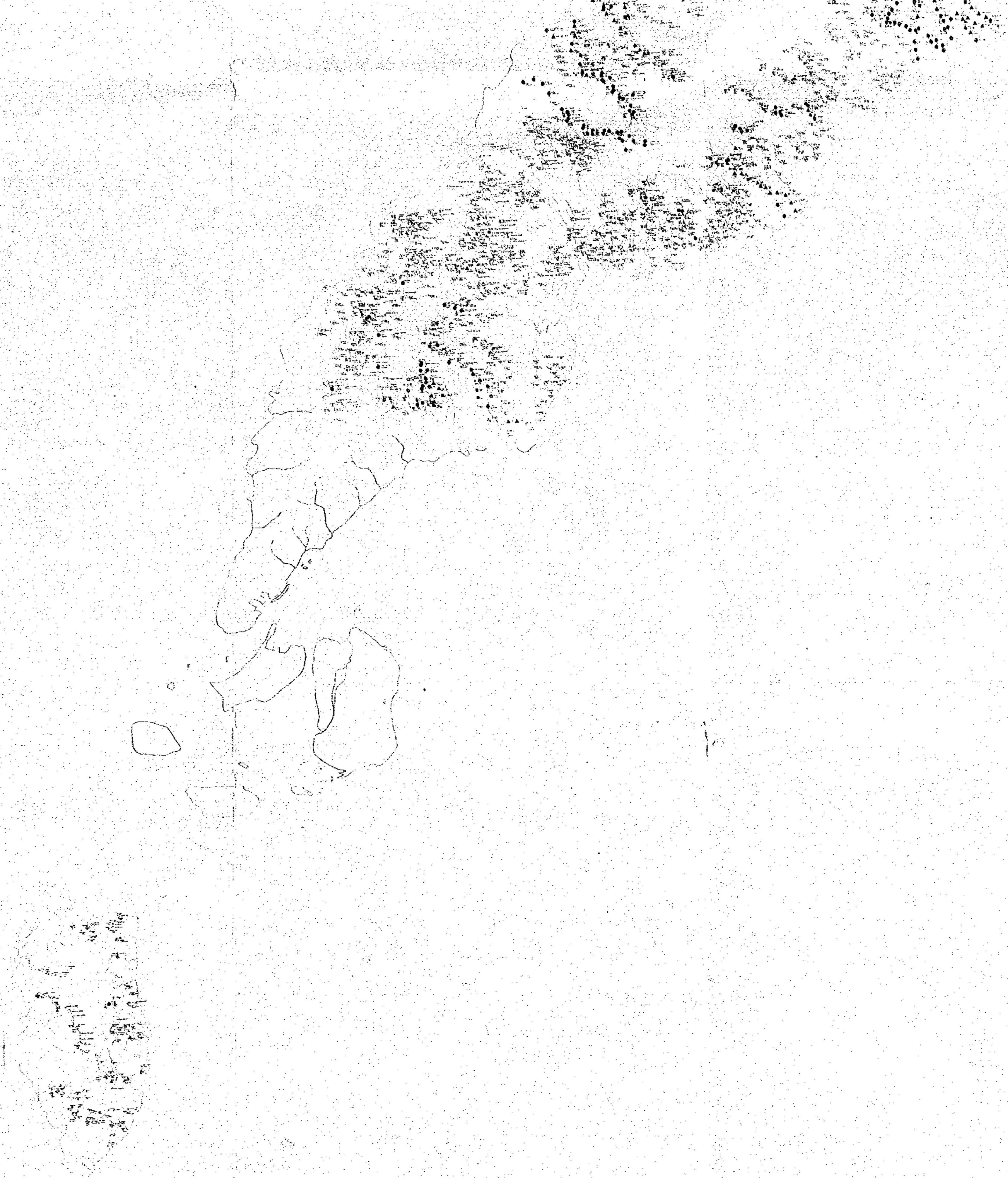


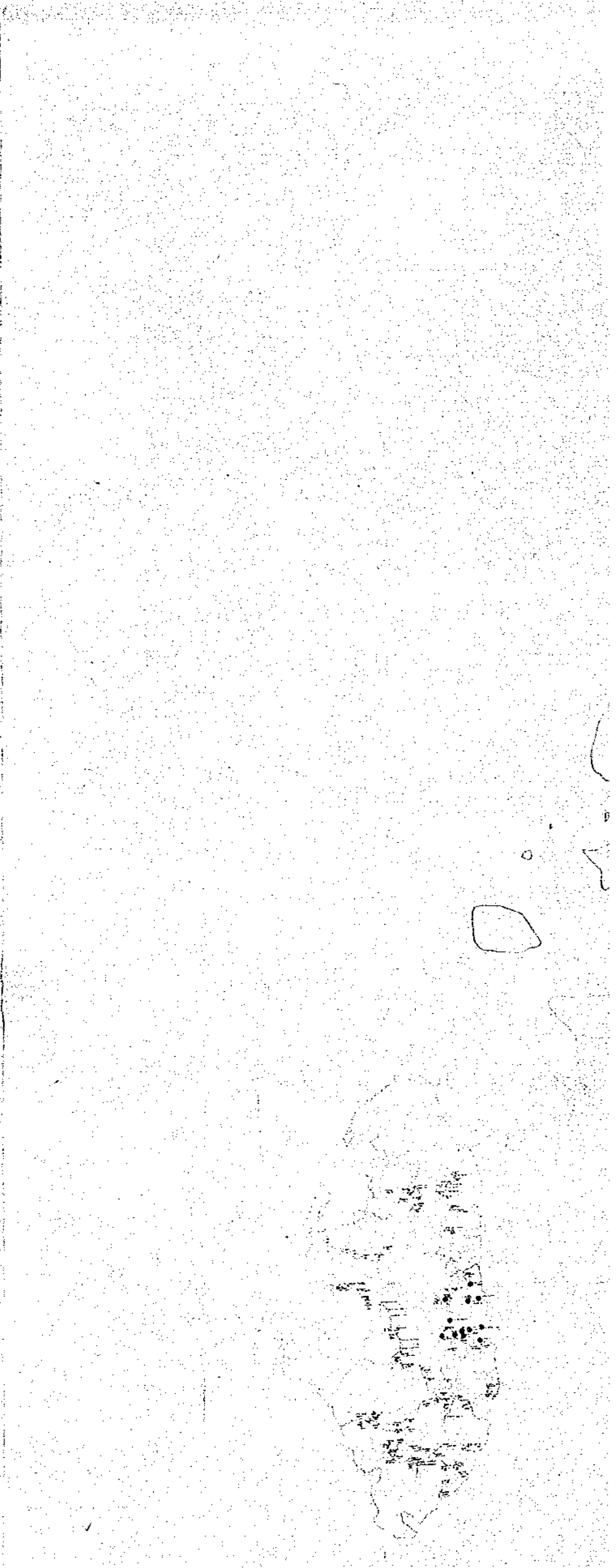
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Mar. 1988

Scale 1 : 250,000

0 10 20 km





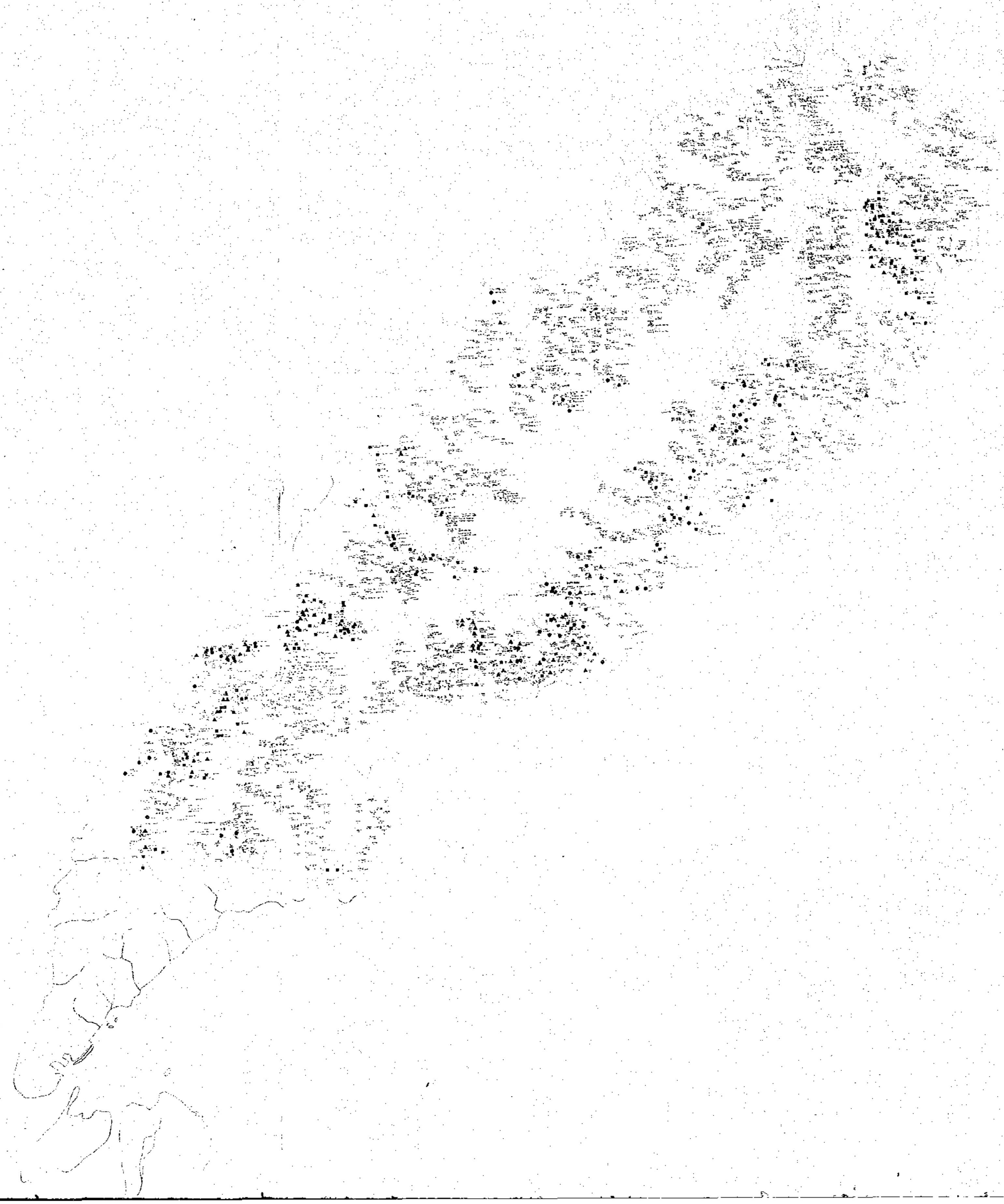
Scale 1 : 250,000

Cr

Cr(ppm)	Statistical Classification			
Lithological Code	No. of Sample	Mean Value	Threshold Value	Possibly ●
BC	10	7,517	21,999	15,379 ~ 21,998
K	316	1,283	12,725	5,922 ~ 12,724
N1	1,080	665	25,380	8,228 ~ 25,379
N2	179	973	26,653	8,843 ~ 26,652
LS	16	14,387	137,985	64,945 ~ 137,984
QT	258	2,565	98,410	86,115 ~ 98,409
GB	14	4,673	30,206	16,215 ~ 10,205
UC	170	14 208	100,860	88,290 ~ 100,859

Cr

Cr(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	■
BC	10	7,517	21,999	15,379 ~ 21,998	21,999 ~ 31,466	31,467 ~
K	316	1,283	12,725	5,922 ~ 12,724	12,725 ~ 27,343	27,344 ~
N1	1,080	865	25,380	8,228 ~ 25,379	25,380 ~ 78,289	78,290 ~
N2	179	973	26,653	8,843 ~ 26,652	26,653 ~ 80,329	80,330 ~
LS	16	14,387	137,985	64,945 ~ 137,984	137,985 ~ 293,169	293,170 ~
QT	258	2,565	98,410	86,115 ~ 98,409	98,410 ~ 110,704	110,705 ~
GB	14	4,673	30,206	16,215 ~ 10,205	30,206 ~ 56,267	56,268 ~
UC	170	14 208	1 00,860	88,290 ~ 100,859	1 00,860 ~ 113,429	113,430 ~



Hg

Hg(ppb)	Statistical Classificatio			
Lithological Code	No. of Sample	Mean Value	Threshold Value	Possibly
				●
BC	10	28	63.3	48.2 ~ 63.2
K	316	64	743.5	327.9 ~ 743.4
N1	1,090	51	483.8	228.4 ~ 483.7
N2	179	66	700.6	319.3 ~ 700.5
LS	16	24	45.8	36.7 ~ 45.7
QT	258	43	230.3	131.7 ~ 230.2
GB	14	20	20.1	20.1 ~
UC	170	39	187.9	111.3 ~ 187.8

Hg

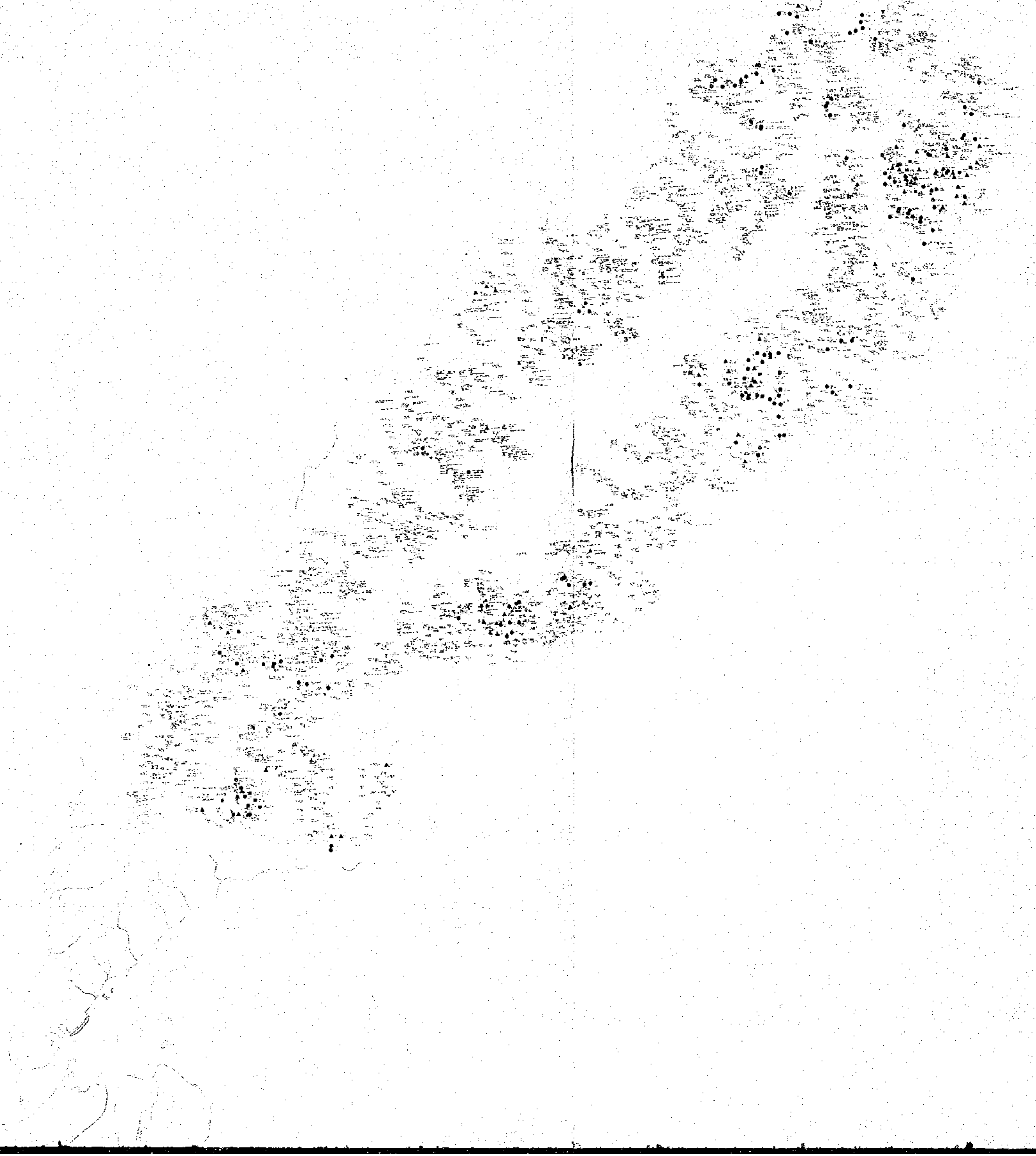
Hg(ppb)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	•
BC	10	28	63.3	48.2 ~ 63.2	63.3 ~ 83.0	83.1 ~
K	316	64	743.5	327.9 ~ 743.4	743.5 ~ 1,685.2	1,685.3 ~
N1	1,080	51	483.8	228.4 ~ 483.7	483.8 ~ 1,024.8	1,024.9 ~
N2	179	66	700.6	319.3 ~ 700.5	700.6 ~ 1,537.5	1,537.6 ~
LS	16	24	45.8	36.7 ~ 45.7	45.8 ~ 57.2	57.3 ~
QT	258	43	230.3	131.7 ~ 230.2	230.3 ~ 402.7	402.8 ~
GB	14	20	20.1	20.1 ~		
UC	170	39	187.9	111.3 ~ 187.8	187.9 ~ 317.2	317.3 ~

As

As(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	•
BC	10	1.1	3.20	2.26 ~ 3.19	3.20 ~ 4.53	4.54 ~
K	316	1.5	5.86	3.68 ~ 5.85	5.86 ~ 9.32	9.33 ~
N1	1,080	2.0	8.32	5.18 ~ 8.31	8.32 ~ 13.36	13.37 ~
N2	179	1.6	6.78	4.36 ~ 6.77	6.78 ~ 10.53	10.54 ~
LS	16	1.4	12.10	5.89 ~ 12.09	12.10 ~ 24.85	24.86 ~
QT	258	1.2	5.37	3.26 ~ 5.36	5.37 ~ 8.83	8.84 ~
GB	14	0.7	3.23	1.94 ~ 3.22	3.23 ~ 5.35	5.36 ~
UC	170	0.8	3.44	2.08 ~ 3.43	3.44 ~ 5.68	5.69 ~

As

As(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				●	▲	■
BC	10	1.1	3.20	2.26 ~ 3.19	3.20 ~ 4.53	4.54 ~
K	316	1.5	5.86	3.68 ~ 5.85	5.86 ~ 9.32	9.33 ~
N1	1,080	2.0	8.32	5.16 ~ 8.31	8.32 ~ 13.36	13.37 ~
N2	179	1.8	6.78	4.36 ~ 6.77	6.78 ~ 10.53	10.54 ~
LS	16	1.4	12.10	5.89 ~ 12.09	12.10 ~ 24.85	24.86 ~
QT	258	1.2	5.37	3.26 ~ 5.36	5.37 ~ 8.83	8.84 ~
GB	14	0.7	3.23	1.94 ~ 3.22	3.23 ~ 5.35	5.36 ~
UC	170	0.8	3.44	2.08 ~ 3.43	3.44 ~ 5.68	5.69 ~



Mn

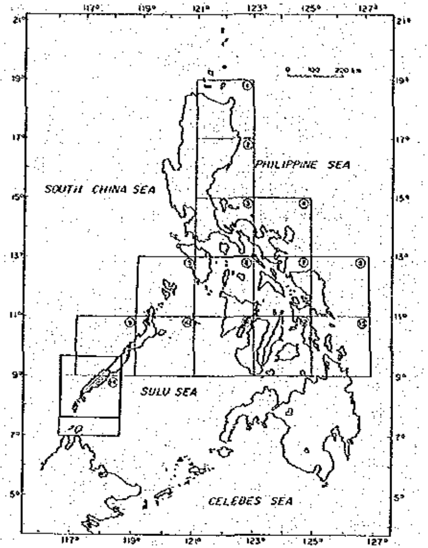
Mn(ppm)	Statistical Classification Table					
Lithological Code	No. of Sample	Mean Value	Threshold Value	Anomaly		
				Possibly	Probably	Highly
				■	▲	●
BC	10	791	1,258.5	1,078.0 ~ 1,258.4	1,258.5 ~ 1,469.0	1,469.1 ~
K	316	954	1,922.9	1,521.9 ~ 1,922.8	1,922.9 ~ 2,429.4	2,429.5 ~
N1	1,080	556	1,809.6	1,221.3 ~ 1,809.5	1,809.6 ~ 2,681.3	2,681.4 ~
N2	179	368	1,858.4	1,082.6 ~ 1,858.3	1,858.4 ~ 3,189.3	3,189.4 ~
LS	16	836	2,175.6	1,581.5 ~ 2,175.5	2,175.6 ~ 2,992.8	2,992.9 ~
QT	258	738	2,236.7	1,545.2 ~ 2,236.6	2,236.7 ~ 3,237.4	3,237.5 ~
GB	14	733	1,462.7	1,161.9 ~ 1,462.6	1,462.7 ~ 1,841.2	1,841.3 ~
UC	170	1,000	3,407.7	2,264.4 ~ 3,407.6	3,407.7 ~ 5,128.0	5,128.1 ~

PL. 7-2

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

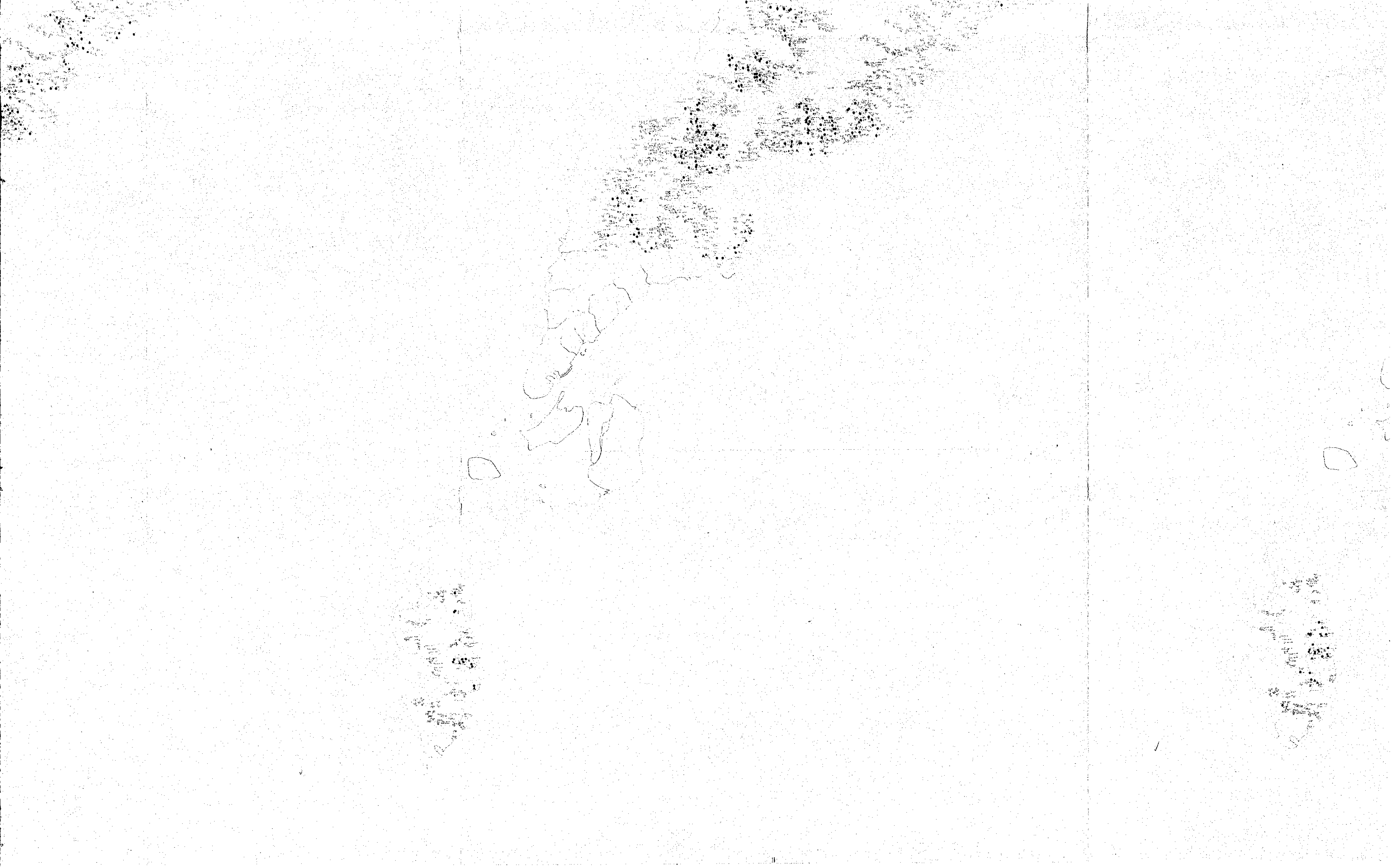
DISTRIBUTION GEOCHEMICAL ANOMALIES OF STREAM SEDIMENT SAMPLES(UNIVARIATE ANALYSIS)

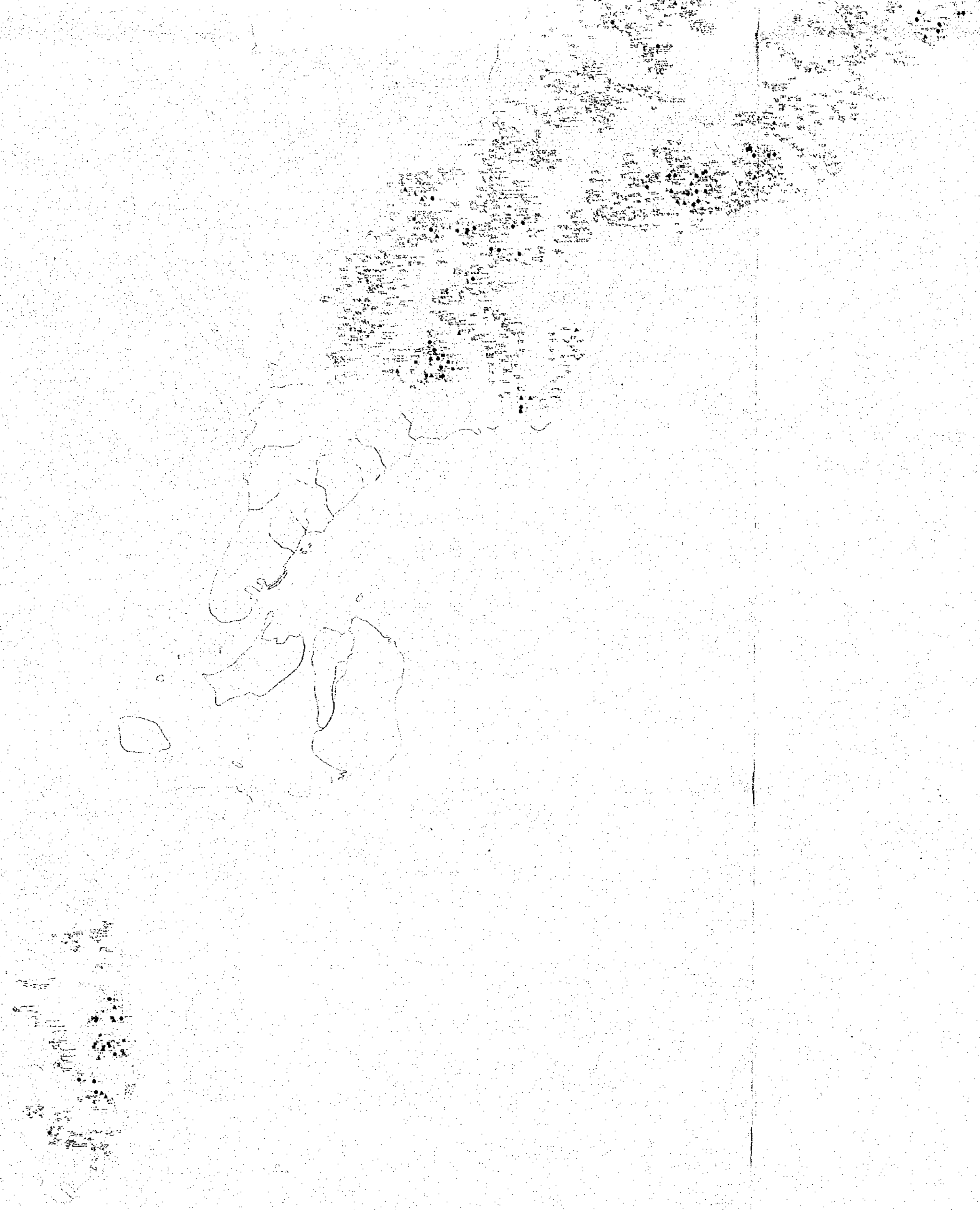
PALAWAN VI (QUEZON-RIO TUBA) AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
Mar. 1988

Scale 1 : 250,000
0 10 20 km






Scale 1 : 250,000
0
10
20 km