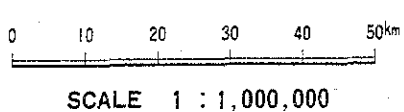


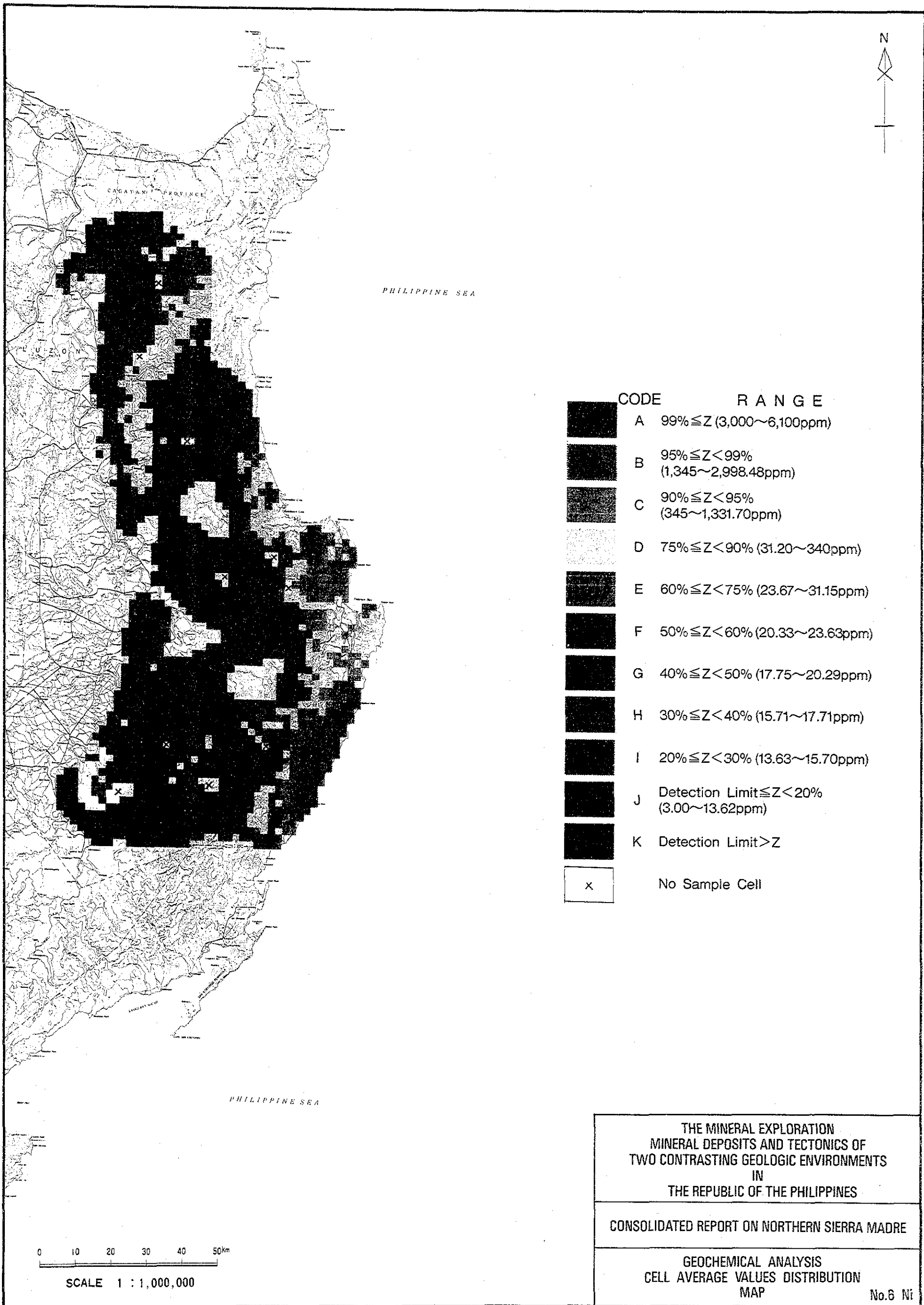
CODE	RANGE
A	$99\% \leq Z < 99\%$ (3,250~33,575ppm)
B	$95\% \leq Z < 99\%$ (1,990~3,200ppm)
C	$90\% \leq Z < 95\%$ (1,707.5~1,988.9ppm)
D	$75\% \leq Z < 90\%$ (1,350~1,705ppm)
E	$60\% \leq Z < 75\%$ (1,185~1,350ppm)
F	$50\% \leq Z < 60\%$ (1,085~1,184.5ppm)
G	$40\% \leq Z < 50\%$ (990~1,084.3ppm)
H	$30\% \leq Z < 40\%$ (907.5~989.9ppm)
I	$20\% \leq Z < 30\%$ (810~905.2ppm)
J	Detection Limit $\leq Z < 20\%$ (290~807.3ppm)
K	Detection Limit $> Z$
x	No Sample Cell



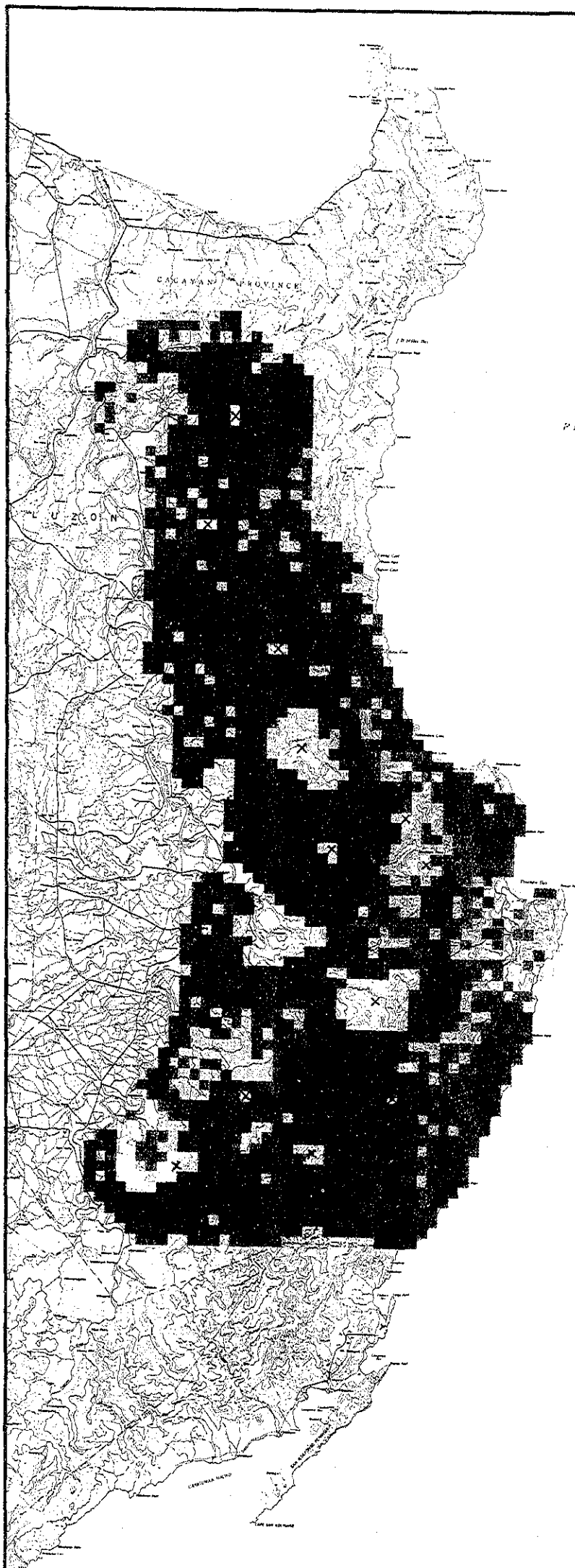
THE MINERAL EXPLORATION  
 MINERAL DEPOSITS AND TECTONICS OF  
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 IN  
 THE REPUBLIC OF THE PHILIPPINES  
 CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE  
 GEOCHEMICAL ANALYSIS  
 CELL AVERAGE VALUES DISTRIBUTION  
 MAP

No.5 Mn

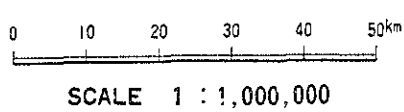








CODE	RANGE
A	99% ≤ Z (216.85~461.00ppm)
B	95% ≤ Z < 99% (92.50~216.80ppm)
C	90% ≤ Z < 95% (47.51~92.18ppm)
D	75% ≤ Z < 90% (32.50~47.50ppm)
E	60% ≤ Z < 75% (27.73~32.47ppm)
F	50% ≤ Z < 60% (25.75~27.67ppm)
G	40% ≤ Z < 50% (23.73~25.73ppm)
H	30% ≤ Z < 40% (21.33~23.72ppm)
I	20% ≤ Z < 30% (18.60~21.29ppm)
J	Detection Limit ≤ Z < 20% (4.00~8.50ppm)
K	Detection Limit > Z
x	No Sample Cell



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 MAP

No.7 Co



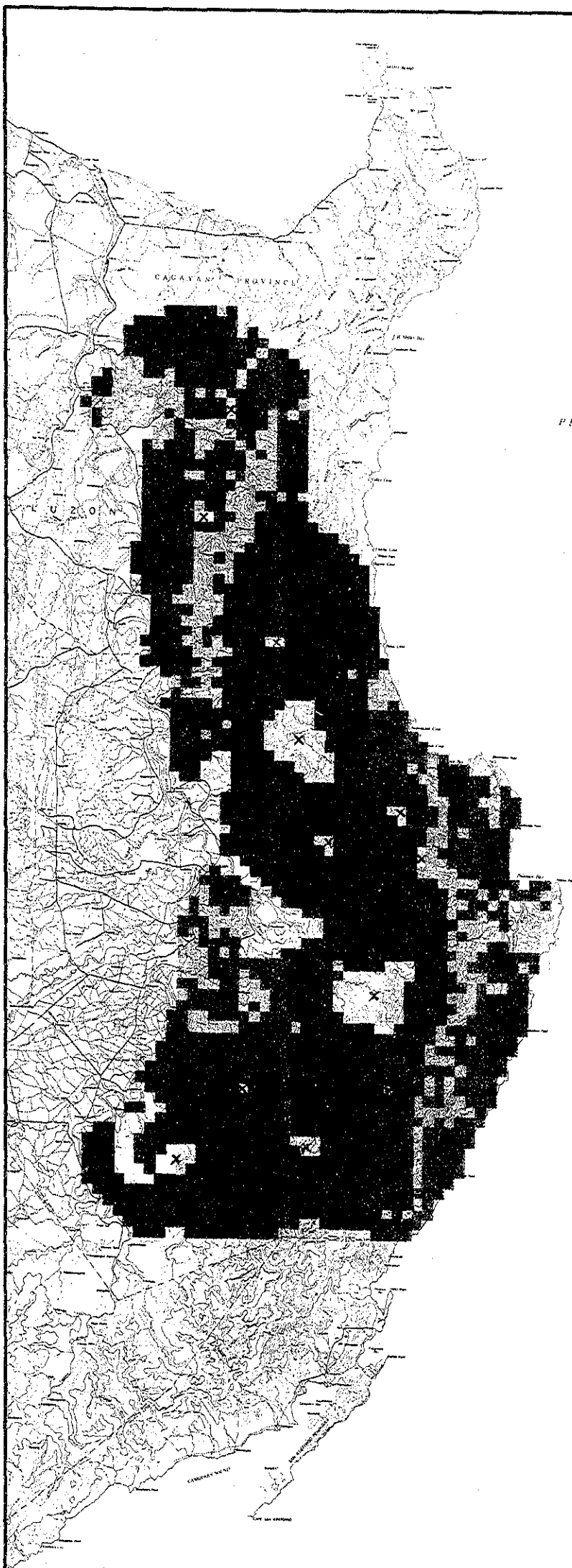












CODE	RANGE
A	99% $\leq$ Z (63.000~149.000ppm)
B	95% $\leq$ Z < 99% (22,738.34~62,750.00ppm)
C	90% $\leq$ Z < 95% (9,050.00~22,721.41ppm)
D	75% $\leq$ Z < 90% (765.00~8,911.27ppm)
E	60% $\leq$ Z < 75% (280.19~763.33ppm)
F	50% $\leq$ Z < 60% (183.33~280.00ppm)
G	40% $\leq$ Z < 50% (126.14~183.06ppm)
H	30% $\leq$ Z < 40% (100.00~125.00ppm)
I	20% $\leq$ Z < 30% —
K	Detection Limit $\leq$ Z < 20% —
K	Detection Limit > Z (50.00~99.03ppm)
x	No Sample Cell

PHILIPPINE SEA

0 10 20 30 40 50km

SCALE 1 : 1,000,000

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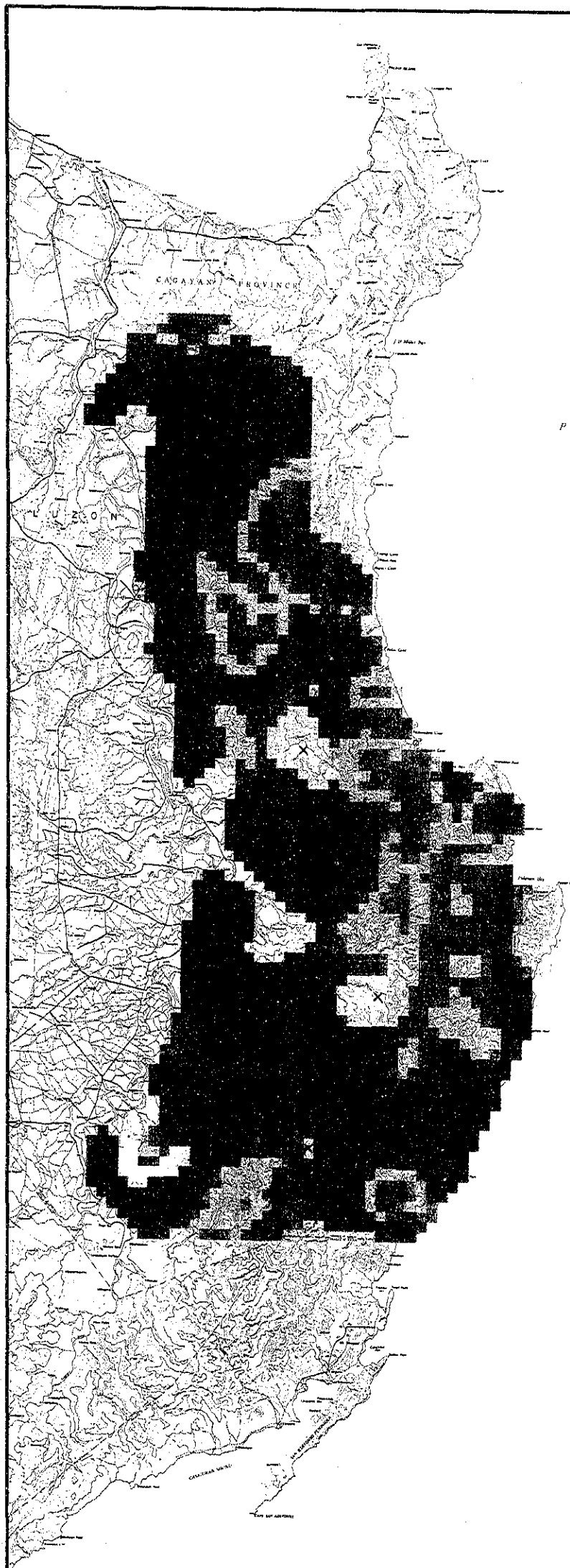
GEOCHEMICAL ANALYSIS  
CELL AVERAGE VALUES DISTRIBUTION  
MAP

No.10 Cr



PL-2-2 (No. 1 to No. 10) Geochemical Analysis Moving Average Values  
Distribution Map (1:1,000,000)





CODE	RANGE
A	99% ≤ Z (120.65~164.99ppm)
B	95% ≤ Z < 99% (84.67~120.62ppm)
C	90% ≤ Z < 95% (69.06~84.53ppm)
D	75% ≤ Z < 90% (50.90~68.98ppm)
E	60% ≤ Z < 75% (43.32~50.85ppm)
F	50% ≤ Z < 60% (38.63~43.31ppm)
G	40% ≤ Z < 50% (35.04~38.56ppm)
H	30% ≤ Z < 40% (32.03~35.01ppm)
I	20% ≤ Z < 30% (29.76~32.02ppm)
J	Detection Limit ≤ Z < 20% (14.88~29.75ppm)
K	Detection Limit > Z
x	No Sample Cell

0 10 20 30 40 50km  
SCALE 1 : 1,000,000

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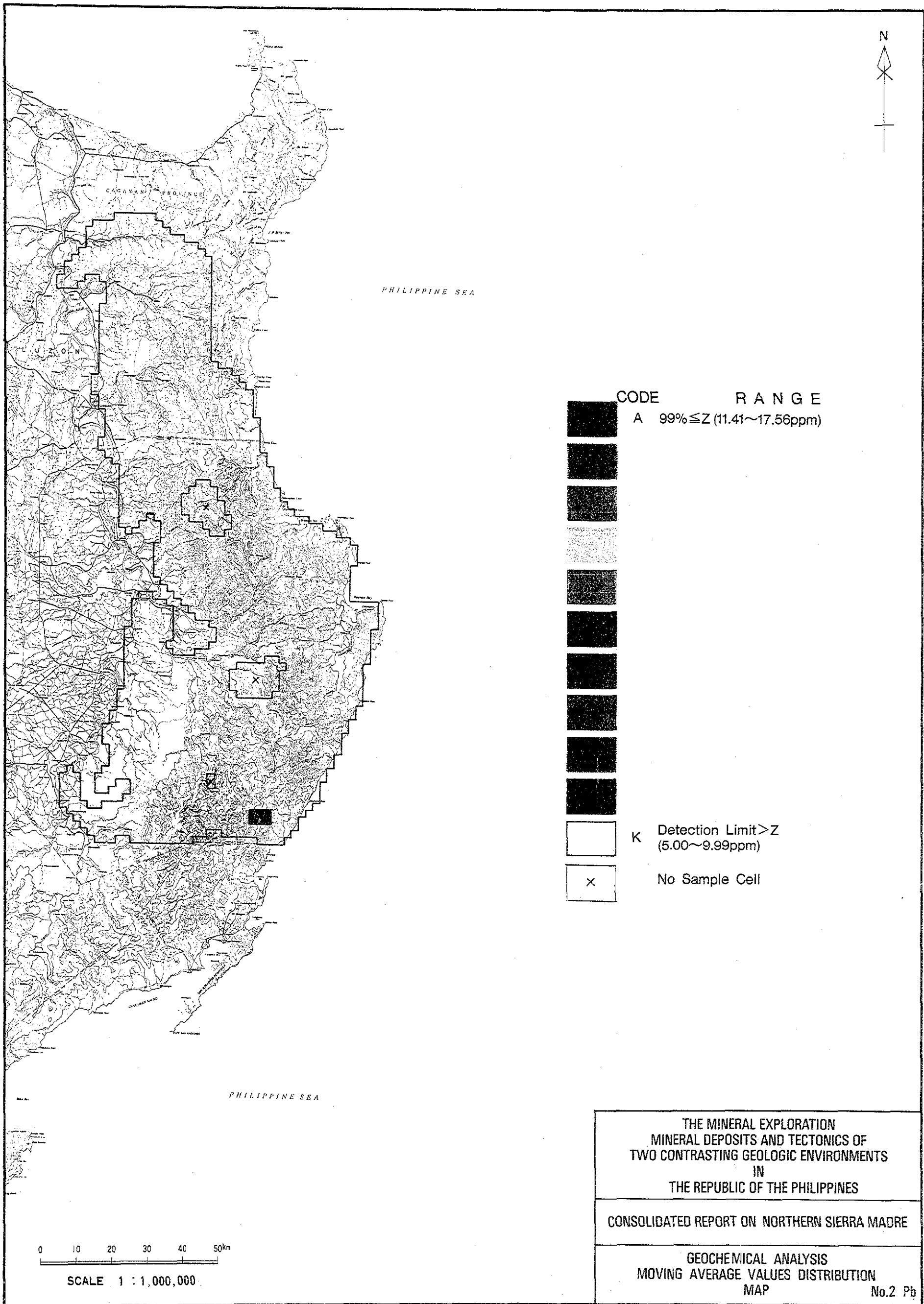
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GEOCHEMICAL ANALYSIS  
MOVING AVERAGE VALUES DISTRIBUTION  
MAP

No.1 Cu







CODE            R A N G E  
 A     $99\% \leq Z$  (11.41~17.56ppm)



K    Detection Limit  $> Z$   
 (5.00~9.99ppm)

x    No Sample Cell

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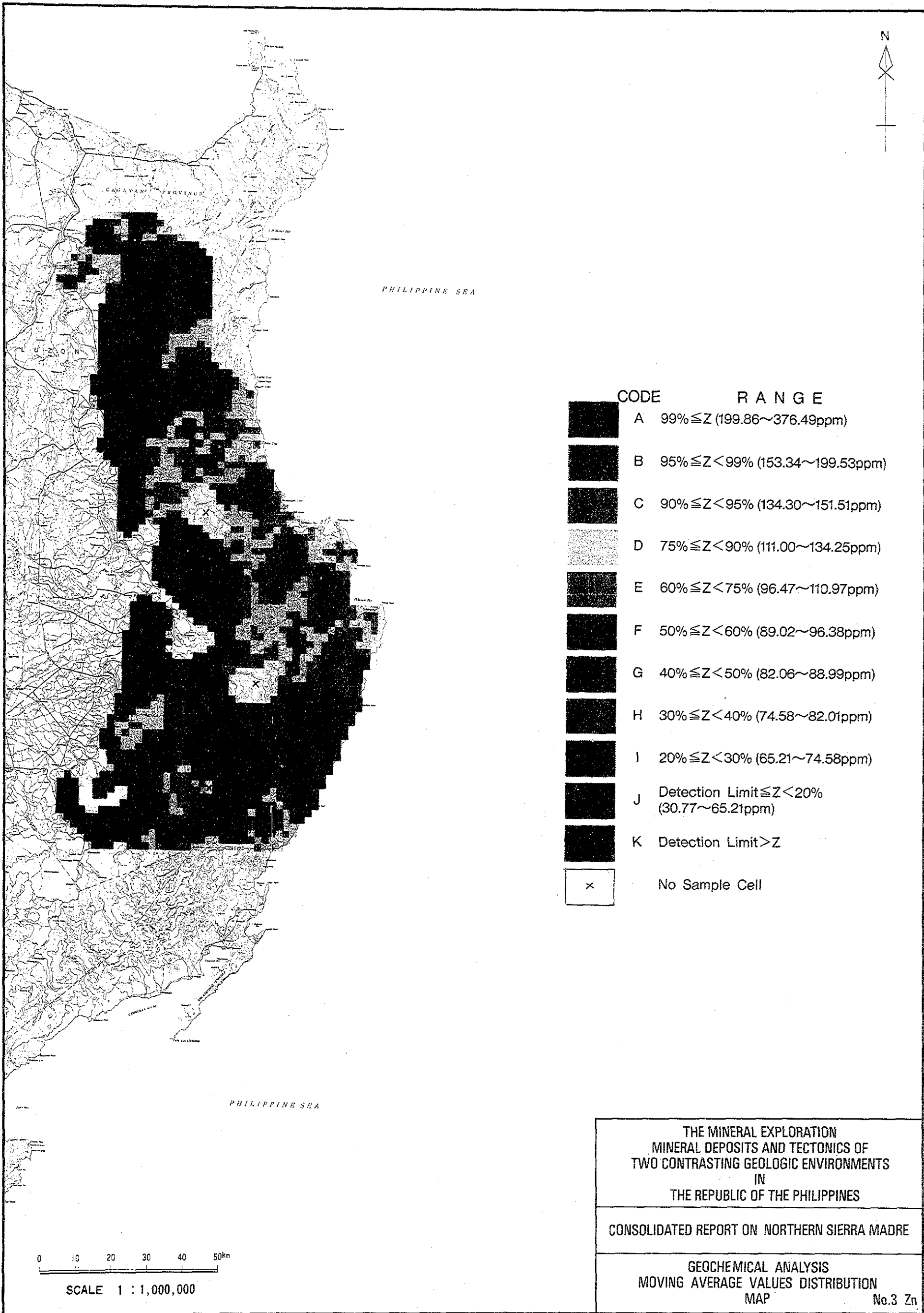
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GEOCHEMICAL ANALYSIS  
 MOVING AVERAGE VALUES DISTRIBUTION  
 MAP

No.2 Pb

0    10    20    30    40    50km  
 SCALE 1 : 1,000,000





CODE	RANGE
A	99% ≤ Z (199.86~376.49ppm)
B	95% ≤ Z < 99% (153.34~199.53ppm)
C	90% ≤ Z < 95% (134.30~151.51ppm)
D	75% ≤ Z < 90% (111.00~134.25ppm)
E	60% ≤ Z < 75% (96.47~110.97ppm)
F	50% ≤ Z < 60% (89.02~96.38ppm)
G	40% ≤ Z < 50% (82.06~88.99ppm)
H	30% ≤ Z < 40% (74.58~82.01ppm)
I	20% ≤ Z < 30% (65.21~74.58ppm)
J	Detection Limit ≤ Z < 20% (30.77~65.21ppm)
K	Detection Limit > Z
x	No Sample Cell

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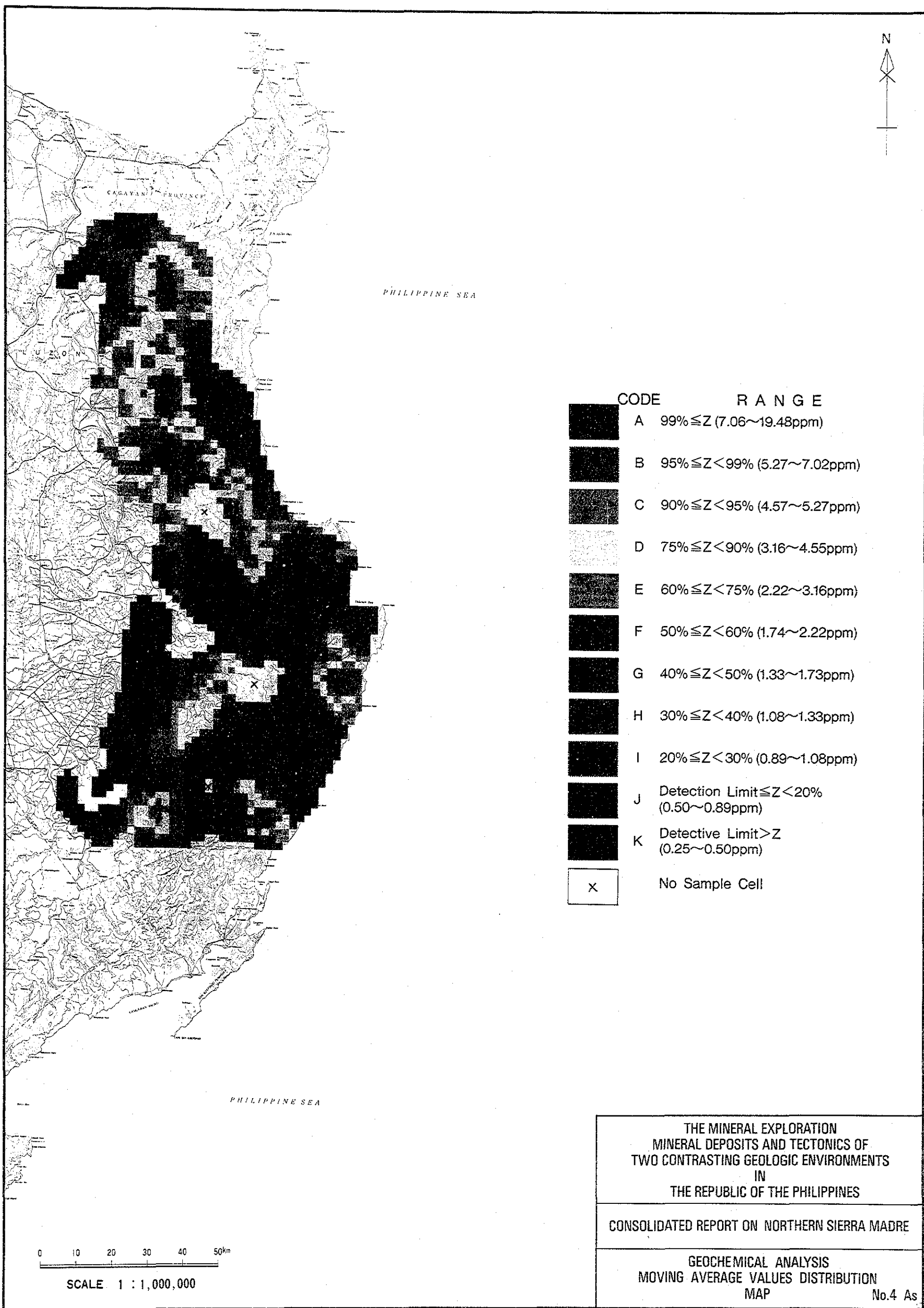
CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE

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GEOCHEMICAL ANALYSIS  
 MOVING AVERAGE VALUES DISTRIBUTION  
 MAP

No.3 Zn





CODE	RANGE
A	99% ≤ Z (7.06~19.48ppm)
B	95% ≤ Z < 99% (5.27~7.02ppm)
C	90% ≤ Z < 95% (4.57~5.27ppm)
D	75% ≤ Z < 90% (3.16~4.55ppm)
E	60% ≤ Z < 75% (2.22~3.16ppm)
F	50% ≤ Z < 60% (1.74~2.22ppm)
G	40% ≤ Z < 50% (1.33~1.73ppm)
H	30% ≤ Z < 40% (1.08~1.33ppm)
I	20% ≤ Z < 30% (0.89~1.08ppm)
J	Detection Limit ≤ Z < 20% (0.50~0.89ppm)
K	Detective Limit > Z (0.25~0.50ppm)
X	No Sample Cell

0 10 20 30 40 50km  
 SCALE 1 : 1,000,000

THE MINERAL EXPLORATION  
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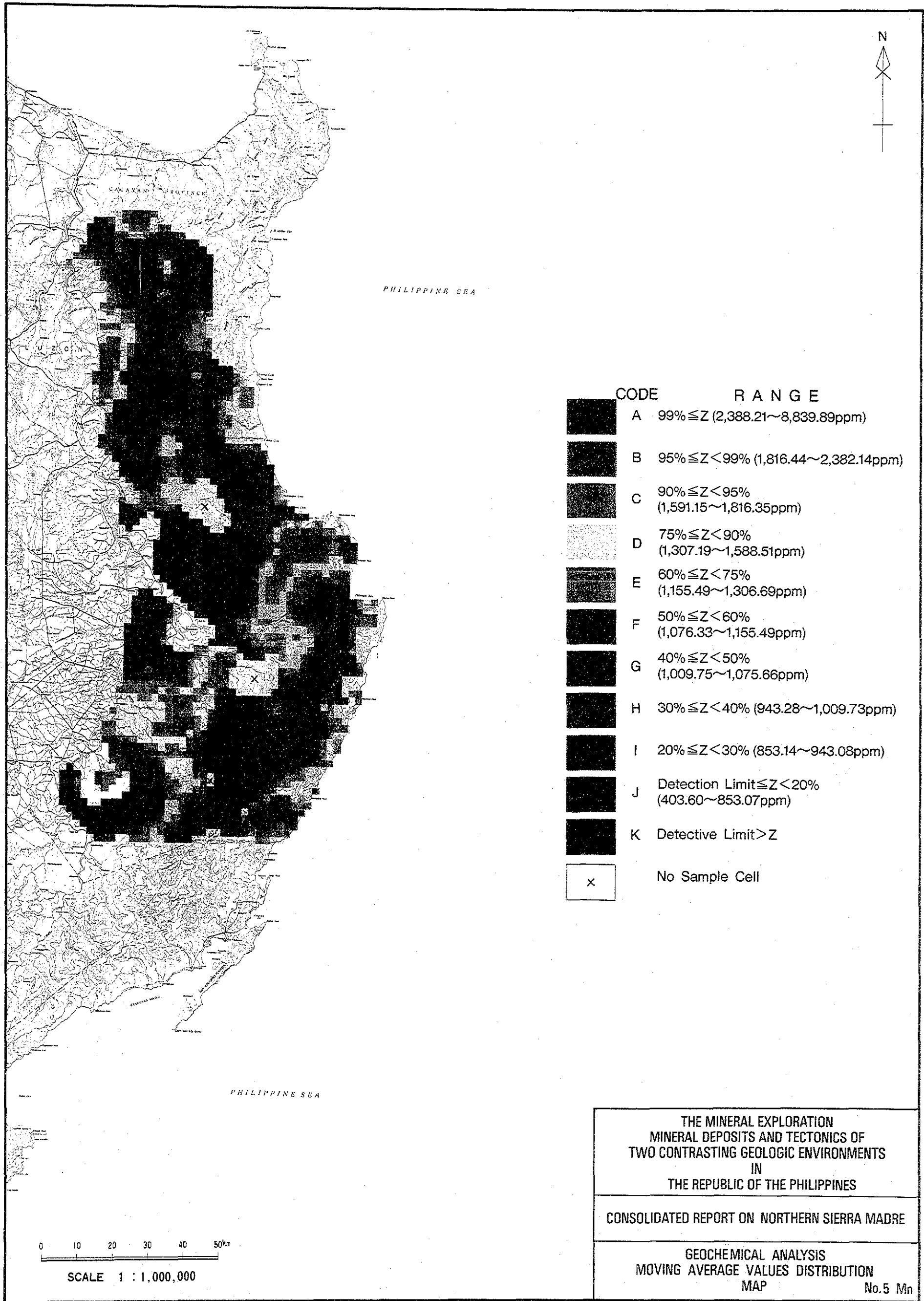
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CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE

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GEOCHEMICAL ANALYSIS  
 MOVING AVERAGE VALUES DISTRIBUTION  
 MAP  
 No.4 As





CODE	RANGE
A	99% ≤ Z (2,388.21~8,839.89ppm)
B	95% ≤ Z < 99% (1,816.44~2,382.14ppm)
C	90% ≤ Z < 95% (1,591.15~1,816.35ppm)
D	75% ≤ Z < 90% (1,307.19~1,588.51ppm)
E	60% ≤ Z < 75% (1,155.49~1,306.69ppm)
F	50% ≤ Z < 60% (1,076.33~1,155.49ppm)
G	40% ≤ Z < 50% (1,009.75~1,075.66ppm)
H	30% ≤ Z < 40% (943.28~1,009.73ppm)
I	20% ≤ Z < 30% (853.14~943.08ppm)
J	Detection Limit ≤ Z < 20% (403.60~853.07ppm)
K	Detective Limit > Z
x	No Sample Cell

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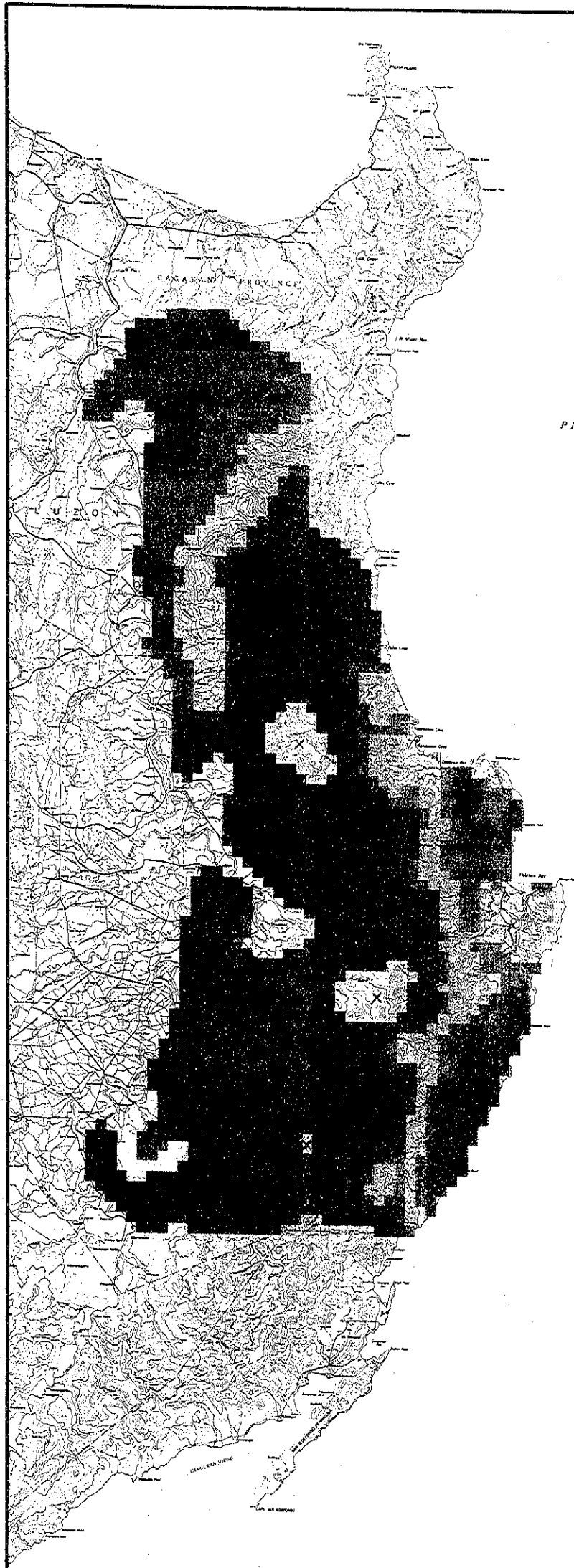
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**GEOCHEMICAL ANALYSIS  
 MOVING AVERAGE VALUES DISTRIBUTION  
 MAP**

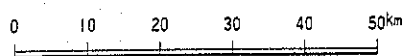
No.5 Mn







CODE	RANGE
A	$99\% \leq Z$ (2,611.22~3,293.95ppm)
B	$95\% \leq Z < 99\%$ (1,130.25~2,606.10ppm)
C	$90\% \leq Z < 95\%$ (295.91~1,107.26ppm)
D	$75\% \leq Z < 90\%$ (32.66~295.82ppm)
E	$60\% \leq Z < 75\%$ (24.14~32.52ppm)
F	$50\% \leq Z < 60\%$ (20.15~24.14ppm)
G	$40\% \leq Z < 50\%$ (17.92~20.14ppm)
H	$30\% \leq Z < 40\%$ (16.02~17.92ppm)
I	$20\% \leq Z < 30\%$ (13.98~16.01ppm)
J	Detection Limit $\leq Z < 20\%$ (5.65~13.98ppm)
K	Detective Limit $> Z$
x	No Sample Cell



SCALE 1 : 1,000,000

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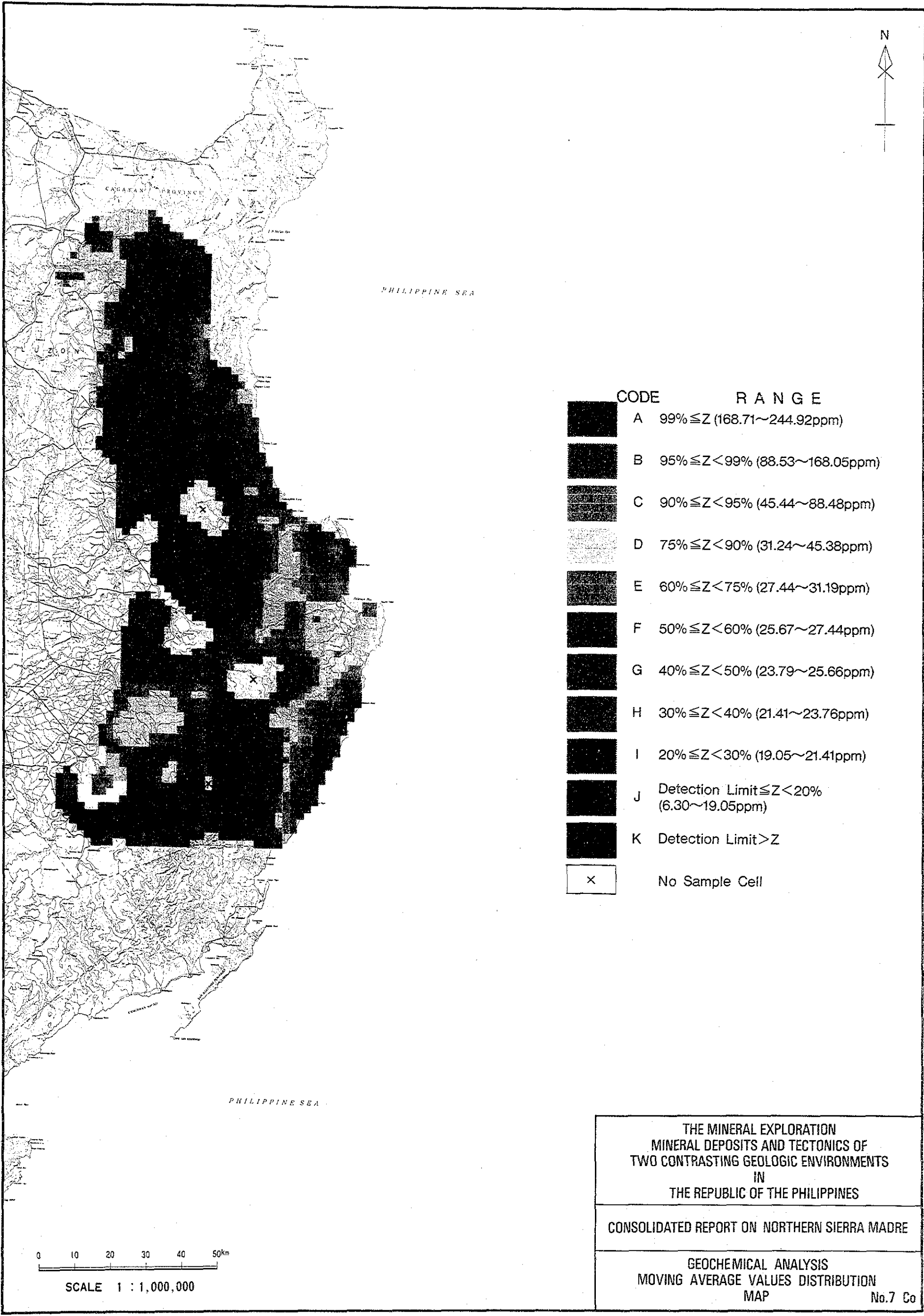
CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE

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GEOCHEMICAL ANALYSIS  
MOVING AVERAGE VALUES DISTRIBUTION  
MAP

No.6 Ni



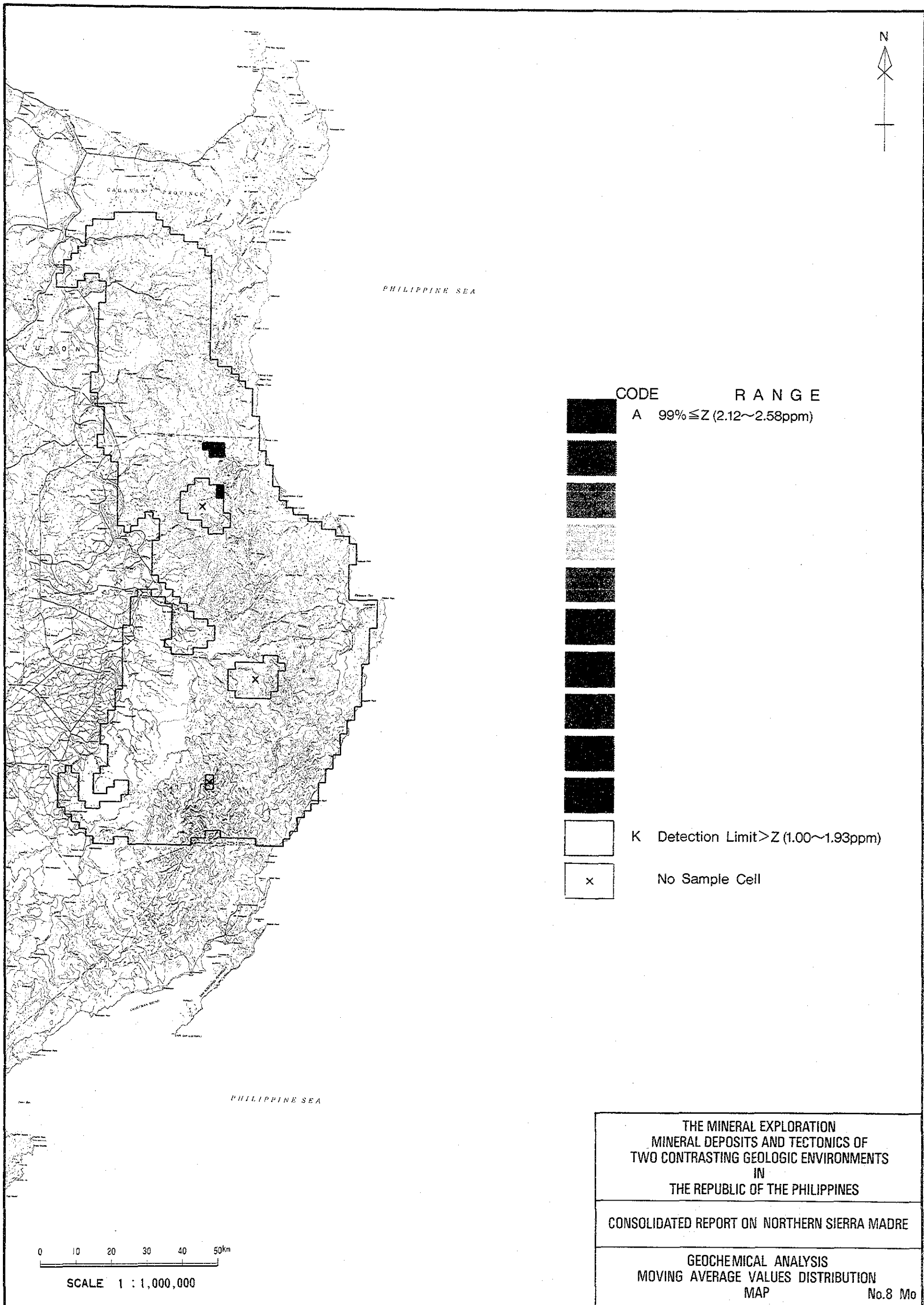


CODE	RANGE
A	99% ≤ Z (168.71~244.92ppm)
B	95% ≤ Z < 99% (88.53~168.05ppm)
C	90% ≤ Z < 95% (45.44~88.48ppm)
D	75% ≤ Z < 90% (31.24~45.38ppm)
E	60% ≤ Z < 75% (27.44~31.19ppm)
F	50% ≤ Z < 60% (25.67~27.44ppm)
G	40% ≤ Z < 50% (23.79~25.66ppm)
H	30% ≤ Z < 40% (21.41~23.76ppm)
I	20% ≤ Z < 30% (19.05~21.41ppm)
J	Detection Limit ≤ Z < 20% (6.30~19.05ppm)
K	Detection Limit > Z
x	No Sample Cell

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 MAP No.7 Co

0 10 20 30 40 50km  
 SCALE 1 : 1,000,000





CODE            R A N G E  
 A 99% ≤ Z (2.12~2.58ppm)

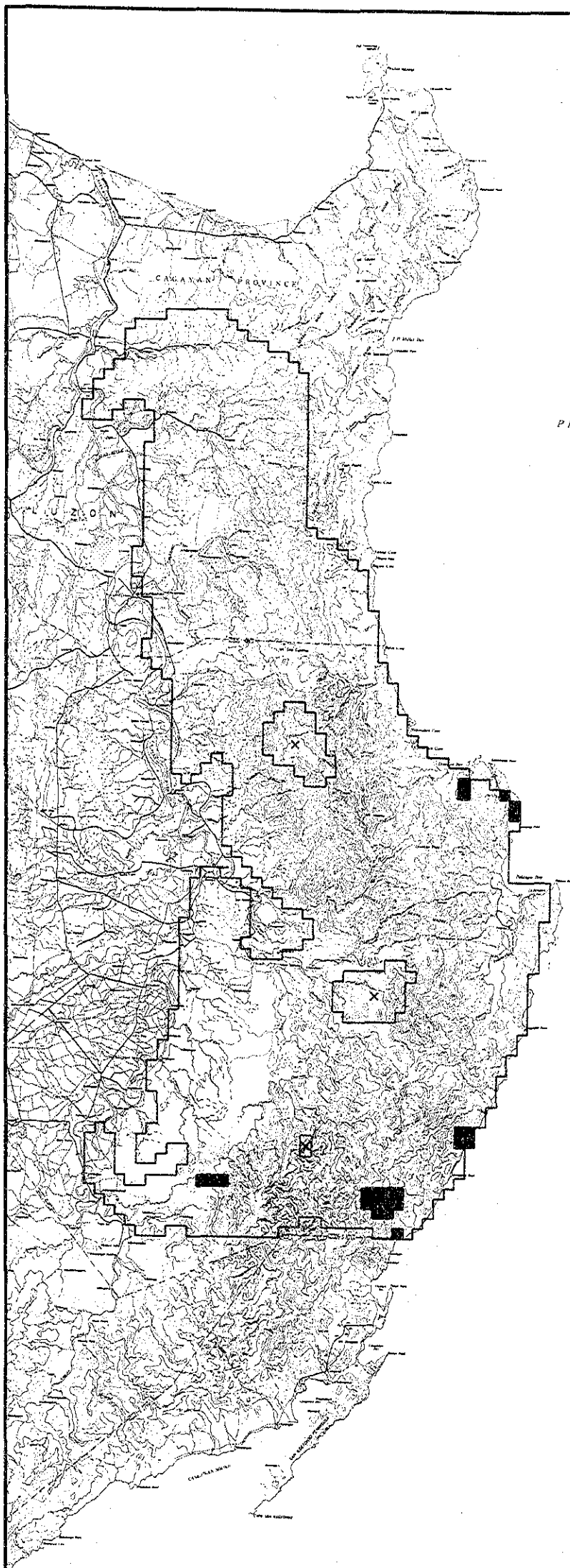


K Detection Limit > Z (1.00~1.93ppm)  
 x No Sample Cell

0 10 20 30 40 50km  
 SCALE 1 : 1,000,000

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 CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE  
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 MOVING AVERAGE VALUES DISTRIBUTION  
 MAP  
 No.8 Mo

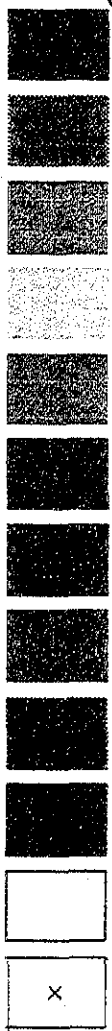




PHILIPPINE SEA

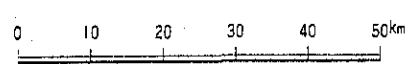
PHILIPPINE SEA

CODE RANGE  
A 99% ≤ Z (40.30~61.29ppm)



K Detection Limit > Z (20.00~39.95ppm)

No Sample Cell



SCALE 1 : 1,000,000

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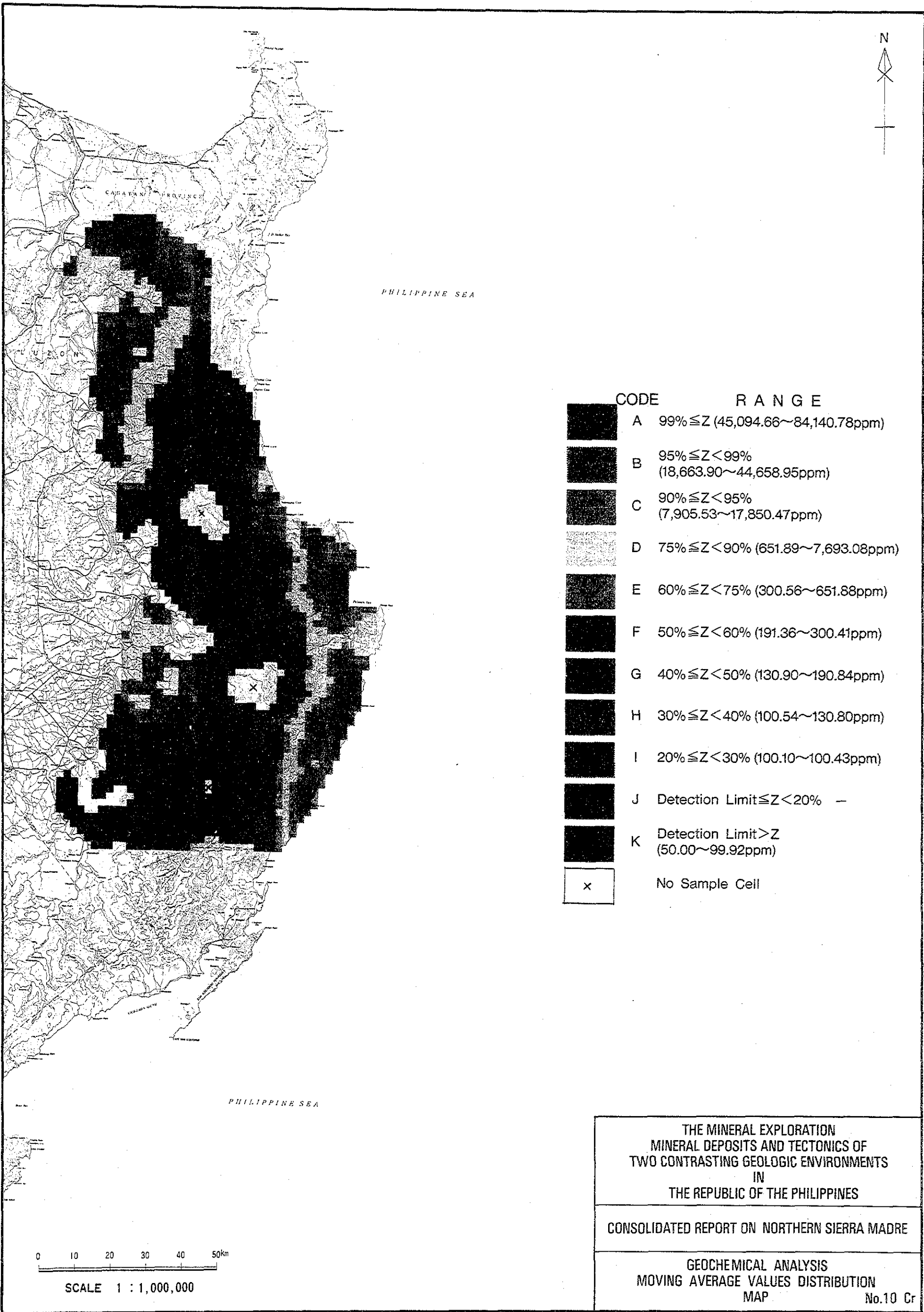
CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE

GEOCHEMICAL ANALYSIS  
MOVING AVERAGE VALUES DISTRIBUTION  
MAP

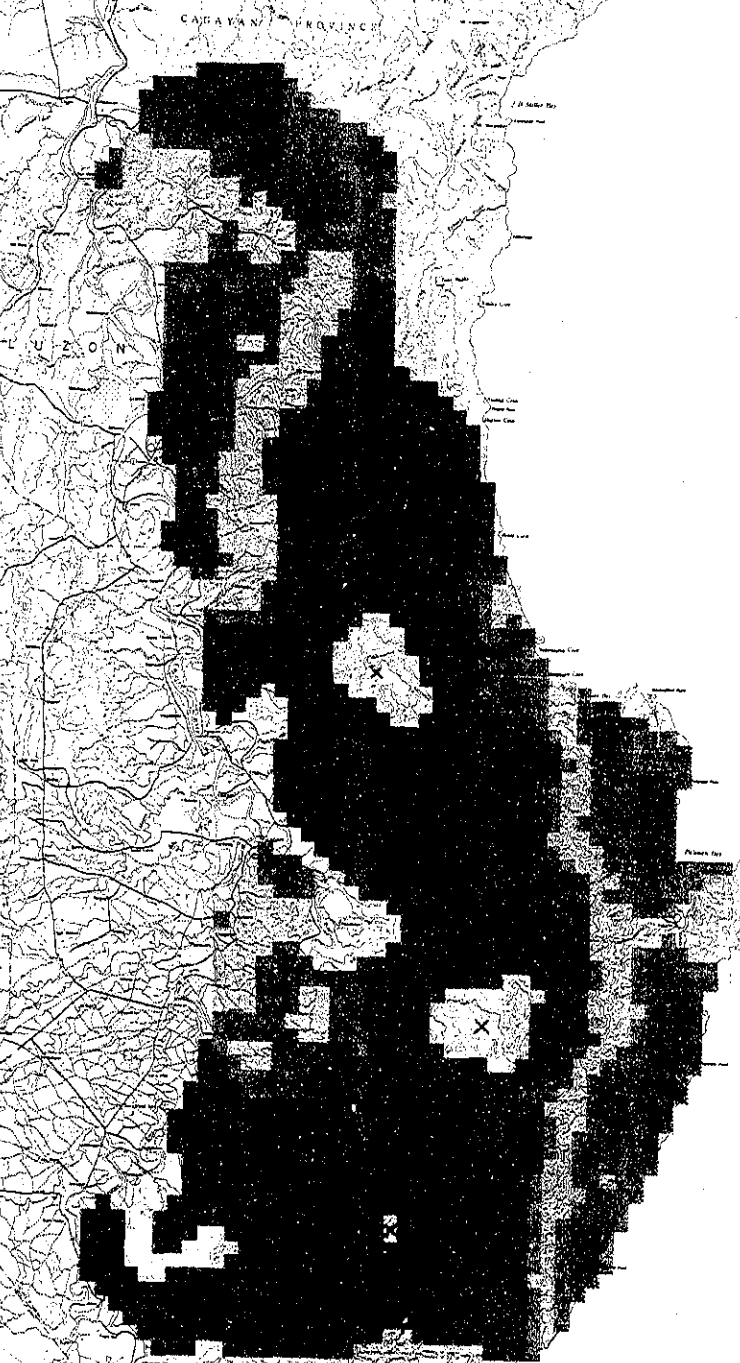
No.9 Hg







PHILIPPINE SEA



CODE	RANGE
A	99% ≤ Z (45,094.66~84,140.78ppm)
B	95% ≤ Z < 99% (18,663.90~44,658.95ppm)
C	90% ≤ Z < 95% (7,905.53~17,850.47ppm)
D	75% ≤ Z < 90% (651.89~7,693.08ppm)
E	60% ≤ Z < 75% (300.56~651.88ppm)
F	50% ≤ Z < 60% (191.36~300.41ppm)
G	40% ≤ Z < 50% (130.90~190.84ppm)
H	30% ≤ Z < 40% (100.54~130.80ppm)
I	20% ≤ Z < 30% (100.10~100.43ppm)
J	Detection Limit ≤ Z < 20% —
K	Detection Limit > Z (50.00~99.92ppm)
x	No Sample Cell

PHILIPPINE SEA

0 10 20 30 40 50km  
SCALE 1 : 1,000,000

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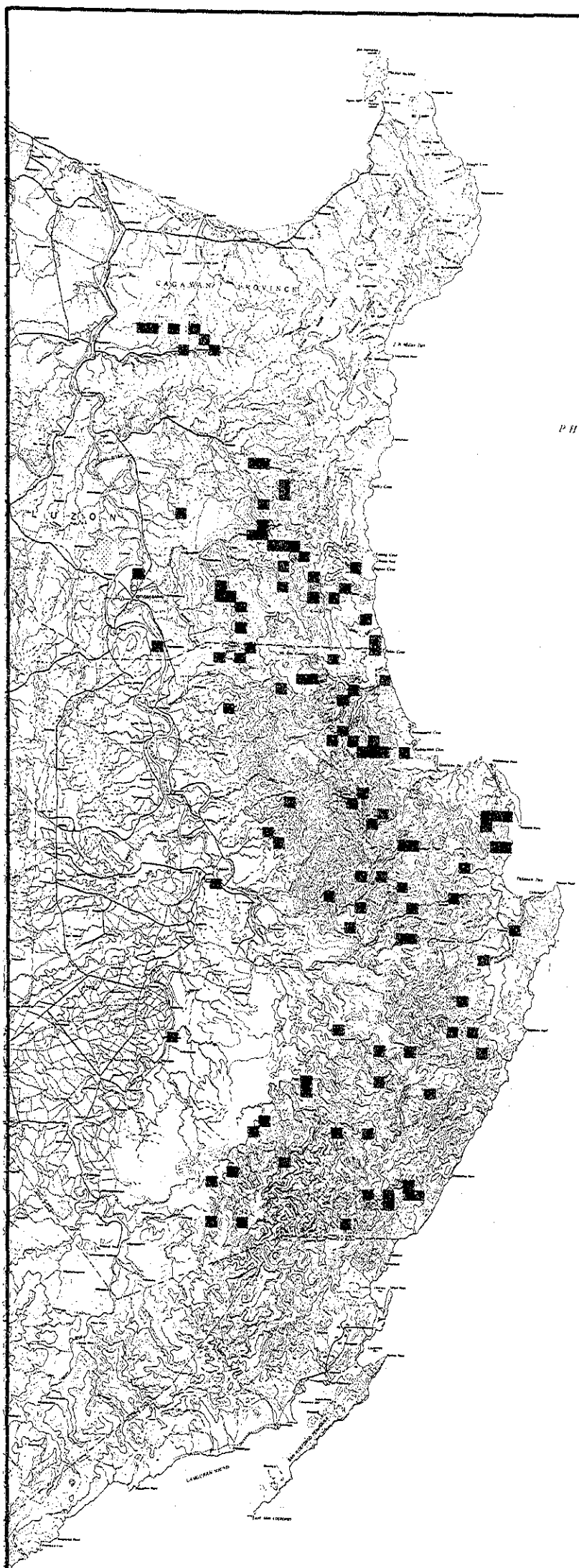
GEOCHEMICAL ANALYSIS  
MOVING AVERAGE VALUES DISTRIBUTION  
MAP

No.10 Cr






PL-2-3 (No. 1 to No. 10) Geochemical Analysis High-pass Filter Values  
Distribution Map (1:1,000,000)

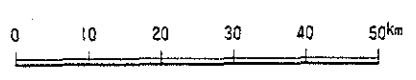




PHILIPPINE SEA

PHILIPPINE SEA

RANGE	
	$\bar{x} + 2.0\sigma \text{Value} \leq Z$ (86.70~418.40ppm)
	$\bar{x} + 1.5\sigma \text{Value} \leq Z < \bar{x} + 2\sigma \text{Value}$ (37.42~77.59ppm)
	$\bar{x} + 1.0\sigma \text{Value} \leq Z < \bar{x} + 1.5\sigma \text{Value}$ (16.33~35.88ppm)

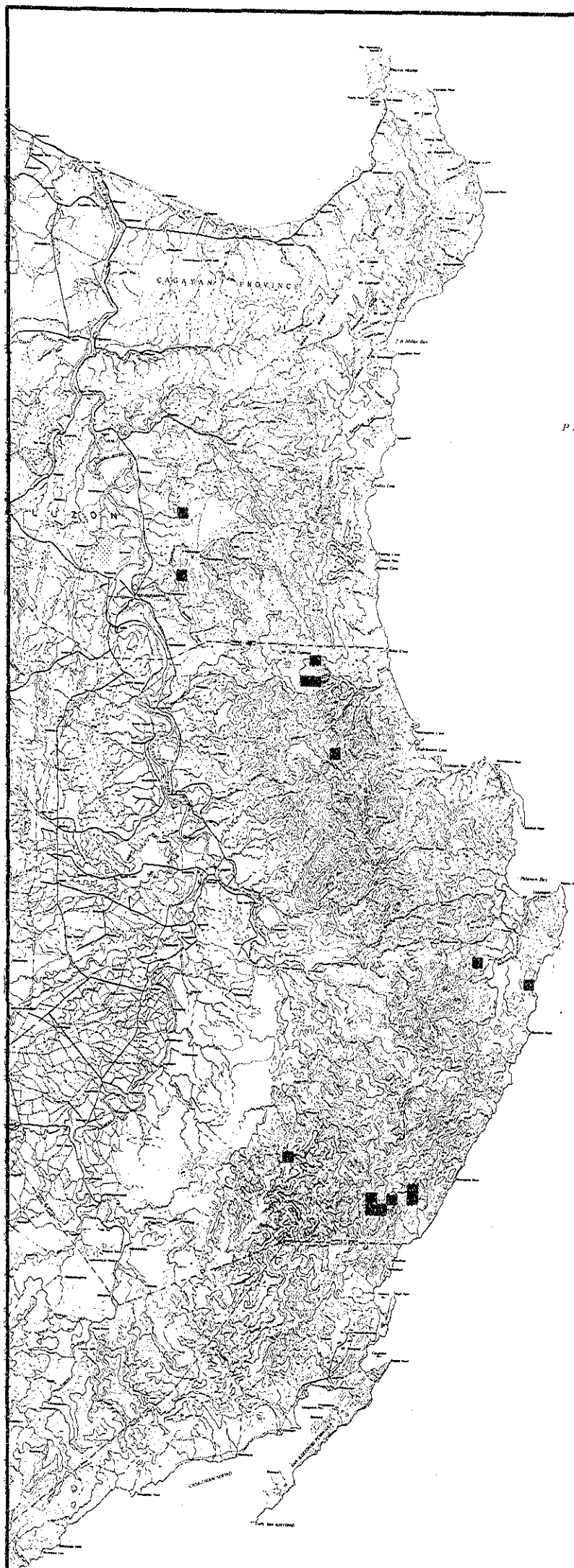


SCALE 1 : 1,000,000

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GEOCHEMICAL ANALYSIS HIGH-PASS FILTER VALUES DISTRIBUTION MAP

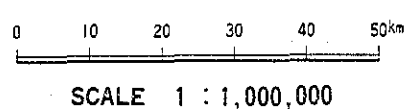
No.1 Cu





**R A N G E**

	$\bar{x} + 2.0\sigma \text{Value} \leq Z$ (54.87~54.87ppm)
	$\bar{x} + 1.5\sigma \text{Value} \leq Z < \bar{x} + 2.0\sigma \text{Value}$ (20.64~36.17ppm)
	$\bar{x} + 1.0\sigma \text{Value} \leq Z < \bar{x} + 1.5\sigma \text{Value}$ (5.04~13.55ppm)

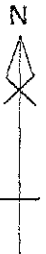
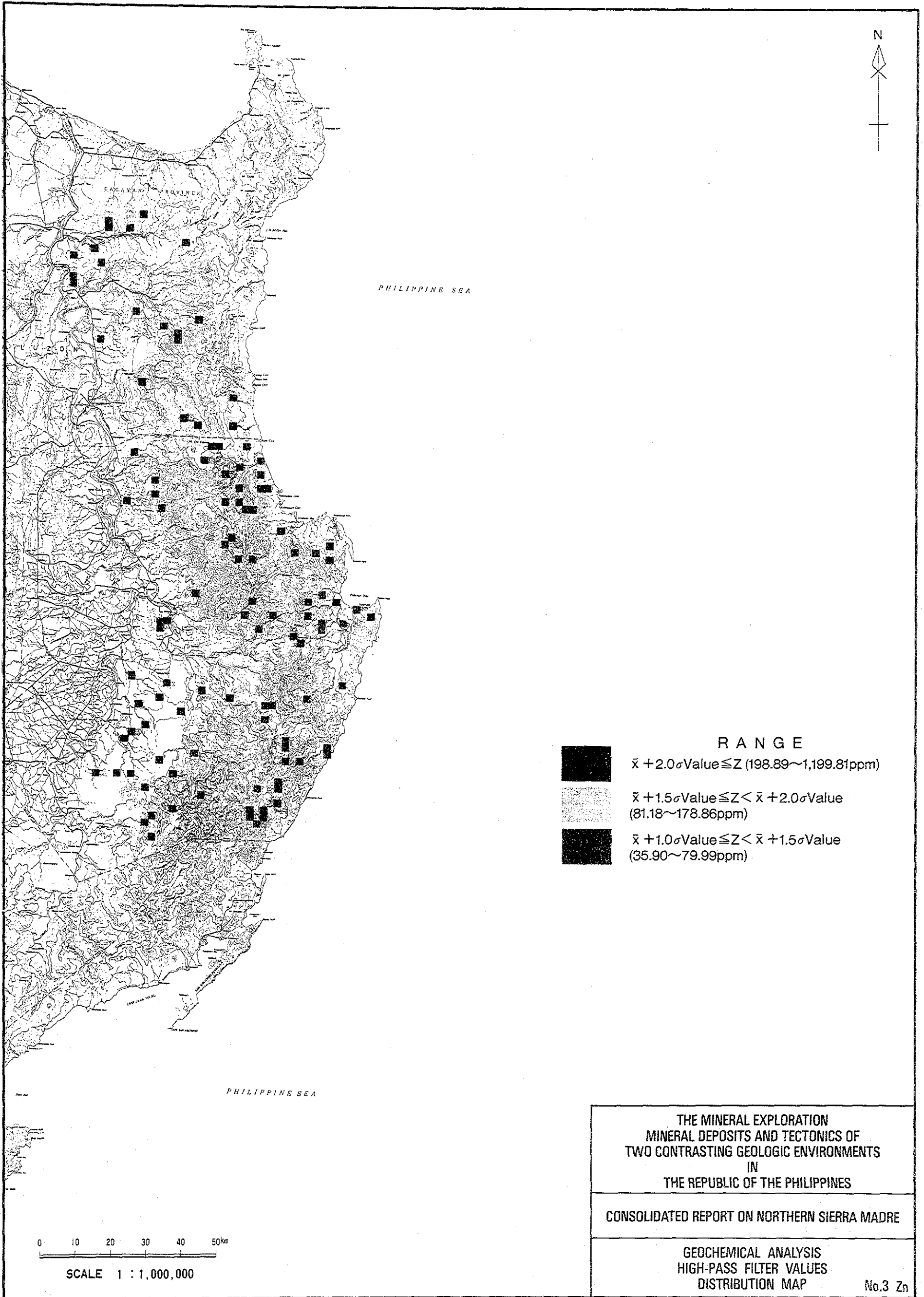


THE MINERAL EXPLORATION MINERAL DEPOSITS AND TECTONICS OF TWO CONTRASTING GEOLOGIC ENVIRONMENTS IN THE REPUBLIC OF THE PHILIPPINES
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GEOCHEMICAL ANALYSIS HIGH-PASS FILTER VALUES DISTRIBUTION MAP

No.2 Pb







PHILIPPINE SEA

PHILIPPINE SEA

**RANGE**

- $\bar{x} + 2.0\sigma \text{Value} \leq Z$  (198.89~1,199.81ppm)
- $\bar{x} + 1.5\sigma \text{Value} \leq Z < \bar{x} + 2.0\sigma \text{Value}$  (81.18~178.86ppm)
- $\bar{x} + 1.0\sigma \text{Value} \leq Z < \bar{x} + 1.5\sigma \text{Value}$  (35.90~79.99ppm)

0 10 20 30 40 50km  
**SCALE 1 : 1,000,000**

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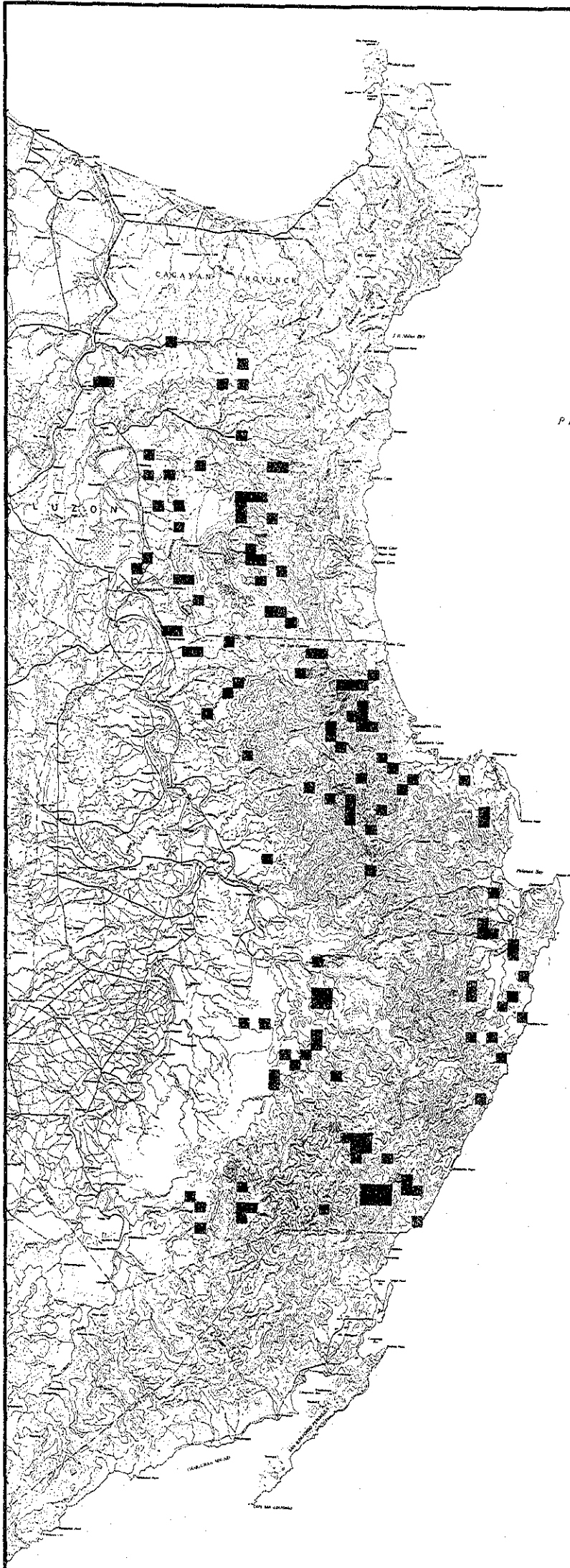
**CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE**

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**GEOCHEMICAL ANALYSIS  
 HIGH-PASS FILTER VALUES  
 DISTRIBUTION MAP**

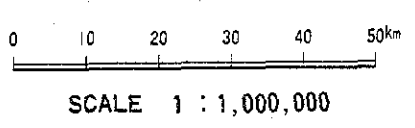
No.3 Zn





**R A N G E**

	$\bar{x} + 2.0\sigma \text{Value} \leq Z$ (10.30~109.75ppm)
	$\bar{x} + 1.5\sigma \text{Value} \leq Z < \bar{x} + 2.0\sigma \text{Value}$ (4.35~9.46ppm)
	$\bar{x} + 1.0\sigma \text{Value} \leq Z < \bar{x} + 1.5\sigma \text{Value}$ (1.78~4.20ppm)



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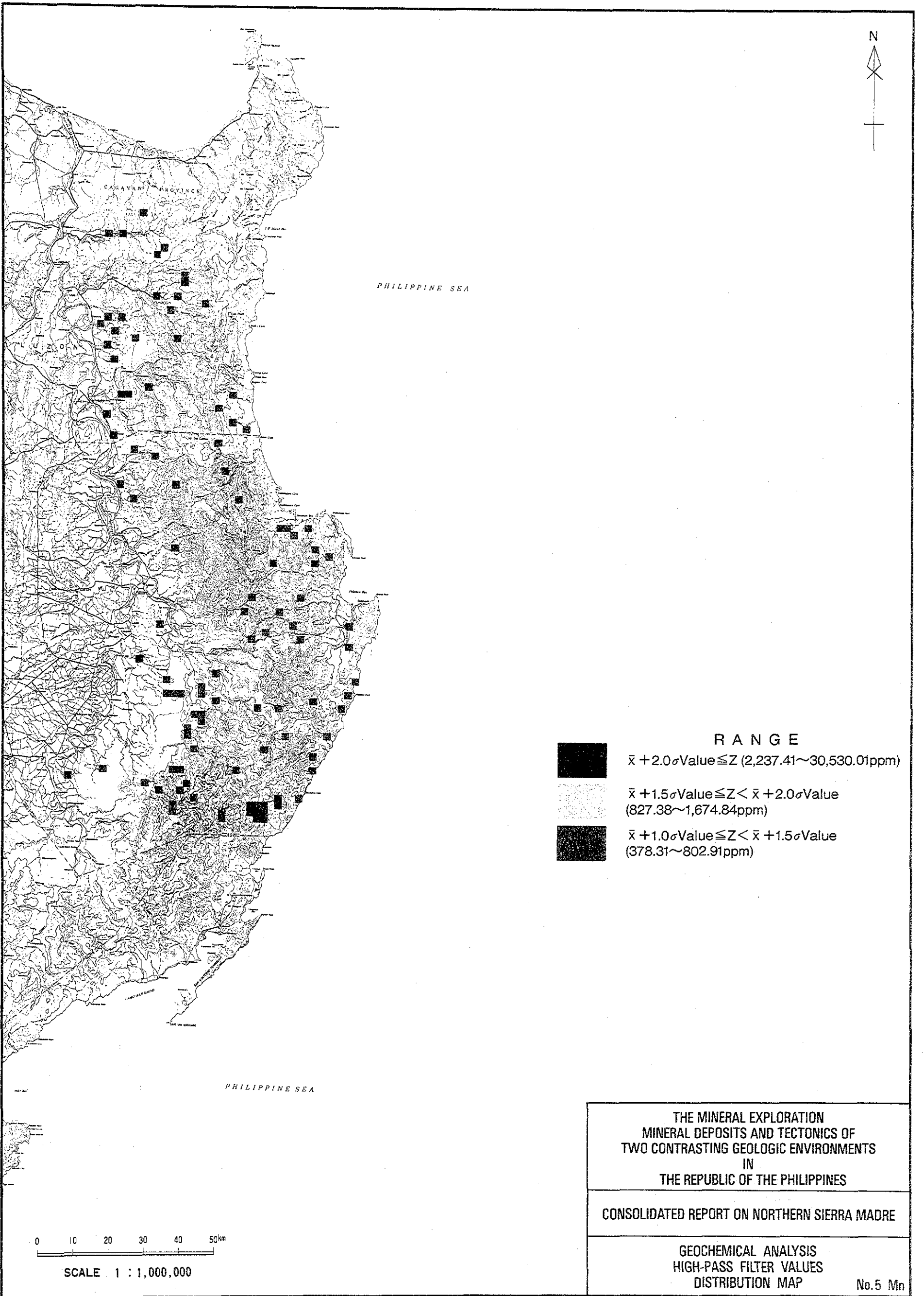
CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE

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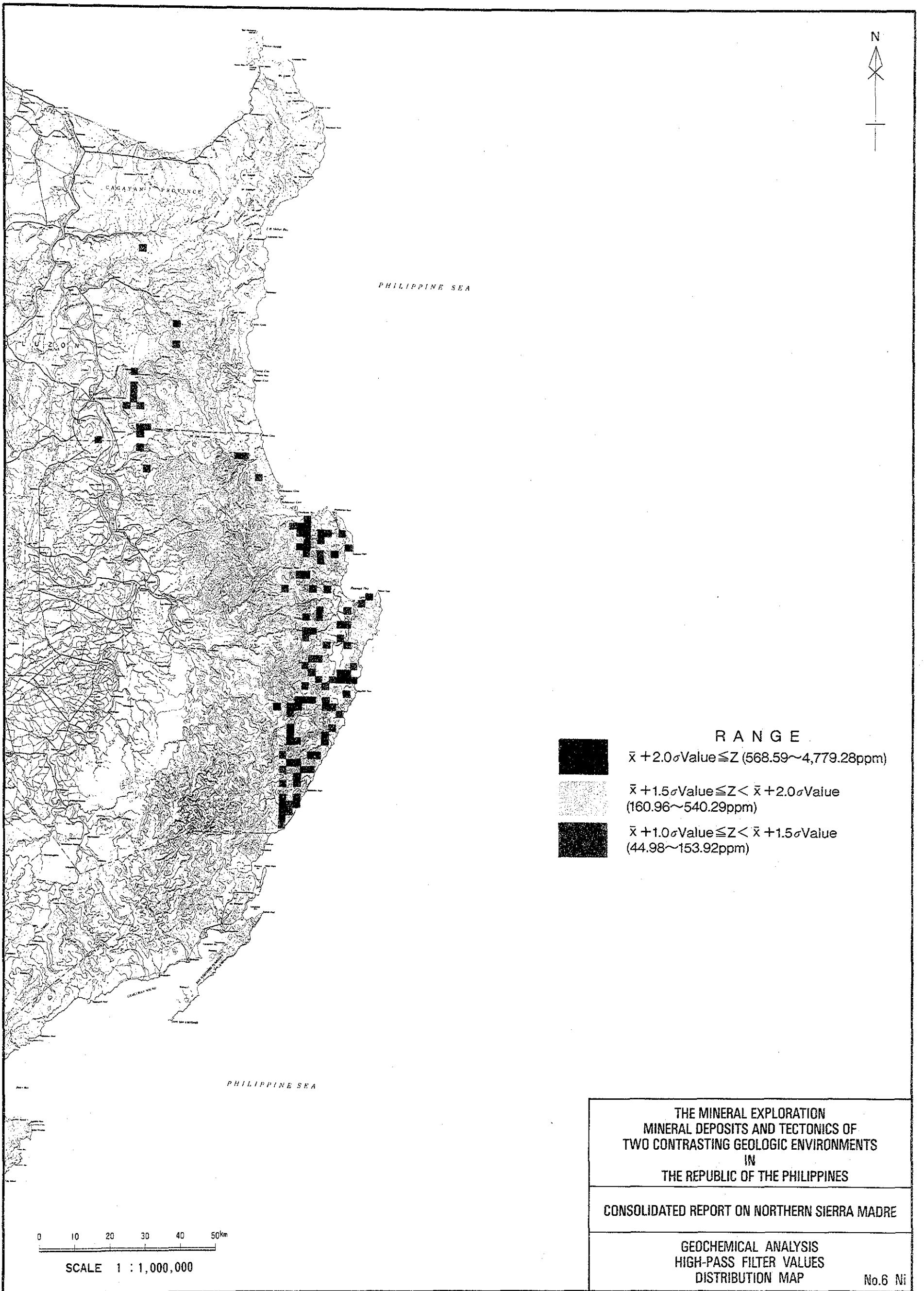
GEOCHEMICAL ANALYSIS  
HIGH-PASS FILTER VALUES  
DISTRIBUTION MAP

No.4 As



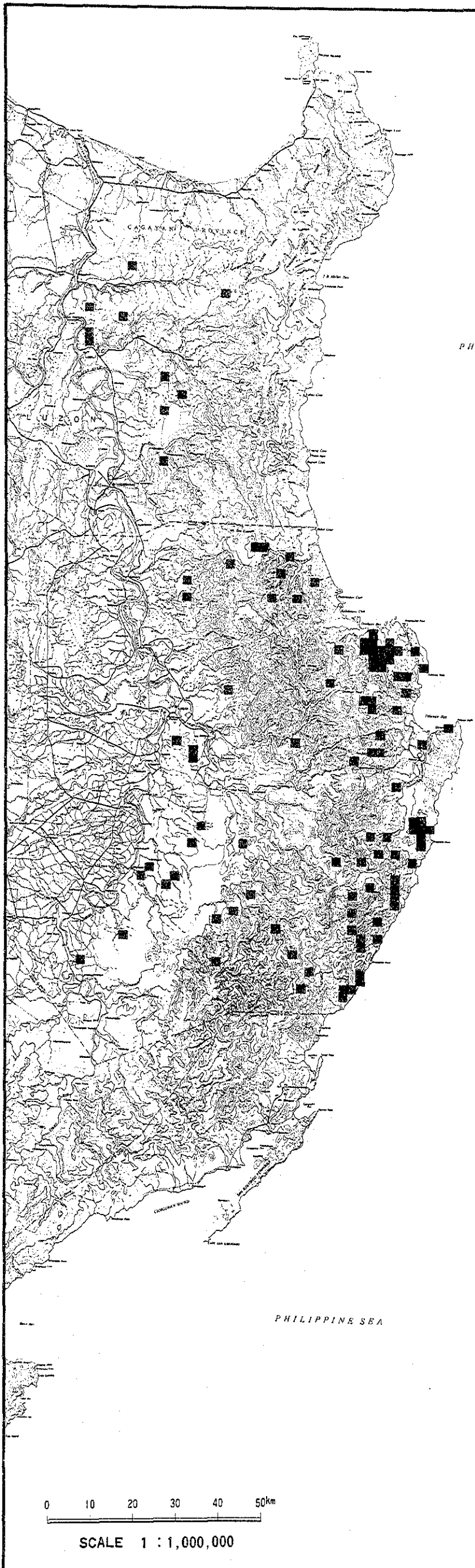
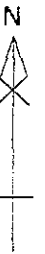






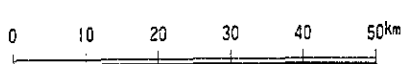









PHILIPPINE SEA

PHILIPPINE SEA



SCALE 1 : 1,000,000

RANGE

	$\bar{x} + 2.0\sigma \text{Value} \leq Z$ (53.95~318.86ppm)
	$\bar{x} + 1.5\sigma \text{Value} \leq Z < \bar{x} + 2.0\sigma \text{Value}$ (22.84~49.98ppm)
	$\bar{x} + 1.0\sigma \text{Value} \leq Z < \bar{x} + 1.5\sigma \text{Value}$ (10.09~22.37ppm)

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

CONSOLIDATED REPORT ON NORTHERN SIERRA MADRE

GEOCHEMICAL ANALYSIS  
HIGH-PASS FILTER VALUES  
DISTRIBUTION MAP

No.7 Co

