REPORT ON THE MINERAL EXPLORATION IN THE REPUBLIC OF THE PHILIPPINES PHASE II (II)

MARCH 1986

REPORT ON THE MINERAL EXPLORATION

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

PHASE II
MASBATE AREA NORTHERN LEYTE AREA SOUTHERN LEYTE·DINAGAT·SIARGAO AREA AND PARAWAN I~IV AREA

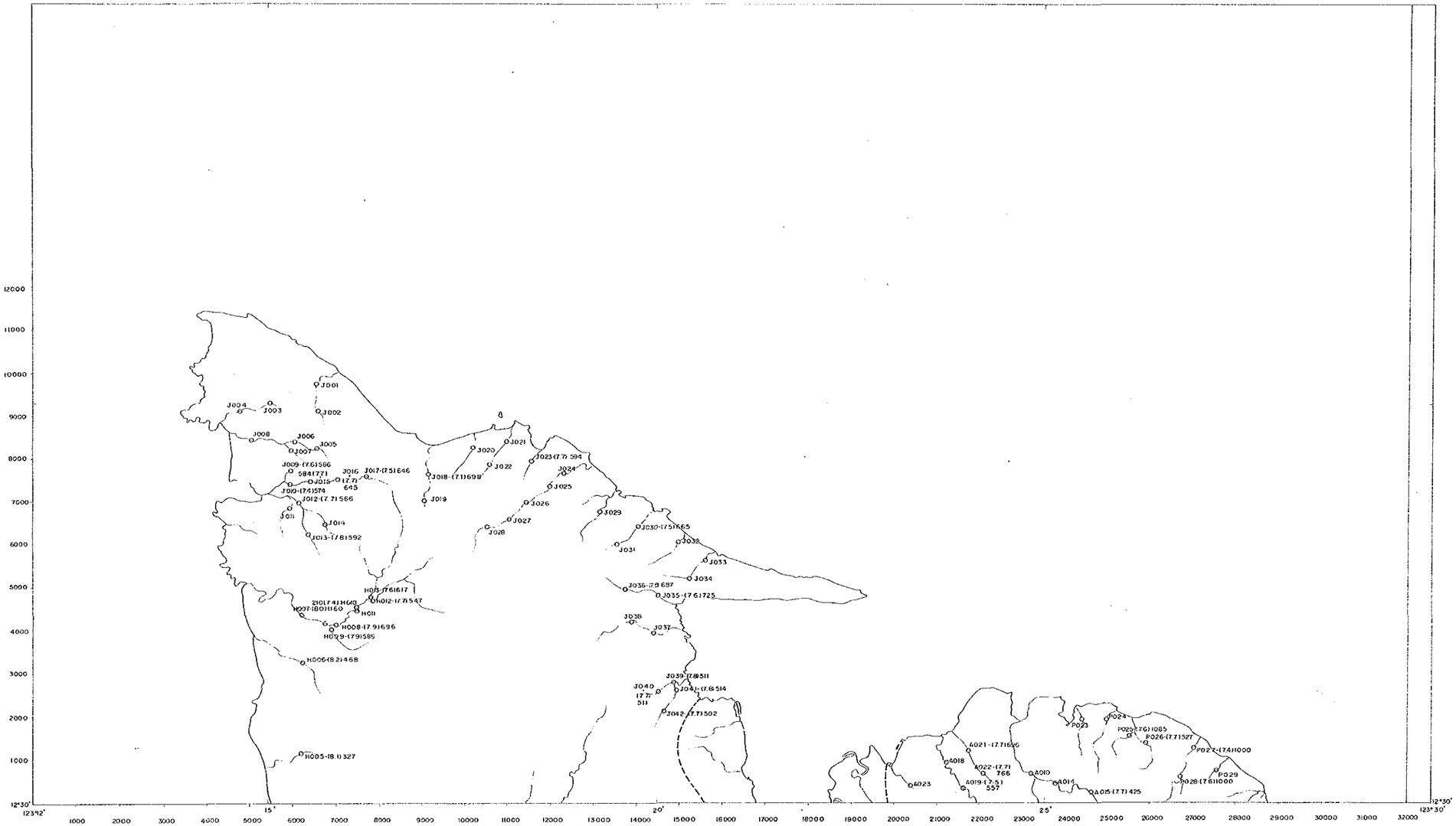
(II)

MARCH 1986

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

AROROY

SHEET 3657 I



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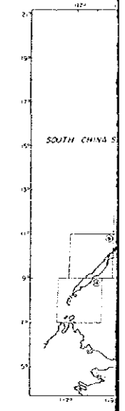

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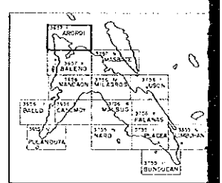
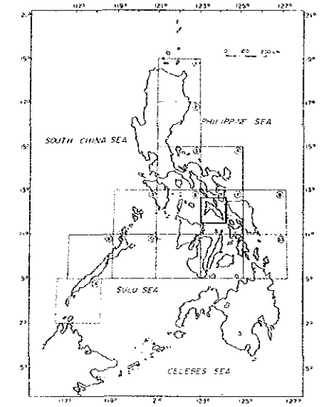


THE MINERAL EXPLORATION
– MINERAL DEPOSITS AND TECTONICS OF TWO CONTRASTING GEOLOGIC ENVIRONMENTS IN THE REPUBLIC OF THE PHILIPPINES PHASE II

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

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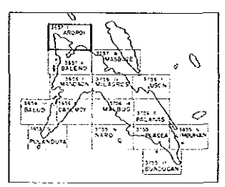

○ : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

280 : Electric conductivity (μs /cm)

B-48 : Sampling point (for laboratory work)

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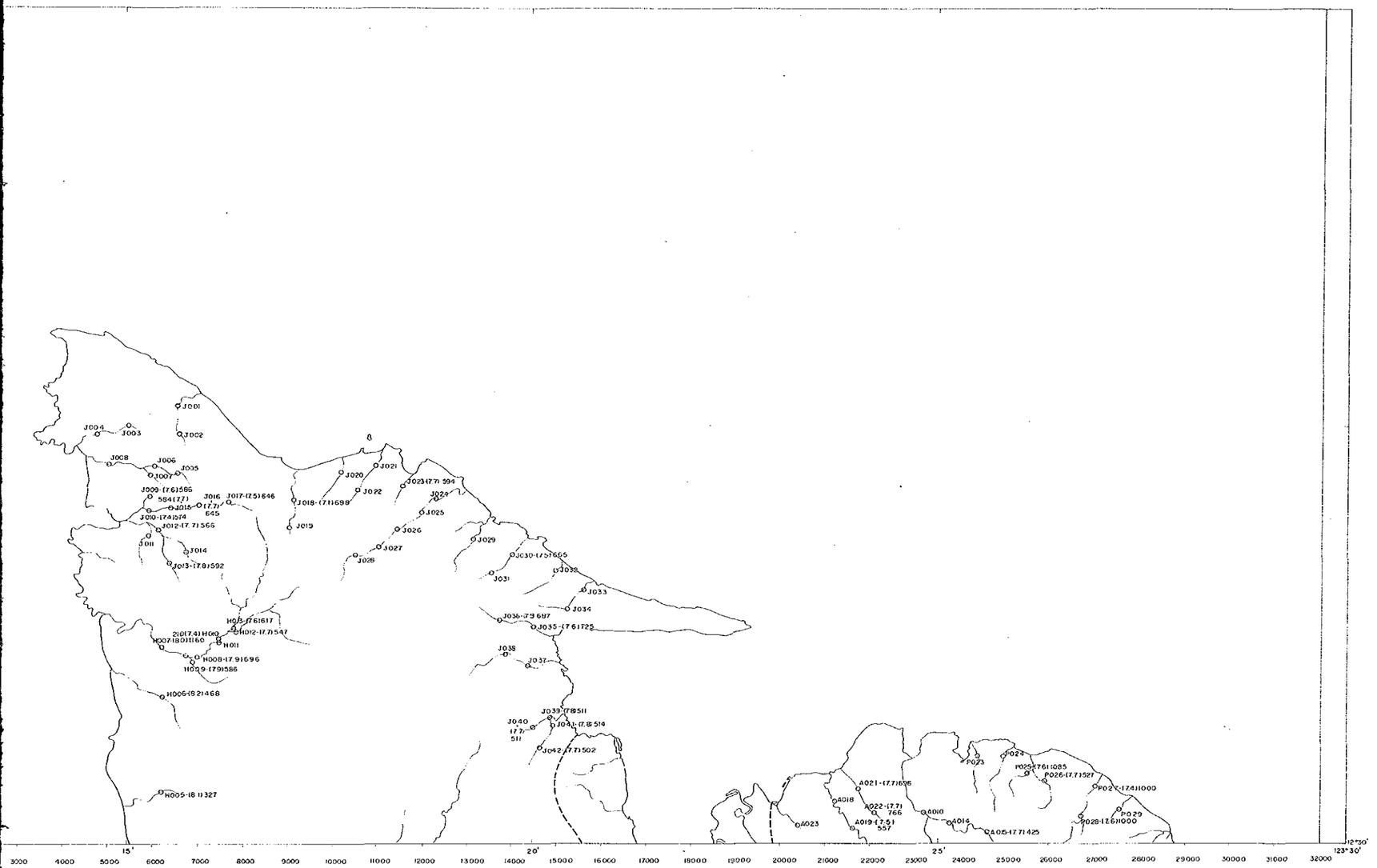

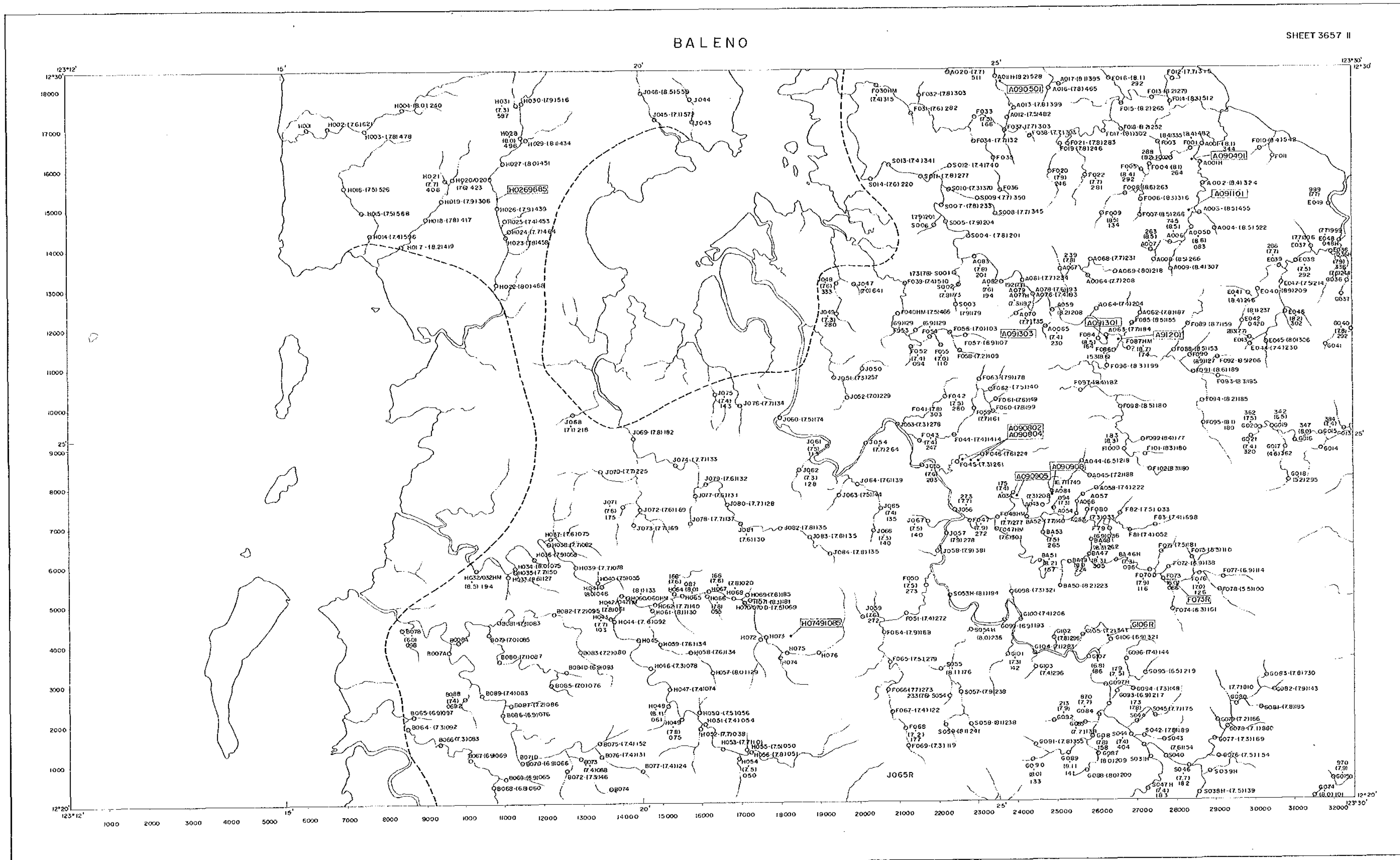

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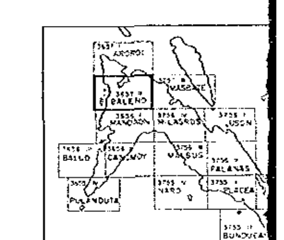
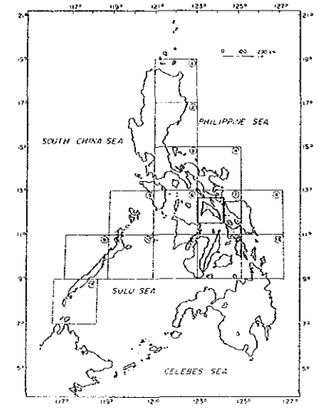


PL. 4 - 2

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



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METAL MINING AGENCY OF JAPAN

MARCH 1986

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Scale 1 : 50,000

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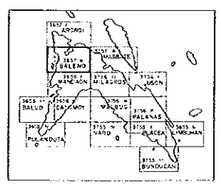


O : Sampling point (Stream sediment, heavy mineral)

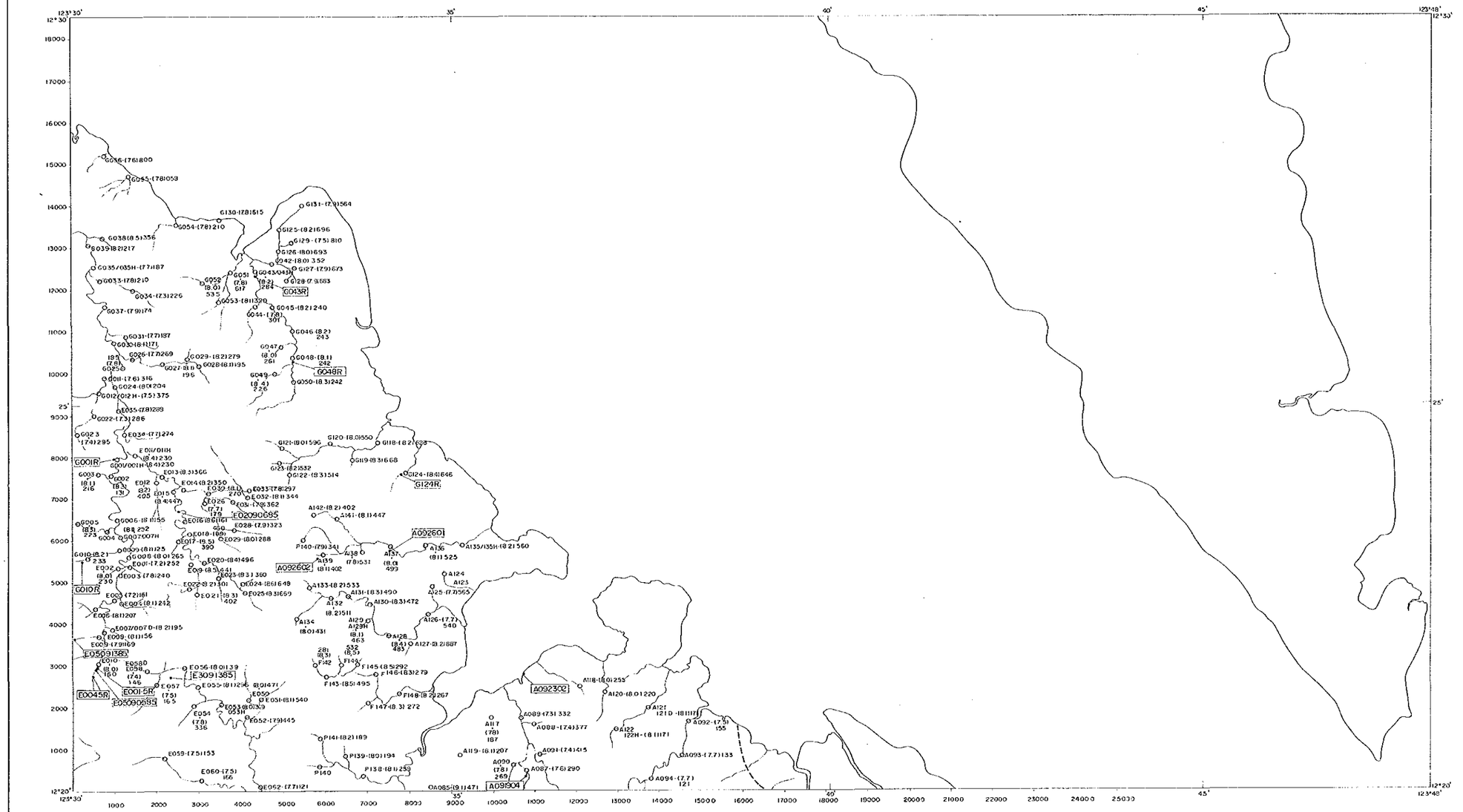
(7.0) : pH

280 : Electric conductivity (μs /cm)

B-48 : Sampling point (for laboratory work)

MASBATE

SHEET 3757 III



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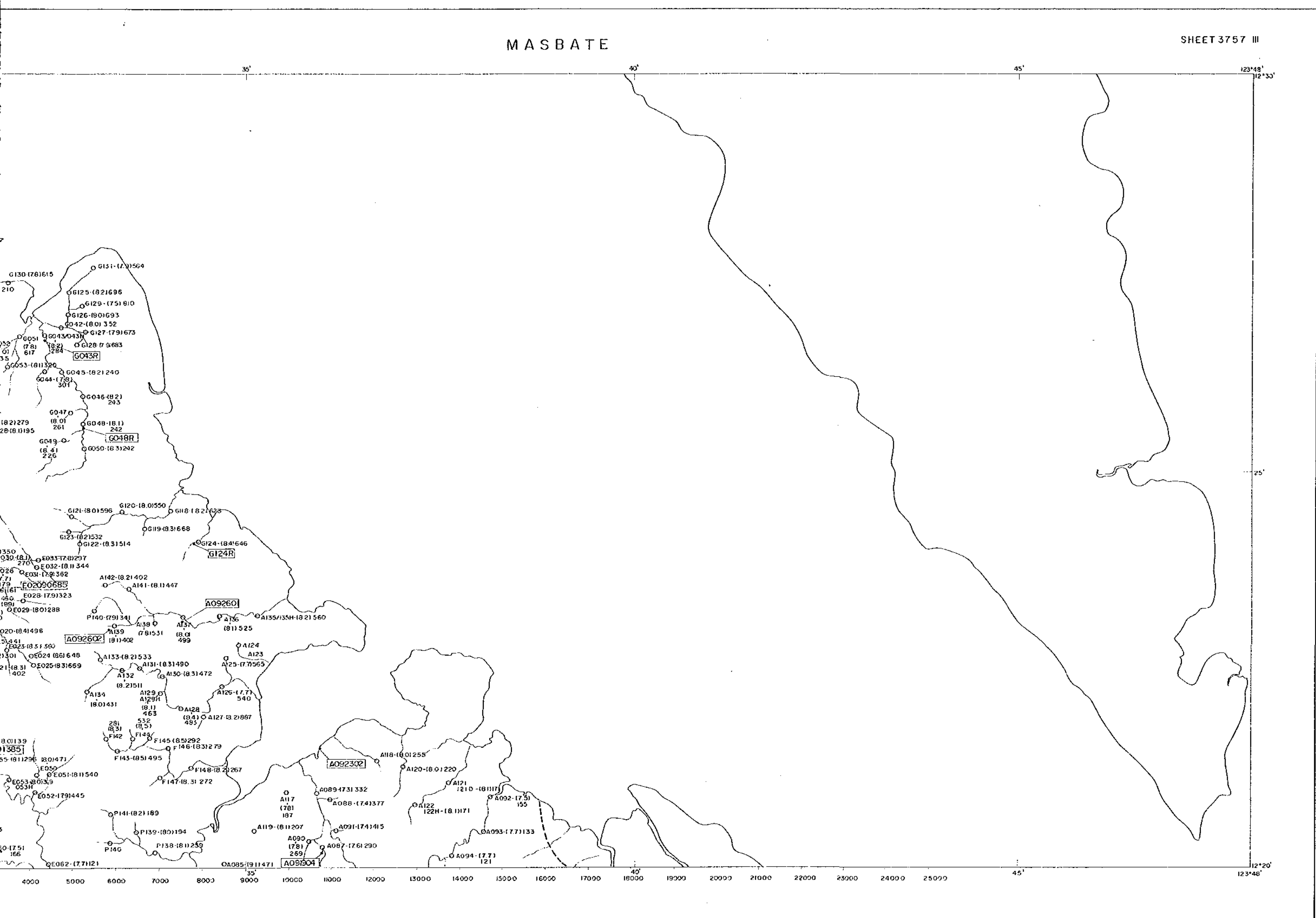
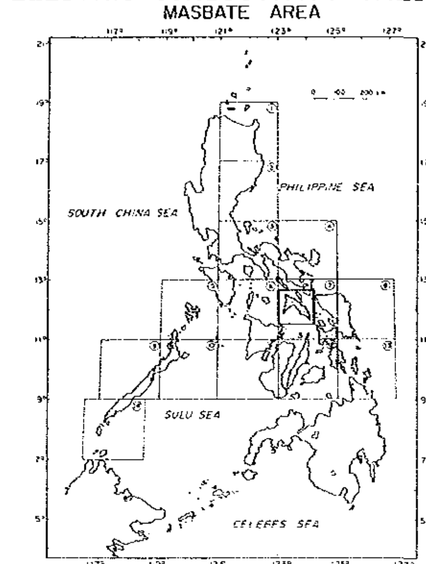


PL. 4 – 3

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



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METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

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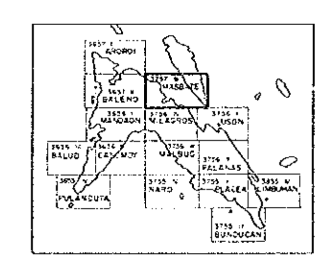
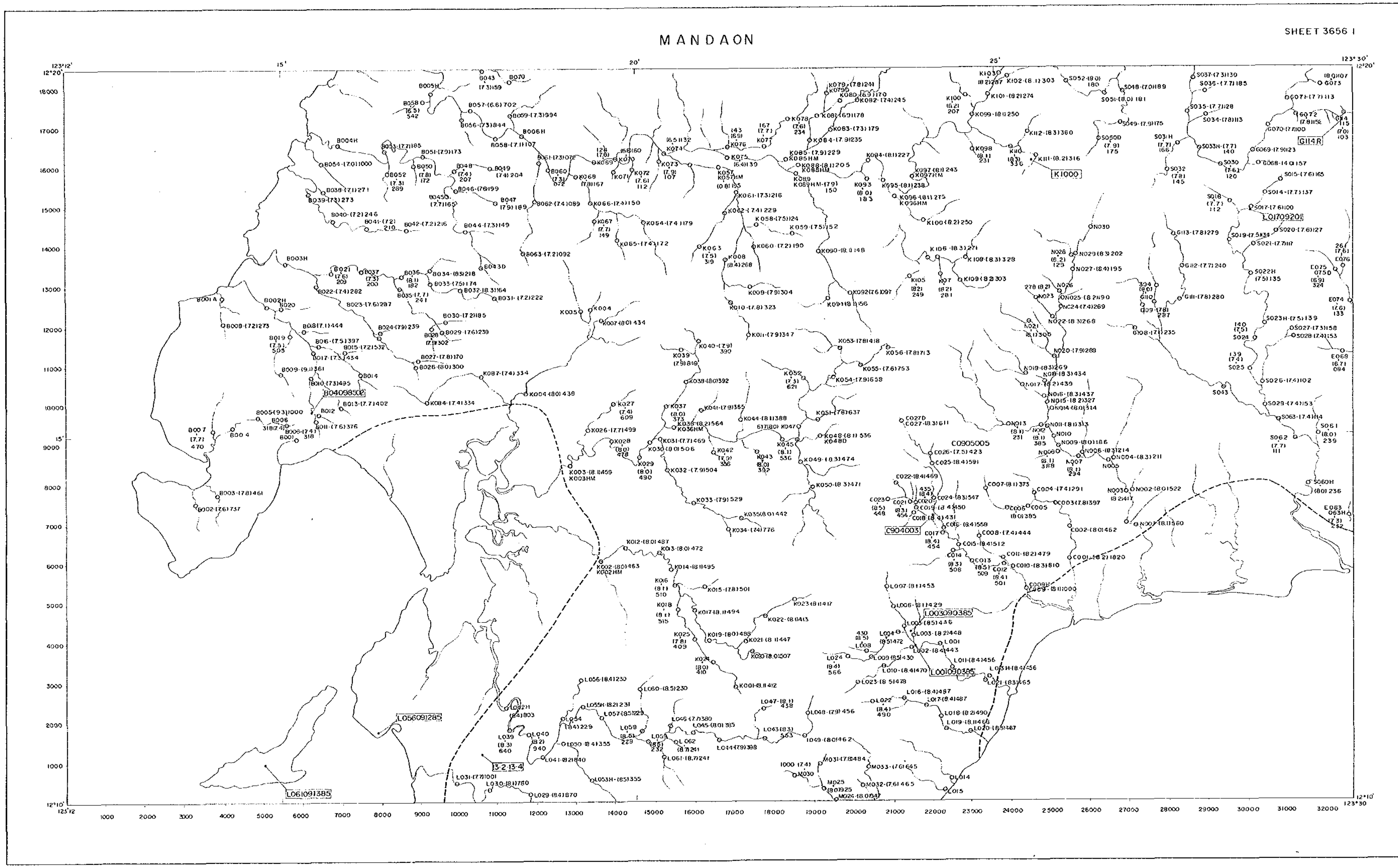


O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

280 : Electric conductivity (μs/cm)

[8–48] : Sampling point (for laboratory work)



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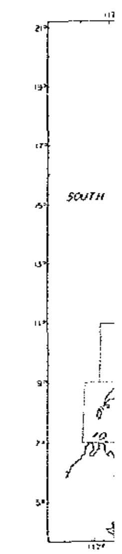

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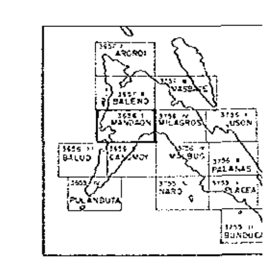
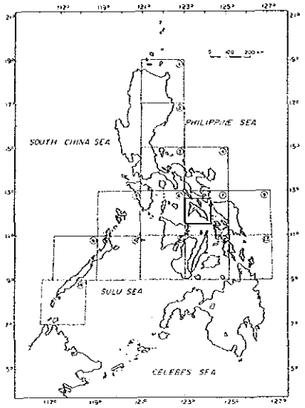


THE MINERAL EXPLORATION
– MINERAL DEPOSITS AND TECTONICS OF TWO CONTRASTING GEOLOGIC ENVIRONMENTS –
IN
THE REPUBLIC OF THE PHILIPPINES
PHASE Ⅱ

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES

MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

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15' 20' 25' 123°30' 12°20'

3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000

123°30' 12°10'

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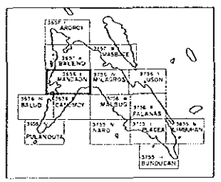
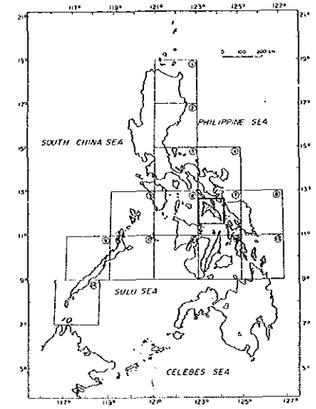


- O : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs /cm)
- 8-48 : Sampling point (for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

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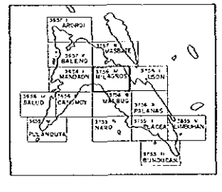

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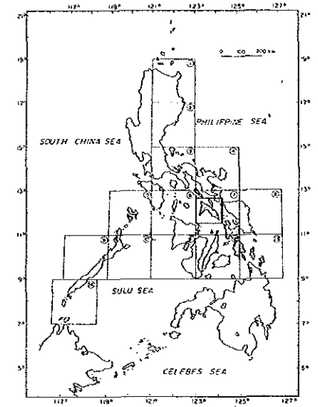
THE MINERAL EXPLORATION
– MINERAL DEPOSITS AND TECTONICS OF TWO CONTRASTING GEOLOGIC ENVIRONMENTS IN THE REPUBLIC OF THE PHILIPPINES PHASE I

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



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METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

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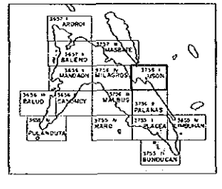

O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

280 : Electric conductivity (μs /cm)

B-48 : Sampling point (for laboratory work)

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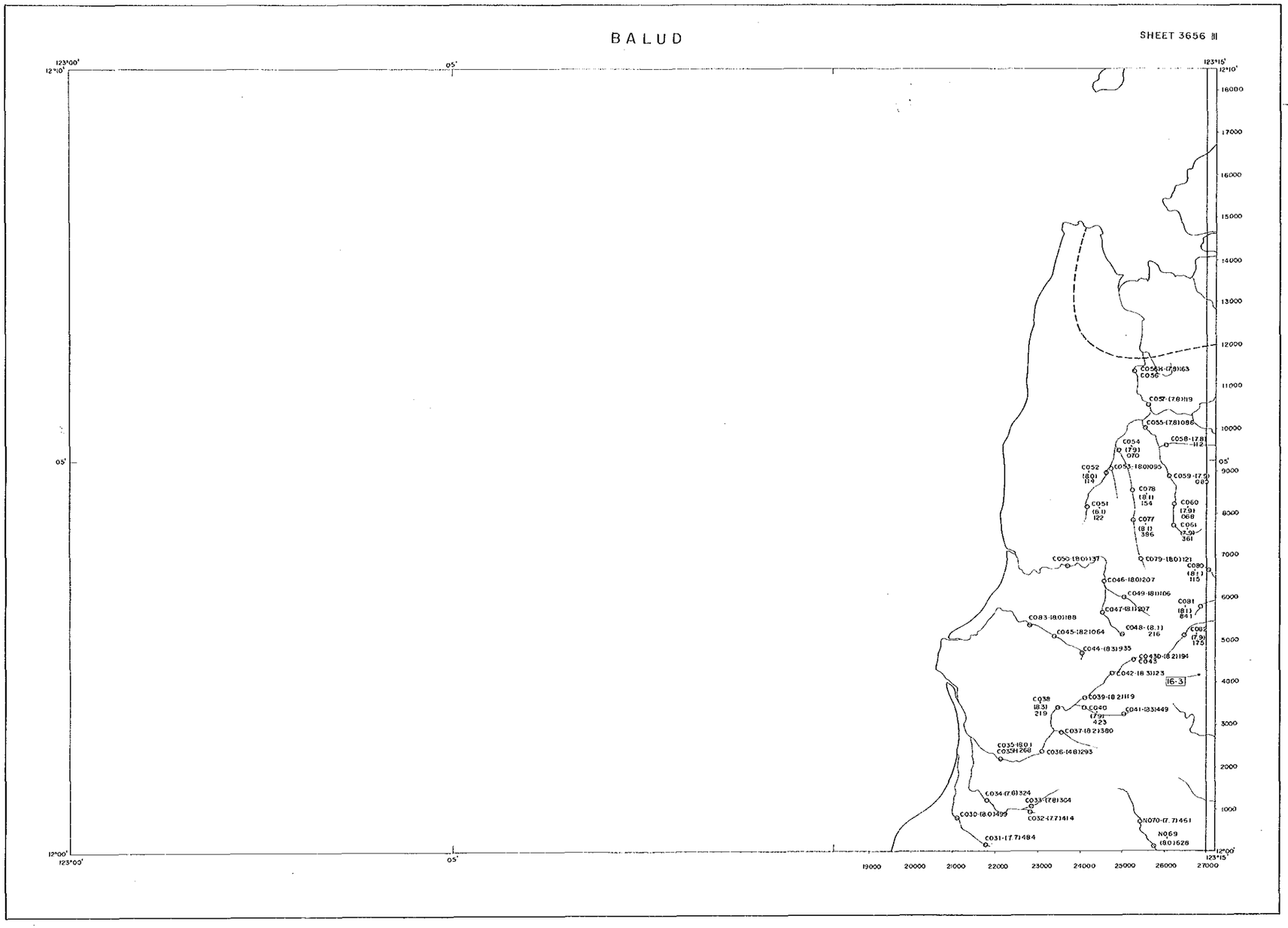
SHEET 3756 I

123°45' 50' 55' 124°00'
12°20' 15' 12°10'

C160-(84)615
C161 (87) 692
C162-(82)631
C163-(82)766
C164-(82)630
C165-(81)569
C166-(81)624
C167-(80)753
C168-(85)783
C169-(81)751
C170-(84)720
C171-(79)708
C172-(84)618
L171-(84)633
L172-(84)632
L173-(84)621
L175-(84)514
L176-(81)622
J181-(81)331
J182-(87)305
J178-(85)531
B195-(88)393
B194 (85) 590
B197-(81)354
B196-(86)457
B198-(82)351
B193-(76)244
N105-(78) 431
N170-(79)705
N164 (77)319
N169 (81) 706
N172-(76)691
N171-(77)700
N163 (76) 661
N166 (79) 633
N168-(76)696
N167-(77)714
N173-(76)657

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000 18000

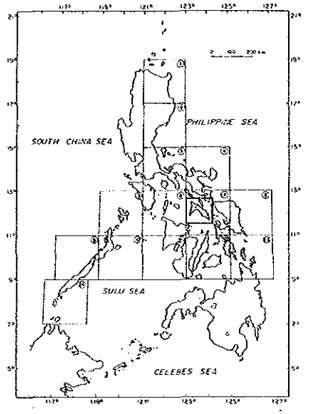


PL. 4-7

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES

MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

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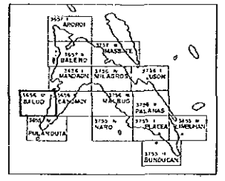


O : Sampling point (Stream sediment, heavy mineral)

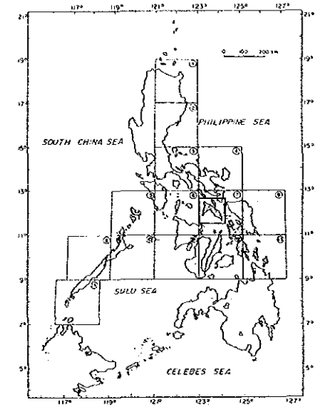
(7.0) : pH

280 : Electric conductivity (μs/cm)

B-48 : Sampling point (for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

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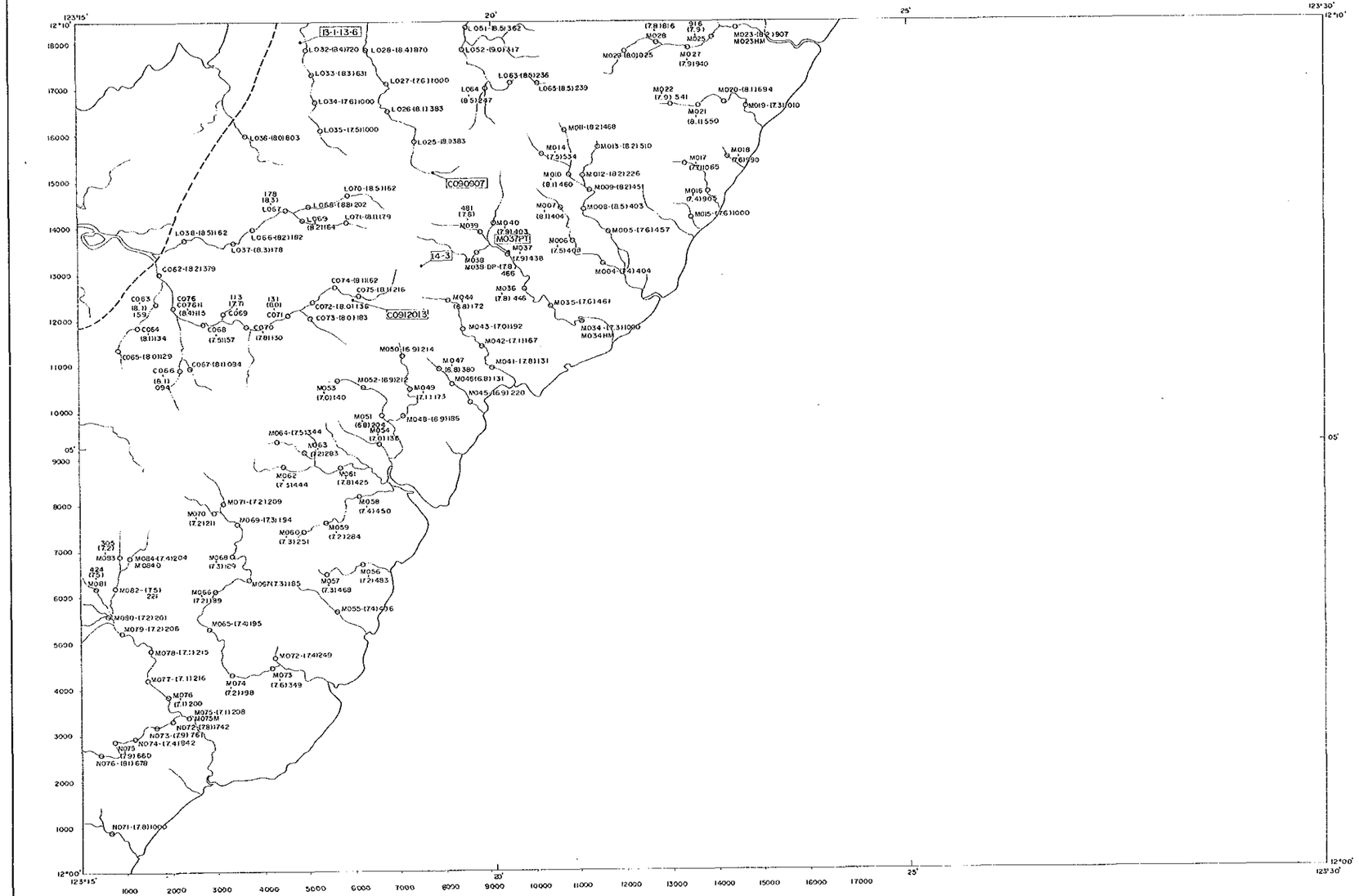

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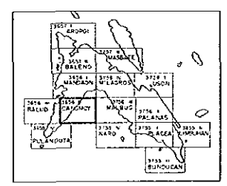

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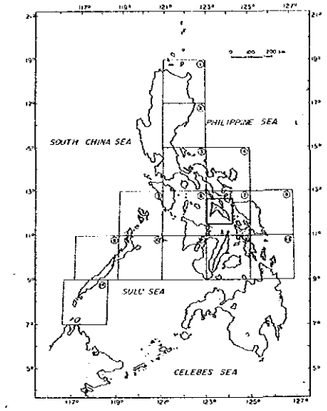
B-48 : Sampling point (for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

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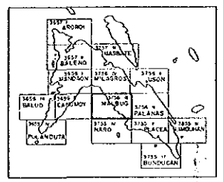


O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

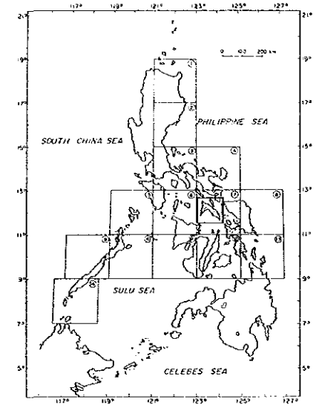
280 : Electric conductivity (μs /cm)

B-48 : Sampling point (for laboratory work)

PL. 4 -10

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

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123°45' 12°10' 124°00' 12°00'

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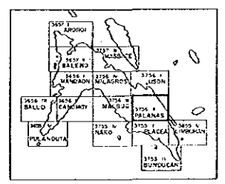

O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

280 : Electric conductivity (μs/cm)

B-48 : Sampling point (for laboratory work)

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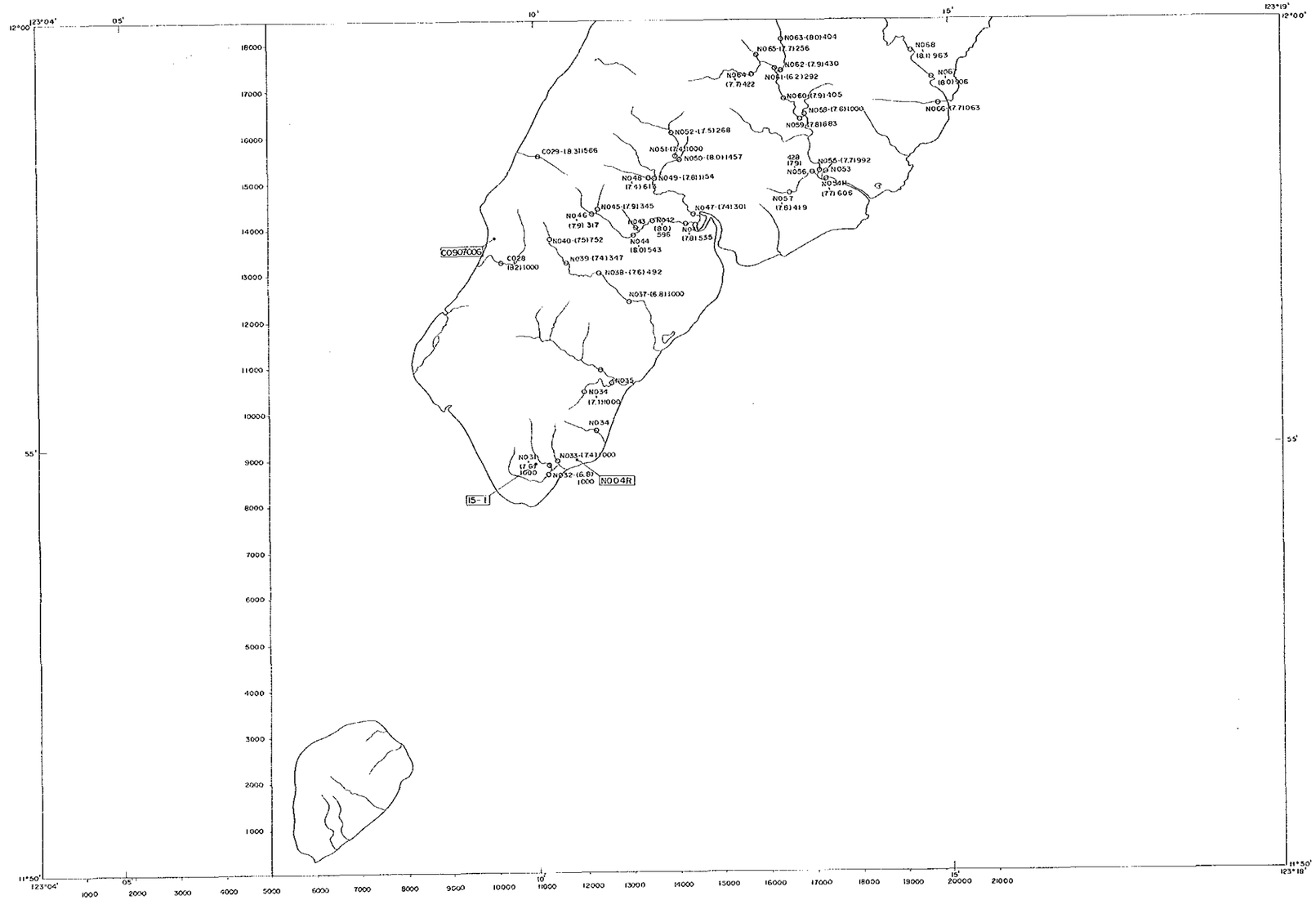

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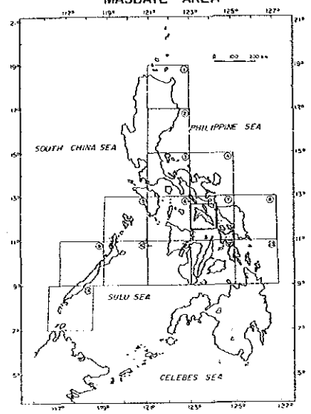
PL. 4-11

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

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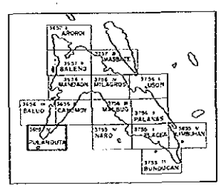


O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

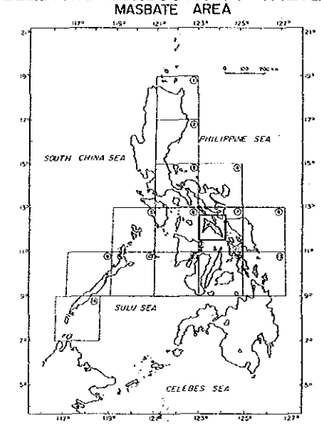
280 : Electric conductivity (μs/cm)

B-48 : Sampling point (for laboratory work)

PL. 4 -12

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

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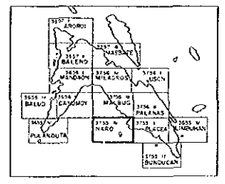

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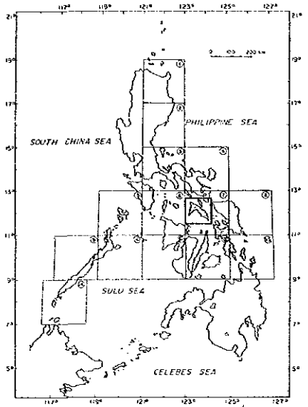
B-48 : Sampling point (for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



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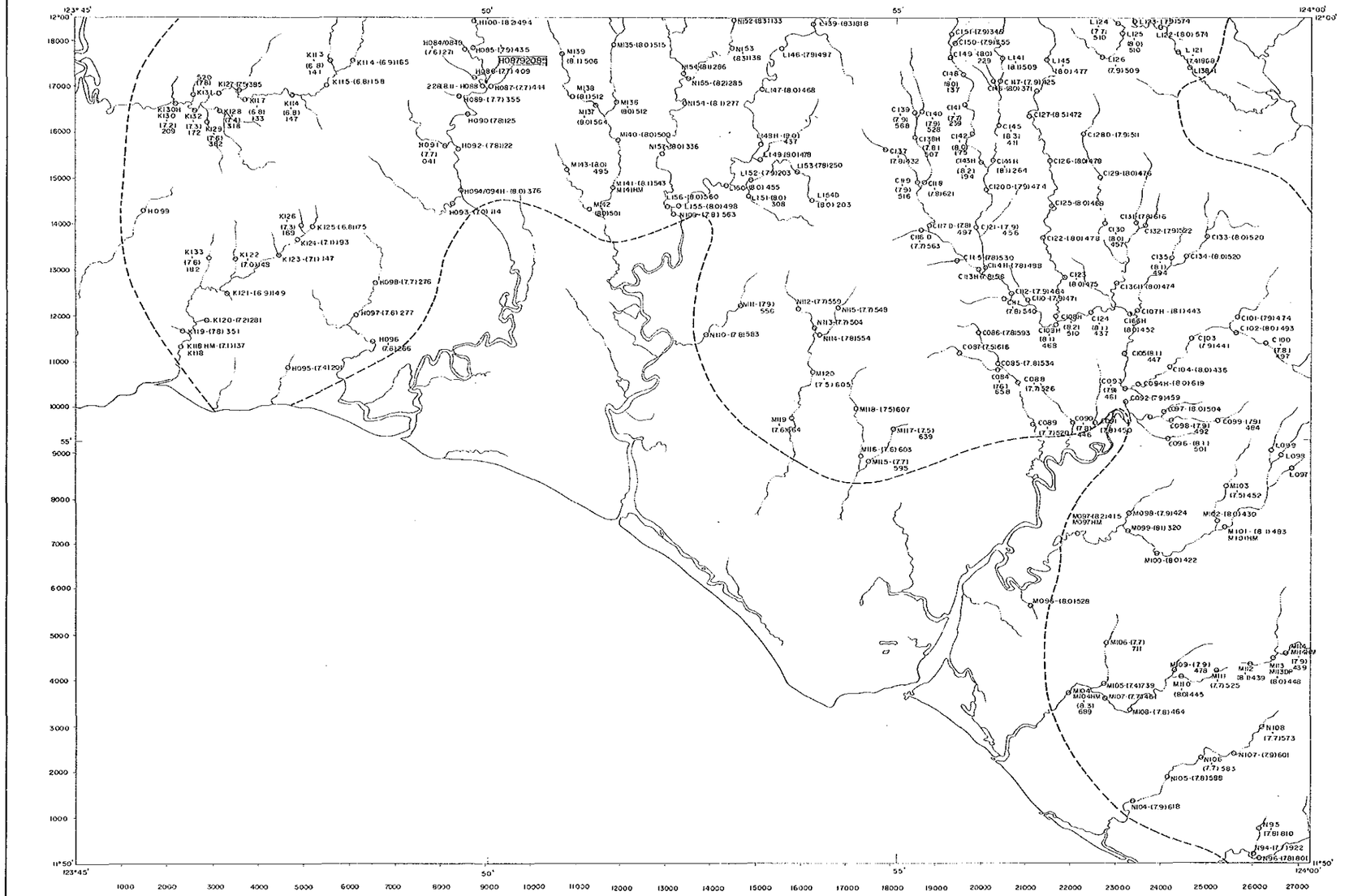
METAL MINING AGENCY OF JAPAN
MARCH 1986

PLACER

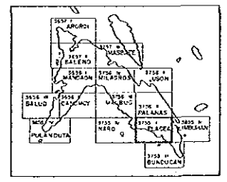
SHEET 3755 I



Scale 1 : 50,000

0 2 4 km

LEGEND



○ : Sampling point (Stream sediment, heavy mineral)

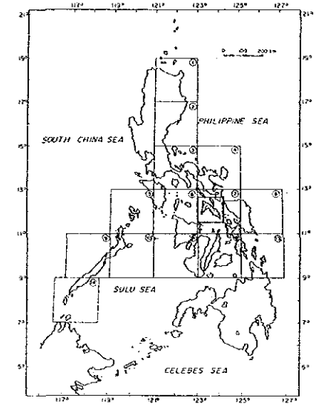
(7.0) : pH

280 : Electric conductivity (μs /cm)

B-48 : Sampling point (for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

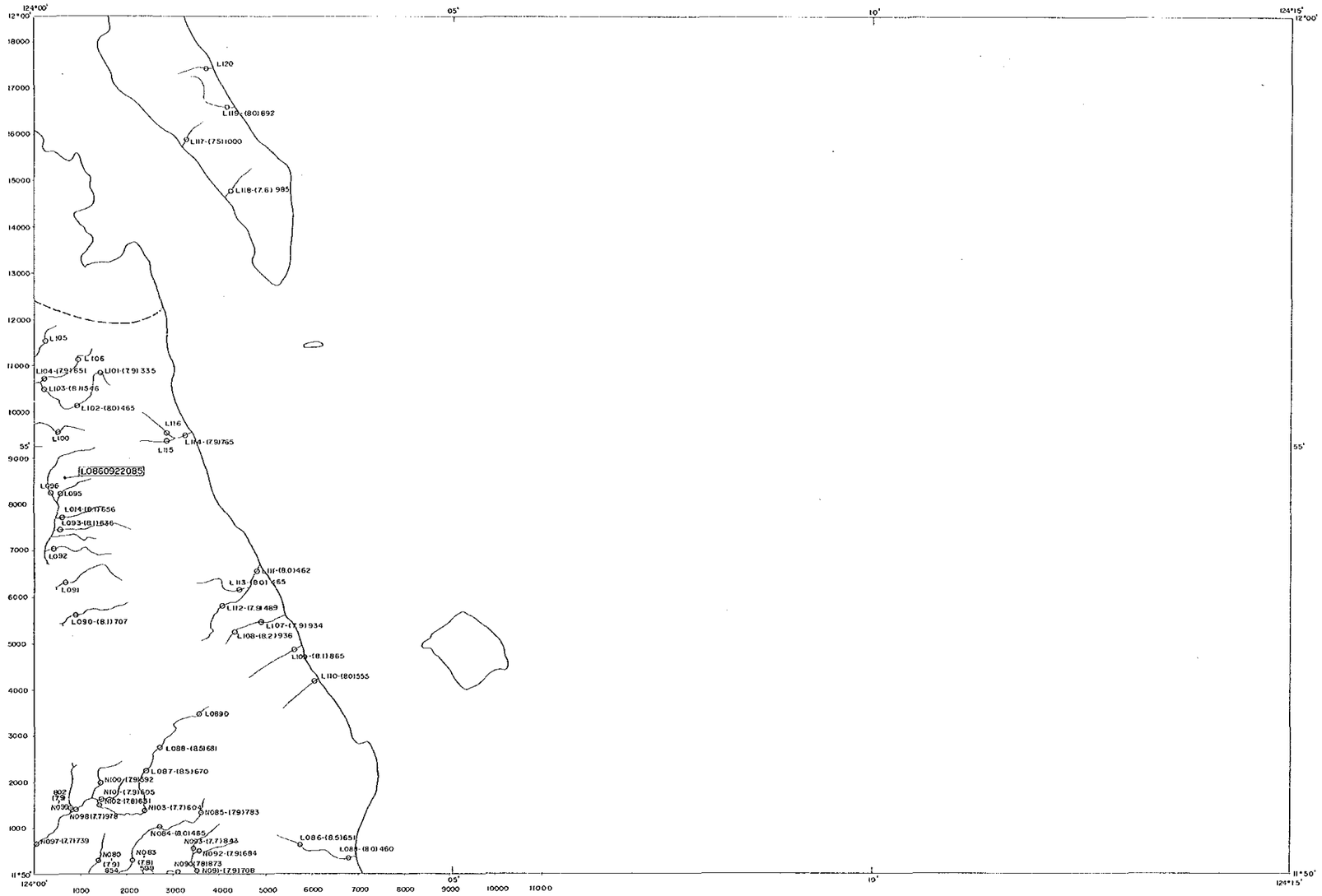
MARCH 1986

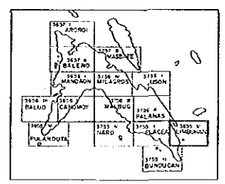
Scale 1 : 50,000

0 2 4 km

LIMBUHAN

SHEET 3855 IV





LEGEND

○	:	Sampling point (Stream sediment, heavy mineral)
(7.0)	:	pH
280	:	Electric conductivity (μs/cm)
B-48	:	Sampling point (for laboratory work)

BUNDUCAN

SHEET 3755 II

123°49'
11°50'

124°05'
11°50'

11°40'
123°49'

11°40'
124°05'

N

18000
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000

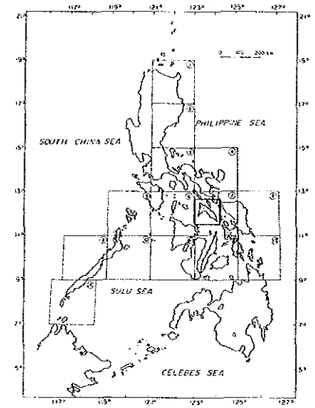
16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000

PL

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

SAMPLING POINT, pH VALUES AN ELECTRIC CONDUCTIVITY VALUES

MASBATE AREA

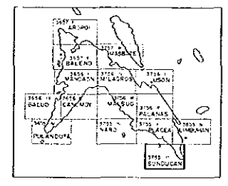


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



○ : Sampling point (Stream / heavy

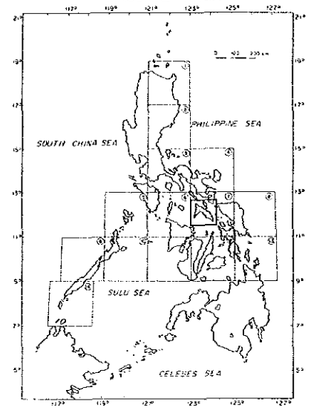
(7.0) : pH

280 : Electric conductivity (

B-48 : Sampling point for labo

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

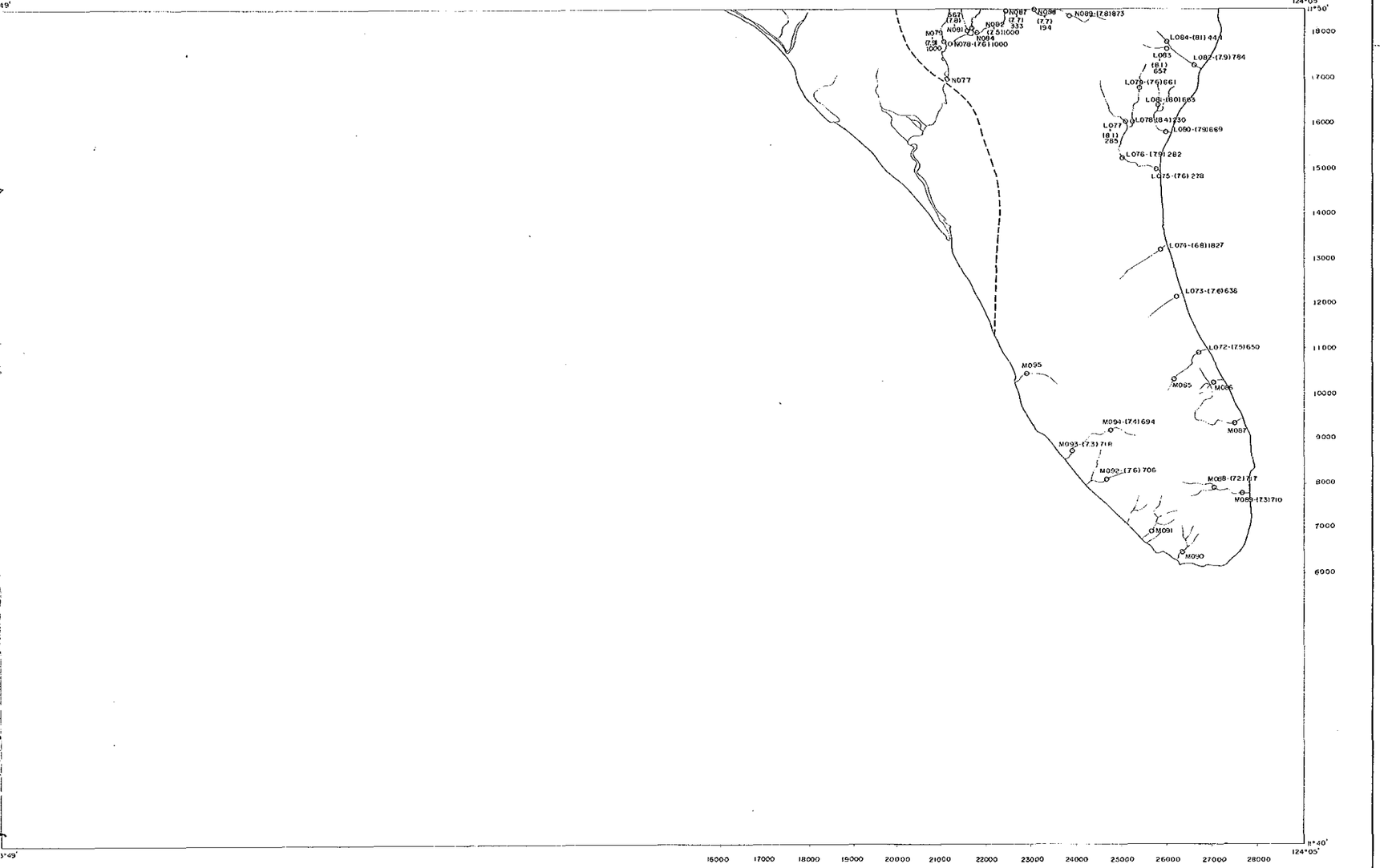
SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
MASBATE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

BUNDUCAN

SHEET 3755 II

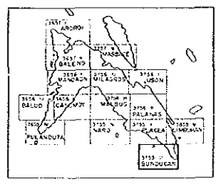


N

Scale 1 : 50,000

0 2 4 km

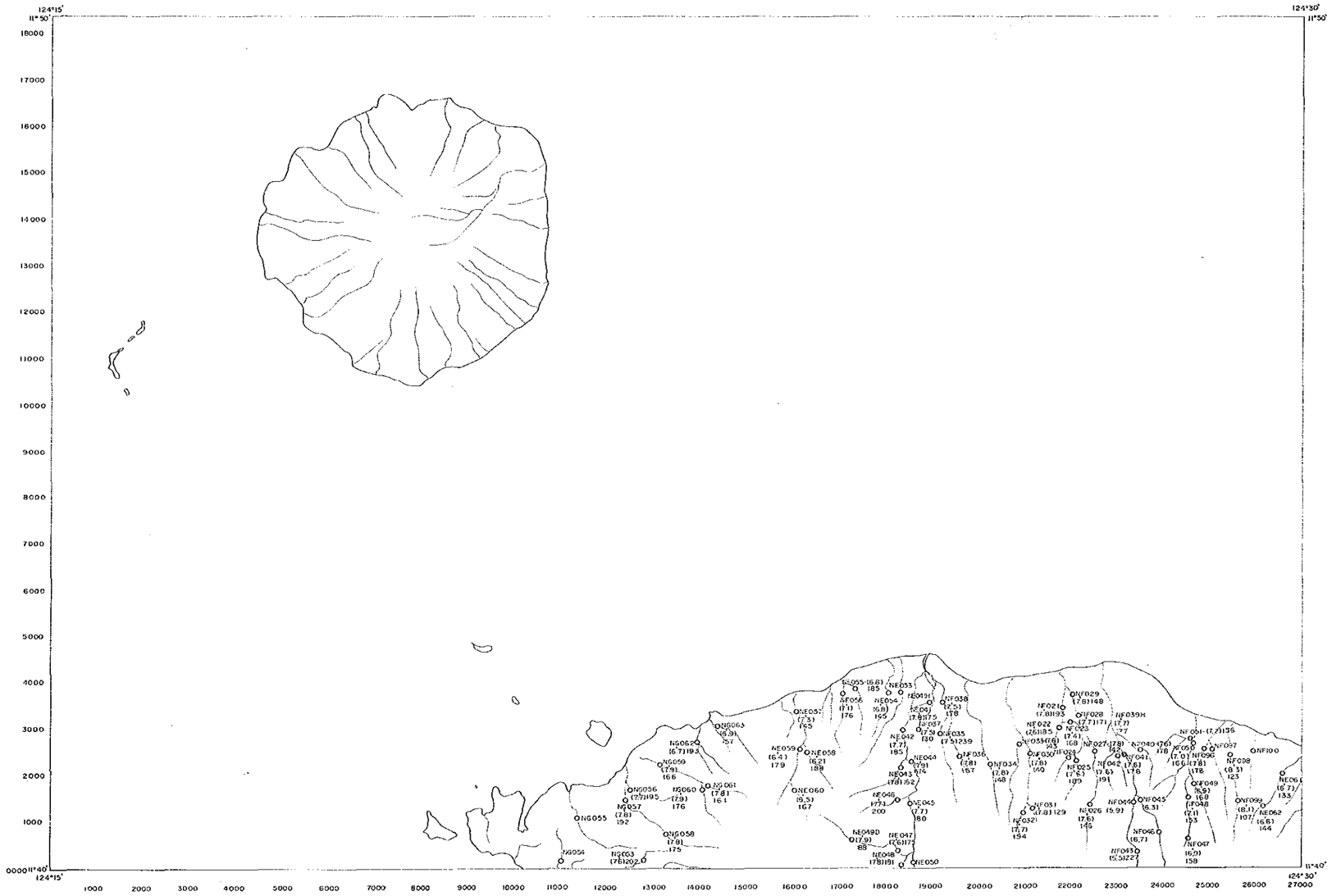
LEGEND

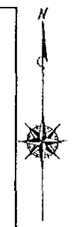


- O : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs /cm)
- B-48 : Sampling point (for laboratory work)

KAWAYAN

SHEET 3855 II

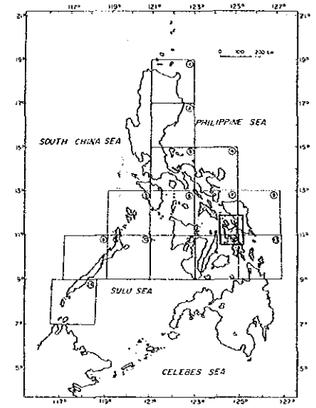




THE MINERAL EXPLORATION
– MINERAL DEPOSITS AND TECTONICS OF TWO CONTRASTING GEOLOGIC ENVIRONMENTS –
IN
THE REPUBLIC OF THE PHILIPPINES
PHASE I

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES

NORTHERN LEYTE AREA



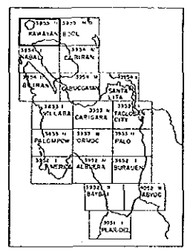
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

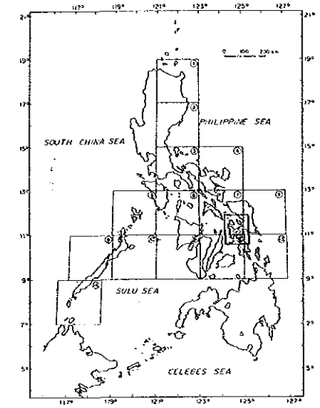
280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

PL. 5 – 2

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

BOOL

SHEET 3955 III

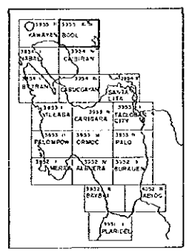
124°30' 11°50' 124°45' 11°50' 11°40' 124°45' 124°30'

18000 17000 16000 15000 14000 13000 12000 11000 10000 9000 8000 7000 6000 5000 4000 3000 2000 1000 000011°40'

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000

NE063 (7.4) 177
NE064
NE065 (6.6) 206
NE066 (6.5) 352
NE067 (6.9) 193
NE068
NE069 (6.8) 172

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

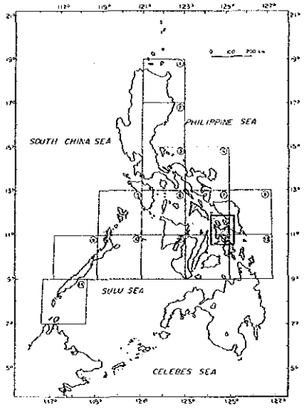
280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES

NORTHERN LEYTE AREA

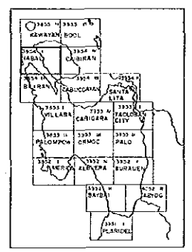


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

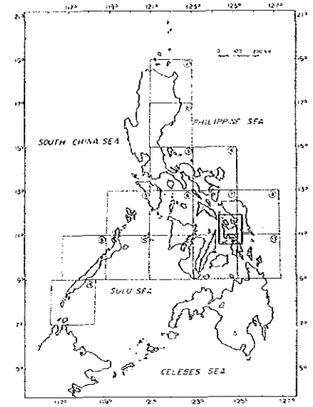
LEGEND



- ○ : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs/cm)
- B-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA

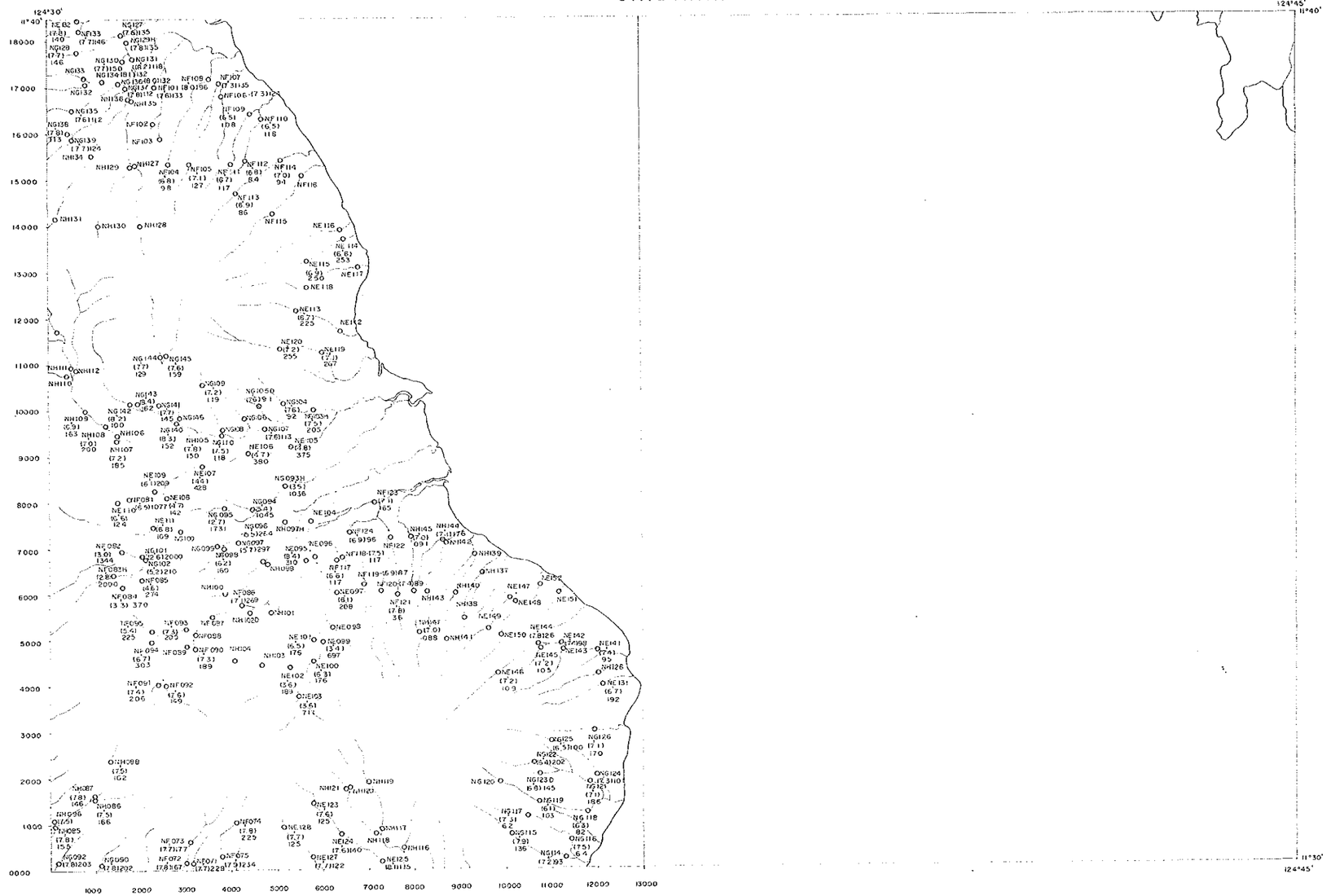


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

SHEET 3954 IV

CAIBIRAN

124°30' 124°45' 11°40' 11°30'

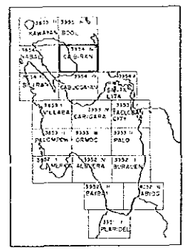


N

Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

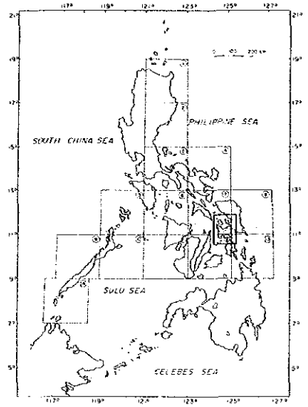
280 : Electric conductivity (μs/cm)

8-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES

NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

SHEET 3954 IV

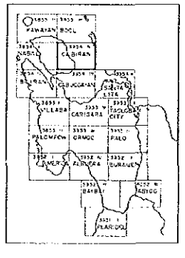
CAIBIRAN

124°30' 124°45' 11°40' 11°30'

Scale 1 : 50,000

0 2 4 km

LEGEND



○ : Sampling point (Stream sediment, heavy mineral)

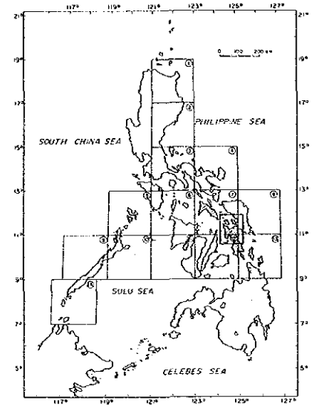
(7.0) : pH

280 : Electric conductivity (μs/cm)

8-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

BILIRAN

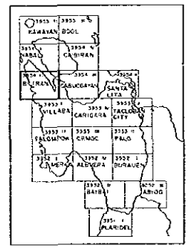
SHEET 3854 Ⅱ

124°15' 11°30' — 124°30' 11°30' — 11°20'

Scale 1 : 50,000

0 2 4 km

LEGEND

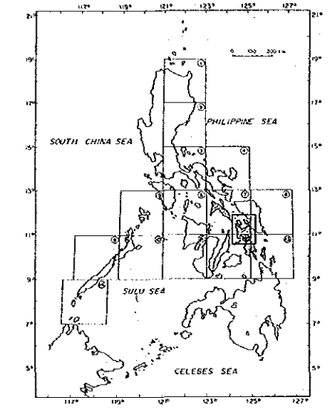


- ○ : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs/cm)
- B-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES.

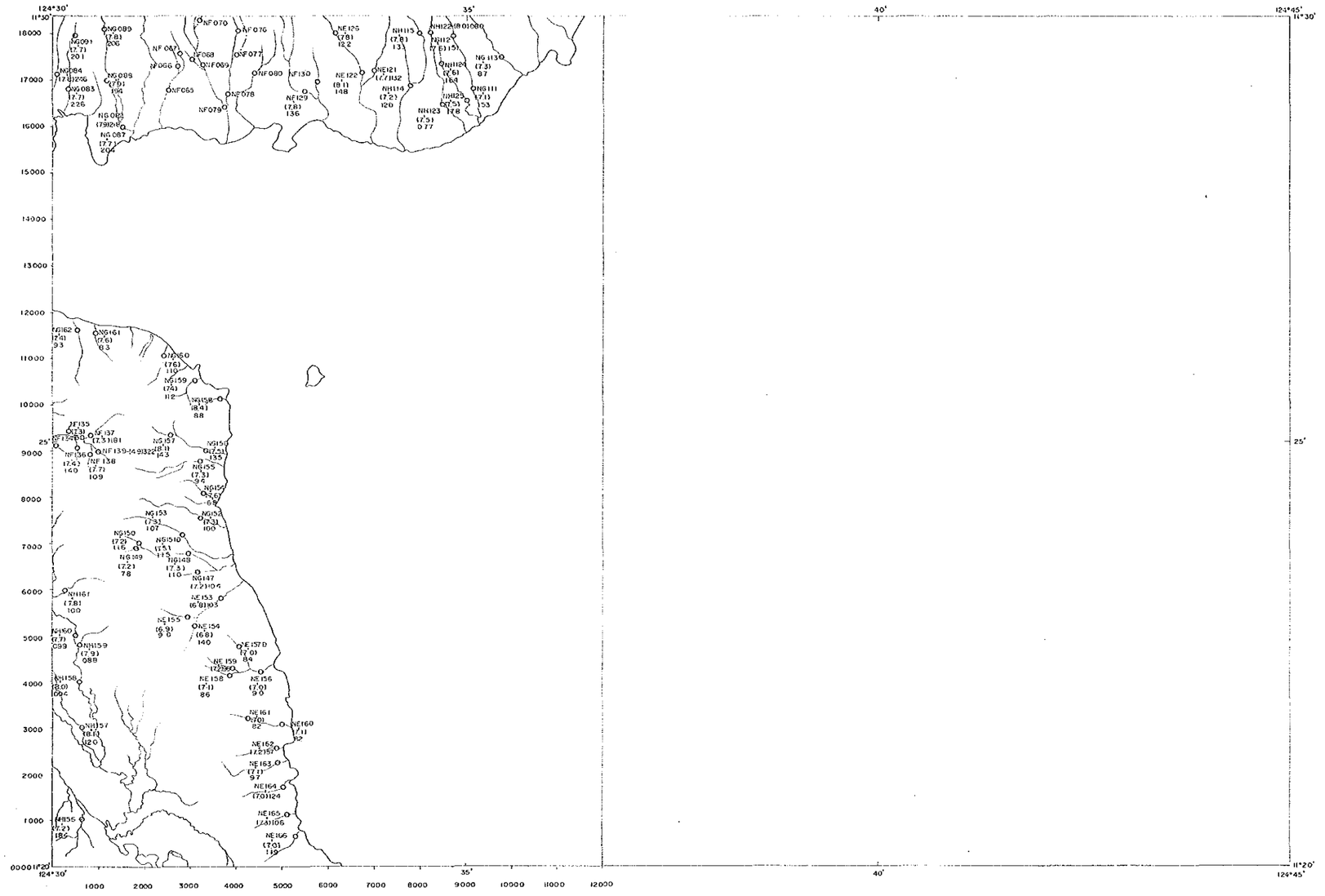
NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

CABUCGAYAN

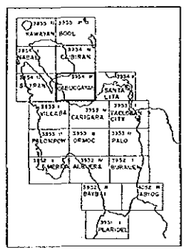
SHEET 3954 III



Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

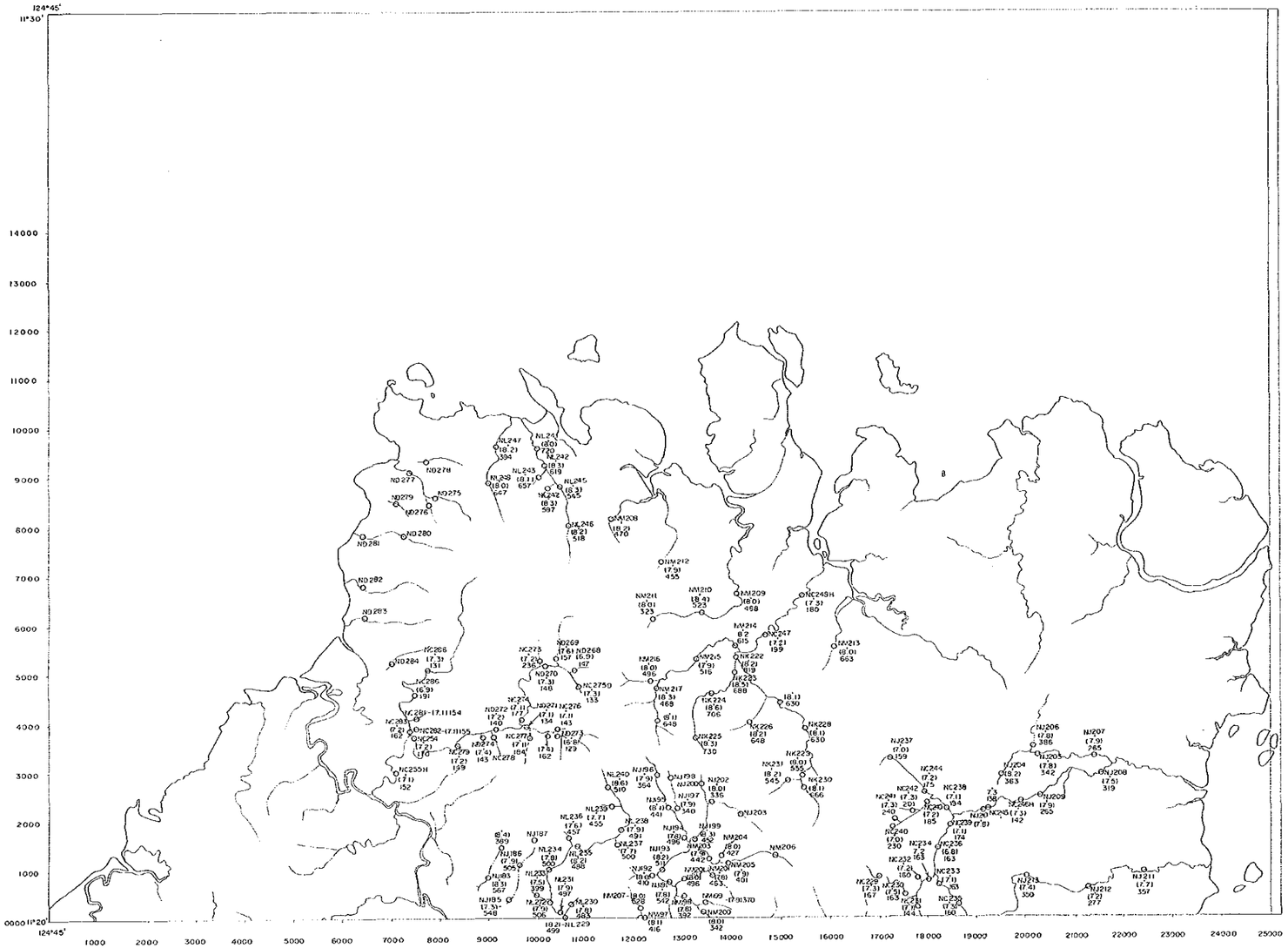
(7.0) : pH

280 : Electric conductivity (μs/cm)

B-46 : Sampling point for laboratory work)

SHEET 3954 II

SANTA RITA

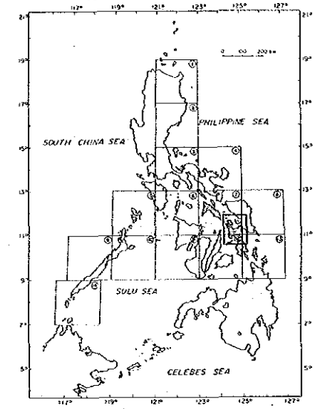


N

PL. 5 - 7

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA

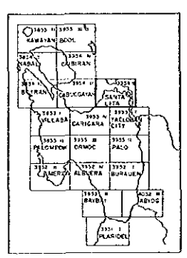


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

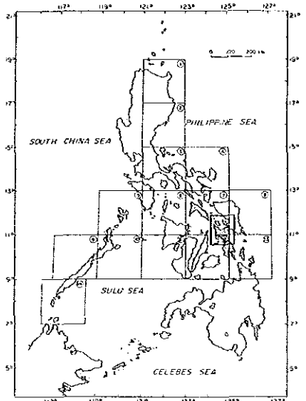
LEGEND



- O : Sampling point (Stream sediment, heavy mineral)
- (7.01) : pH
- 280 : Electric conductivity (μs/cm)
- B-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

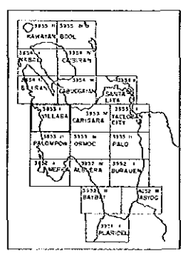
VILLABA

SHEET 3853 I

124°19'30" 124°34'30" 11°20' 11°10'

N

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

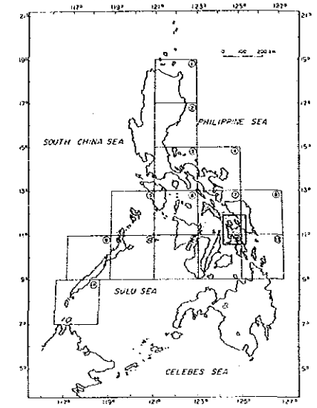
(7.0) : pH

260 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA

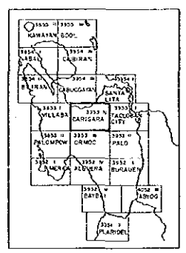


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

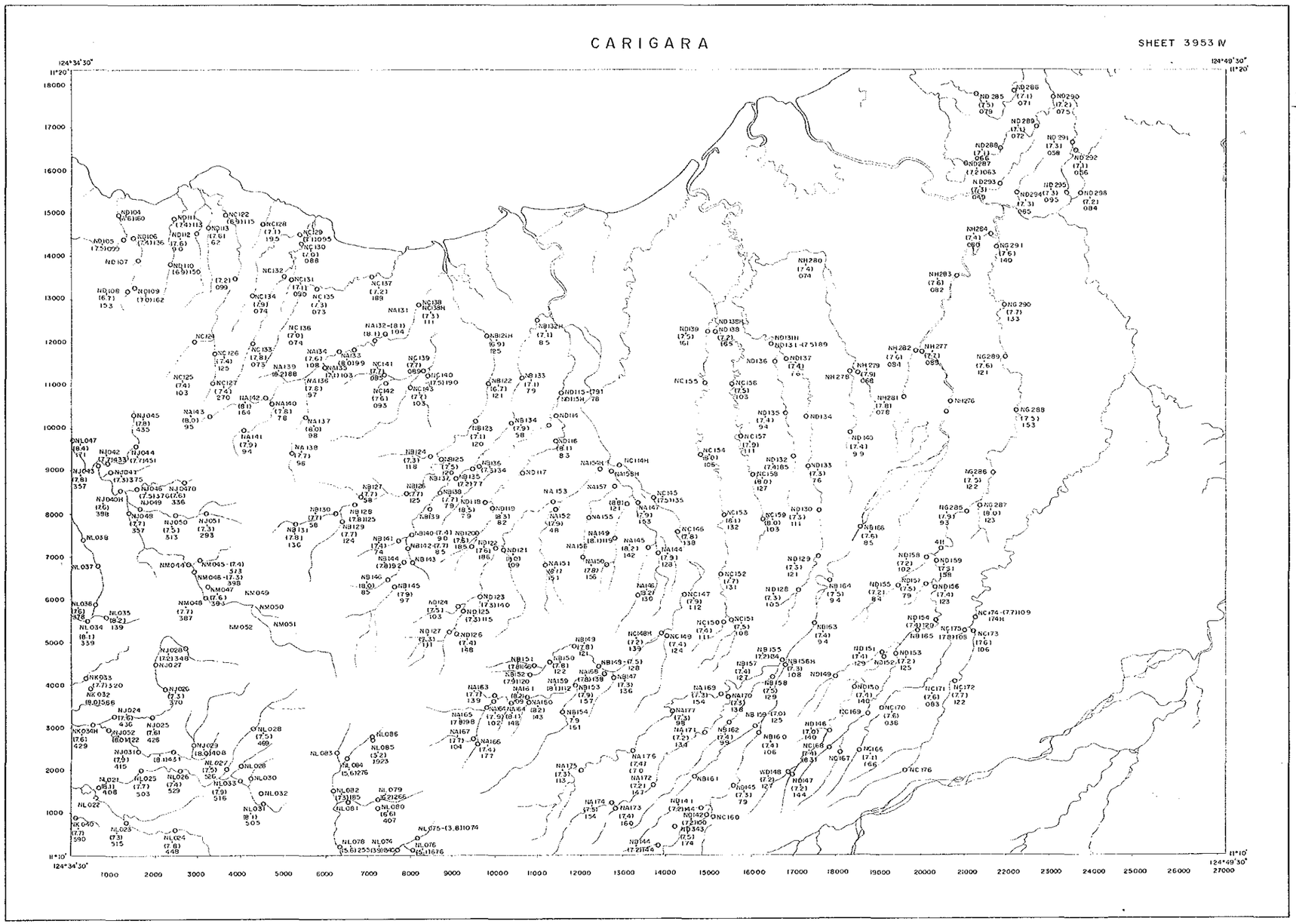
Scale 1 : 50,000

0 2 4 km

LEGEND

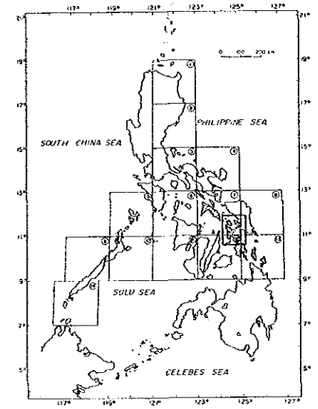


- ○ : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs/cm)
- B-48 : Sampling point for laboratory work)



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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

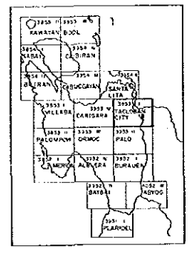
0 2 4 km

TACLOBAN CITY

SHEET 3953 I

124°49'30" 125°04'30" 11°20' 11°10'

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

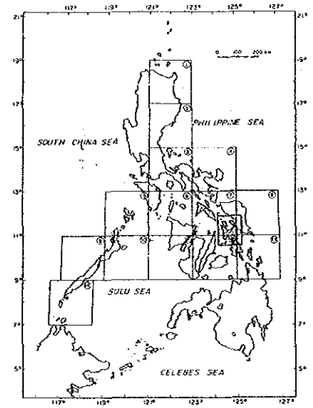
280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

PL. 5 - 11

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA

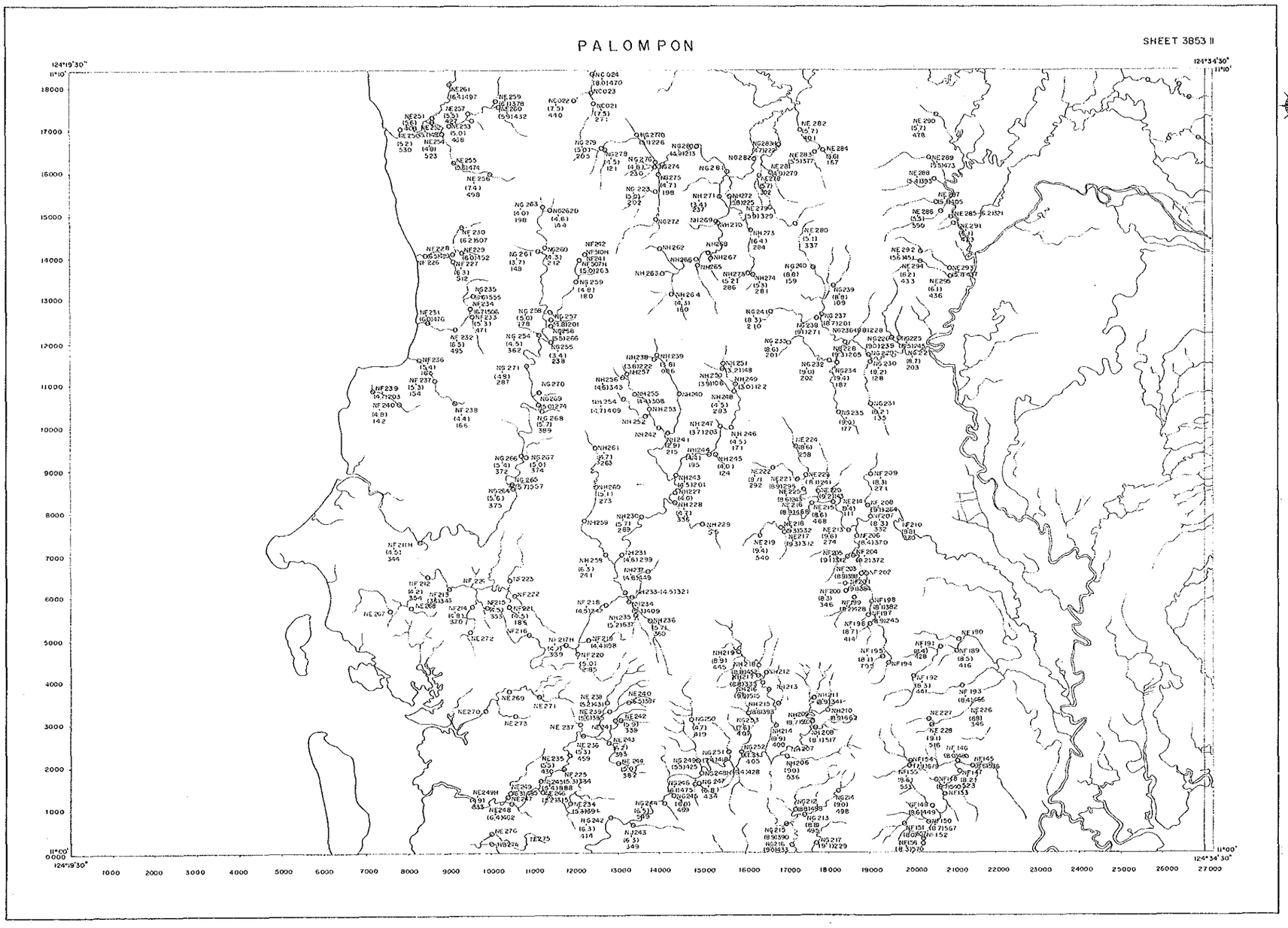


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

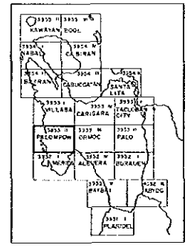
MARCH 1986

Scale 1 : 50,000

0 2 4 km



LEGEND



O : Sampling point (Stream sediment, heavy mineral)

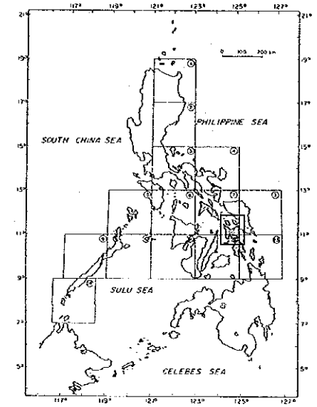
(7.0) : pH

280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

0 2 4 km

ORMOC

SHEET 3953 III

124°34'30" 35' 124°49'30"

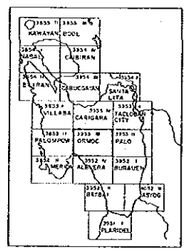
11°00' 05' 10' 15' 20' 25' 30' 35' 40' 45' 50' 55' 12°00'

18000 17000 16000 15000 14000 13000 12000 11000 10000 9000 8000 7000 6000 5000 4000 3000 2000 1000 0000

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000

LAKE DANAO

LEGEND



○ : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

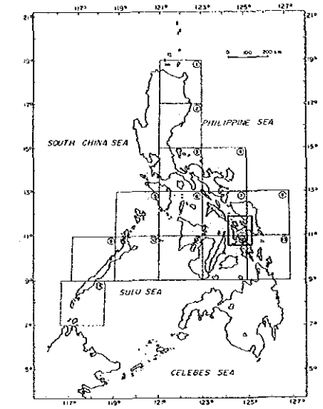
280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

PL. 5 - 13

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

PALO

SHEET 3953 II

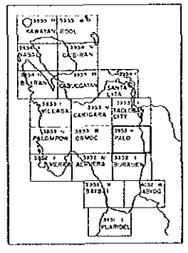
124°49'30" 11°10' 125°04'30" 11°10' 11°00' 124°49'30" 125°04'30"

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000

18000 17000 16000 15000 14000 13000 12000 11000 10000 9000 8000 7000 6000 5000 4000 3000 2000 1000 0000

N

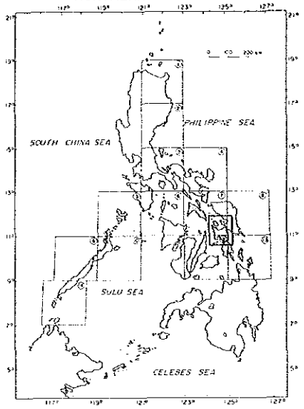
LEGEND



- O : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs/cm)
- B-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA

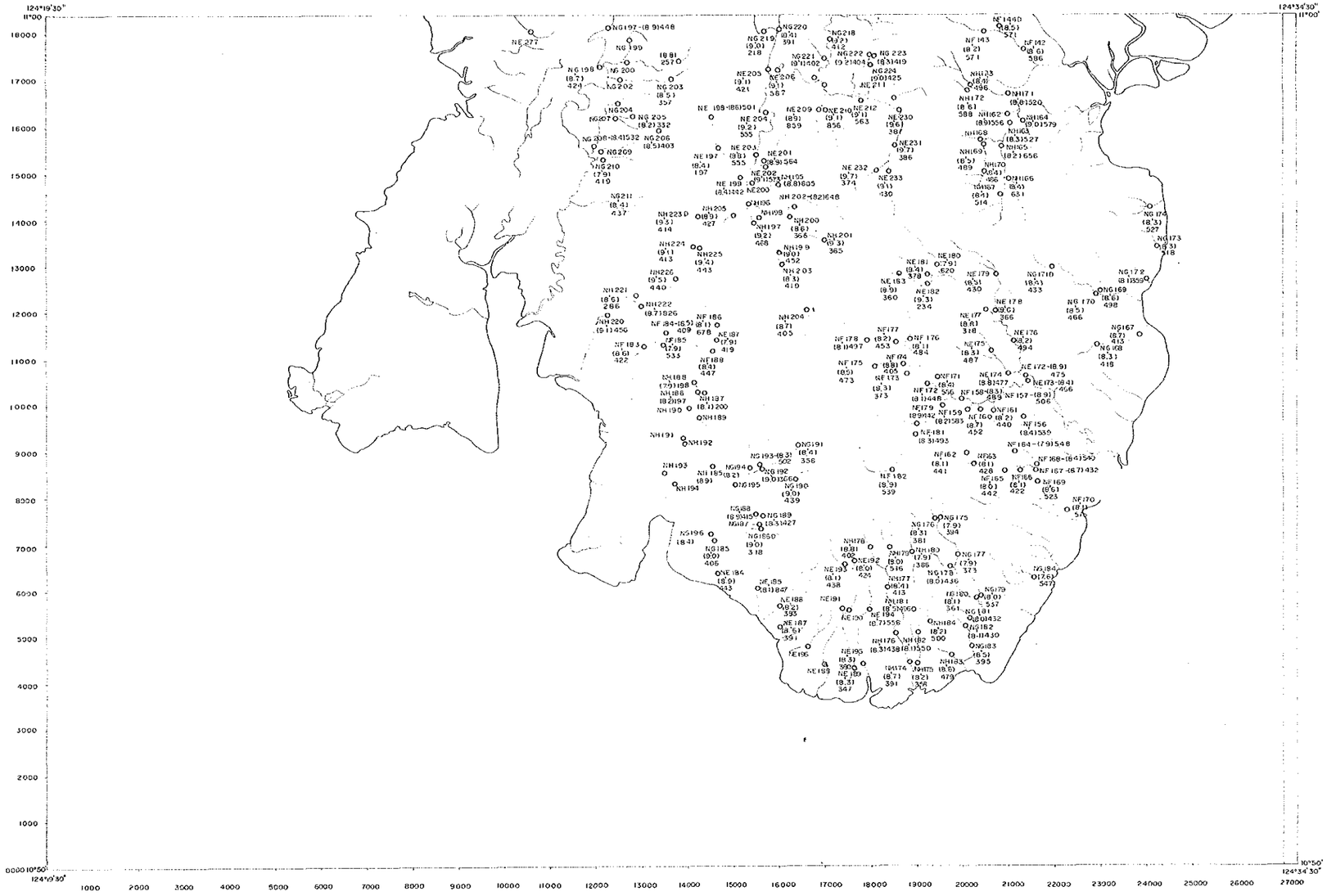


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

MERIDA

SHEET 3852 I

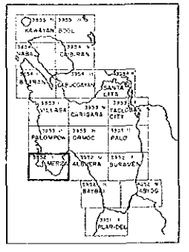


N

Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

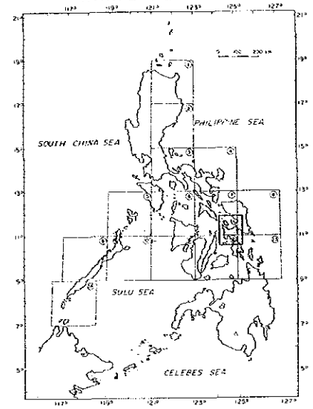
(7.0) : pH

280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA

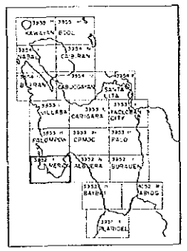


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

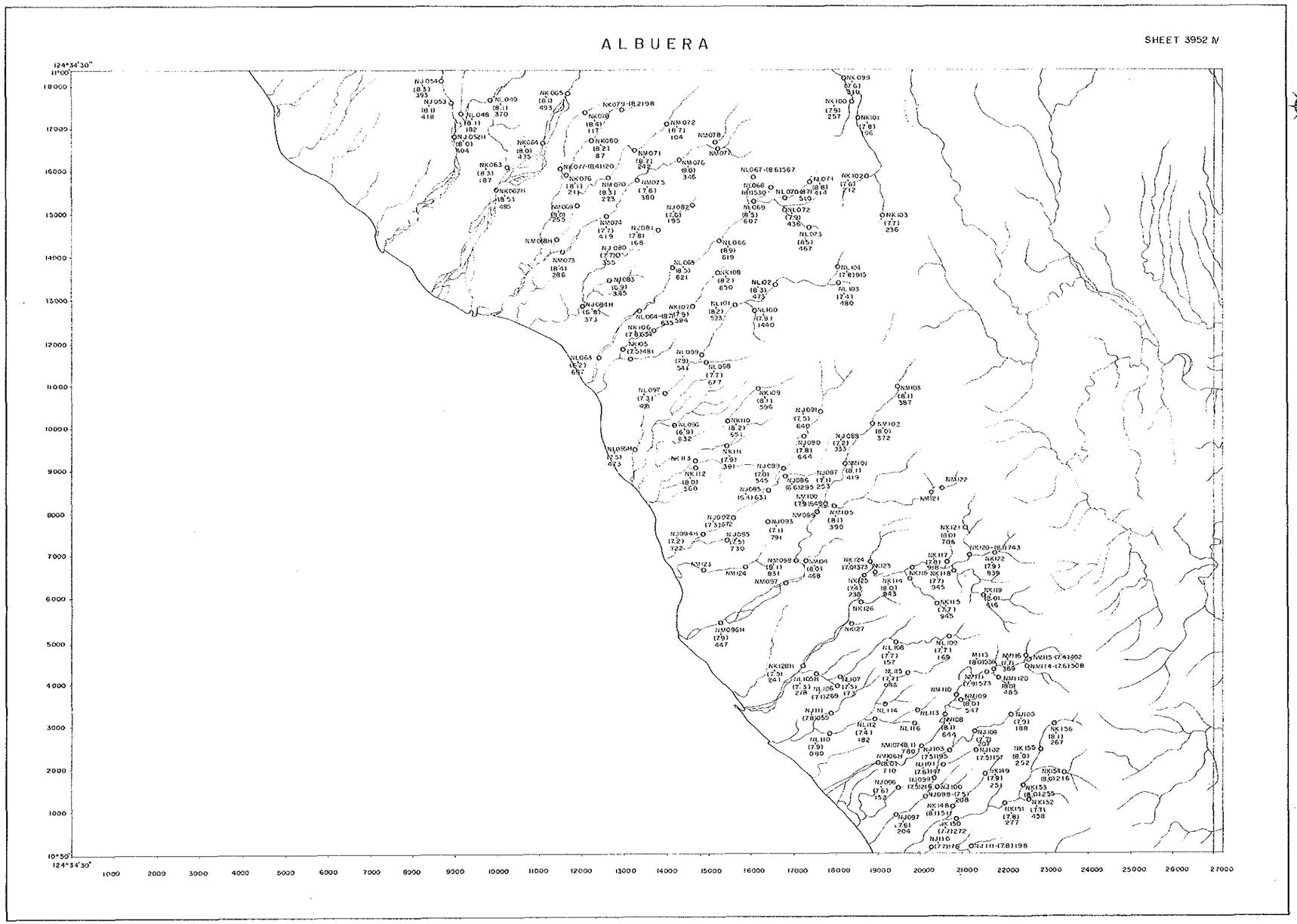
280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

MERIDA

SHEET 3852 I

N

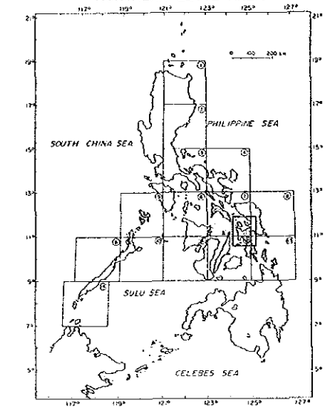


N

PL. 5 - 15

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



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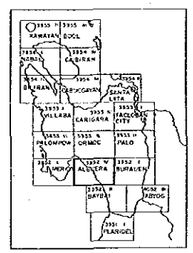
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

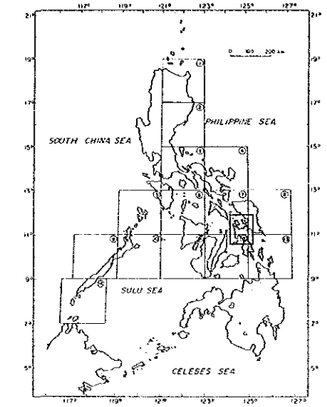
(7.0) : pH

280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA

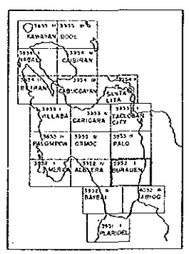


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



○ : Sampling point (Stream sediment, heavy mineral)

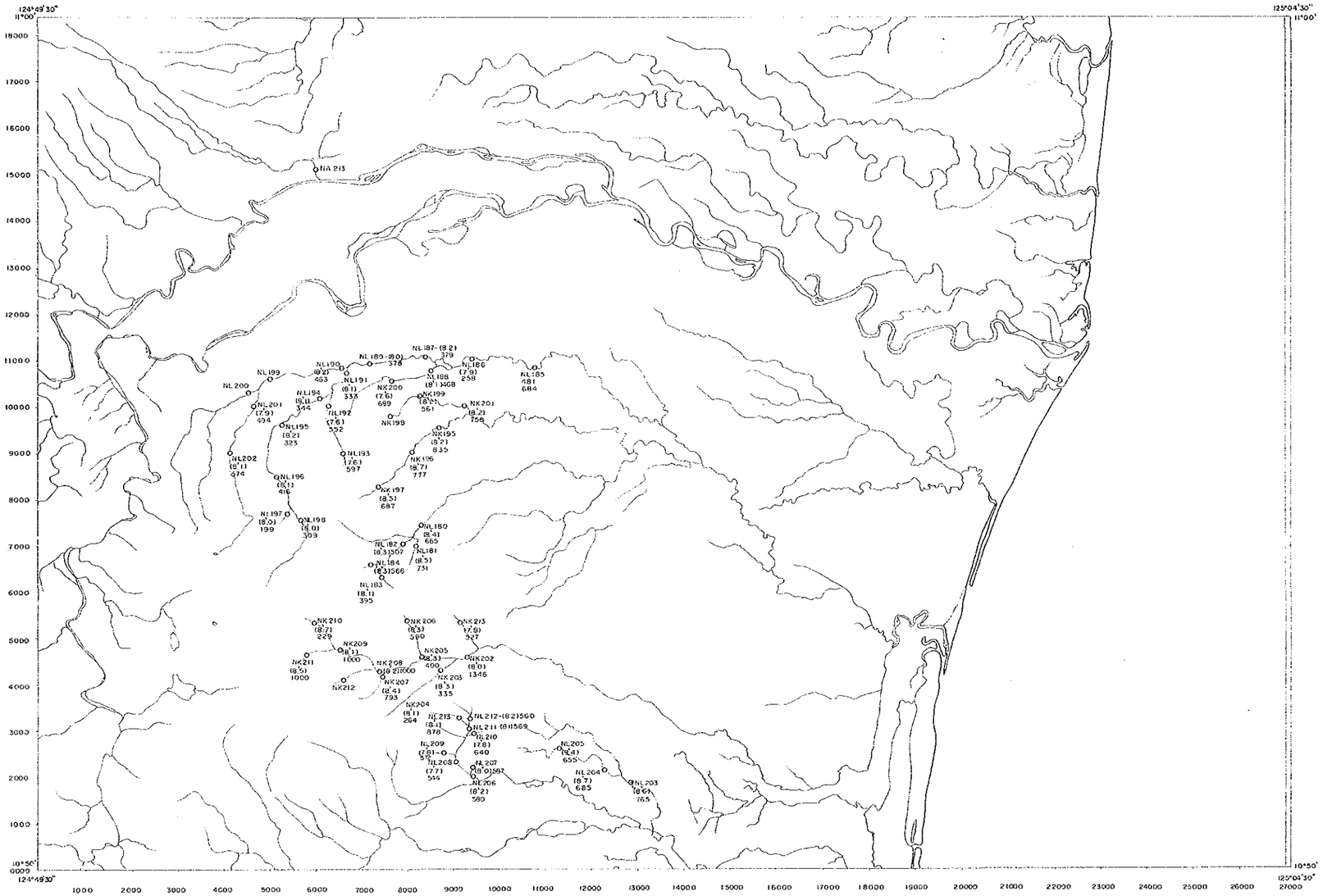
(7.0) : pH

280 : Electric conductivity (μs/cm)

8-48 : Sampling point for laboratory work)

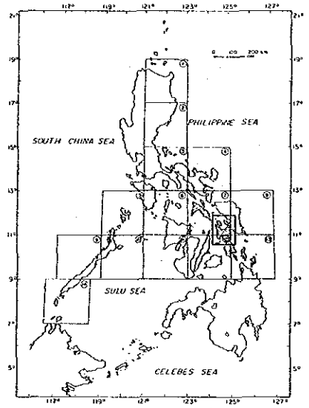
BURAUEN

SHEET 3952 I



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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

BAYBAY

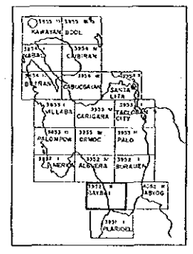
SHEET 3952 II

124°39'30" 10°50' — 124°54'30" 10°50' — 10°40'

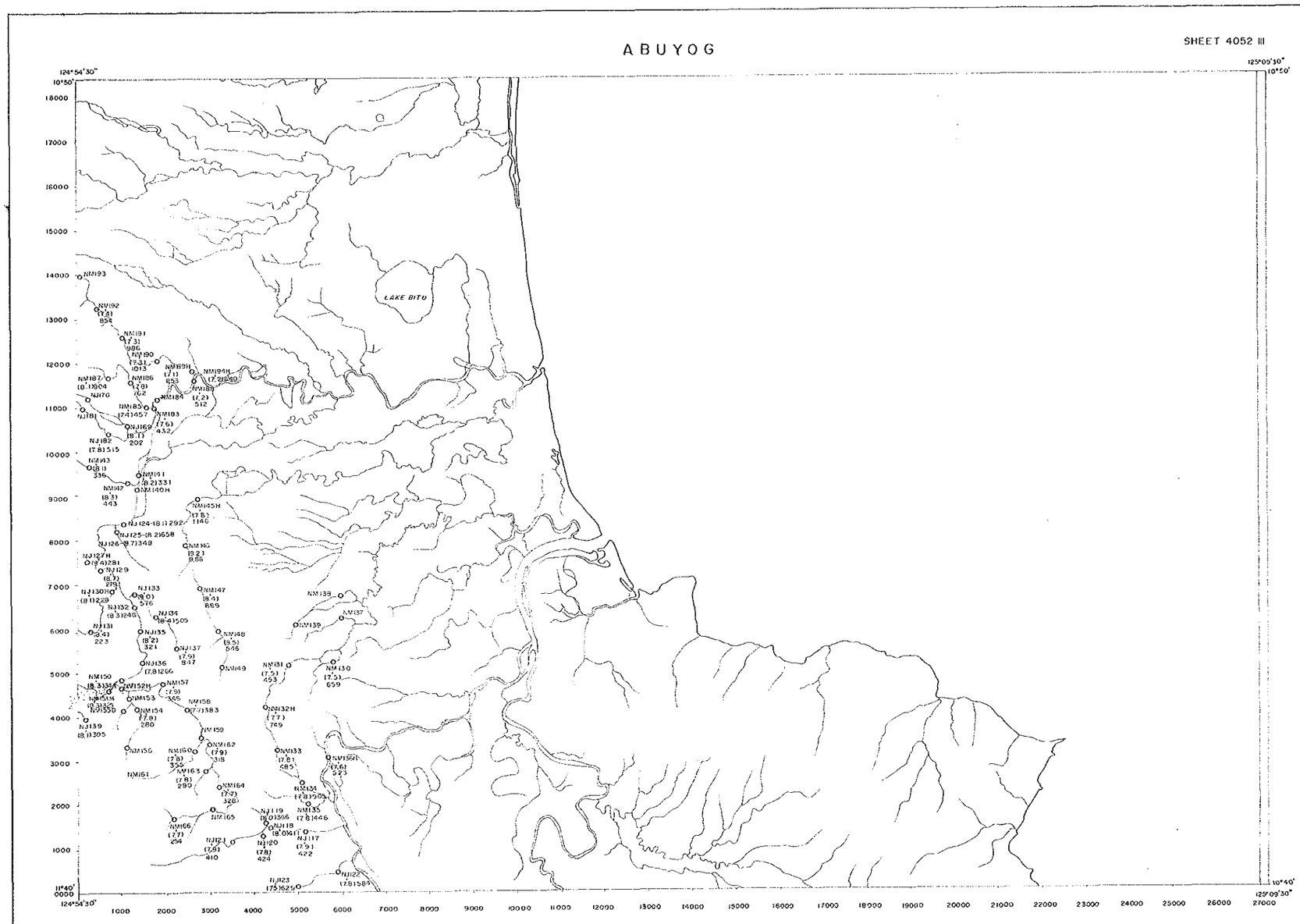
Scale 1 : 50,000

0 2 4 km

LEGEND



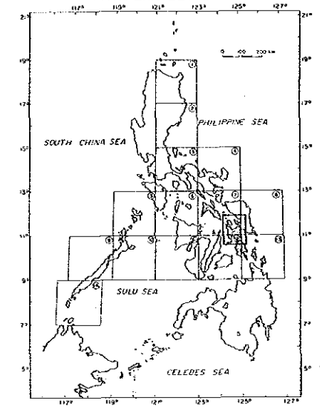
- ○ : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs/cm)
- B-48 : Sampling point for laboratory work)



PL. 5 - 18

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
NORTHERN LEYTE AREA



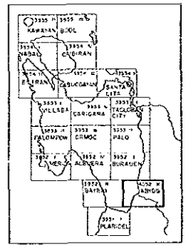
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

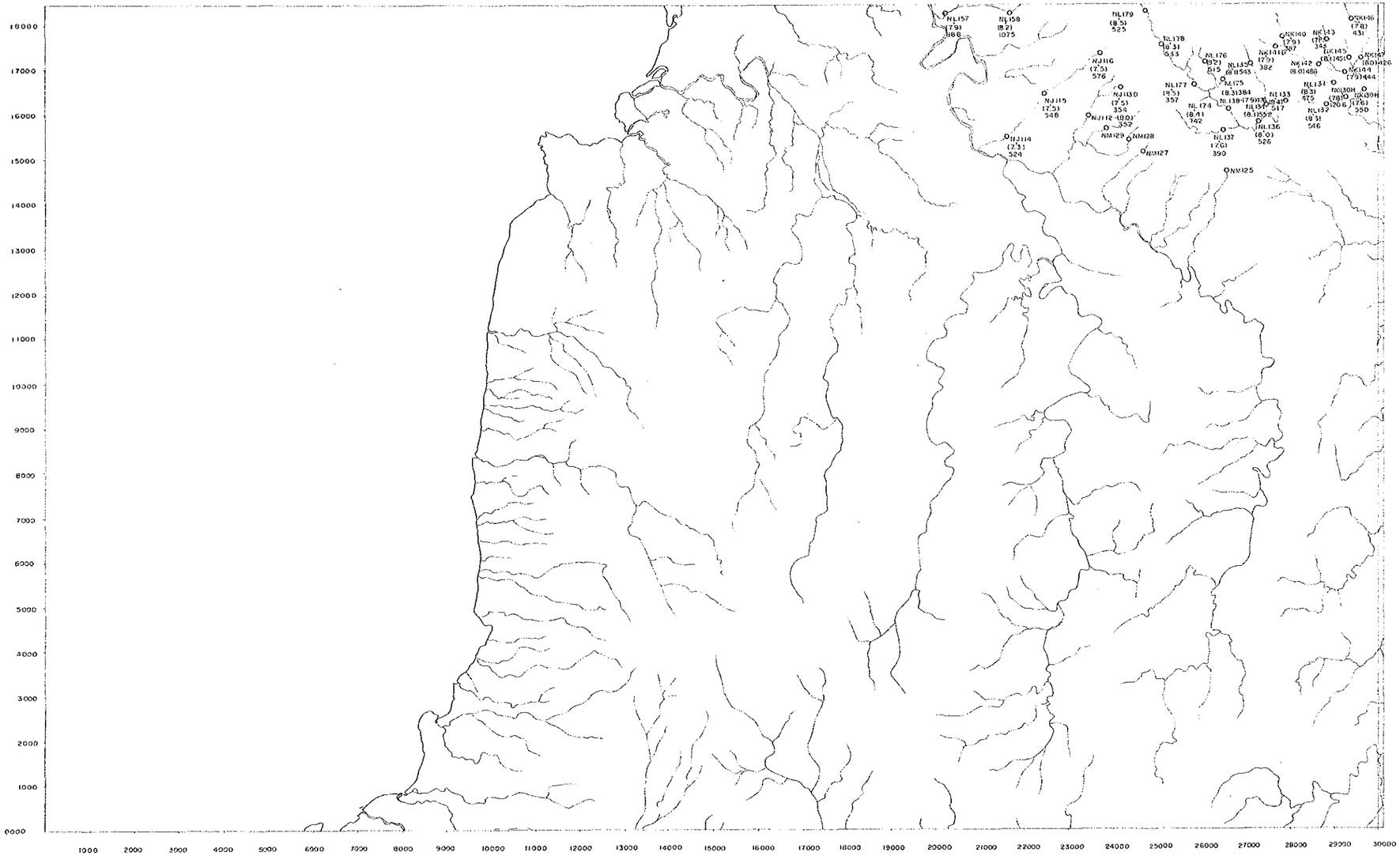
(7.0) : pH

280 : Electric conductivity (μs/cm)

B-48 : Sampling point for laboratory work)

PLARIDEL

SHEET 3951 I



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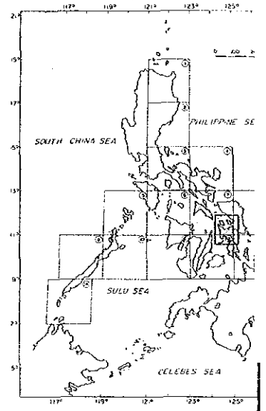
THE MINERAL EXPLORATIC
– MINERAL DEPOSITS AND TECTONICS
CONTRASTING GEOLOGIC ENVIRON
IN
THE REPUBLIC OF THE PHILIPP
PHASE I

SAMPLING POINT, pH VALU
ELECTRIC CONDUCTIVITY \
NORTHERN LEYTE AREA

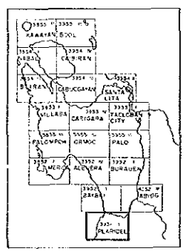


JAPAN INTERNATIONAL COOPERATION
METAL MINING AGENCY OF JA
MARCH 1986

Scale 1 : 50,000

0 2

LEGEND



O : Sampling point

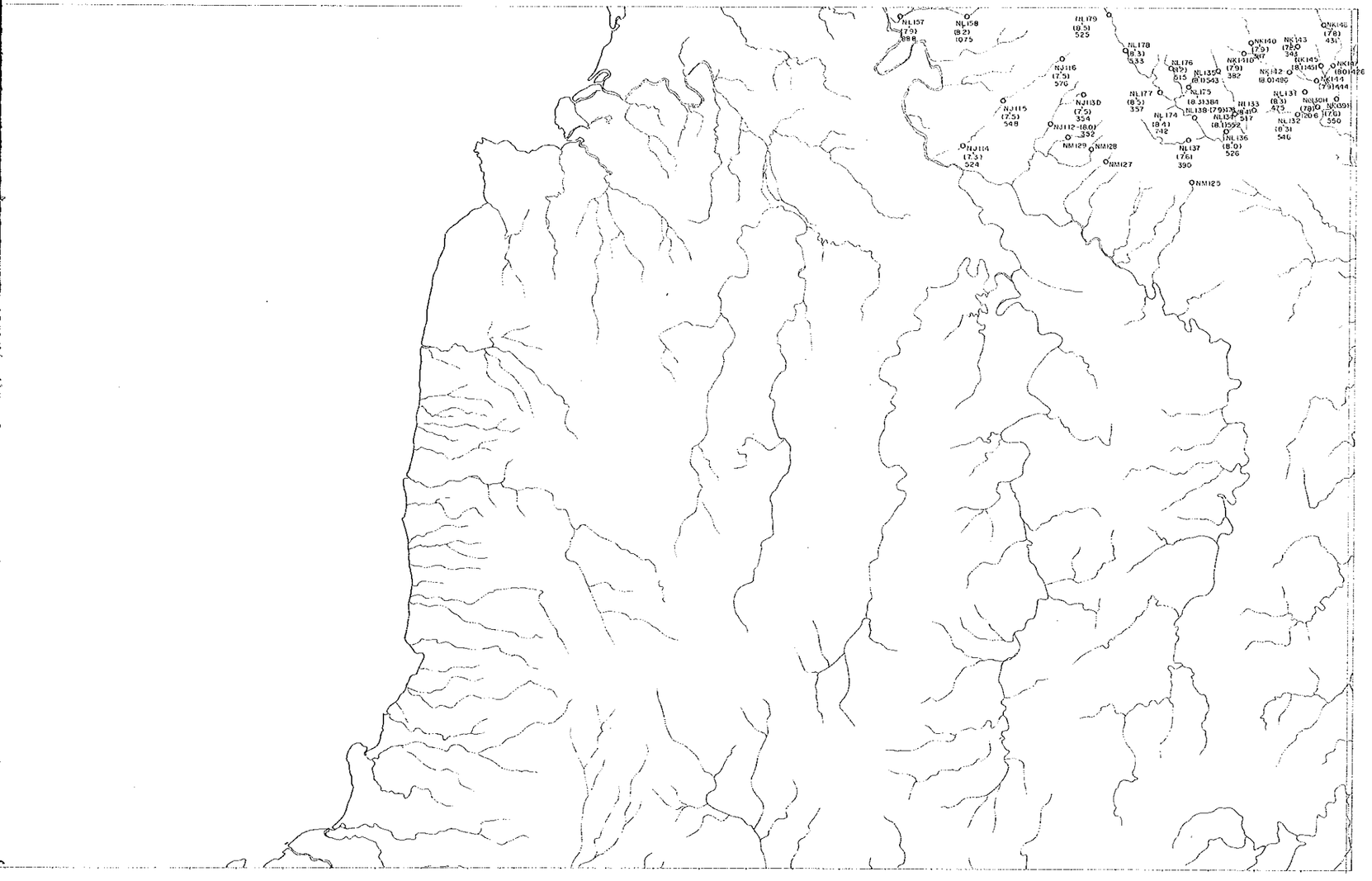
(7.0) : pH

280 : Electric condu

8-48 : Sampling point

PLARIDEL

SHEET 3951 I



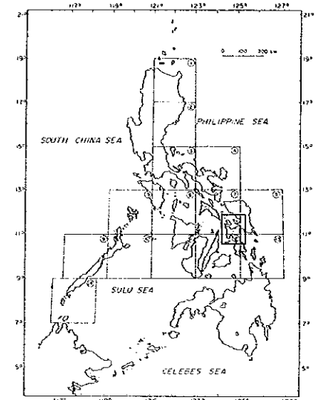
N

PL. 5 - 19

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES

NORTHERN LEYTE AREA

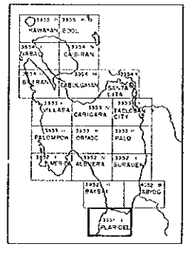


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND

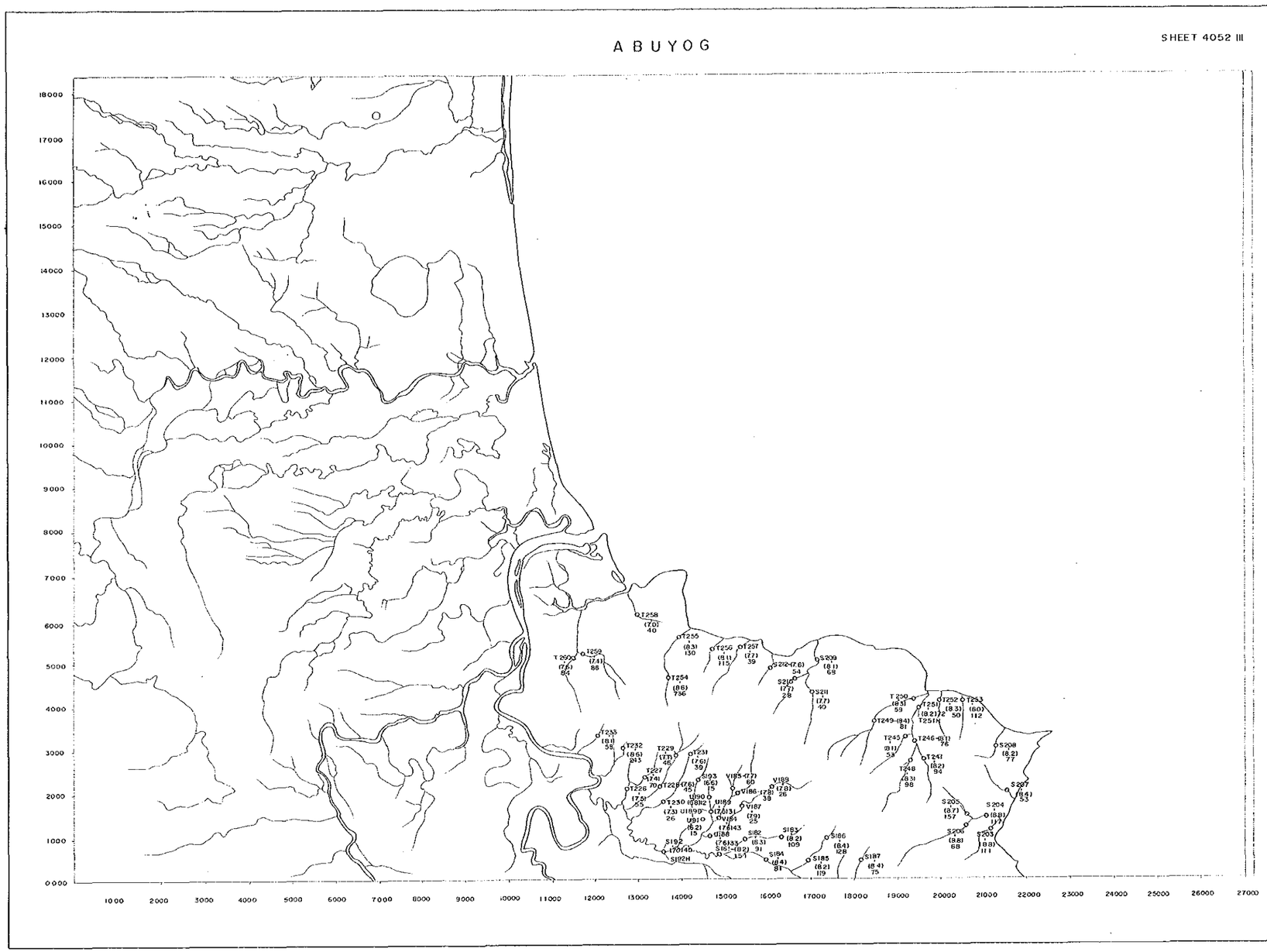


O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

280 : Electric conductivity (μs/cm)

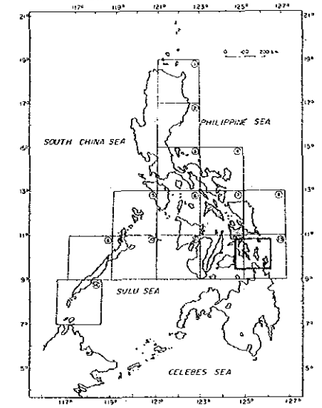
B-48 : Sampling point for laboratory work)



PL. 6 - 1

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
SOUTHERN LEYTE · DINAGAT · SIARGAO AREA



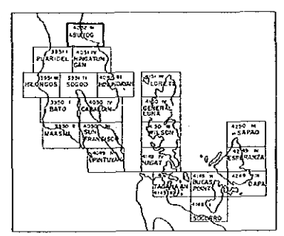
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND

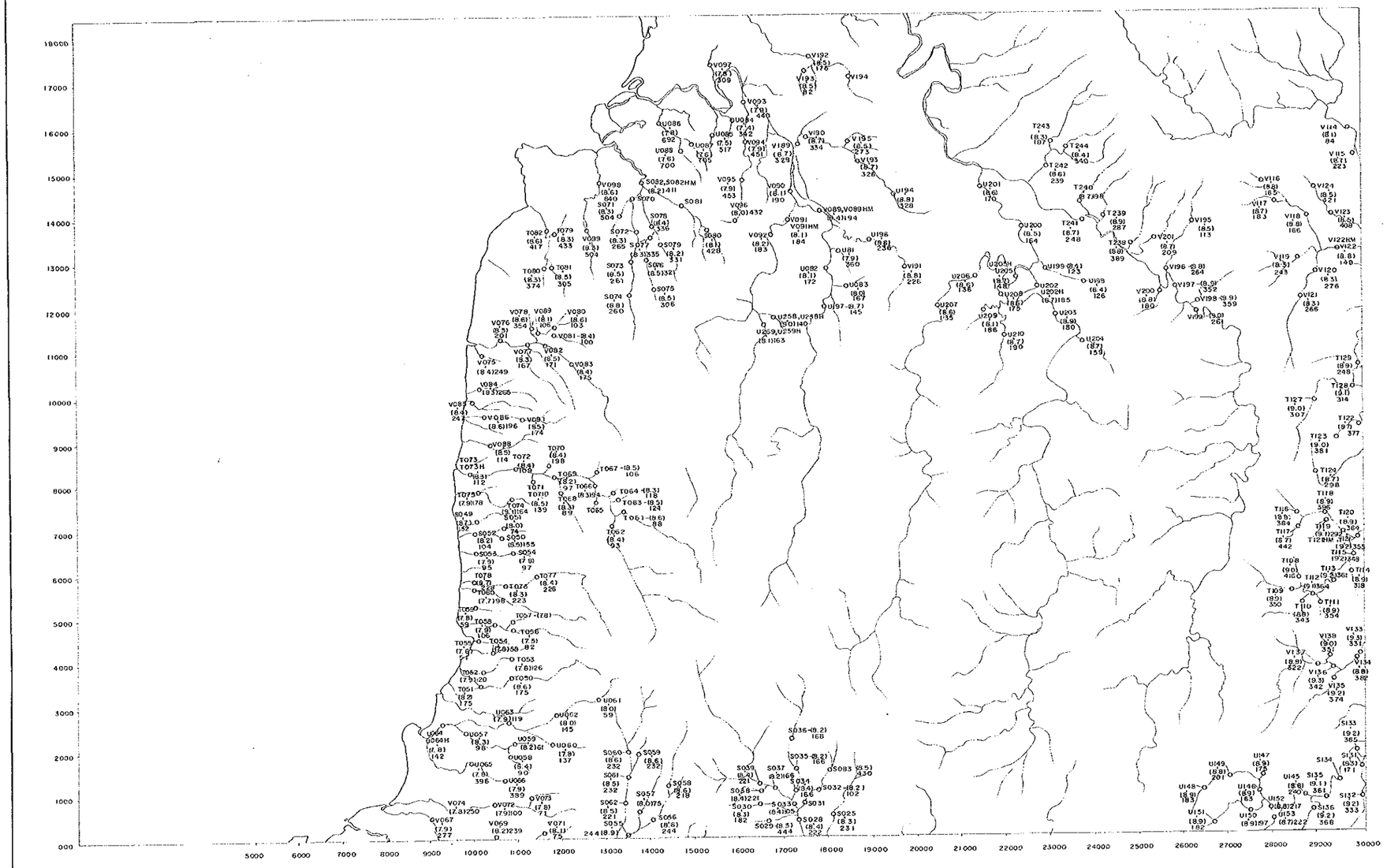


- O : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs/cm)
- B-48 : Sampling point (for laboratory work)

PLARIDEL

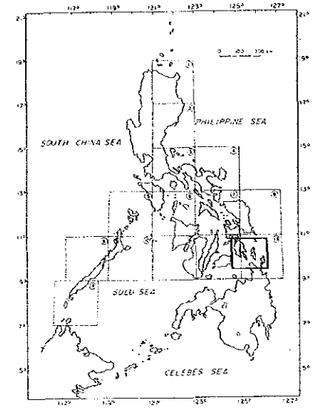
SHEET 3951 I

N



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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
SOUTHERN LEYTE · DINAGAT · SIARGAO AREA

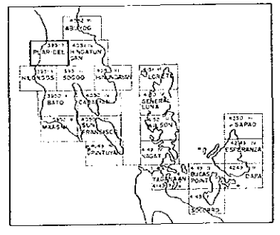


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



○ : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

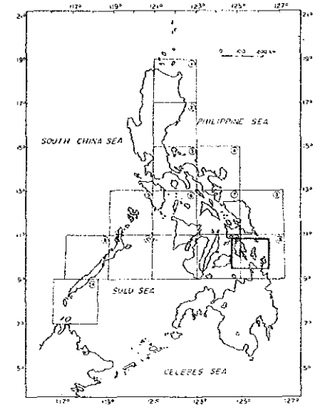
280 : Electric conductivity (μs/cm)

B-48 : Sampling point (for table)

PL. 6 - 2

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
SOUTHERN LEYTE · DINAGAT · SIARGAO AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

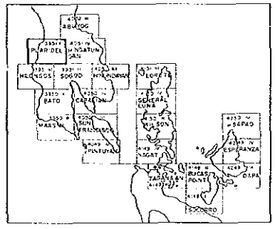
0 2 4 km

PLARIDEL

SHEET 3951 I

N

LEGEND



○ : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

280 : Electric conductivity (μs/cm)

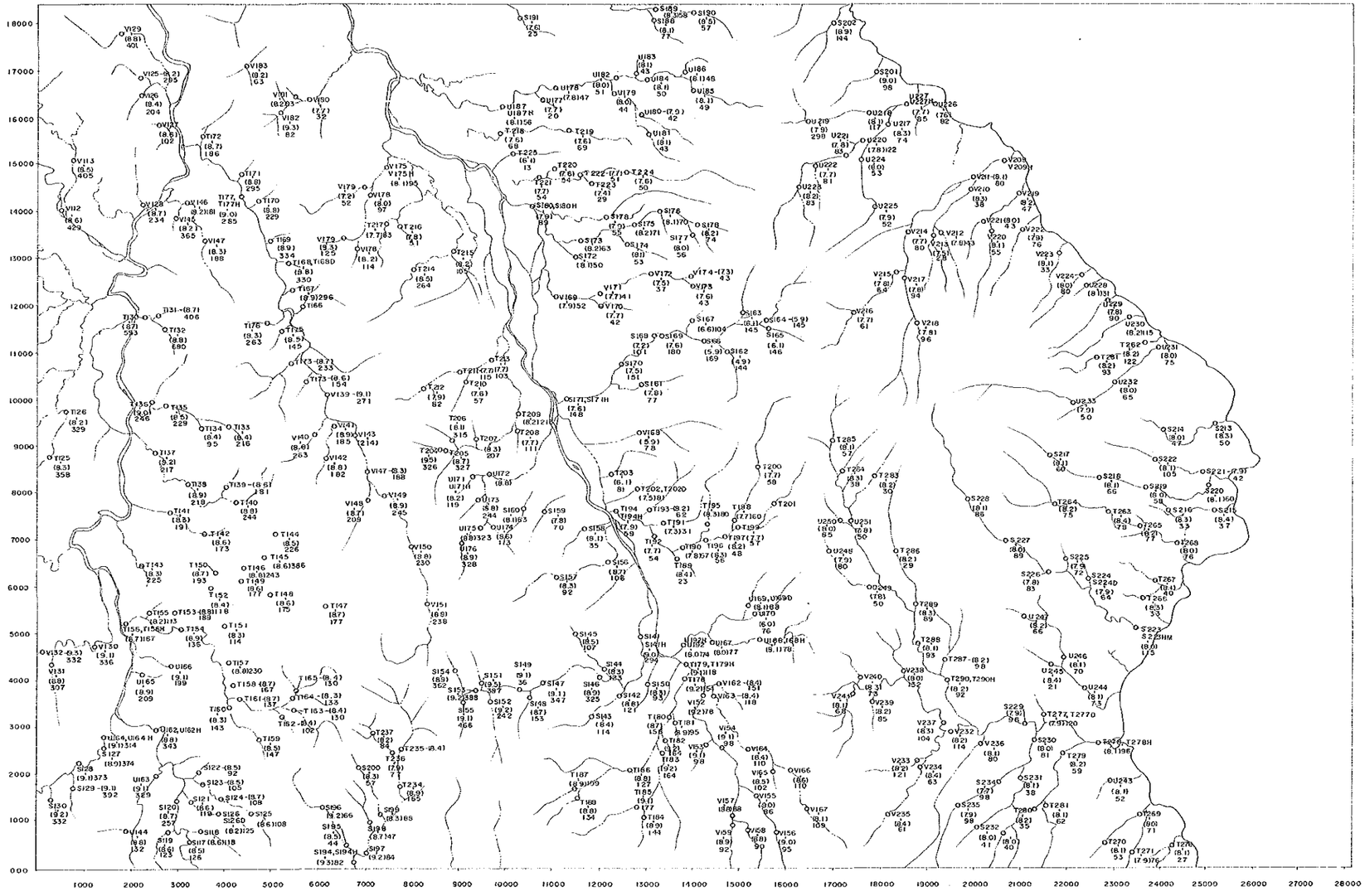
B-48 : Sampling point (for laboratory work)

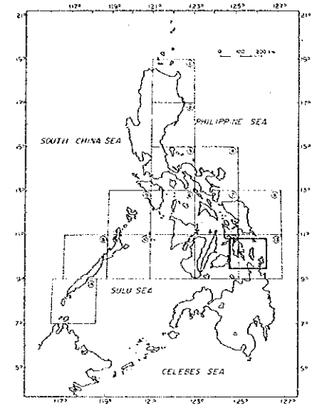
THE MINERAL EXPLORATION
- MINERAL DEPOSITS AND TECTONICS OF TWO CONTRASTING GEOLOGIC ENVIRONMENTS -
IN
THE REPUBLIC OF THE PHILIPPINES
PHASE I

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
SOUTHERN LEYTE · DINAGAT · SIARGAO AREA

HINGATUNGAN

SHEET 4051 IV



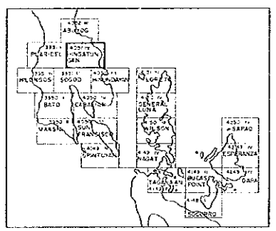


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream s heavy m

(7.0) : pH

280 : Electric conductivity (μ

B-48 : Sampling point for labo

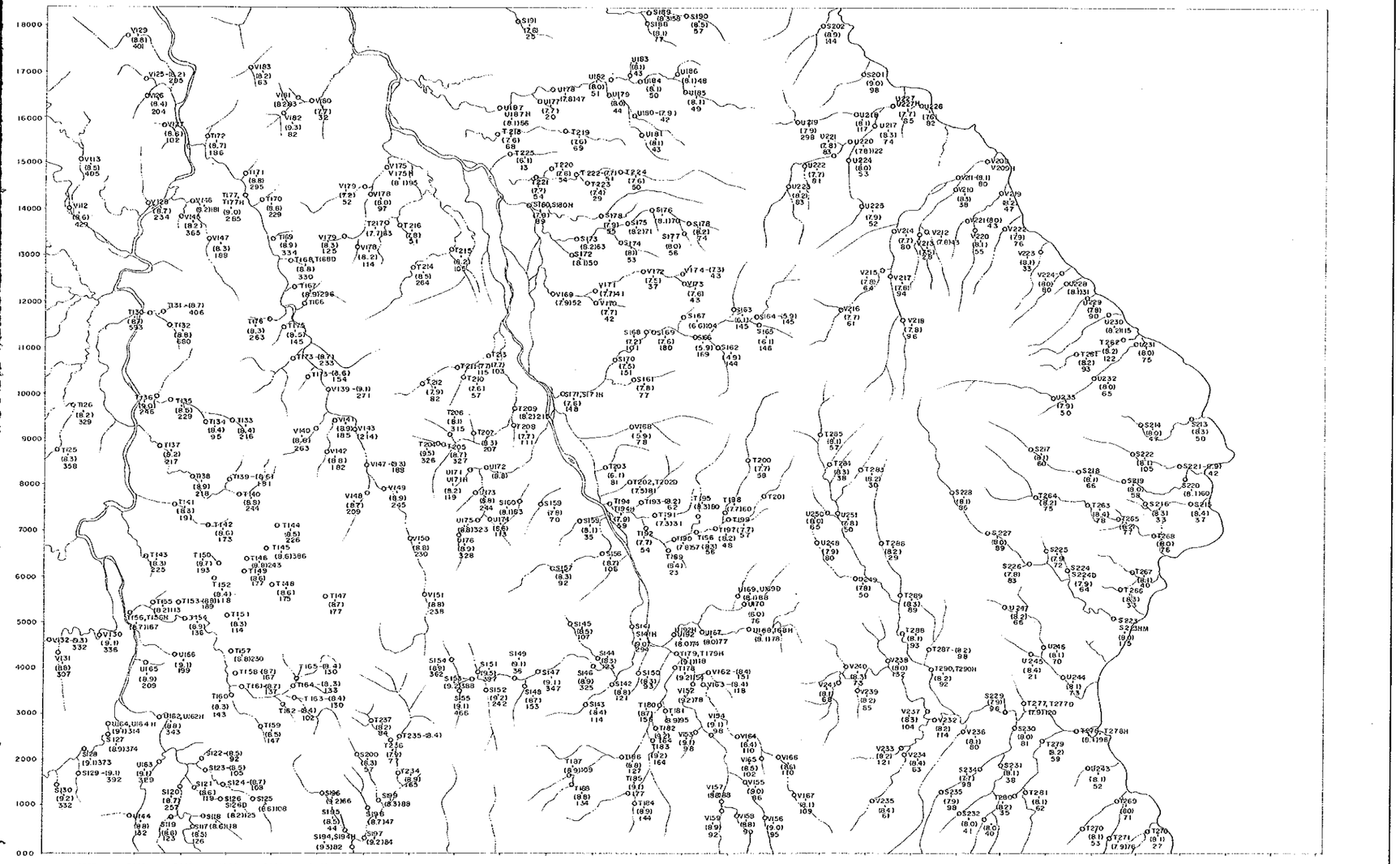
THE MINERAL EXPLORATION
– MINERAL DEPOSITS AND TECTONICS OF TWO CONTRASTING GEOLOGIC ENVIRONMENTS –
IN
THE REPUBLIC OF THE PHILIPPINES
PHASE I

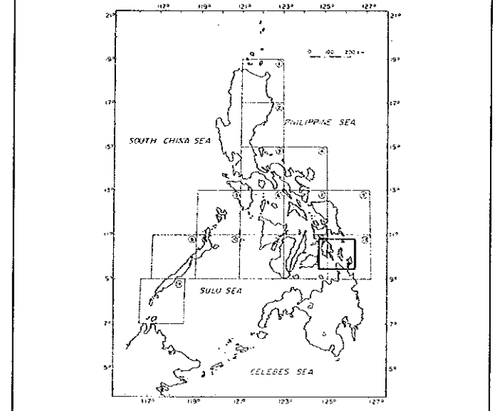
SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES

SOUTHERN LEYTE · DINAGAT · SIARGAO AREA

HINGATUNGAN

SHEET 4051 IV





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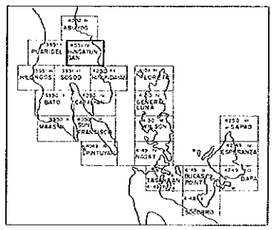
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

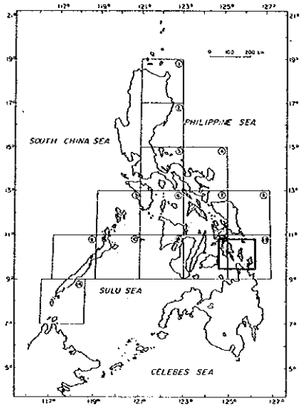
(7.0) : pH

280 : Electric conductivity (μs/cm)

B-48 : Sampling point (for laboratory work)

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

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
SOUTHERN LEYTE · DINAGAT · SIARGAO AREA



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

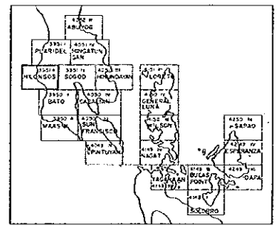
0 2 4 km

HILONGOS

SHEET 3951 III

N

LEGEND



O : Sampling point (Stream sediment, heavy mineral)

(7.0) : pH

280 : Electric conductivity (μs/cm)

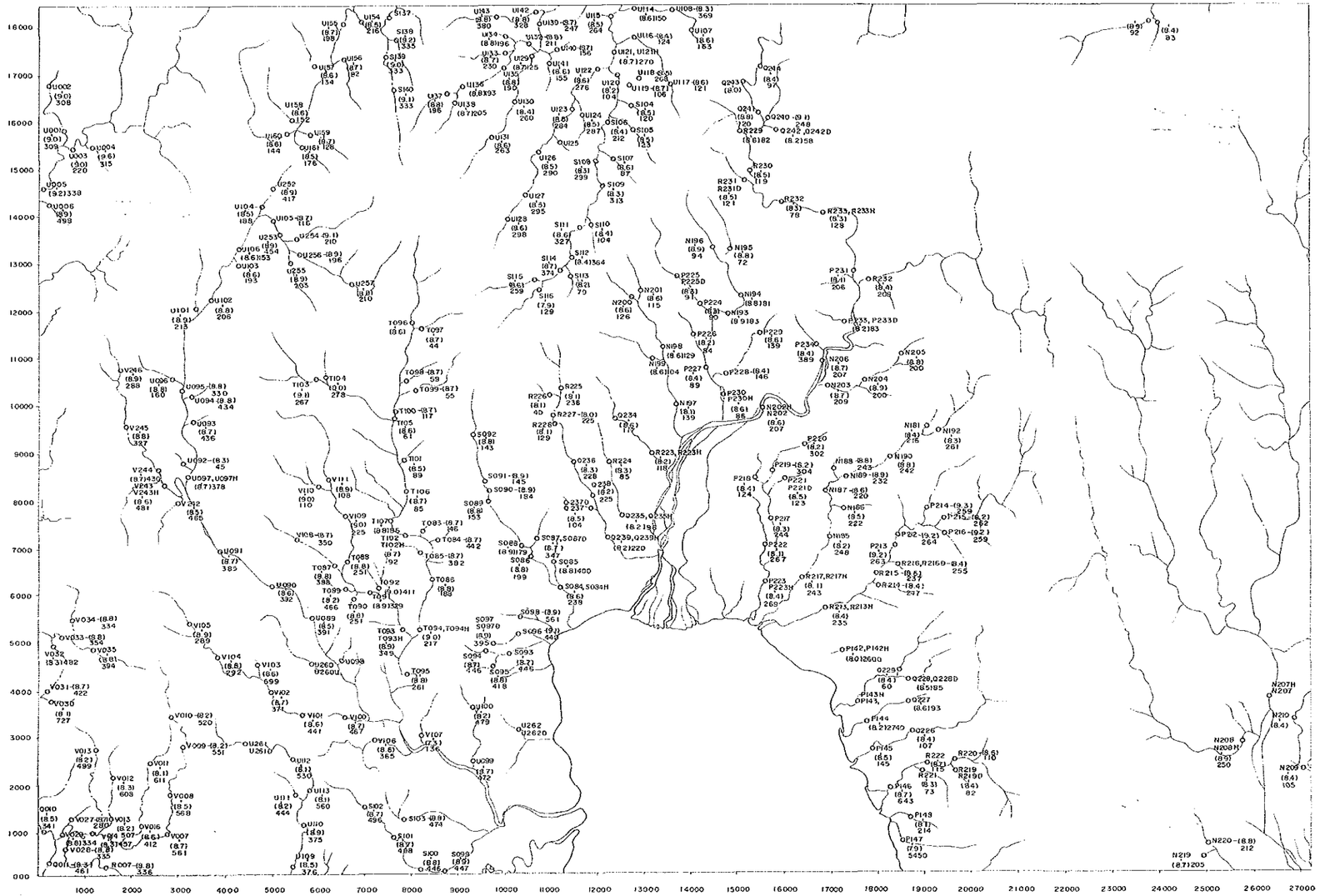
B-48 : Sampling point (for laboratory work)

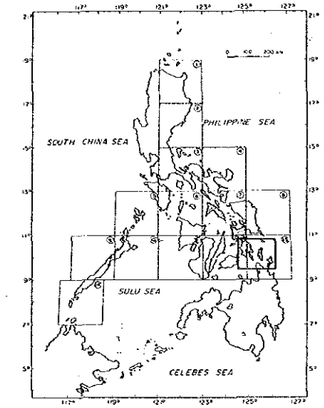
THE MINERAL EXPLORATION
- MINERAL DEPOSITS AND TECTONICS OF TWO CONTRASTING GEOLOGIC ENVIRONMENTS -
IN
THE REPUBLIC OF THE PHILIPPINES
PHASE II

SAMPLING POINT, pH VALUES AND ELECTRIC CONDUCTIVITY VALUES
SOUTHERN LEYTE · DINAGAT · SIARGAO AREA

SOGOD

SHEET 3951 II





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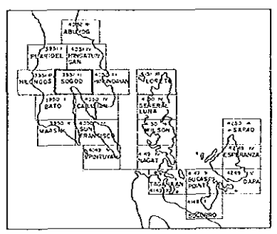
METAL MINING AGENCY OF JAPAN
MARCH 1986

Scale 1 : 50,000

0 2 4 km

LEGEND



- ○ : Sampling point (Stream sediment, heavy mineral)
- (7.0) : pH
- 280 : Electric conductivity (μs/cm)
- 6-48 : Sampling point (for laboratory work)