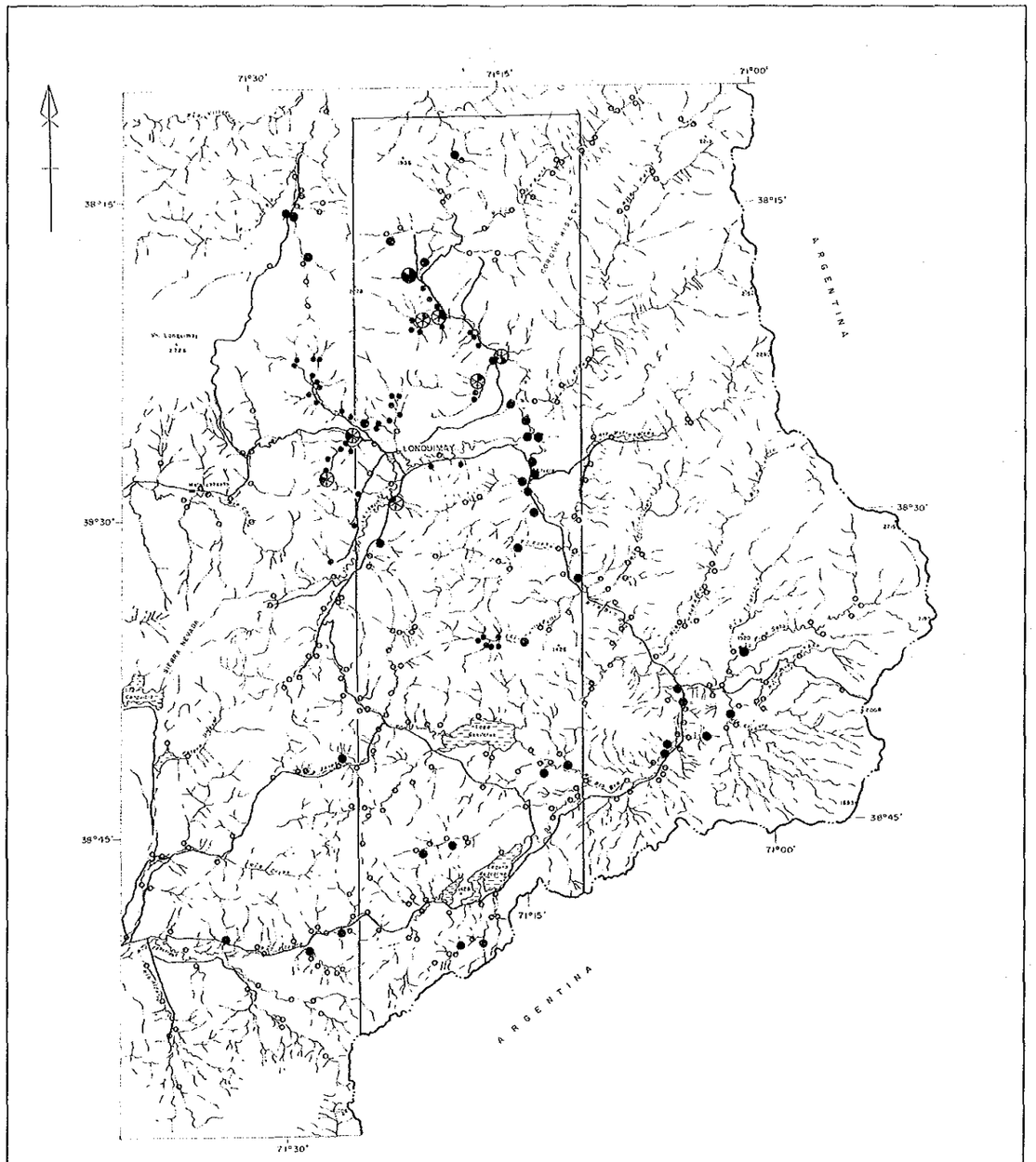
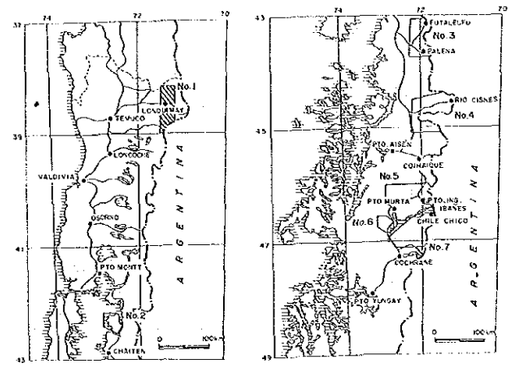


PL. 11

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT AND PAN CONCENTRATE GEOCHEMISTRY IN AREA NO.1(LONQUIMAY AREA) : PART 1



JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

0 10 20km

LEGEND

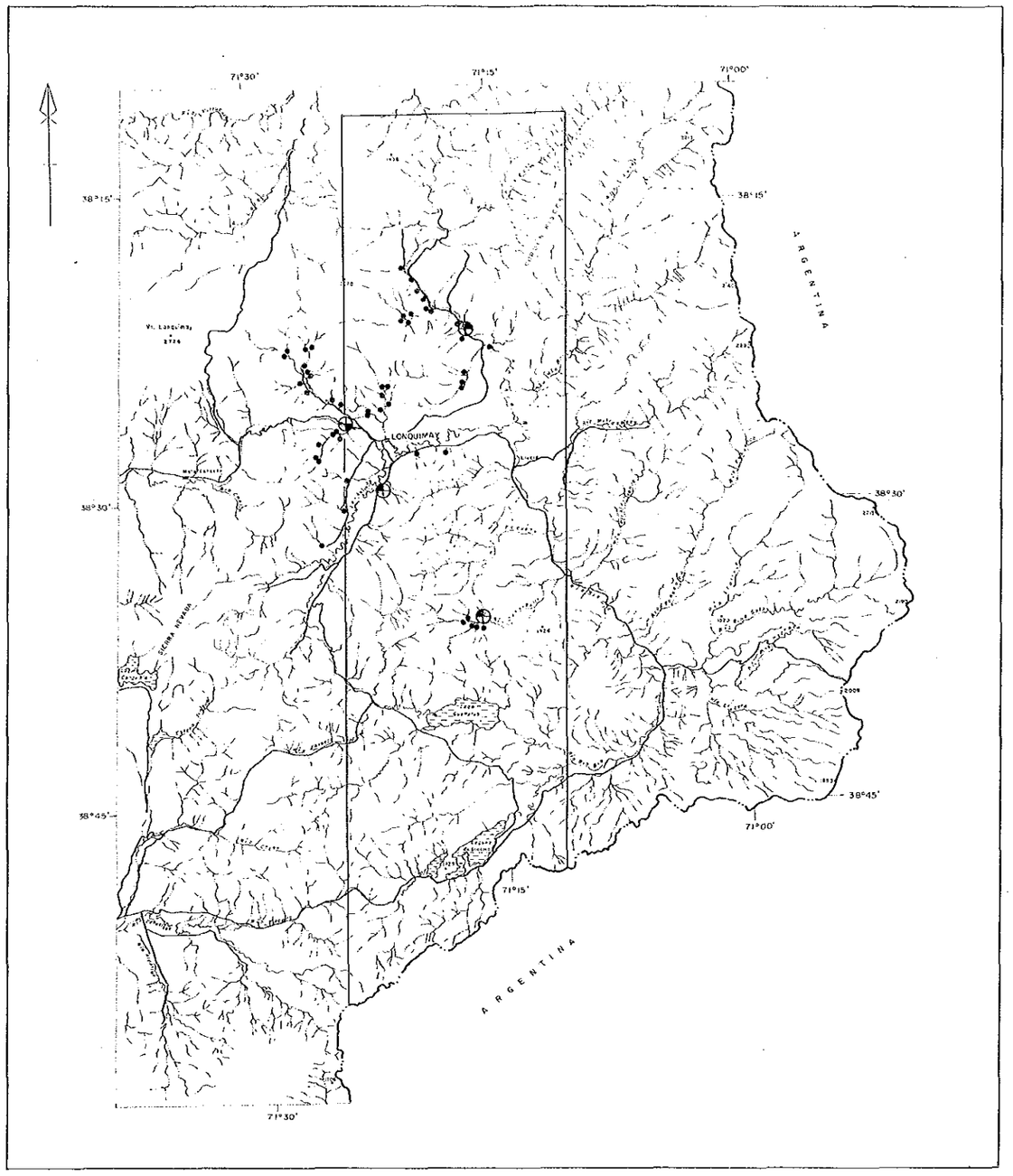
- Stream Sediment and Pan Concentrate Samples
- Pan Concentrate (SERNAGEOMIN, 1989)

Stream Sediment	Pan Concentrate
Threshold	
Au ≥ 15.425 ppb	Au ≥ 0.849 μg
Ag ≥ 0.168 ppm	Ag ≥ 6.966 μg
Pb ≥ 13.356 ppm	Pb ≥ 0.238 μg

Threshold ≤

Threshold >

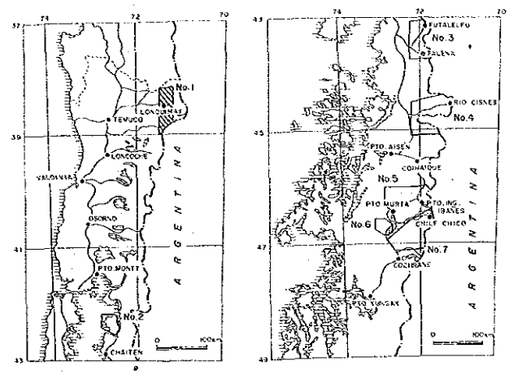
Au ≥ 0.37 μg (SERNAGEOMIN, 1989)



PL. 12

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT GEOCHEMISTRY IN AREA NO.1(LONQUIMAY AREA : PART 2



JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

0 10 20km

LEGEND

- Stream Sediment and Pan Cocentrate Samples

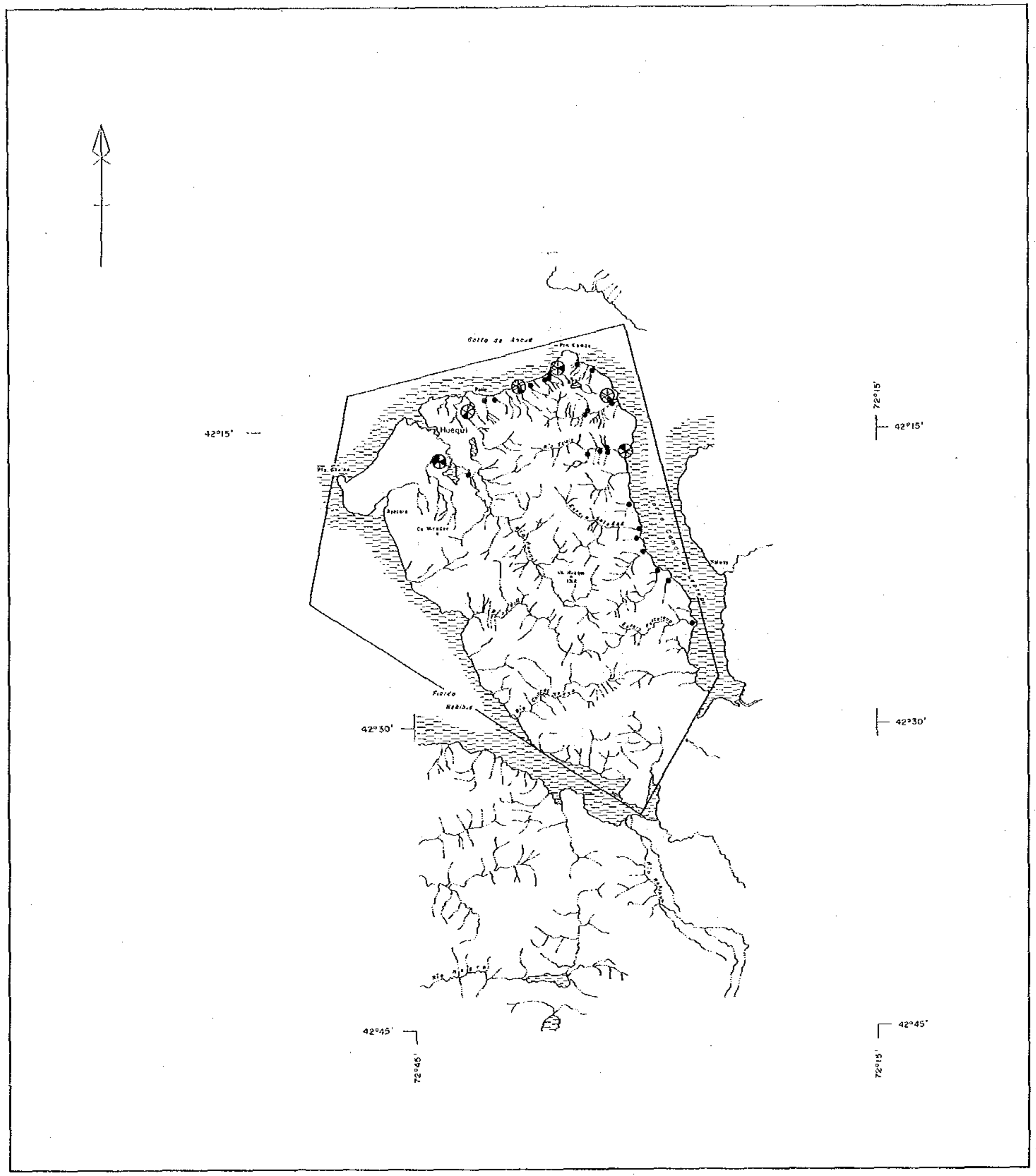
Stream Sediment

As | Cu
Mo | Zn

Threshold
Cu ≧ 33.113 ppm
Zn ≧ 95.449 ppm
Mo ≧ < 1 ppm
As ≧ 3.596 ppm

Threshold ≦

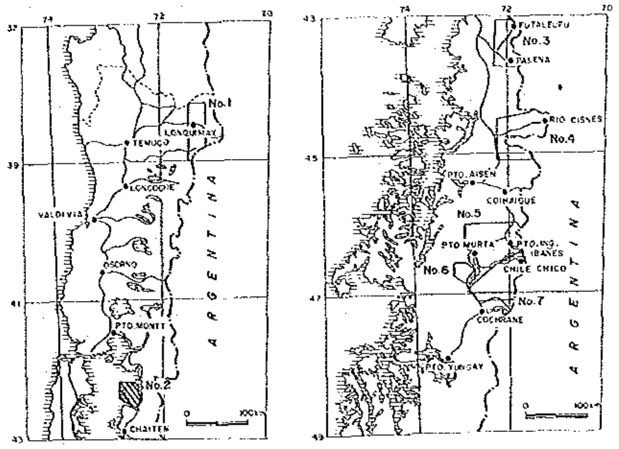
Threshold >



PL. 13

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT AND PAN CONCENTRATE GEOCHEMISTRY IN AREA NO.2(HUEQUI PENINSULA AREA) : PART 1



JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

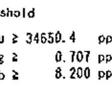
0 10 20km

L E G E N D

● Stream Sediment and Pan Cocentrate Samples

Stream Sediment ←|→ Pan Cocentrate

Threshold
Au ≥ 138.035 ppb
Ag ≥ 0.330 ppm
Pb ≥ 3.297 ppm



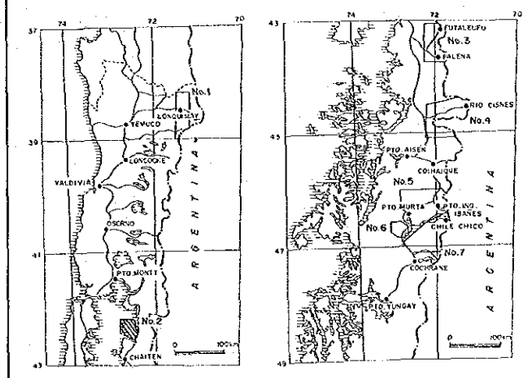
Threshold
Au ≥ 34650.4 ppb
Ag ≥ 0.707 ppm
Pb ≥ 8.200 ppm

Threshold ≦

Threshold >

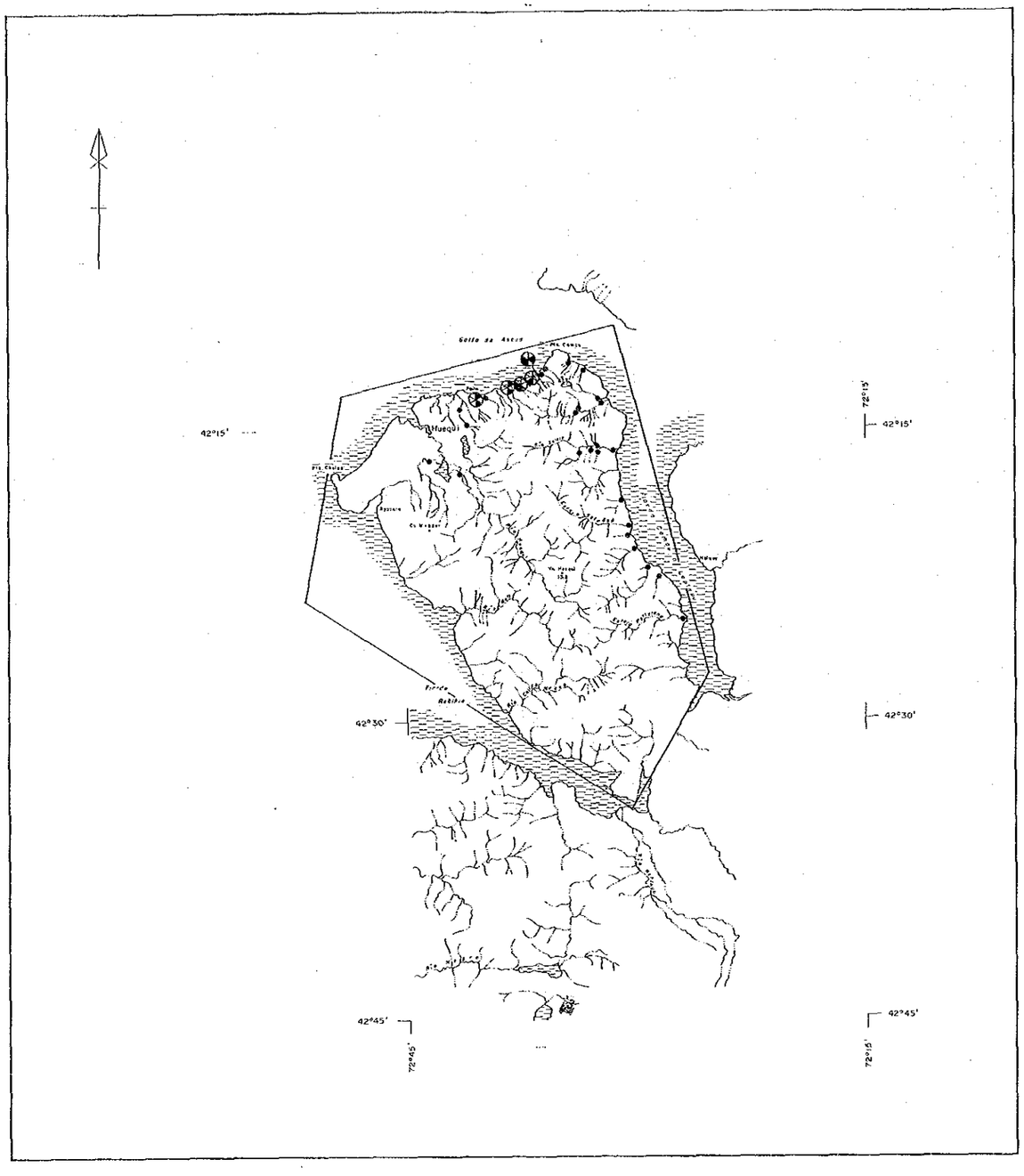
THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT AND PAN CONCENTRATE GEOCHEMISTRY IN AREA NO.2(HUEQUI PENINSULA AREA) : PART 2



JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN



Scale 1:250,000

0 10 20km

LEGEND

● Stream Sediment and Pan Concentrate Samples

Stream Sediment ← → Pan concentrate

Threshold		Threshold	
Pt ≧	< 5 ppb	Pt ≧	38.682 ppb
Cr ≧	789.160 ppm	Cr ≧	6534.710 ppm
Pd ≧	2.007 ppb	Pd ≧	17.466 ppb

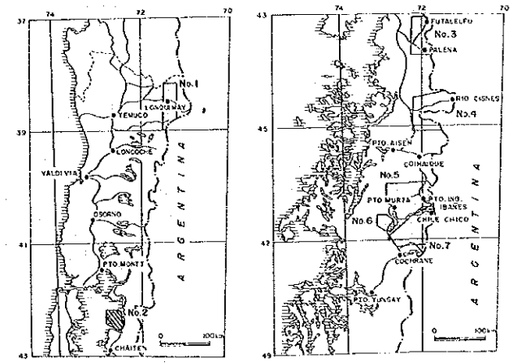
Pt Pt Cr Cr Pd Pd

Threshold ≦

Threshold >

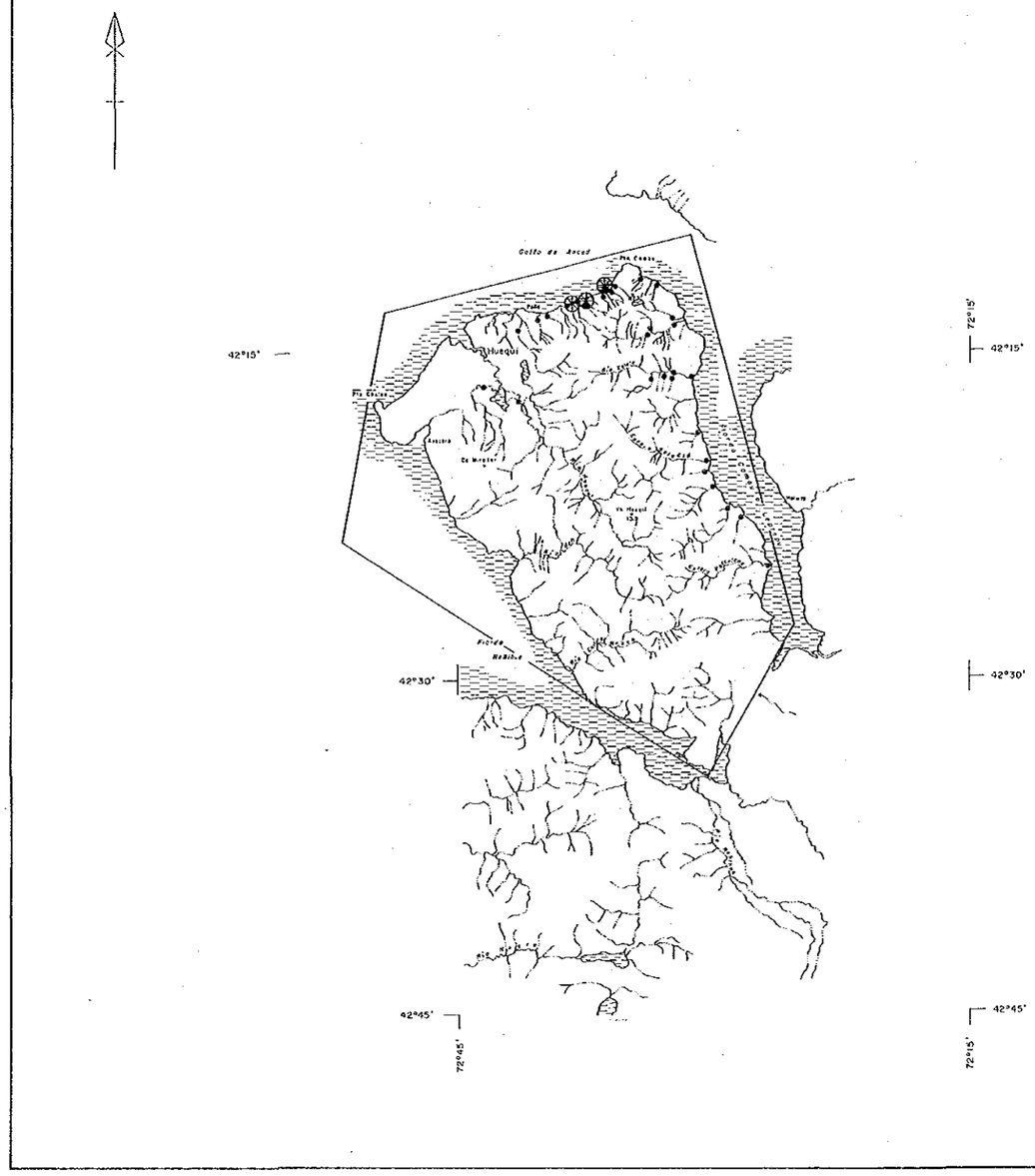
THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT GEOCHEMISTRY IN AREA NO.2(HUEQUI PENINSULA AREA) : PART 3



JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN



Scale 1:250,000

0 10 20km

LEGEND

● Stream Sediment and Pan Concentrate Samples

Stream Sediment

Threshold

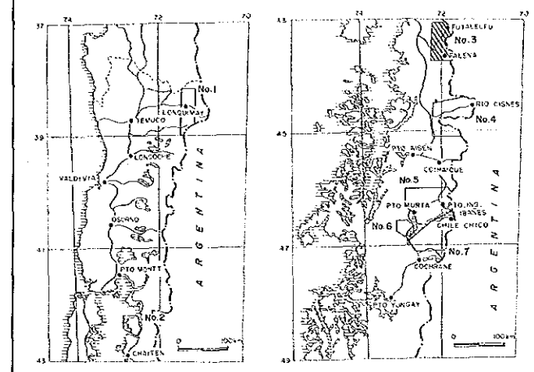
Cu ≥	67.023 ppm
Zn ≥	76.366 ppm
Mo ≥	< 1 ppm
Co ≥	29.113 ppm
Ni ≥	505.459 ppm
Mn ≥	676.773 ppm
As ≥	55.638 ppm
Fe ≥	5.648 ppm

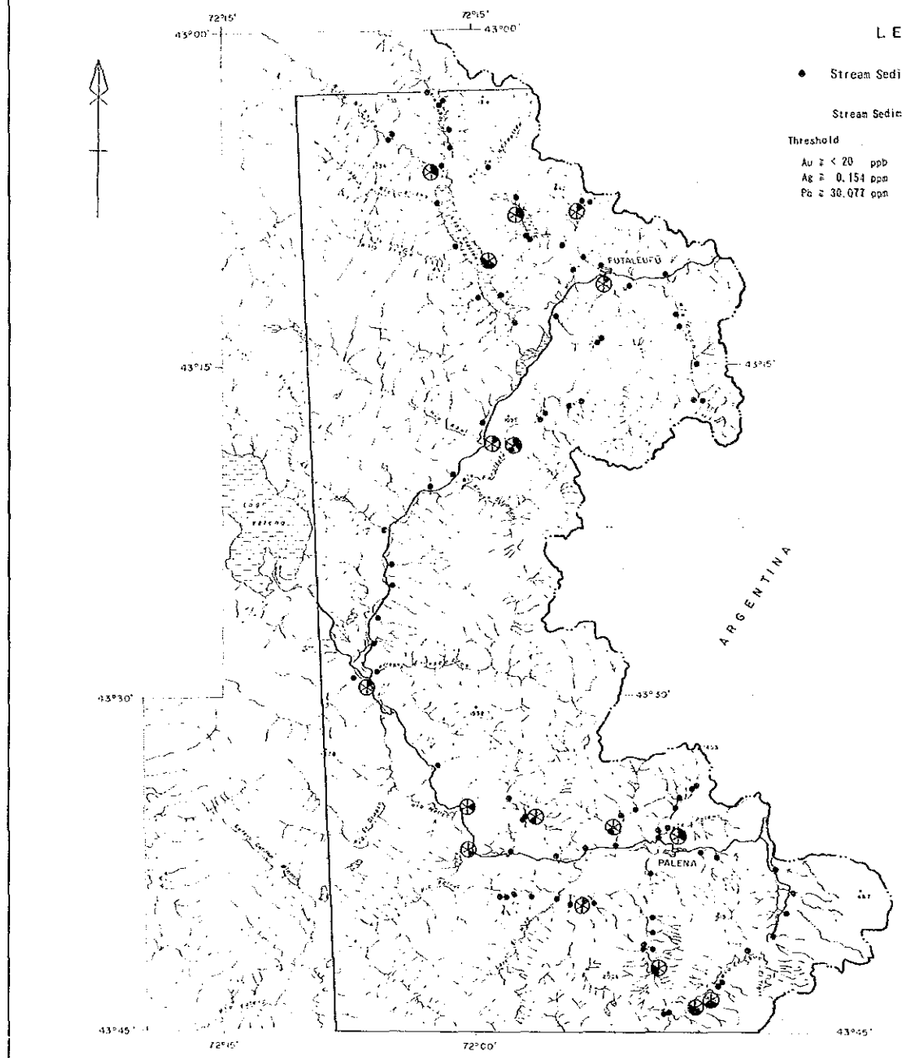
Threshold ≦

Threshold >

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT AND PAN CONCENTRATE GEOCHEMISTRY IN AREA. NO 3(FUTALEUFÚ-ALTO PALENA AREA) : PART 1





LEGEND

- Stream Sediment and Pan Concentrate Samples

Stream Sediment ←→ Pan Concentrate

Threshold	Threshold
Au ≧ < 20 ppb	Au ≧ 17.120 ng
Ag ≧ 0.154 ppm	Ag ≧ 18.130 μg
Pb ≧ 30.077 ppm	Pb ≧ 0.858 mg

Threshold ≦

Threshold >

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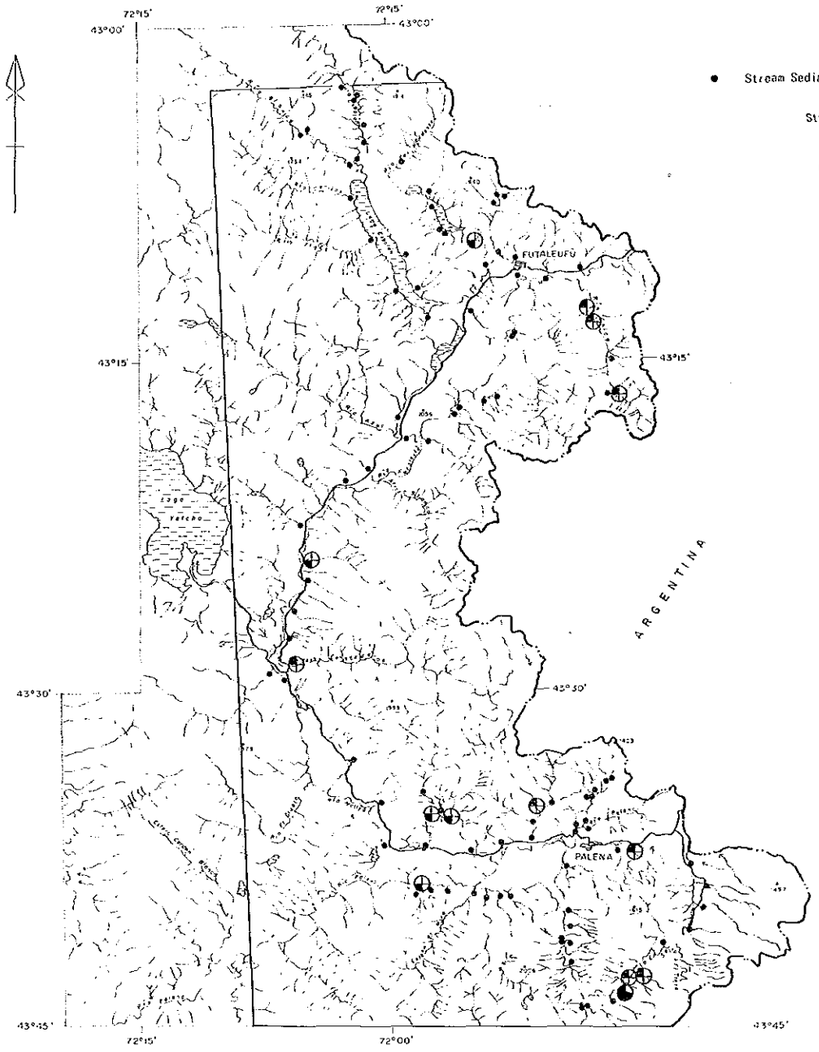
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

0 10 20km



LEGEND

● Stream Sediment and Pan Cocentrate Samples

Stream Sediment

As	Cu
Mo	Zn

Threshold

Cu ≥ 76.997 ppm
Zn ≥ 136.171 ppm
Mo ≥ 1.605 ppm
As ≥ 9.005 ppm

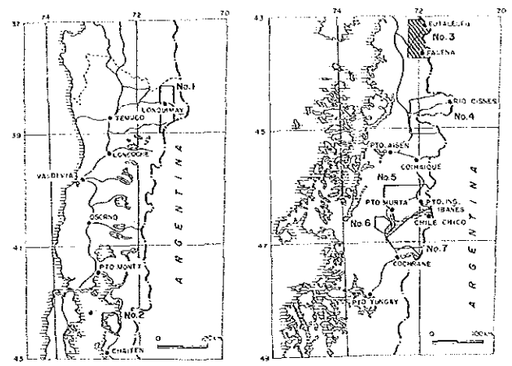
Threshold ≤

Threshold >

PL. 17

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT GEOCHEMISTRY IN AREA NO.3(FUTALEUFÚ-ALTO PALENA AREA) : PART 2



JUNE 1990

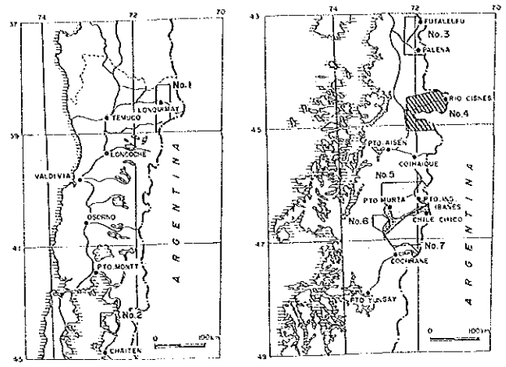
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

0 10 20km

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT AND PAN CONCENTRATE GEOCHEMISTRY IN AREA NO.4(ALTO CISNES-EL TOQUI AREA) : PART 1



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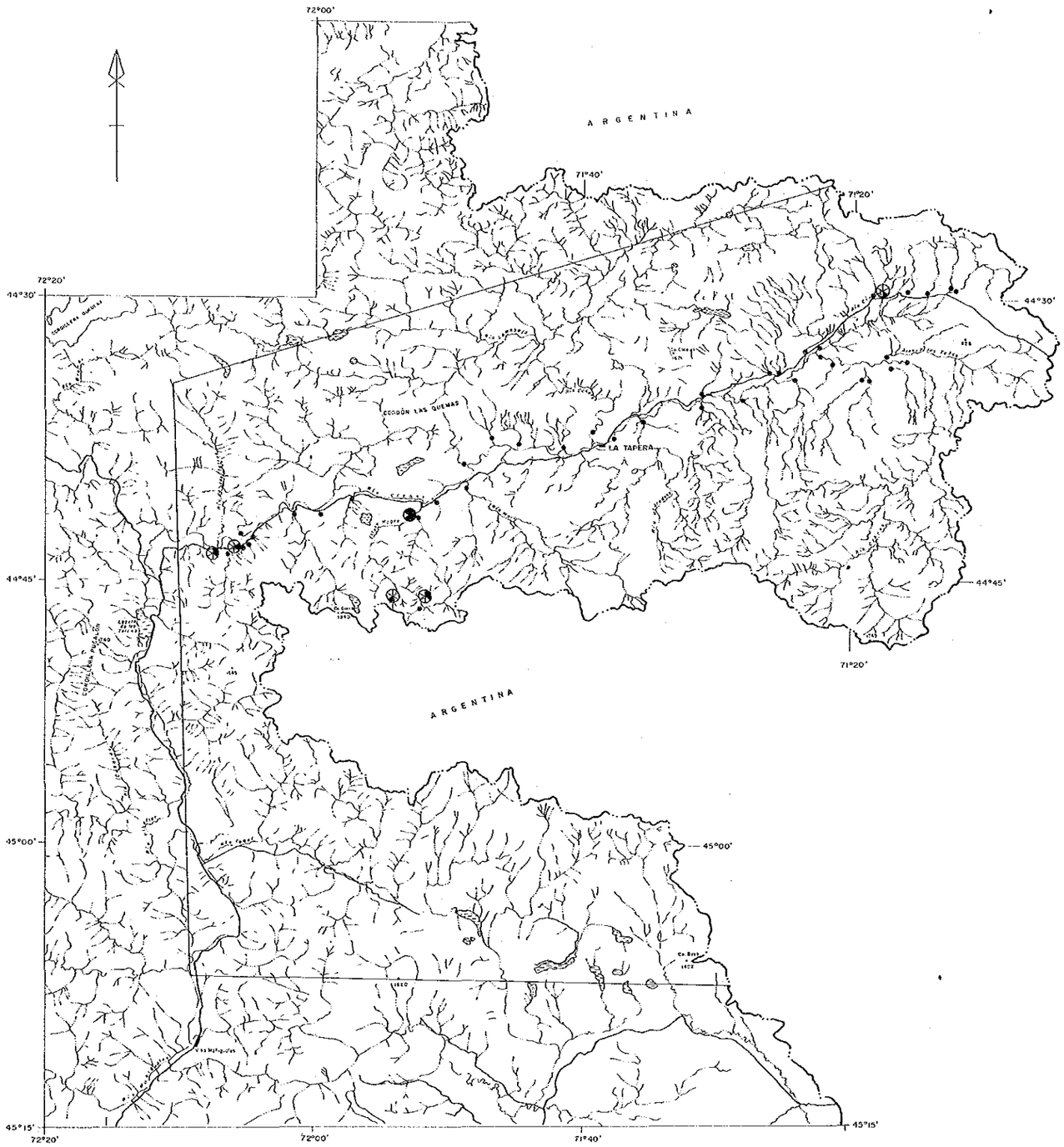
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN



Scale 1:250,000

0 10 20km

LEGEND

- Stream Sediment and Pan Cocentrate Samples

Stream Sediment		Pan Concentrate
Threshold		Threshold
Au ≥ 15.441 ppb		Au ≥ 6.570 sg
Ag ≥ 0.153 ppm		Ag ≥ 15.222 sg
Pb ≥ 13.950 ppm		Pb ≥ 0.997 mg

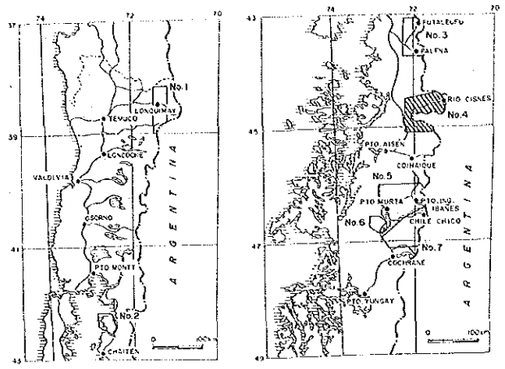
Au Au Ag Ag Pb Pb

Threshold ≤

Threshold >

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT GEOCHEMISTRY IN AREA NO.4(ALTO CISNES-EL TOQUI AREA) : PART 2



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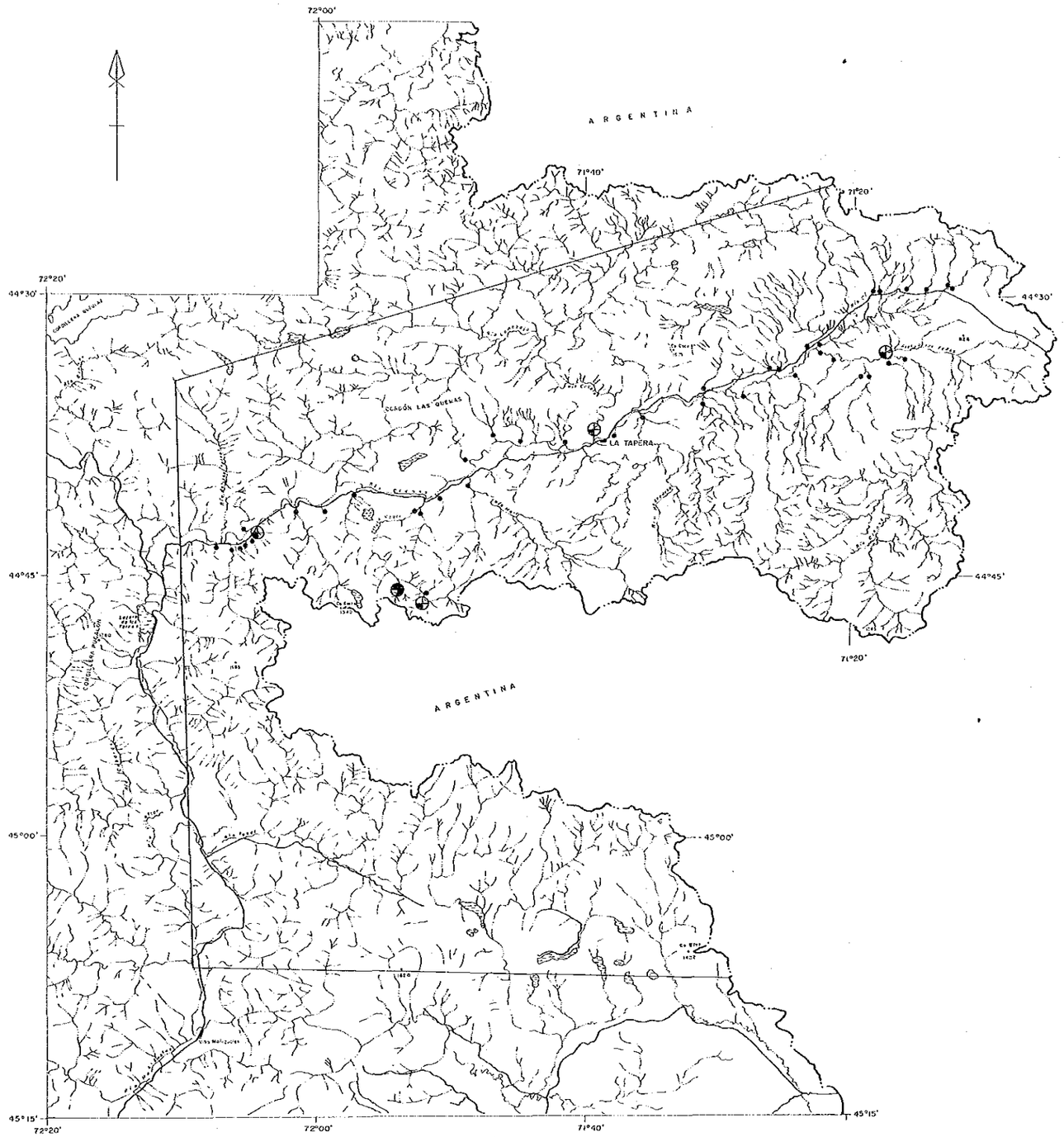
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN



Scale 1:250,000

0 10 20km

LEGEND

- Stream Sediment and Pan Cocentrate Samples

Stream Sediment

Threshold

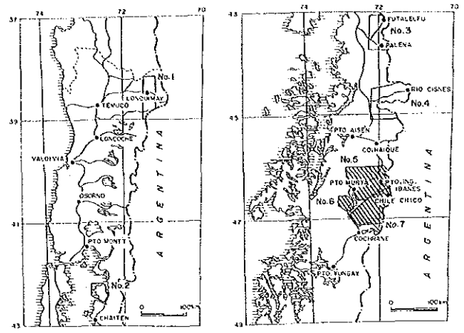
Cu ≥ 19.698 ppm
Zn ≥ 68.477 ppm
Mo ≥ 0.906 ppm
As ≥ 5.503 ppb

Threshold ≤

Threshold >

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT AND PAN CONCENTRATE GEOCHEMISTRY IN AREAS NO.5(IBAÑEZ-MURTA AREA), NO.6(LOS LEONES AREA) AND NO.7(CHILE CHICO- CHACABUCO AREA) : PART 1

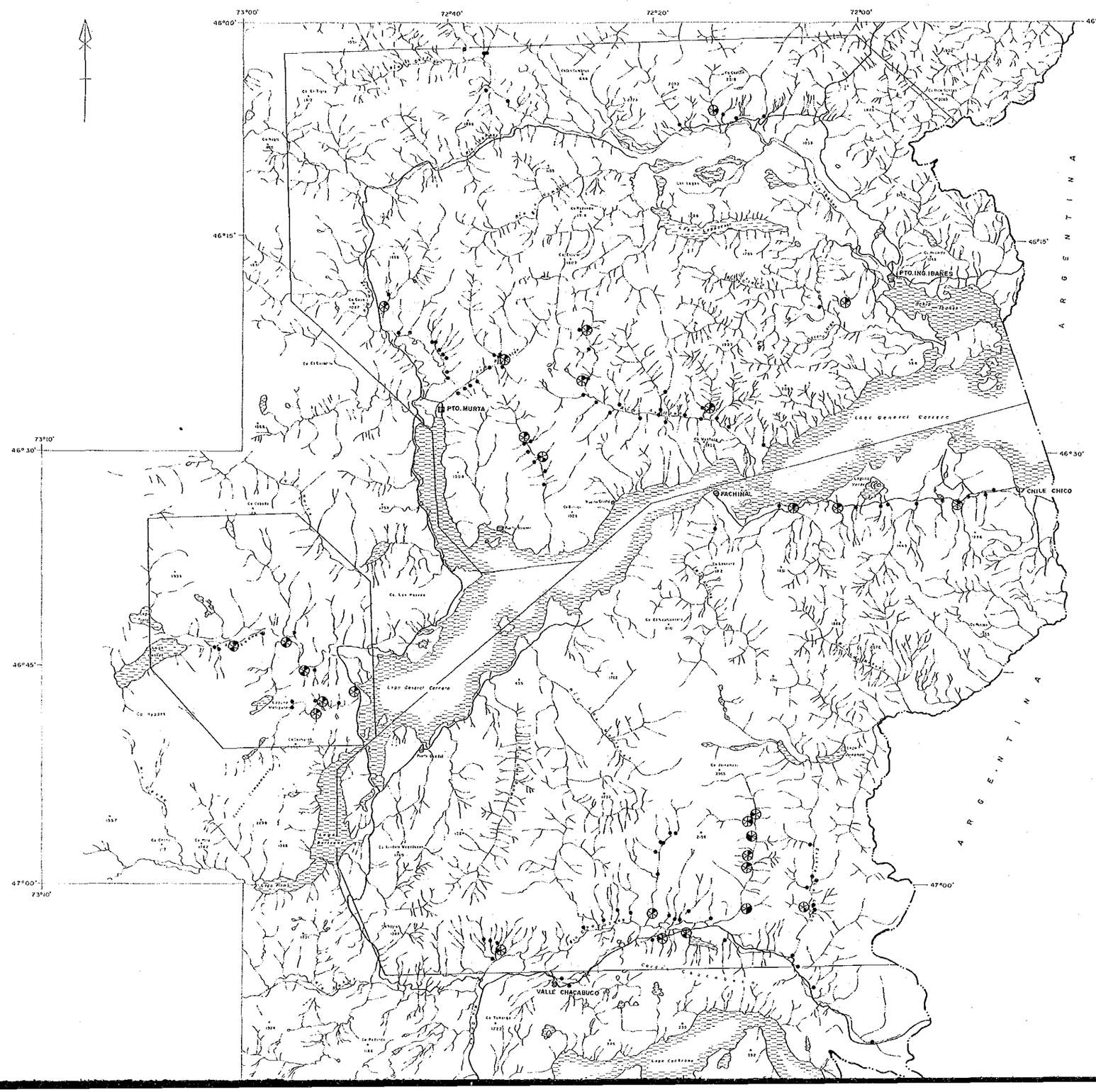


JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

0 10 20km



LEGEND

- Stream Sediment and Pan Concentrate Samples

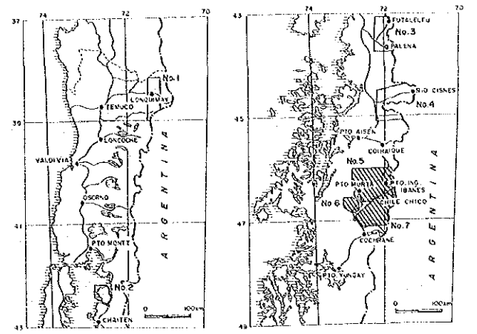
Stream Sediment ← → Pan Concentrate

Threshold		Threshold
Au ≥ < 20 ppb		Au ≥ 1.033 ag
Ag ≥ 0.380 ppm		Ag ≥ 43.963 ag
Pb ≥ 54.524 ppm		Pb ≥ 9.013 ag

Au Au Ag Ag Pb Pb

- Threshold ≤
- Threshold >

NO.5(IBAÑEZ-MURTA AREA), NO.6(LOS LEONES AREA) AND NO.7(CHILE CHICO- CHACABUCO AREA) : PART 1

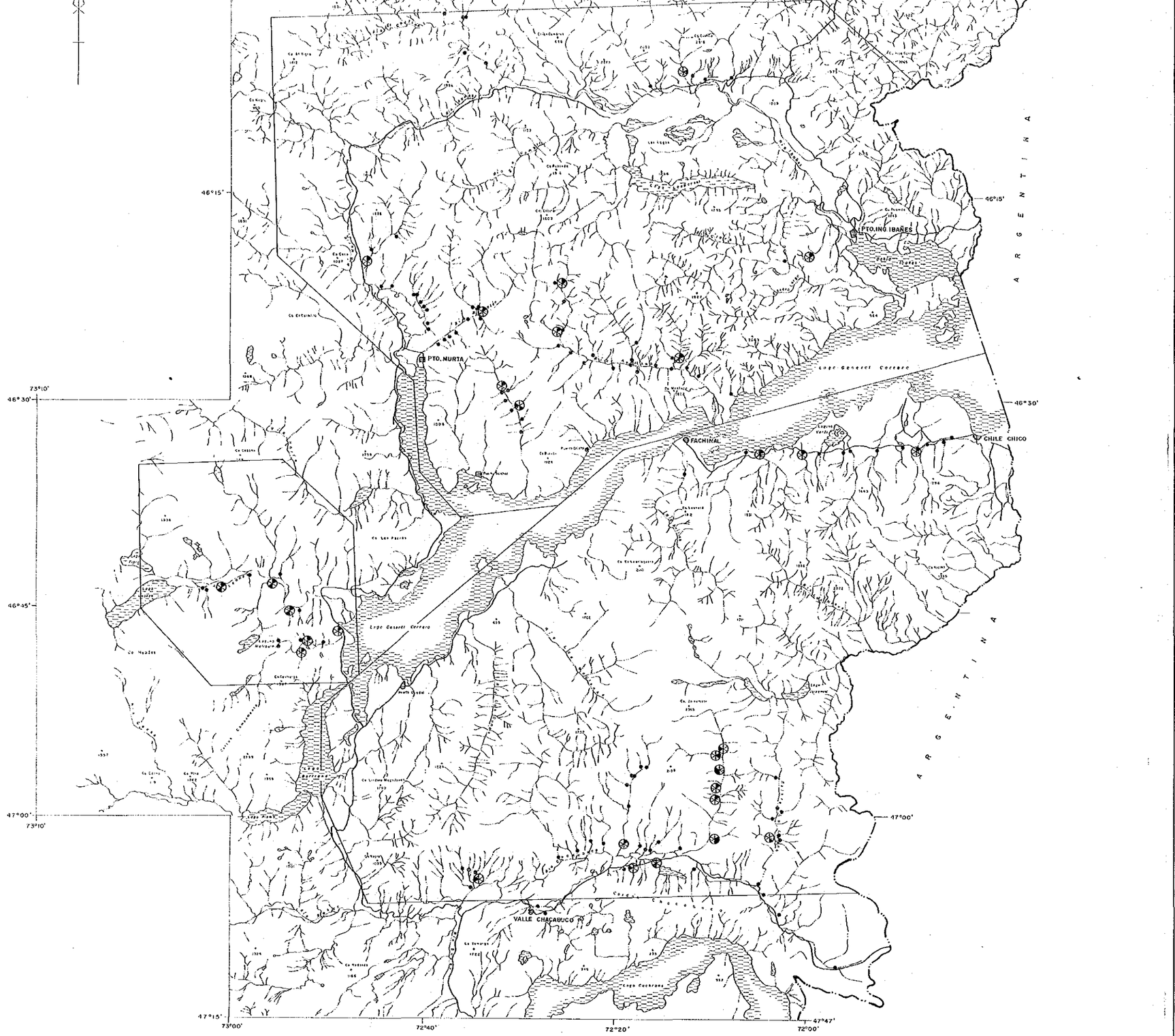


JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

0 10 20km



LEGEND

- Stream Sediment and Pan Cocentrate Samples

Stream Sediment + Pan Concentrate

Threshold	Threshold
Au ≥ < 20 ppb	Au ≥ 1,033 ng
Ag ≥ 0.380 ppm	Ag ≥ 43.953 ng
Pb ≥ 54.524 ppm	Pb ≥ 9.013 ng

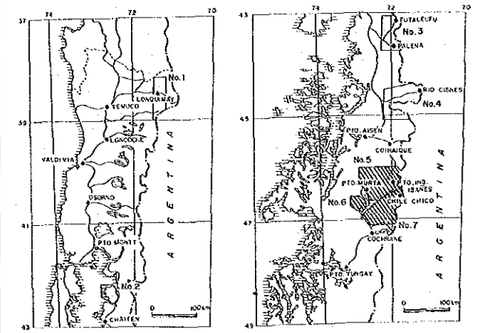
Au Au Ag Ag Pb Pb

Threshold ≤

Threshold >

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

ANOMALIES OF STREAM SEDIMENT GEOCHEMISTRY IN AREA NO.5(IBAÑEZ-MURTA AREA), NO.6(LOS LEONES AREA) AND NO.7(CHILE CHICO-CHACABUCO AREA) : PART 2

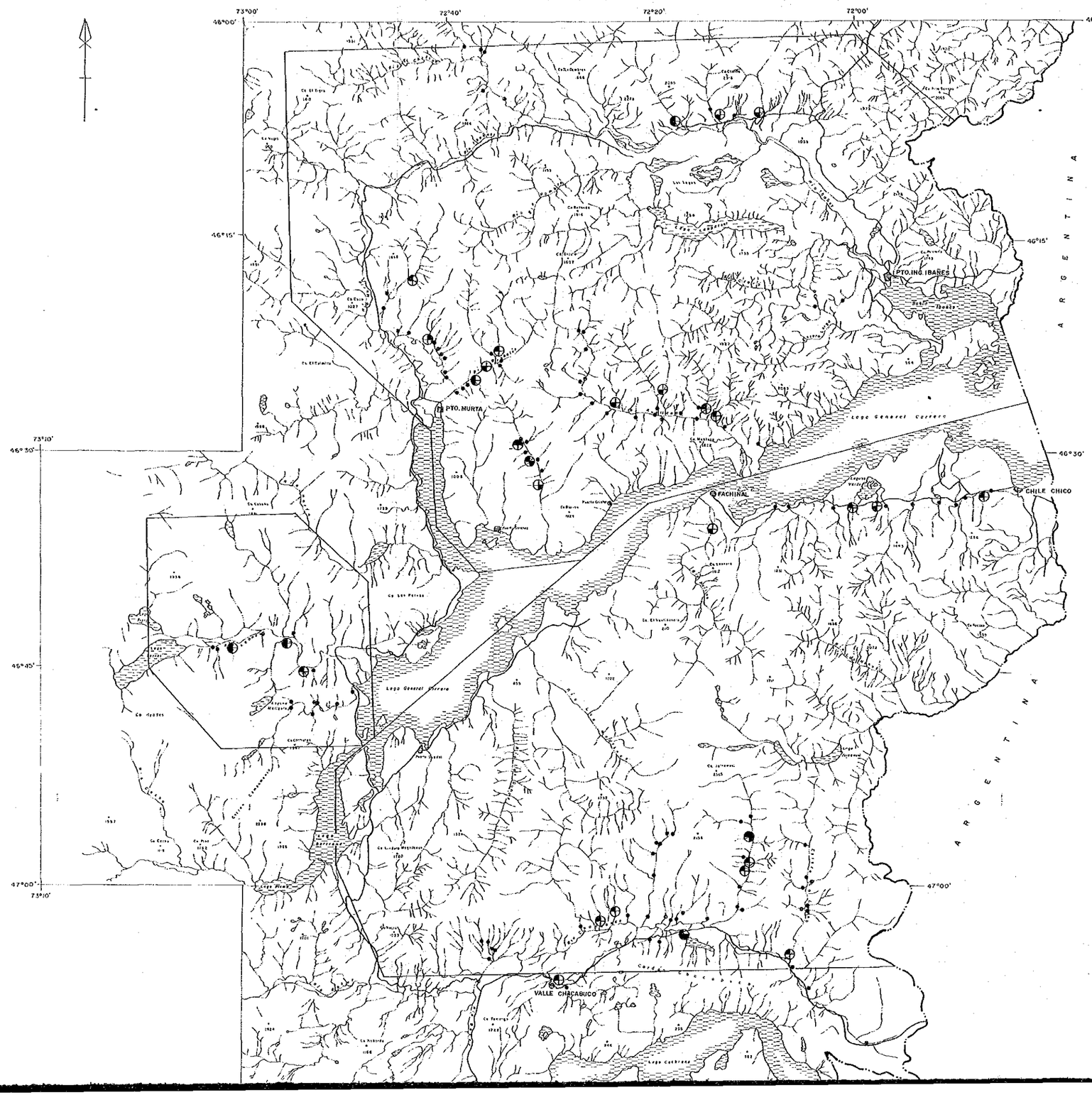


JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

0 10 20km



LEGEND

- Stream Sediment and Pan Cocentrate Samples

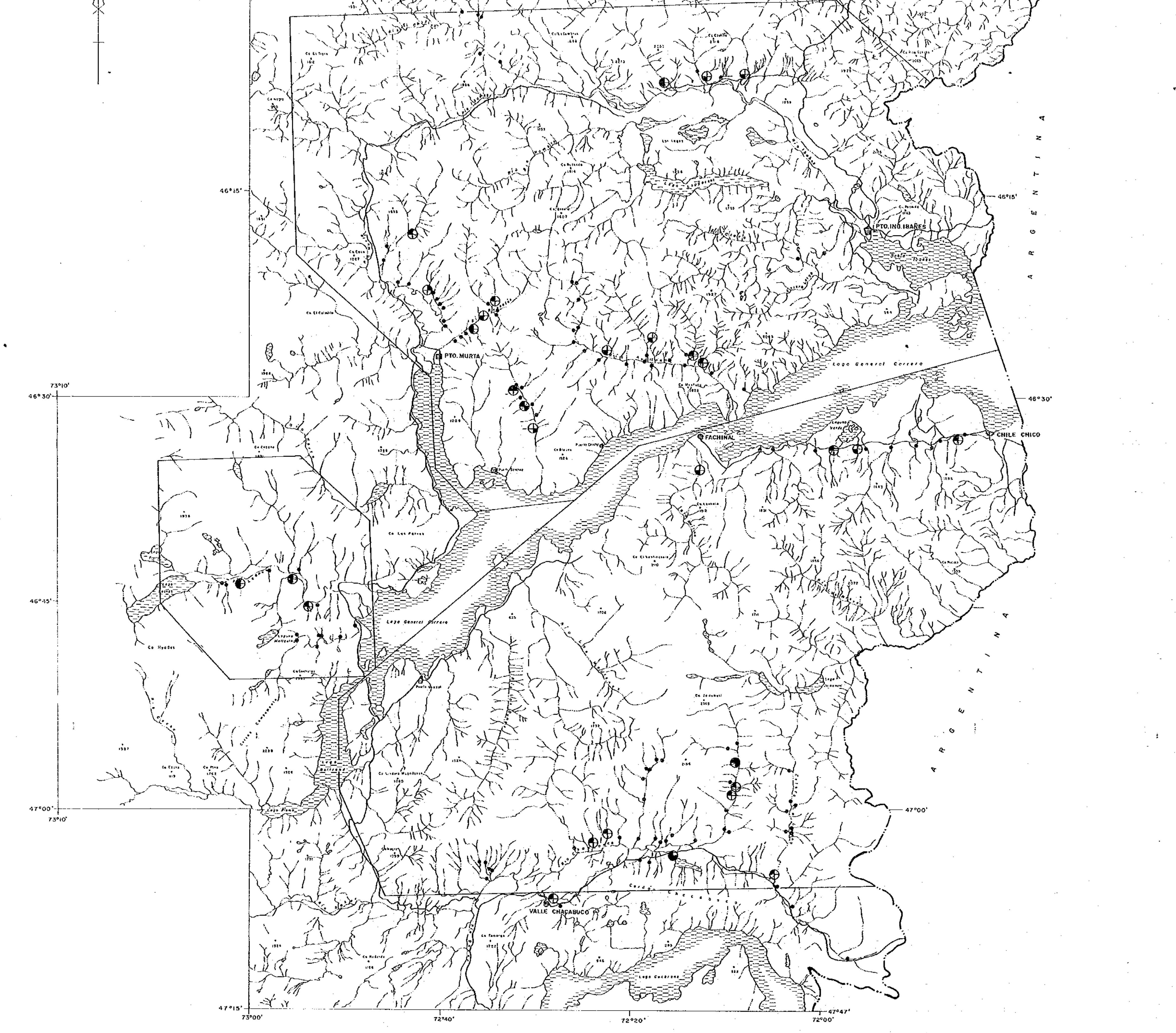
Stream Sediment

As | Cu
Mo | Zn

Threshold
Cu ≥ 48.529 ppm
Zn ≥ 155.804 ppm
Mo ≥ 0.979 ppm
As ≥ 18.197 ppm

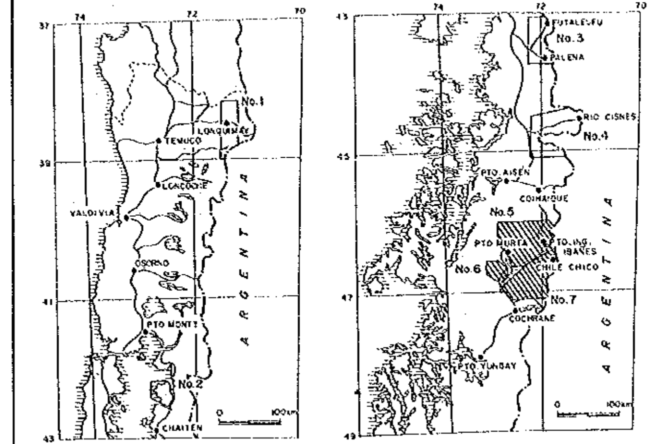
Threshold ≤

Threshold >



NO.5(IBAÑEZ-MURTA AREA), NO.6(LOS LEONES AREA)

AND NO.7(CHILE CHICO- CHACABUCO AREA) : PART 2



JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:250,000

0 10 20km

L E G E N D

● Stream Sediment and Pan Cocentrate Samples

Stream Sediment

As	Cu
Mo	Zn

Threshold

Cu ≥ 48.529 ppm
Zn ≥ 155.804 ppm
Mo ≥ 0.979 ppm
As ≥ 18.197 ppm

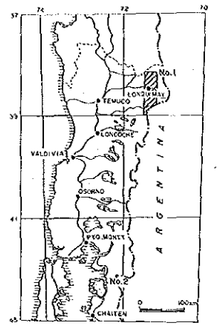
◼ Threshold ≤

◻ Threshold >

71°30'
71°15'
71°00'
38°15'
REPÚBLICA ARGENTINA
REPUBLICA ARGENTINA

THE INVESTIGATION OF MINERAL POTE
IN THE LOQUIMAY AREA AND REGIONS LOS LAG
PHASE I

LOCATION MAP OF SAMPLES AND MINES/PROSPECT
NO.1(LONQUIMAY AREA)



JUNE 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

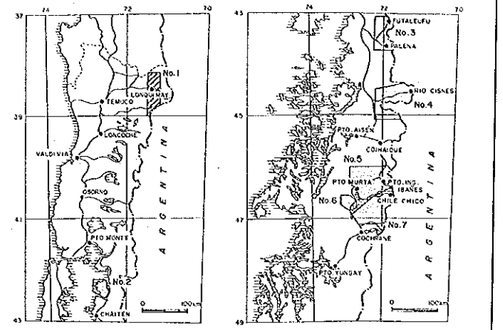
Scale 1:100,000
0 5

LEGEND

- Stream Sediment and Pan Cocentrate for Geoch
- TS15 — TS : Streaa Sedicent; TP : Pan Concentrate
- X Rock/Ore Sample for Labaratoty Exploration
- X TM15 — TM : Ore Assay; TPs : Polished Section; TT : Thin Section; TR : Whole Rock Analysis; TD : K/Ar Absolute Age Dete; TX : X-ray Diffraction Anal
- 1-5 Nusber of Deposits
- Cu Principal Metal
- Survey Area

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND A'SEN PHASE I

LOCATION MAP OF SAMPLES AND MINES/PROSPECTS IN AREA NO.1(LONQUIMAY AREA)



JUNE 1990

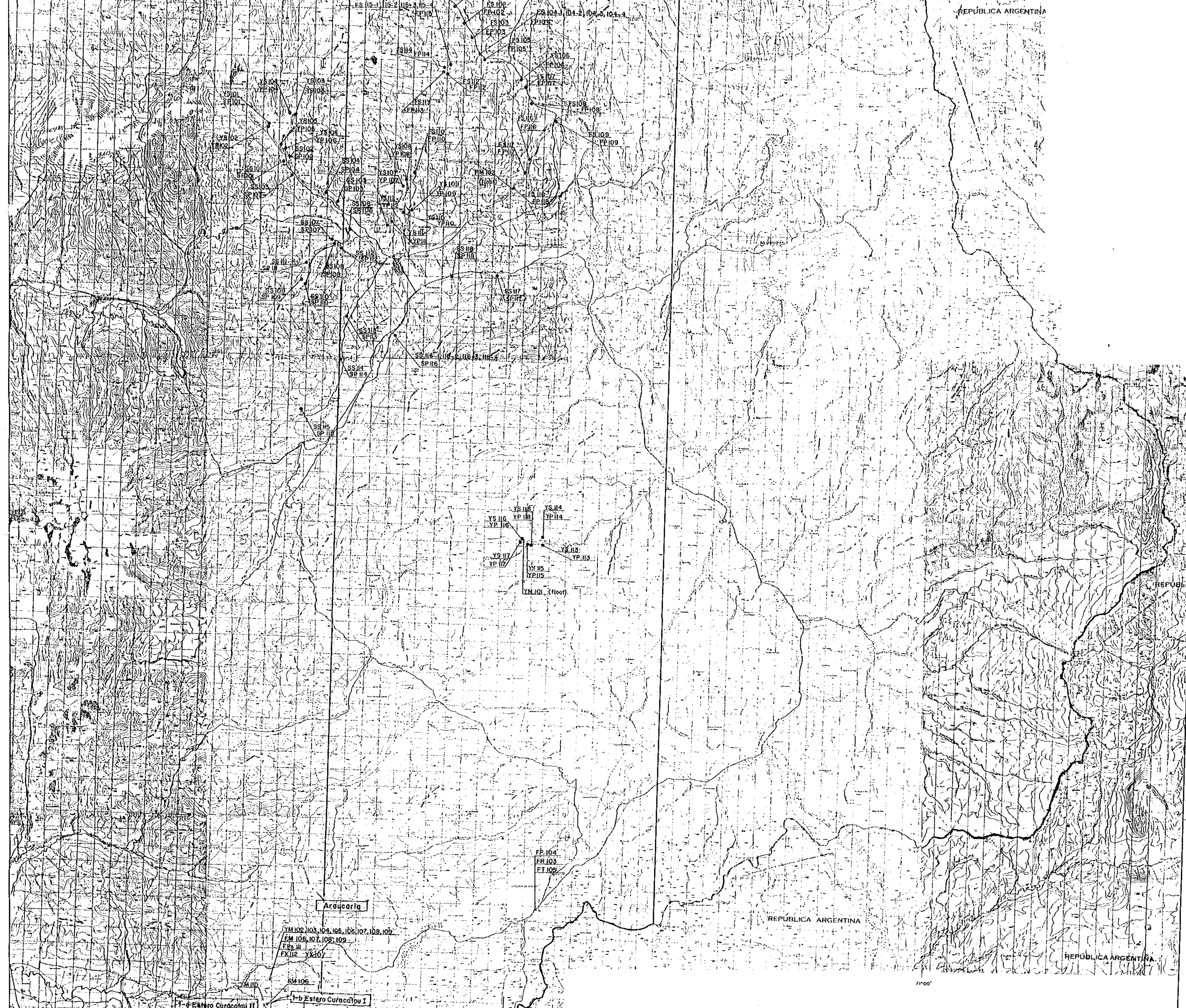
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:100,000

0 5 10km

LEGEND

- Stream Sediment and Pan Concentrate for Geochemical Exploration
  - TS15 — TS : Stream Sediment; TP : Pan Concentrate
- X Rock/Ore Sample for Laboratory Exploration
  - X TM15 — TM : Ore Assay; PS : Polished Section; TT : Thin Section; TR : Whole Rock Analysis; TD : K/Ar Absolute Age Determination; TX : X-ray Diffraction Analysis
- 1-5 Number of Deposits
- Cu Principal Metal
- Survey Area



Sediment and Pan Concentrate for Geochemica

● TS15 — TS : Stream Sediment
TP : Pan Concentrate

X Rock/Ore Sample for Laboratory Exploration

X TM15 — TM : Ore Assay
TPs : Polished Section
TT : Thin Section
TR : Whole Rock Analysis
TD : K/Ar Absolute Age Determinat
TX : X-ray Diffraction Analysis

1-5 Number of Deposits

Cu Principal Metal

▭ Survey Area

- Stream Sediment and Pan Cocentrate for Geochemical Exploration

  - IS15 — TS : Stream Sediment
  - IS15 — TP : Pan Concentrate

- X Rock/Ore Sample for Laboratory Exploration

  - X TM15 — TM : Ore Assay
  - X TM15 — TPs : Polished Section
  - X TM15 — TT : Thin Section
  - X TM15 — TR : Whole Rock Analysis
  - X TM15 — TD : K/Ar Absolute Age Determination
  - X TM15 — TX : X-ray Diffraction Analysis

- 1 - 5 — Number of Deposits
- Cu — Principal Metal
- Survey Area

REPÚBLICA ARGENTINA

REPÚBLICA ARGENTINA

REPÚBLICA ARGENTINA

REPÚBLICA ARGENTINA

Araucaria

71°00'

SS 116
SP 116

SS 115
SP 115

SS 114
SP 114

SS 113
SP 113

YS 116
YP 116

YS 118
YP 118

YS 114
YP 114

YS 113
YP 113

YS 117
YP 117

YS 115
YP 115

YN 101 (floor)

FP 104
FR 103
FT 105

Araucaria

YM 102, 103, 104, 105, 106, 107, 108, 109
EM 106, 107, 108, 109
FRs III
FX 112 YX 107

YM 110

SM 106

1-b Estero Curacaíbu I

1-a Estero Curacaíbu II

SM 101, 102, 103, 104

SM 105

REPÚBLICA ARGENTINA

REPÚBLICA ARGENTINA

REPÚBLICA ARGENTINA

71°30'

71°15'

71°00'

SS II5
SP II5

SS II4
SP II4

SS II6-1, II6-2, II6-3, II6-4
SP II6

SP II7

YS II8
YP II8

YS II4
YP II4

YS II6
YP II6

YS II3
YP II3

YS II7
YP II7

YS II5
YP II5

YN I01 (float)

FP I04
FR I03
FT I02

Araucaria

YM I02, I03, I04, I05, I06, I07, I08, I09
EM I06, I07, I08, I09
FPs III
FX II2

YS I07

YM II0

SM I06

I-b Estero Curacatou I

I-c Estero Curacatou II

EM I01, I02, I03, I04

SM I05

REPÚBLICA ARGENTINA

REPÚBLICA ARGENTINA

REPÚBLICA ARGENTINA

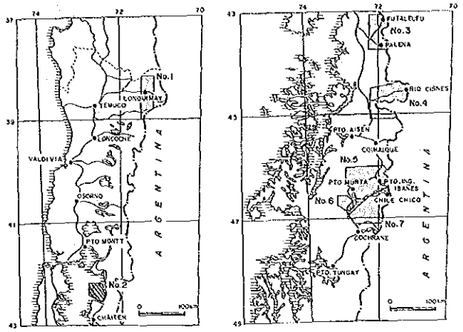
71°30'

71°15'

71°00'

THE INVESTIGATION OF MINERAL POTENTIAL IN THE LOQUIMAY AREA AND REGIONS LOS LAGOS AND AYSEN PHASE I

LOCATION MAP OF SAMPLES AND MINES/PROSPECTS IN AREA NO.2(HUEQUI PENINSULA AREA)



JUNE 1990

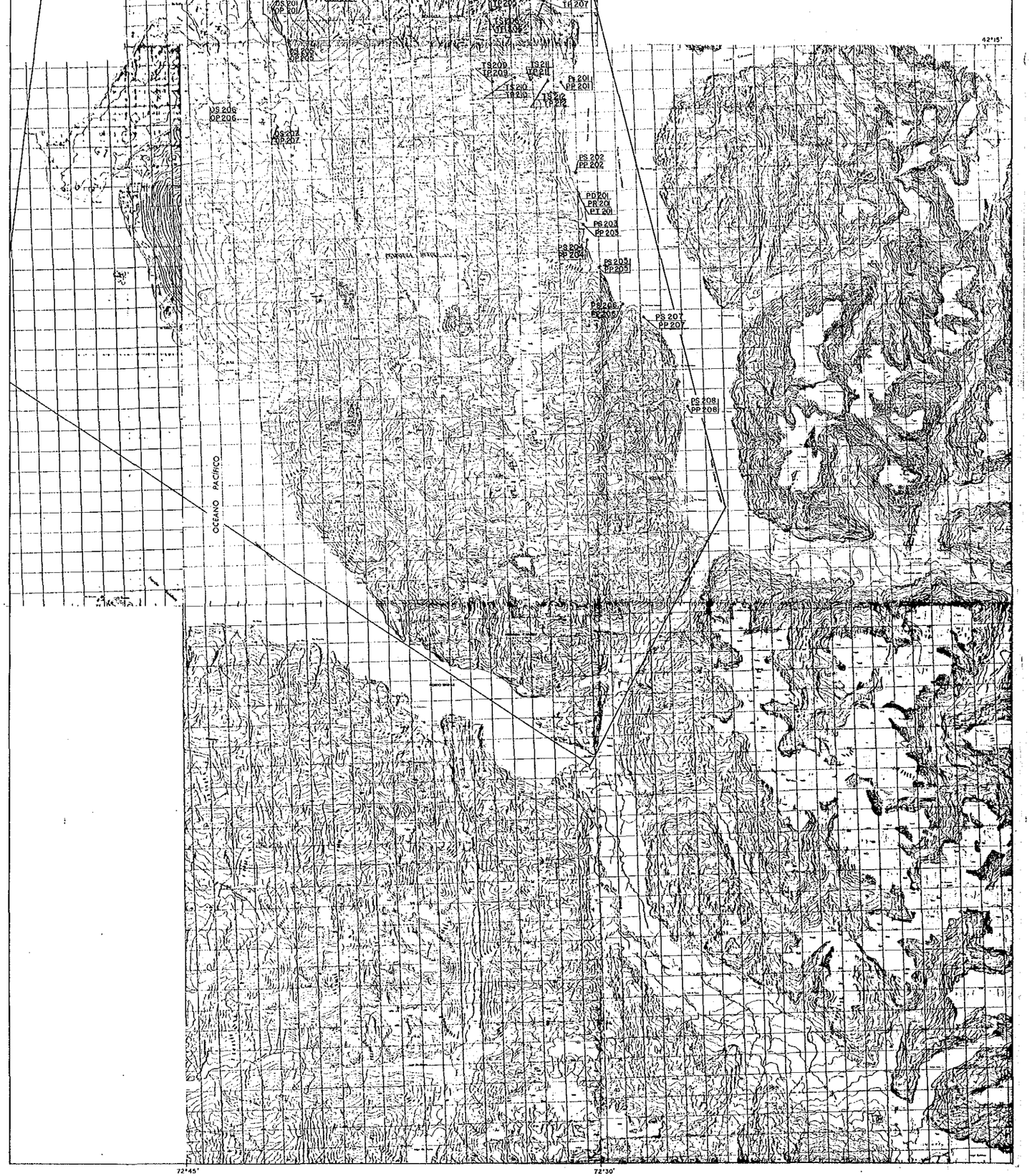
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:100,000

0 5 10km

LEGEND

- ● Stream Sediment and Pan Cocentrate for Geochemical Exploration
  - ● TS25 — TS : Stream Sediment; TP : Pan Concentrate
- X Rock/Ore Sample for Laboratory Exploration
  - X TM25 — TM : Ore Assay; TPs : Polished Section; TT : Thin Section; TR : Whole Rock Analysis; TD : K/Ar Absolute Age Determination; TX : X-ray Diffraction Analysis
- 2-5 Number of Deposits
- Cu Principal Metal
- Survey Area



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