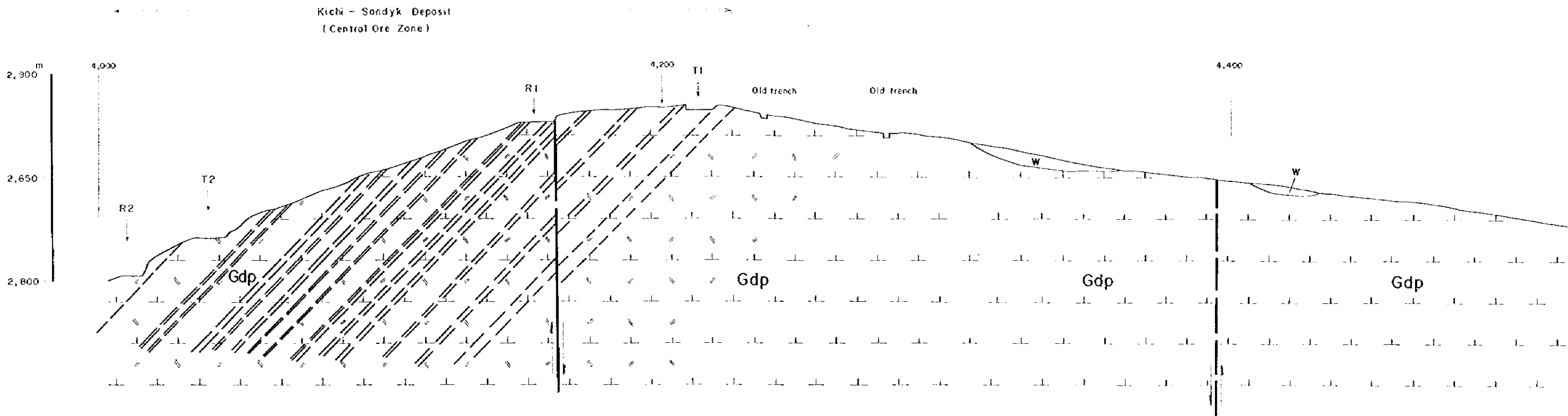


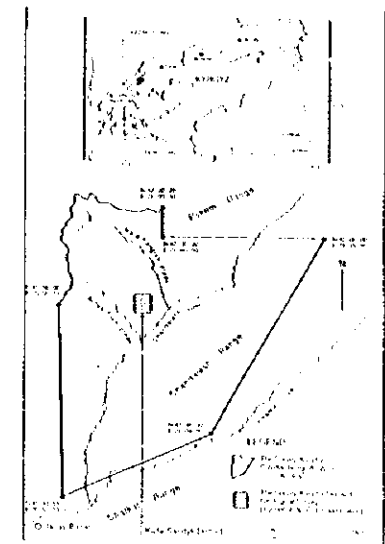
A



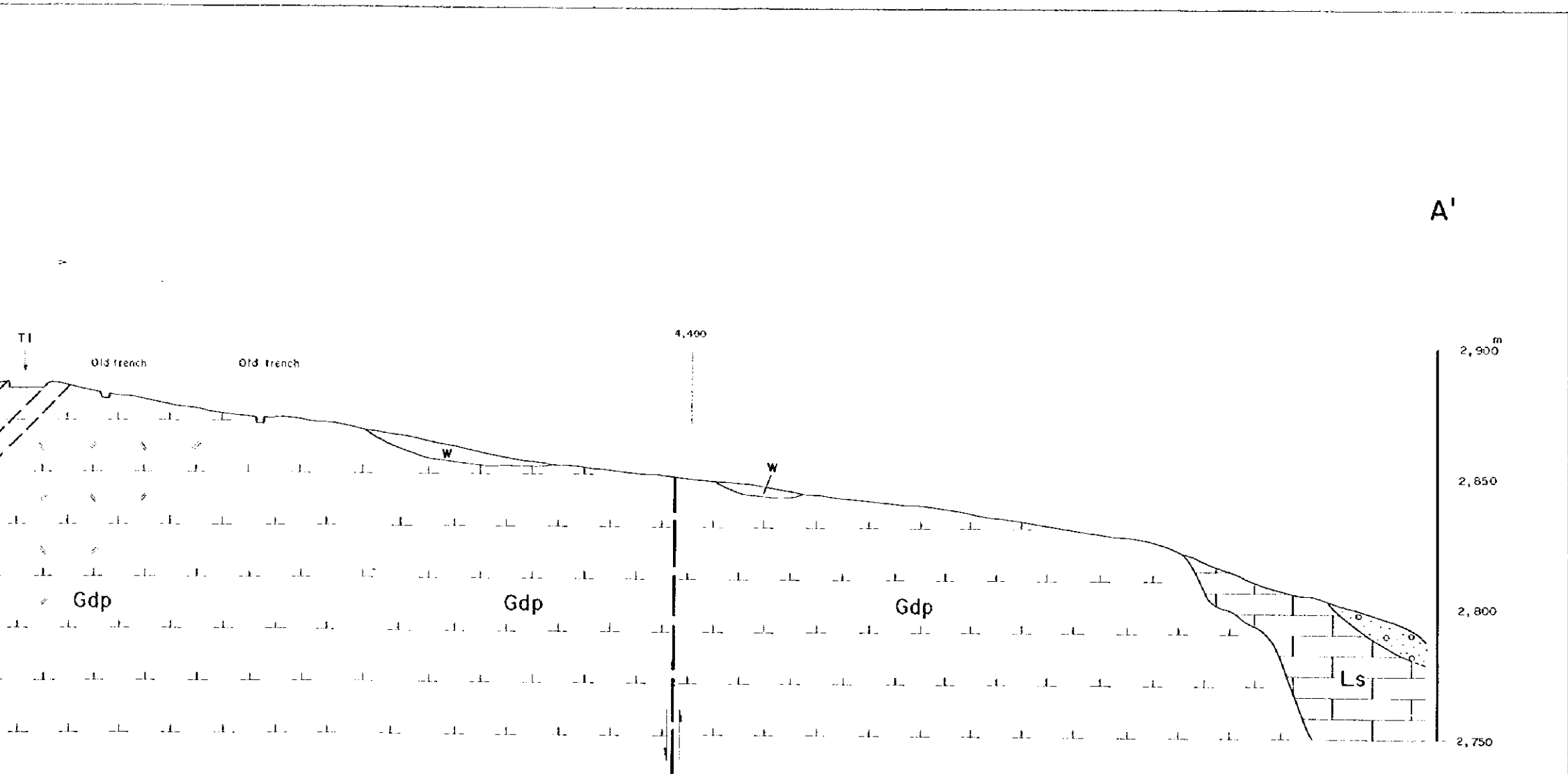
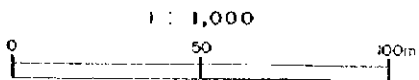
B



THE MINERAL EXPLORATION
IN
THE KICH-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE I)
Geological Cross Section (A-A', B-B') of the
Kich-Sandyk Deposit (1:1,000)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by MIRECO

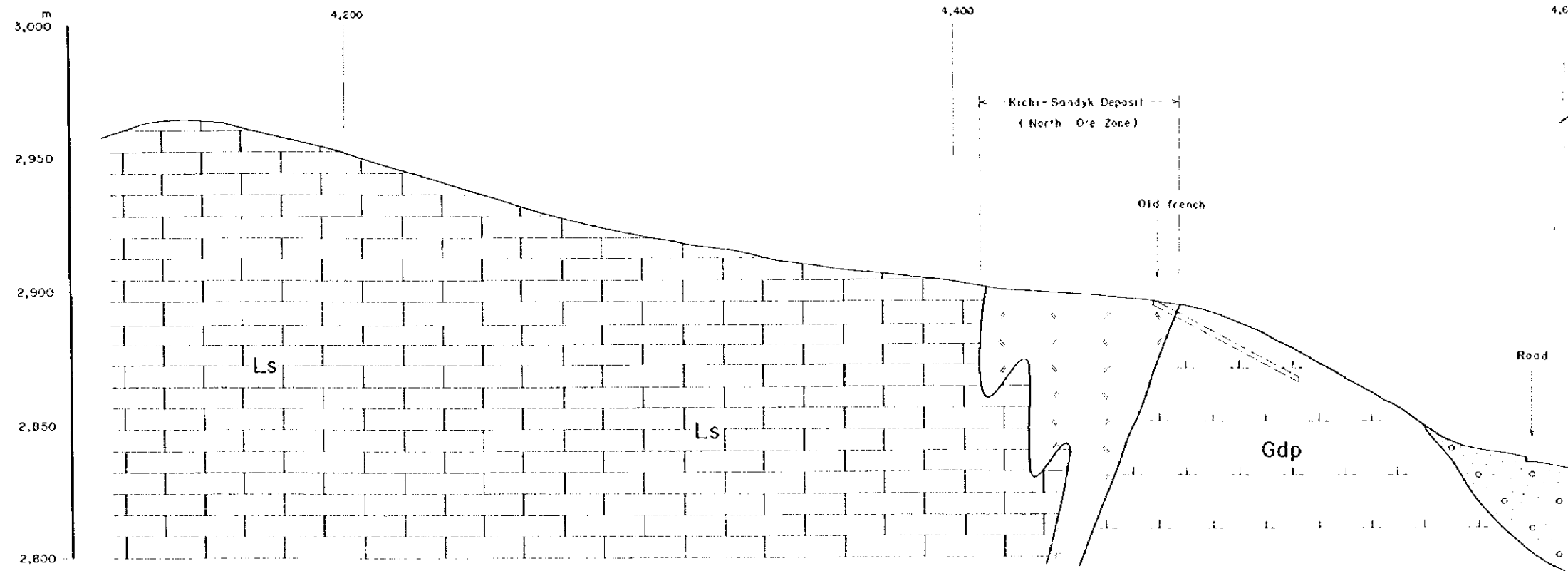


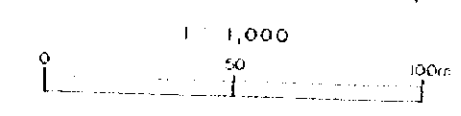
LEGEND

- W waste, ancient extractions
- Quaternary Q sand, clay, unconsolidated sediments
- Tertiary C conglomerate
- Carboniferous Ls limestone, marble
- (Intrusive Rocks)
- Permian Gdp granodiorite porphyry (Chaimansay complex)
- Carboniferous Ornz quartz monzonite (Sandiskh complex)
- massive skarn (exo skarn)
- skarnized limestone
- silicified granodiorite porphyry (fendo skarn)
- fault
- inferred fault



B

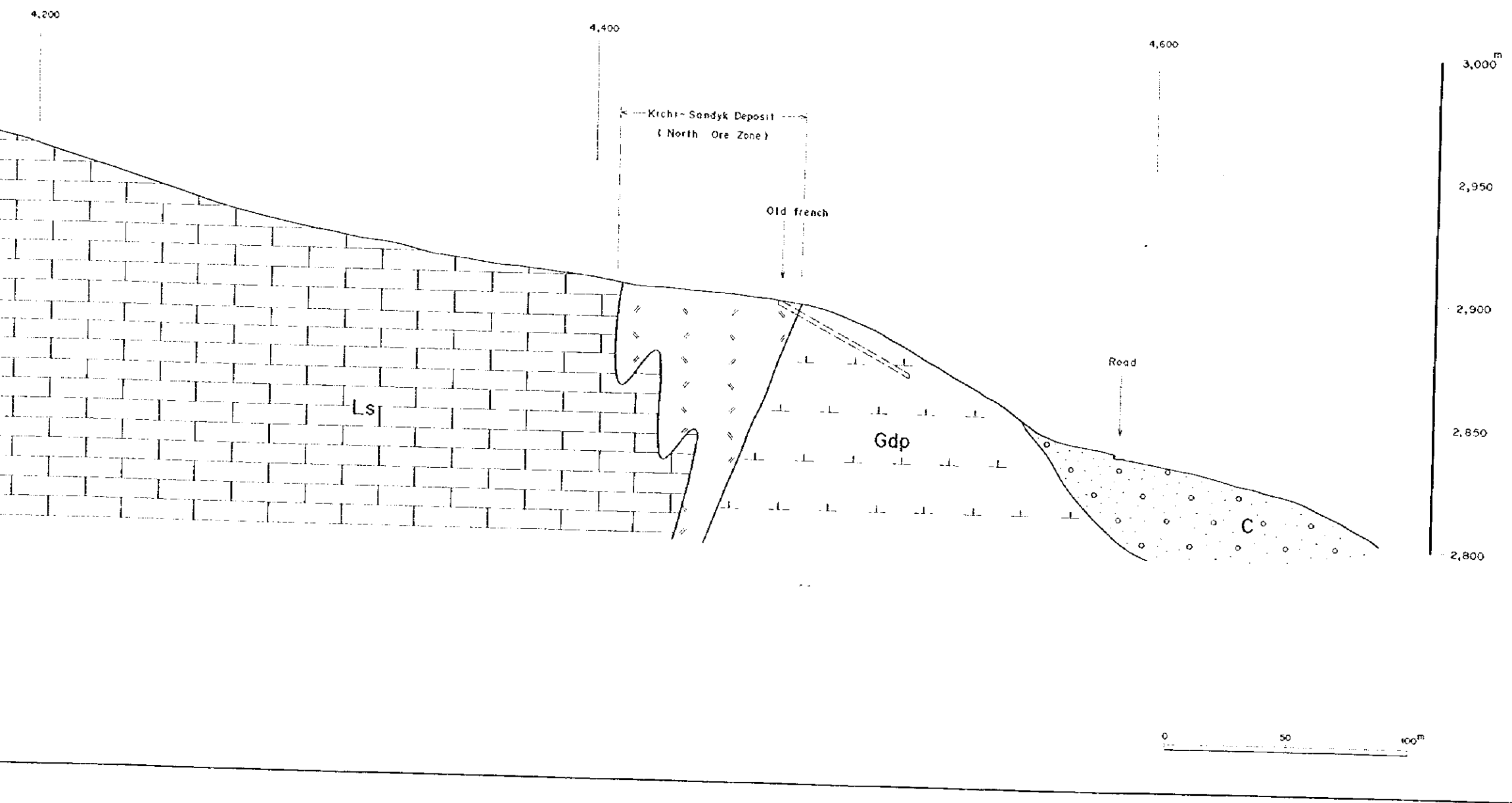




LEGEND

- W waste, ancient extractions
- Quaternary Q sand, clay unconsolidated sediments
- Tertiary C conglomerate
- Carboniferous Ls limestone, marble
- [Intrusive Rocks]
- Permian Gdp granodiorite porphyry (chalmanasay complex)
- Carboniferous Qmz quartz monzonite (sandalakush complex)
- massive skarn (exo skarn)
- skarnized limestone
- granodiorite porphyry
- sulfidized granodiorite porphyry (endo skarn)
- fault
- inferred fault

B'



2,800
5,600

5,400

5,200

5,000

4,800

4,600

3,000

3,200

3,400

3,600

3,800

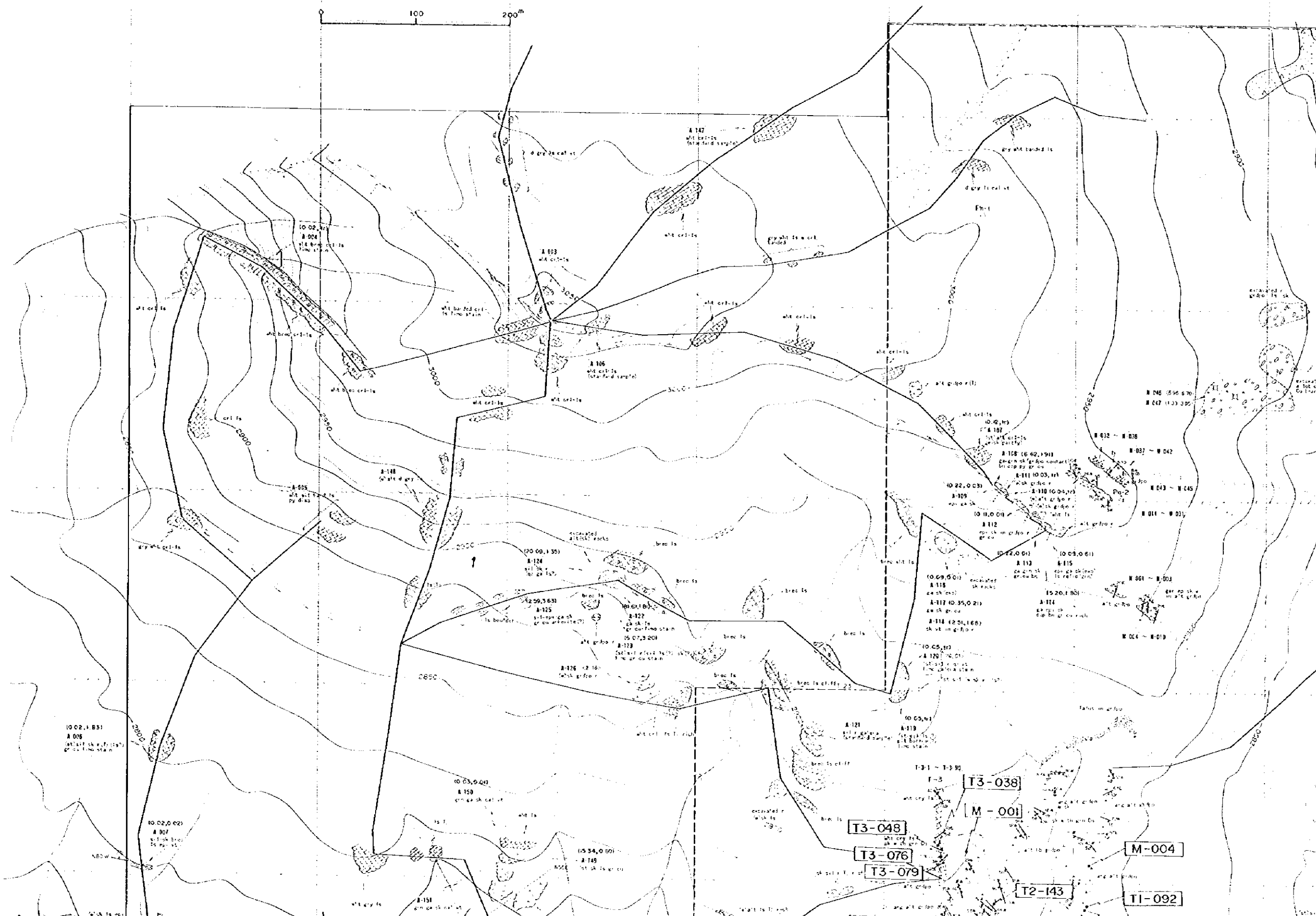
4,000

4,200

4,400

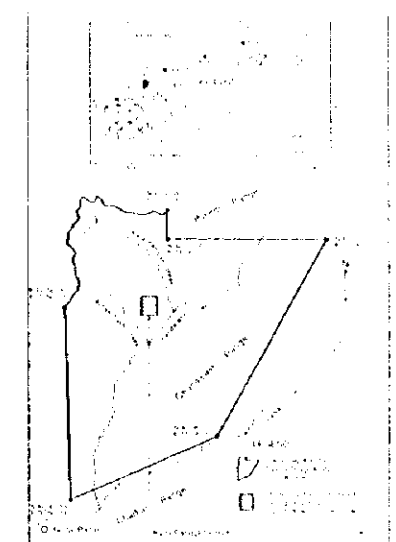


0 100 200m



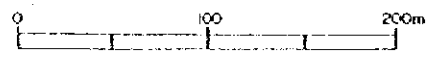
THE MINERAL EXPLORATION
IN
THE KICHE-SANDYK DISTRICT
THE KYRGYZ REPUBLIC
(PHASE D)

Location Map of Rock and Ore Samples for
Laboratory Works (1:2,000)



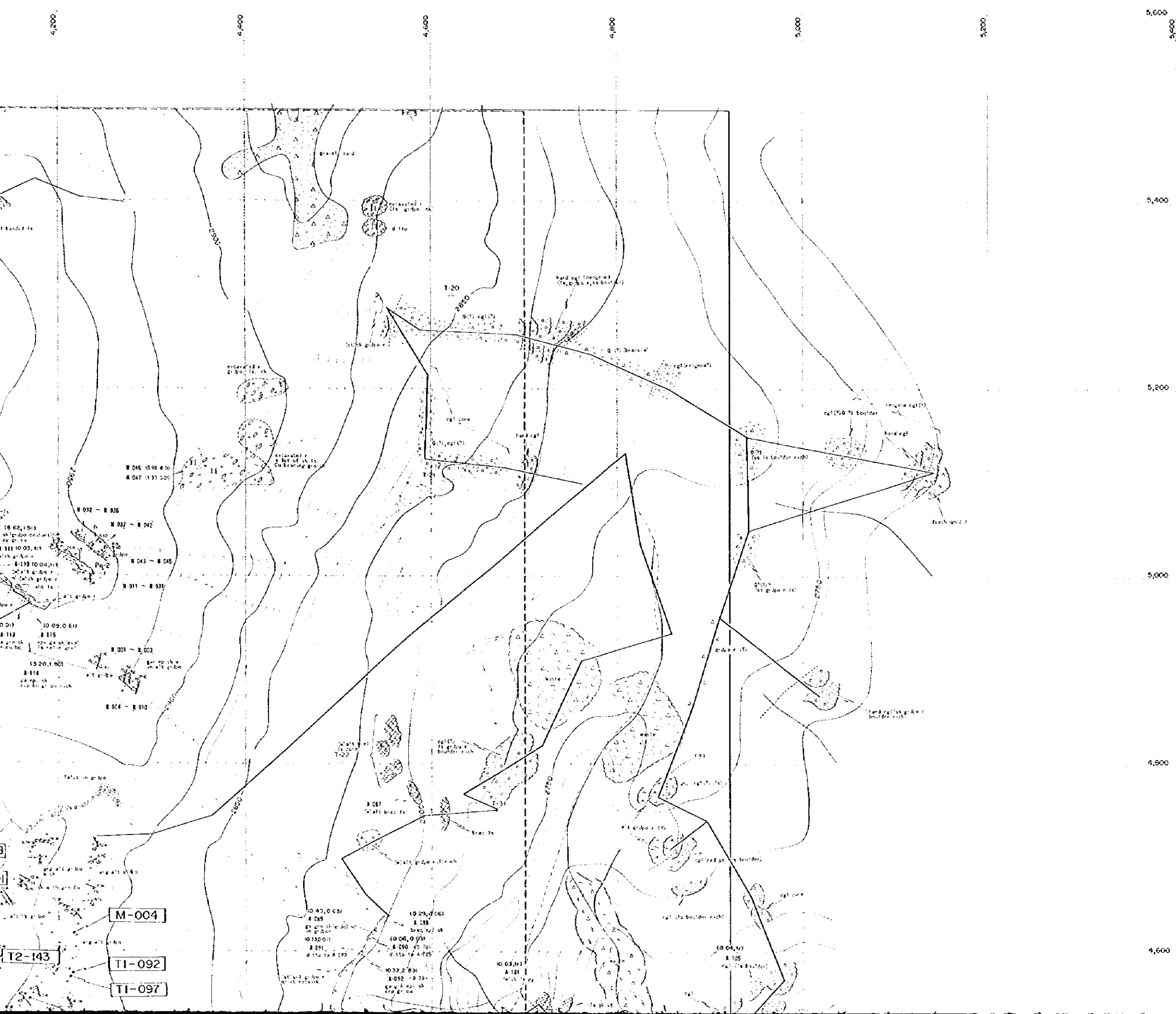
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by MMR/ICO

1 : 2,000

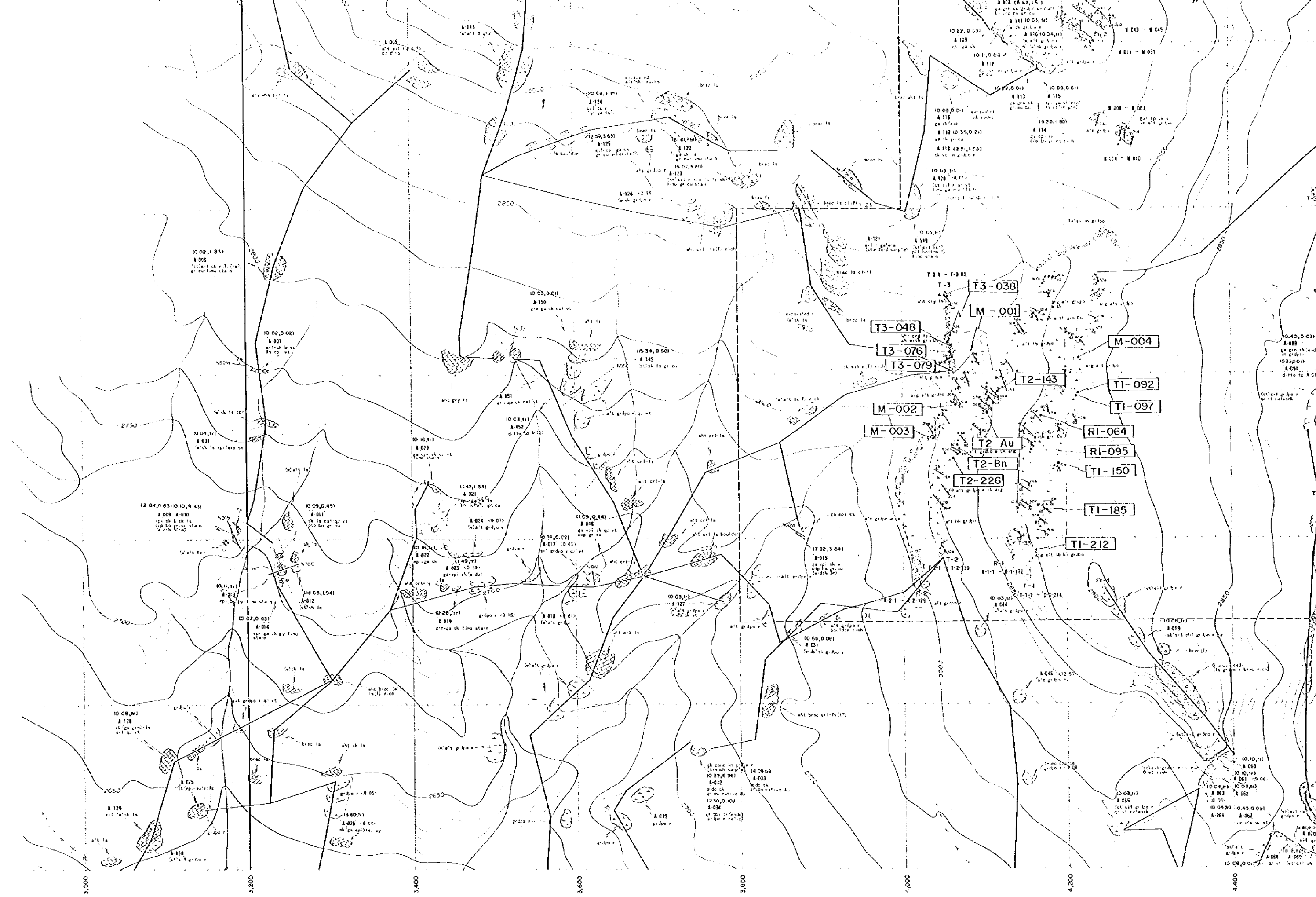


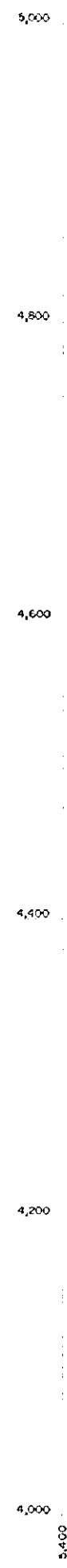
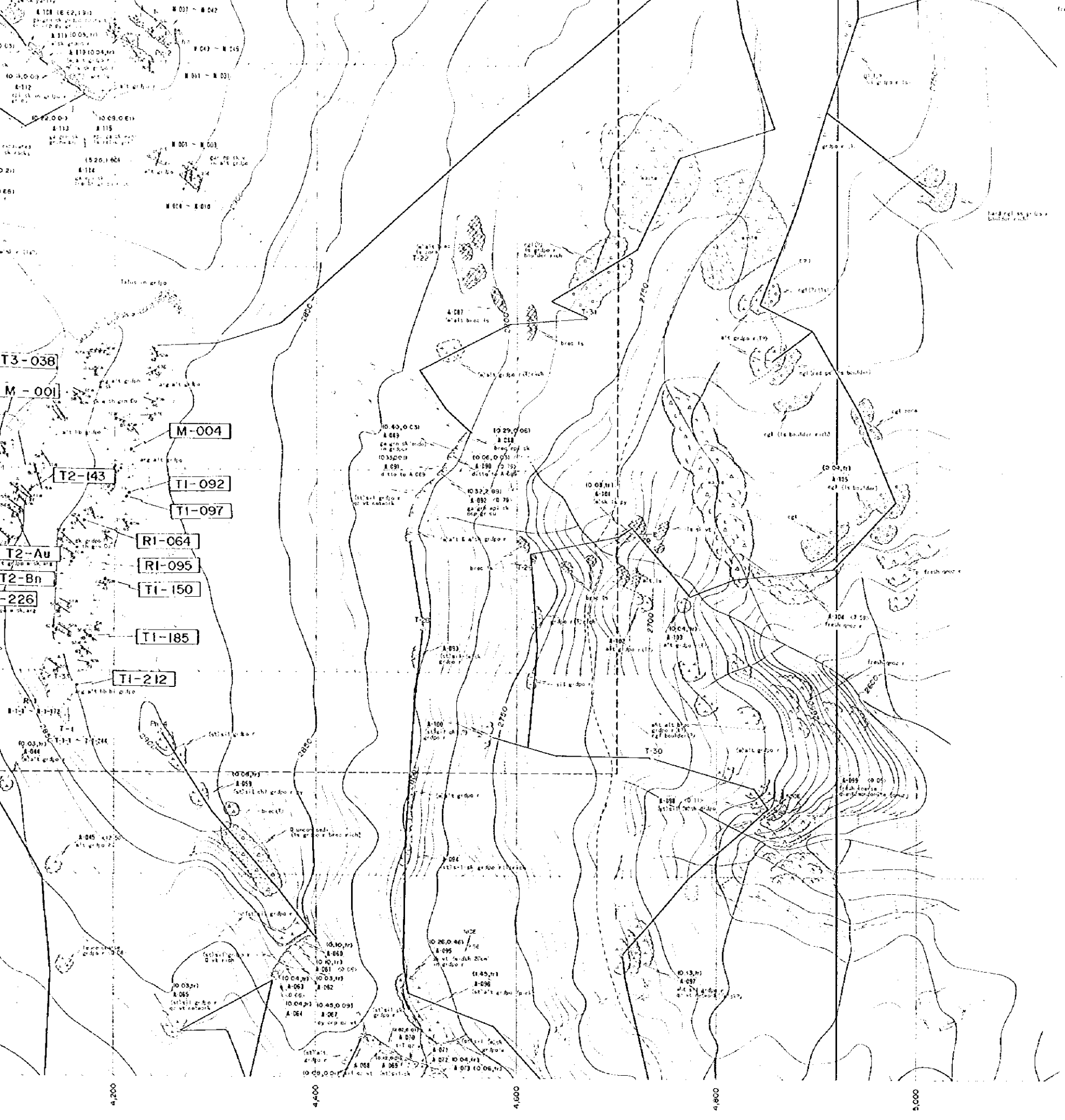
LEGEND

- Excavated rocks, dump of mineral extractor
- Soil, sand, gravel
- Conglomerate
- Limestone
- Hard rock outcrop
- Sandstone
- (0.50, 0.50) (0.50, 0.50)
100 grade pit, 100 grade 100
Sampling point and sample number
- Dashed line
Geological boundary
Scale 1:2,000
- Solid line
Geological boundary
Scale 1:2,000



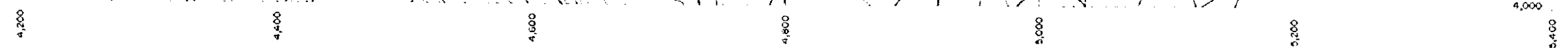
5,000
4,800
4,600
4,400
4,200
4,000
3,800

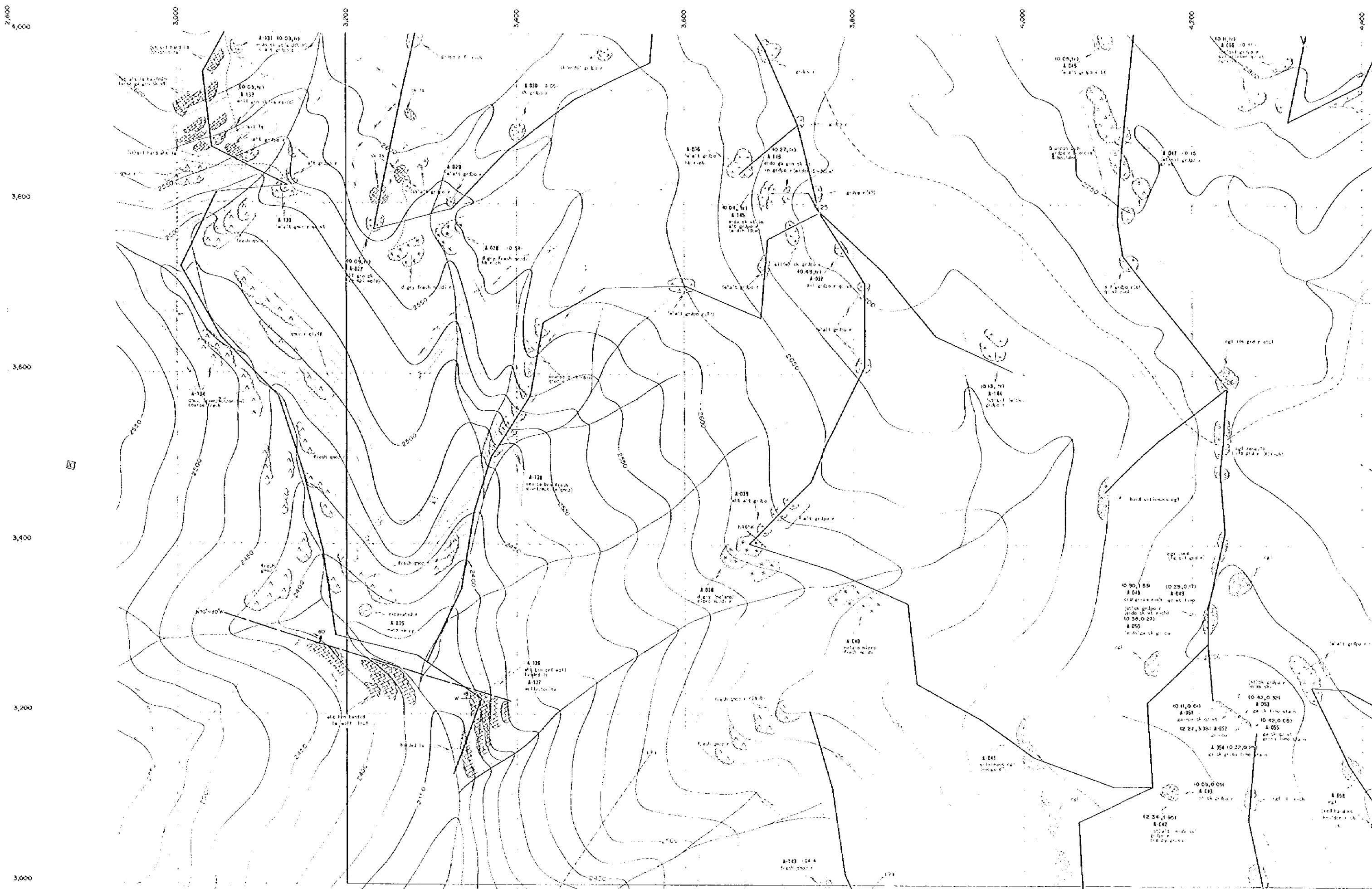




LEGEND

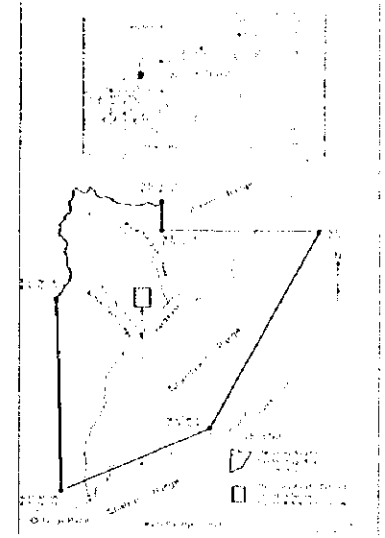
- Faulted rocks, dipping to the right
- Sandstone
- Conglomerate
- Limestone
- Granite gneiss
- Schist
- 0534,060 (Au grade g/t, Cu grade %)
- A-143 (Sampling Point and Sample Number)
- geological survey area 1:2000
- detailed geological survey area 1:1000





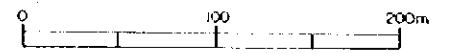
THE MINERAL EXPLORATION
IN
THE KICH SANDYK DISTRICT
THE KYRGYZ REPUBLIC
(PHASE D)

Location Map of Rock and Ore Samples for
Laboratory Works (1:2,000)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by JMR/CGO

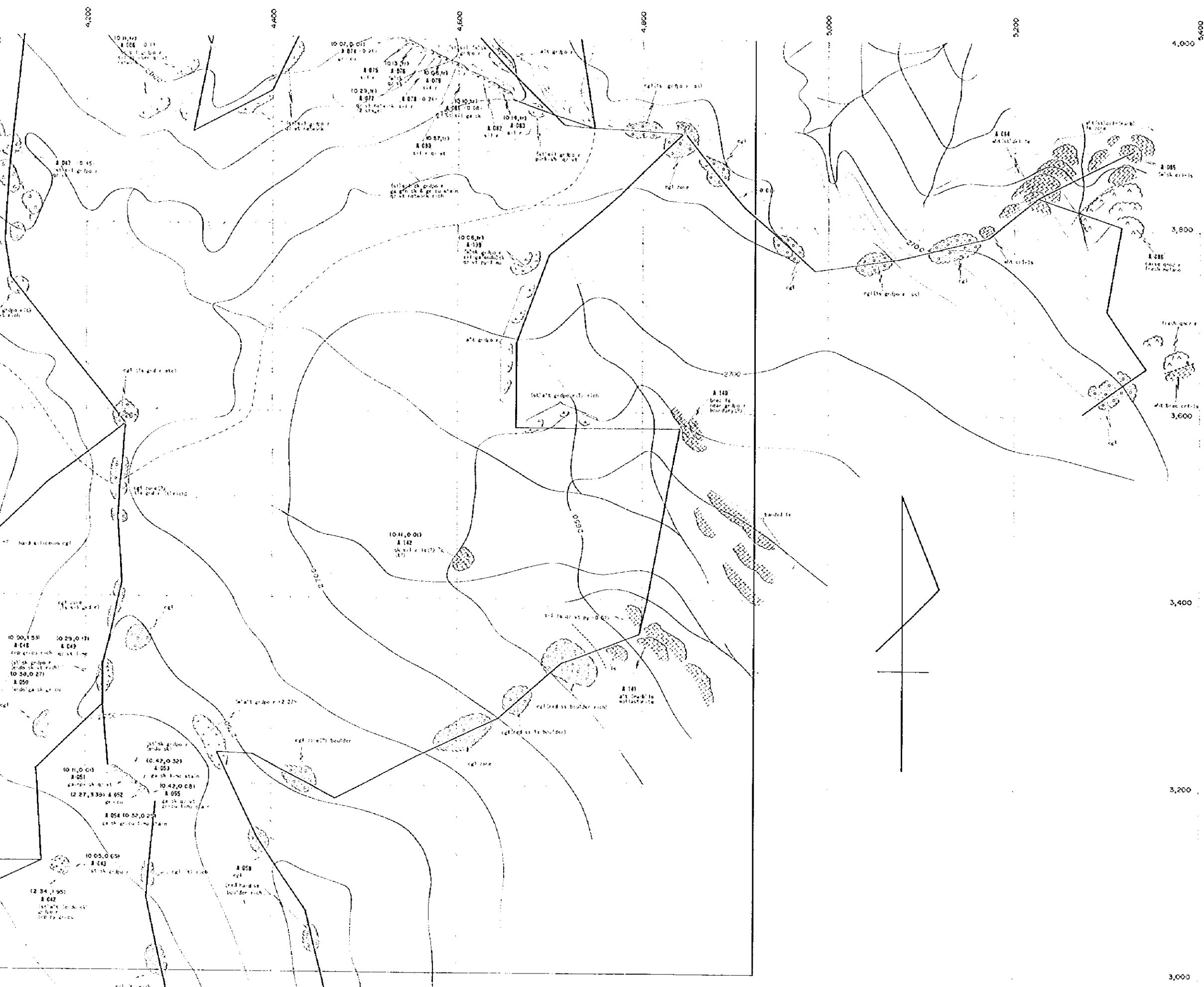
1 : 2,000



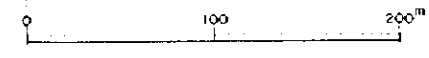
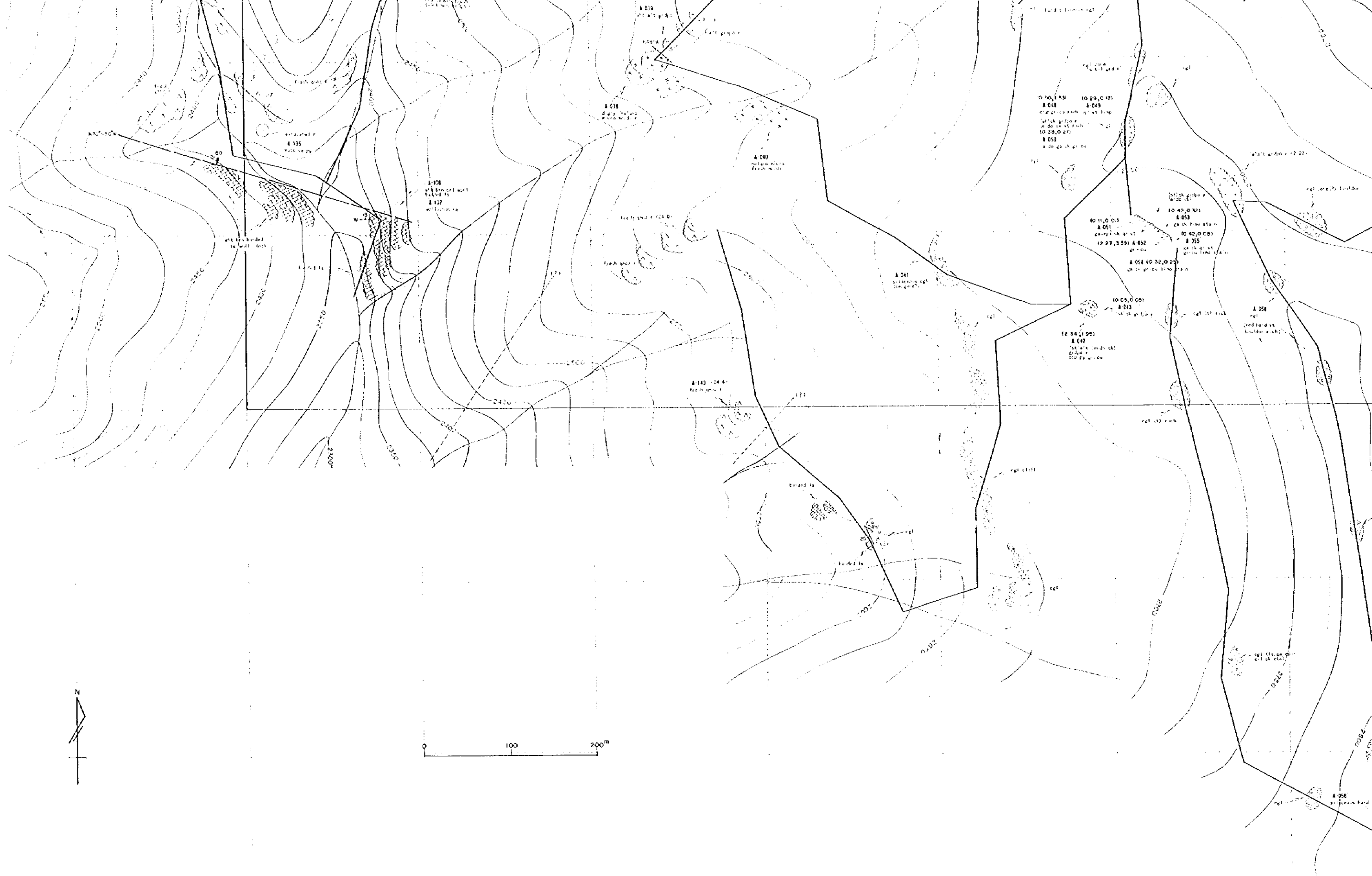
LEGEND

- Exposed rocks, dump of waste material
- Soil, Sand, gravel
- Conglomerate
- Tuffite
- Reddish-brown sandstone
- Sandstone
- Sandstone with pebbles
- Sandstone with pebbles

boundary of the study area
 boundary of the district

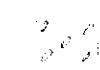
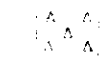
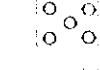
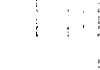
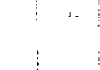

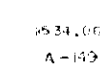






3,400
3,200
3,000
2,800
2,600
2,400





LEGEND

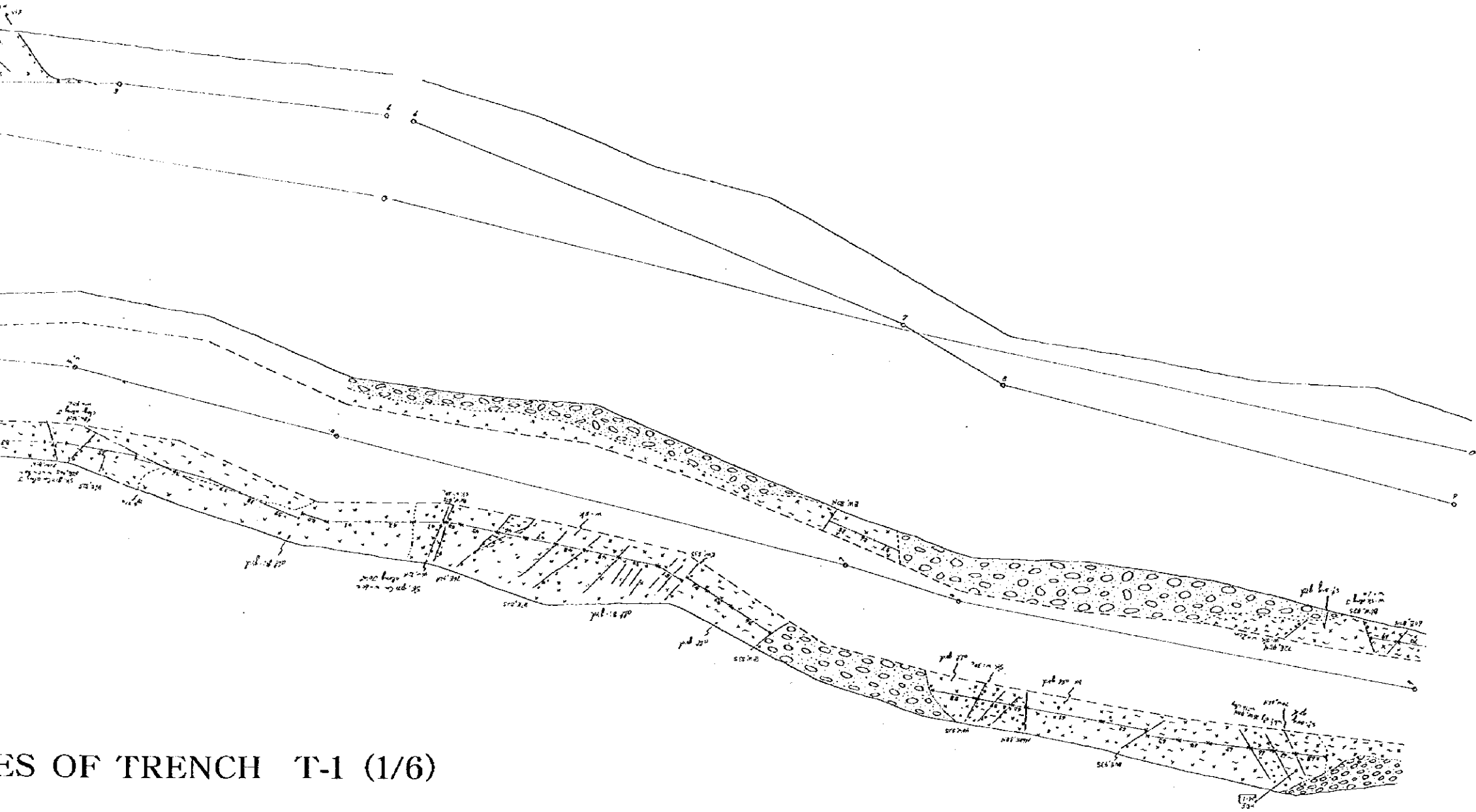
-  Faulted rocks, steeply folded, etc.
-  Sandstone, gneiss
-  Conglomerate
-  Limestone
-  Sandstone, gneiss
-  Granite
-  Shale
-  10 54,000
-  A-140
-  geology area 1:2000
-  geology area 1:10000

3,400
3,200
3,000
2,800
2,600
2,400

4,200 4,400 4,600 4,800 5,000 5,200



SKETCHES OF TRENCH T-1 (1/6)

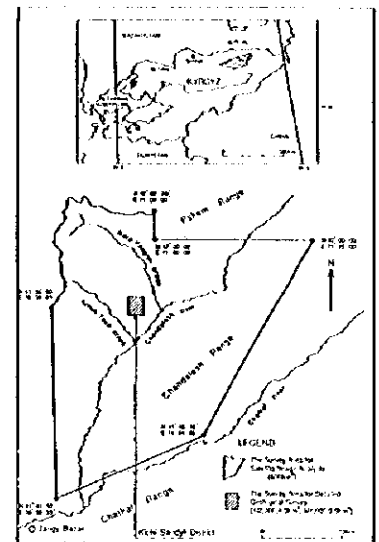


ES OF TRENCH T-1 (1/6)

PL. II-3-6(1)

THE MINERAL EXPLORATION
IN
THE KICHI-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE I)

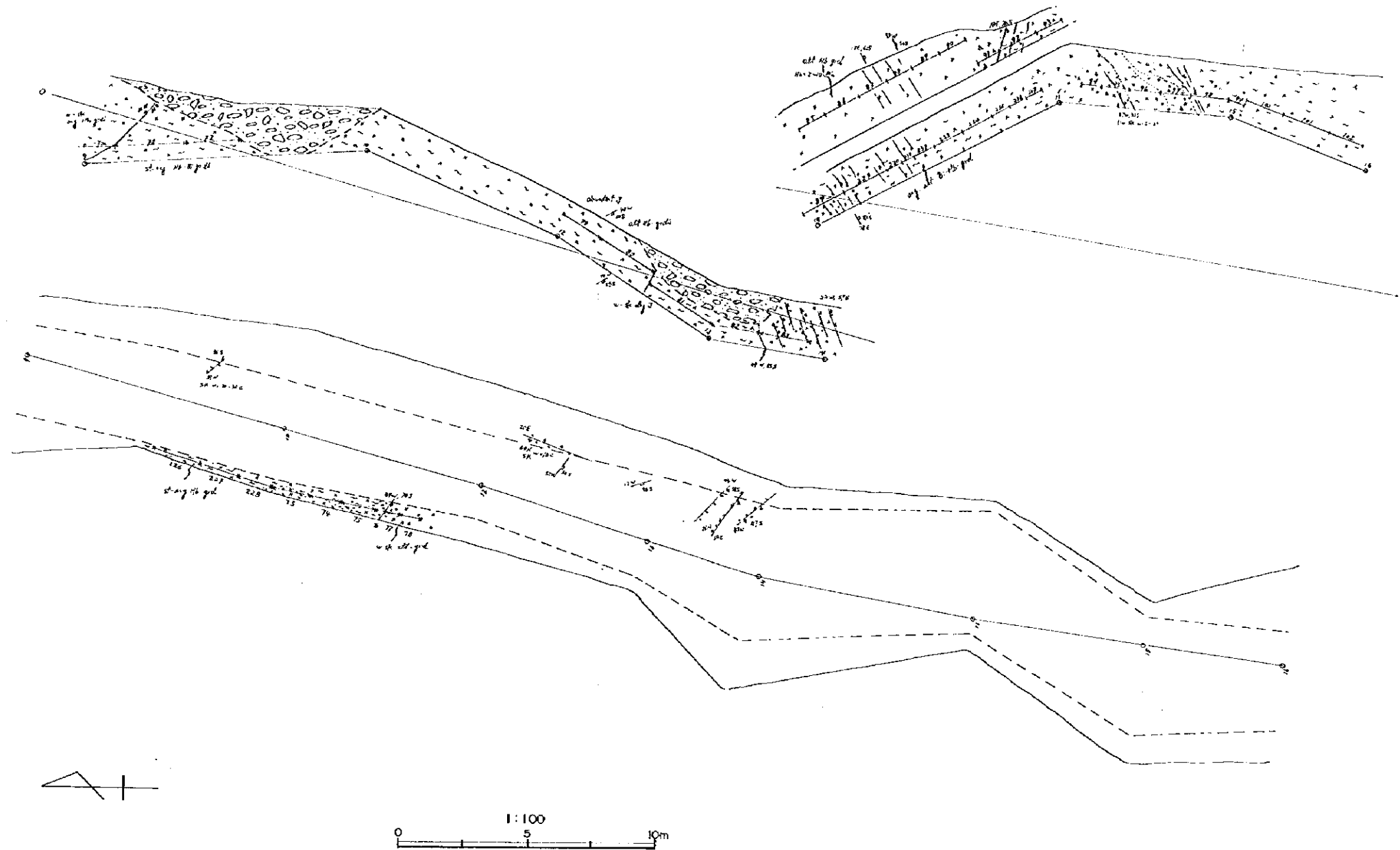
Details Sketches of Trenches in the Kichi-Sandyk
Deposit (1:100)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by SIMRICO

LEGEND

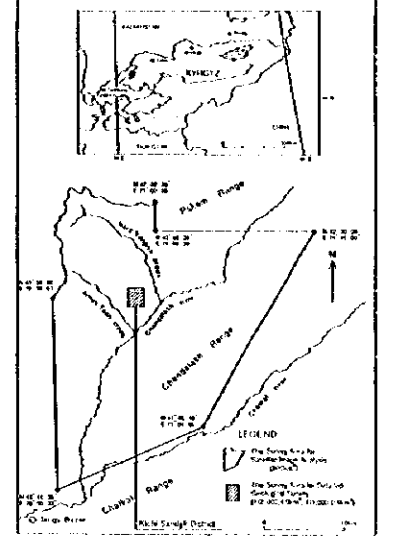
- Soil, sand, ancient extraction
- Gneissite Porphyry
- Limestone
- Skarnization
- Argillic Alteration
- Crushed Zircon
- Mineralization (Green Cu, Co, Bi, Pb)
- Stake and dip (joint & fracture)
- Surveying point
- Sample for chemical assay and collecting length sample (Actg length form)



SKETCHES OF TRENCH T-1 (2/6)

THE MINERAL EXPLORATION
IN
THE KICHI-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE I)

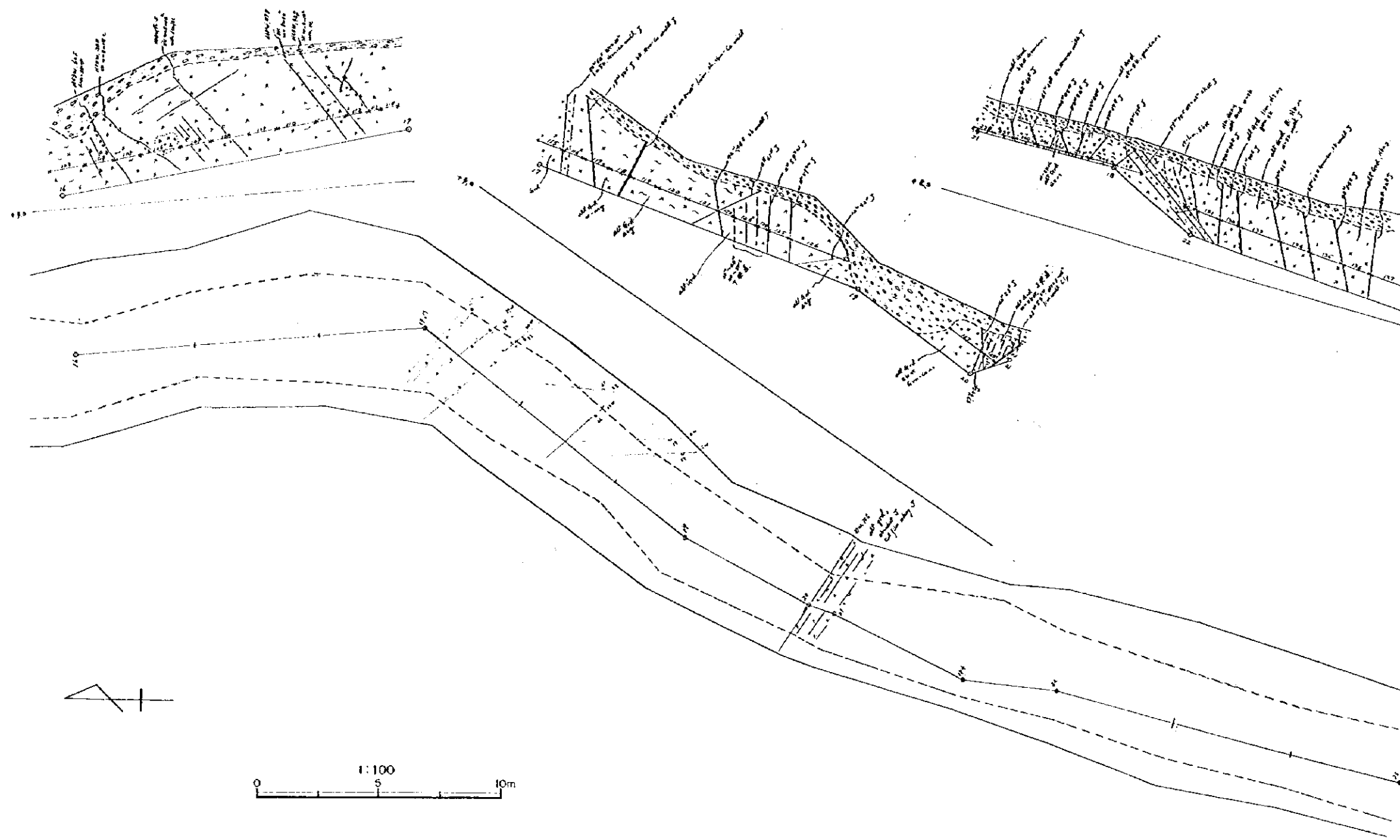
Details Sketches of Trenches in the Kichi-Sandyk Deposit (1:100)



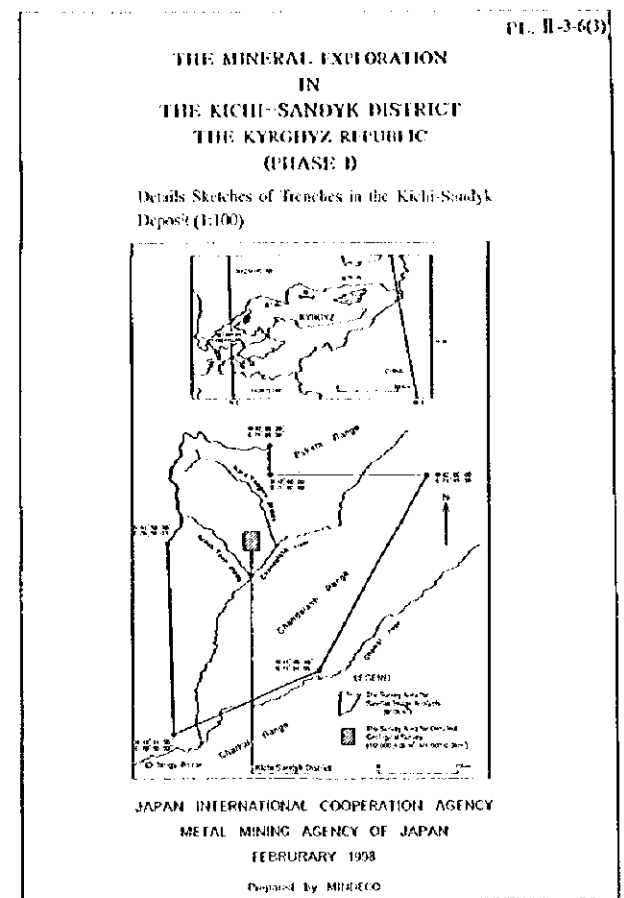
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by MIMETCO

LEGEND

- Soil, sand, ancient extraction
- Granodiorite Porphyry
- Limestone
- Skarnization
- Argillic Alteration
- Crashed Zone
- Mineralization (green Cu, Cp, Ba, Py)
- Strike and dip (point N fracture)
- Surveying point
- Sample for chemical assay and collecting length
- sample length (Aufg. 10)

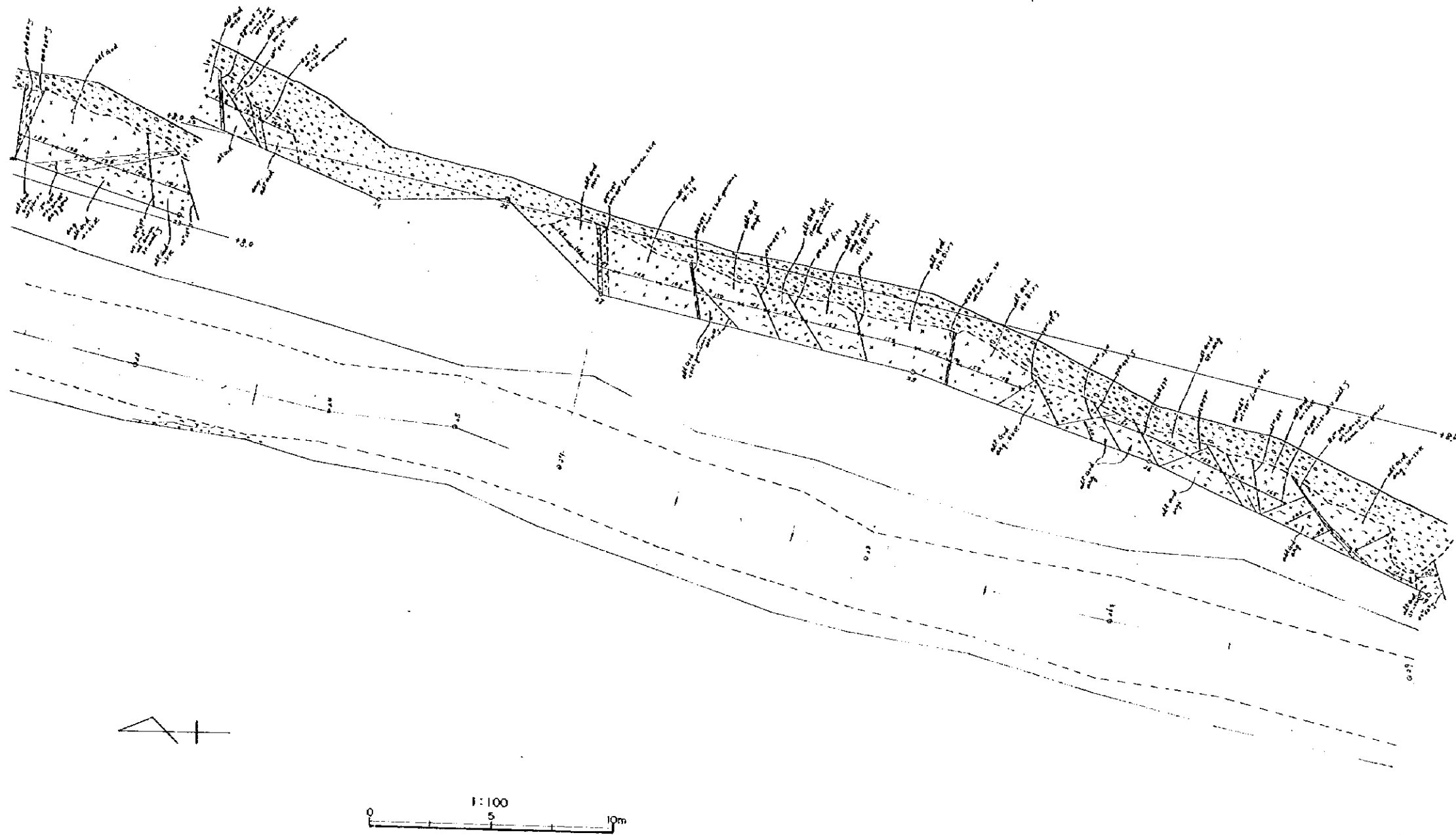


SKETCHES OF TRENCH T-1 (3/6)



LEGEND

- | | |
|--|---|
| | Soil, sand, gravel extraction |
| | Granodiorite Porphyry |
| | Limestone |
| | Skarnization |
| | Argillic Alteration |
| | Sulfidation |
| | Crustal Zone |
| | Mineralization
(green Cu, Co, Ni, Py) |
| | Strike and dip
(point & fracture) |
| | Surveying point |
| | Sample for chemical assay
and collecting length
(sample No. Aug/11 length 5m) |

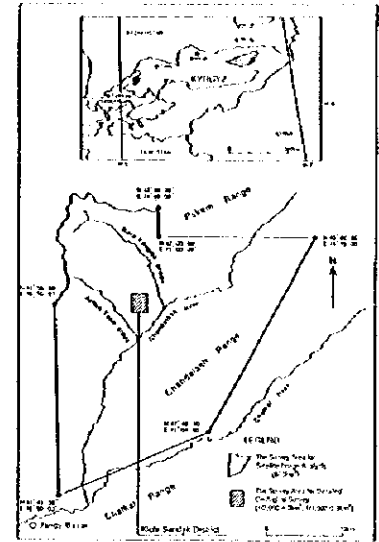


SKETCHES OF TRENCH T-1 (4/6)

Pl. II-3-6(4)

THE MINERAL EXPLORATION
IN
THE KICHI-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE D)

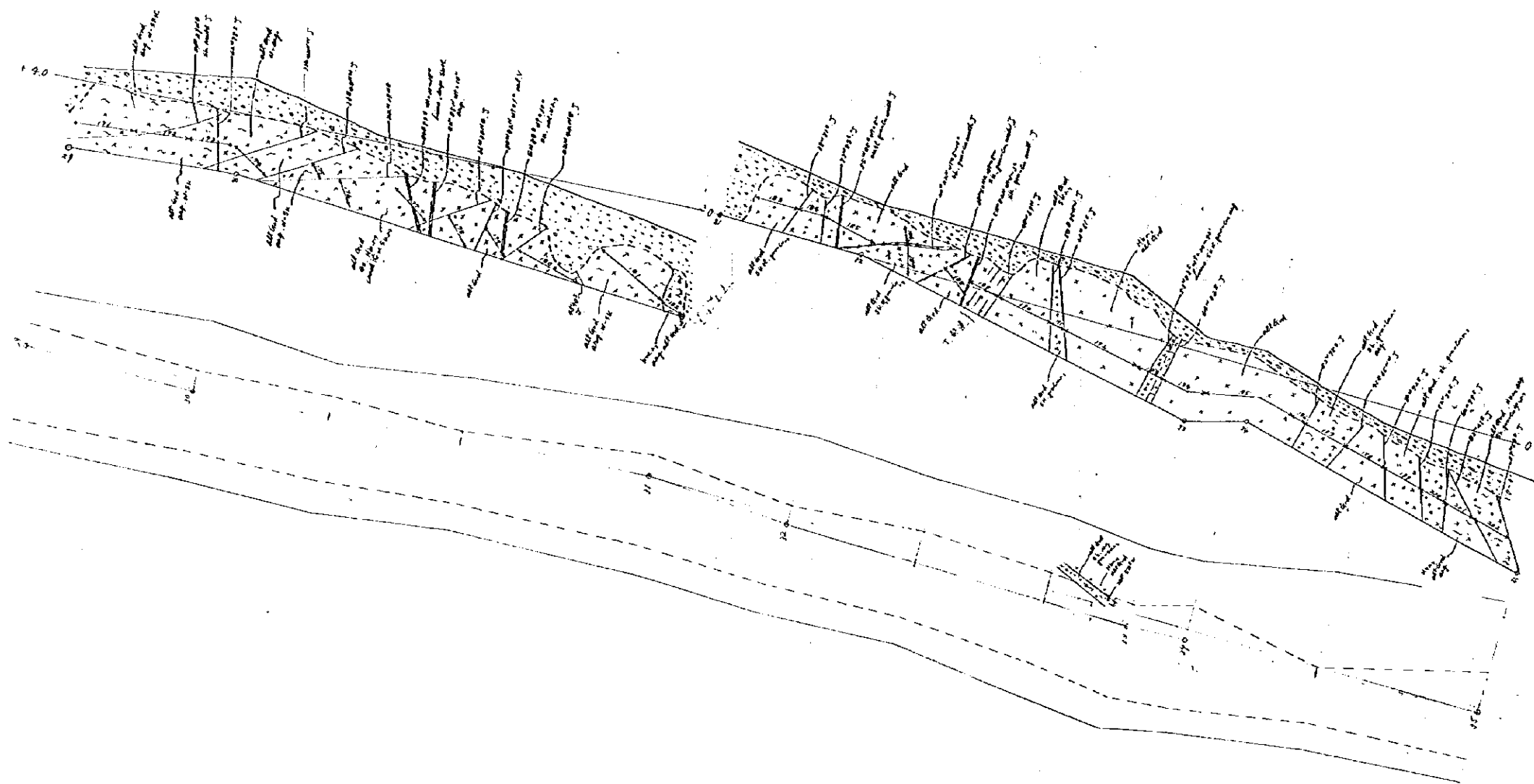
Details Sketches of Trenches in the Kichi-Sandyk
Deposit (1:100)



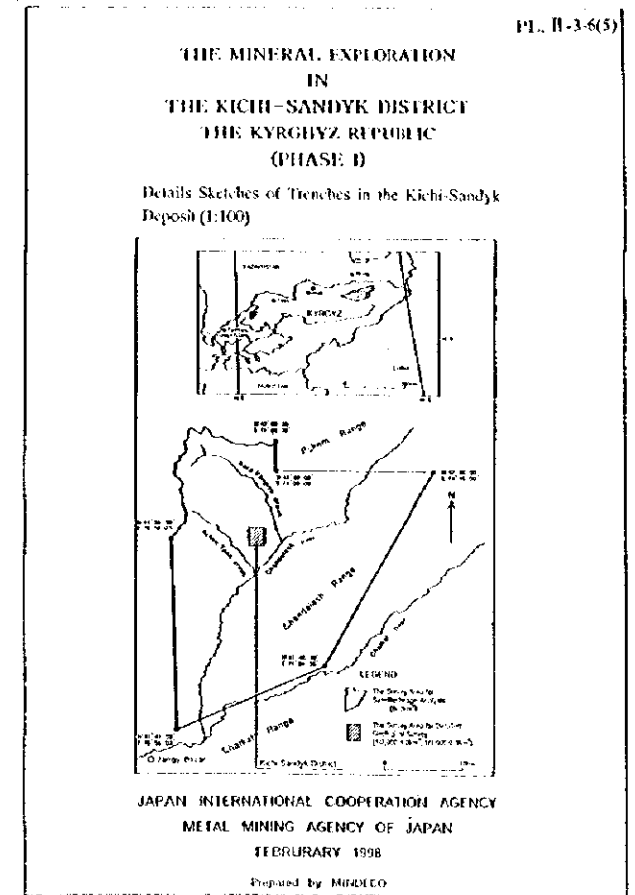
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1988
Prepared by MIMEXCO

LEGEND

- | | | | |
|--|--------------------------------|--|---|
| | Soil, sand, ancient extraction | | Crushed Zone |
| | Granodiorite Porphyry | | Mineralization
(green Cu, Cp, Bn, Py) |
| | Limestone | | Strike and dip
(joint & fracture) |
| | Skarnization | | Sample for chemical assay
and collecting length
sample No. (Aug 70 length in m) |
| | Argillic Alteration | | Surveying point |



SKETCHES OF TRENCH T-1 (5/6)



LEGEND

Soft, sand, ancient extraction

Granite Porphyry

Limestone

Skarnization

Crushed Zone

Argillic Alteration

Mineralization
(green Cu, Cp, Bn, Py)

Strike and dip
(point & fracture)

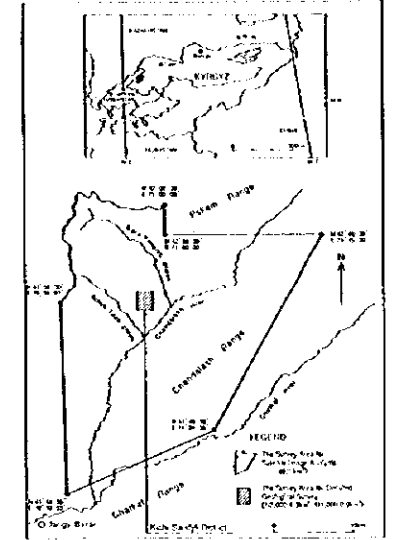
Sample for chemical assay
and collecting length
sample length

Surveying point

Sample for chemical assay
and collecting length
sample length

THE MINERAL EXPLORATION
IN
THE KICH-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE B)

Details Sketches of Trenches in the Kich-Sandyk Deposit (1:100)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1968

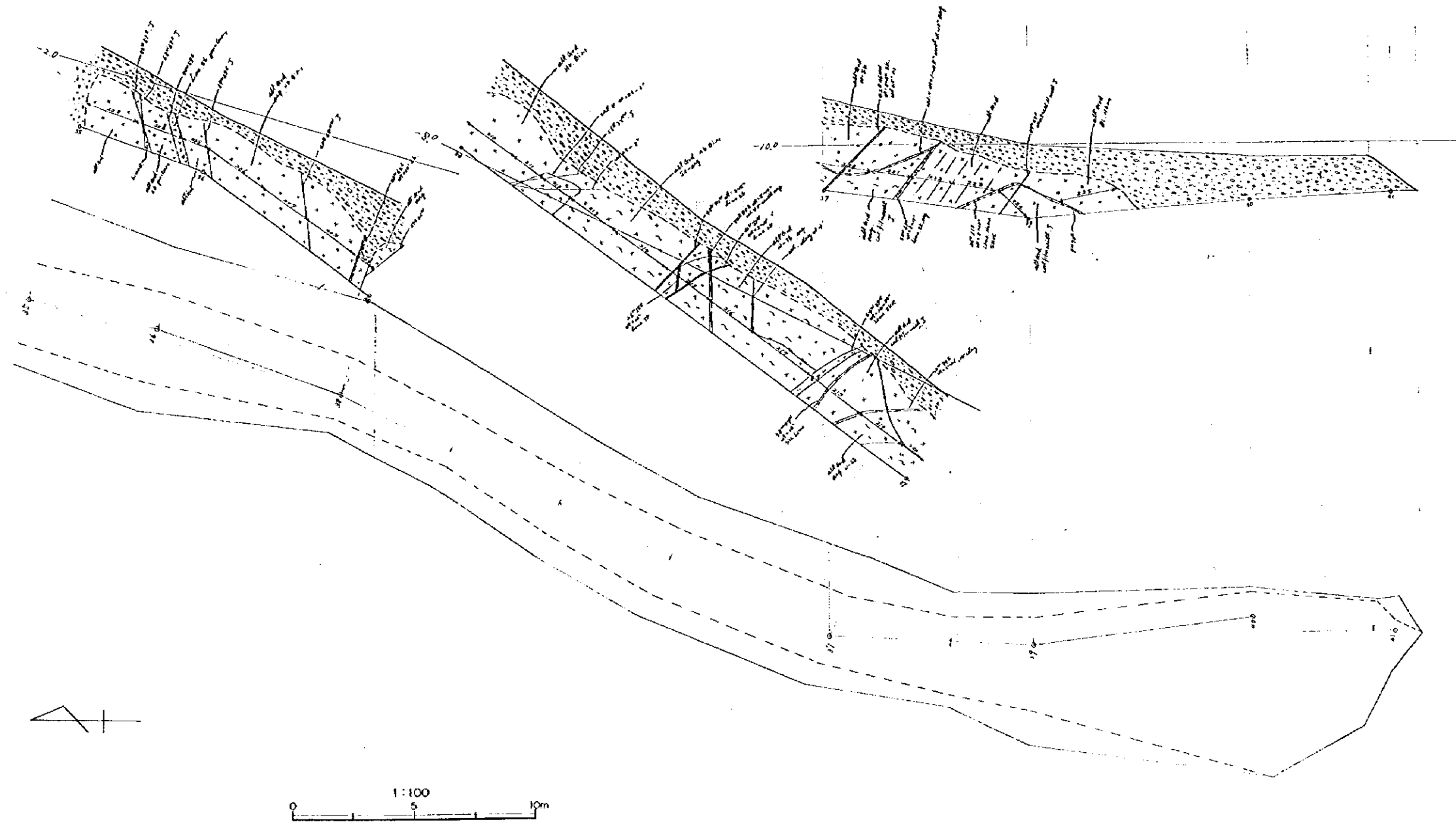
Prepared by MIRRECO

LEGEND

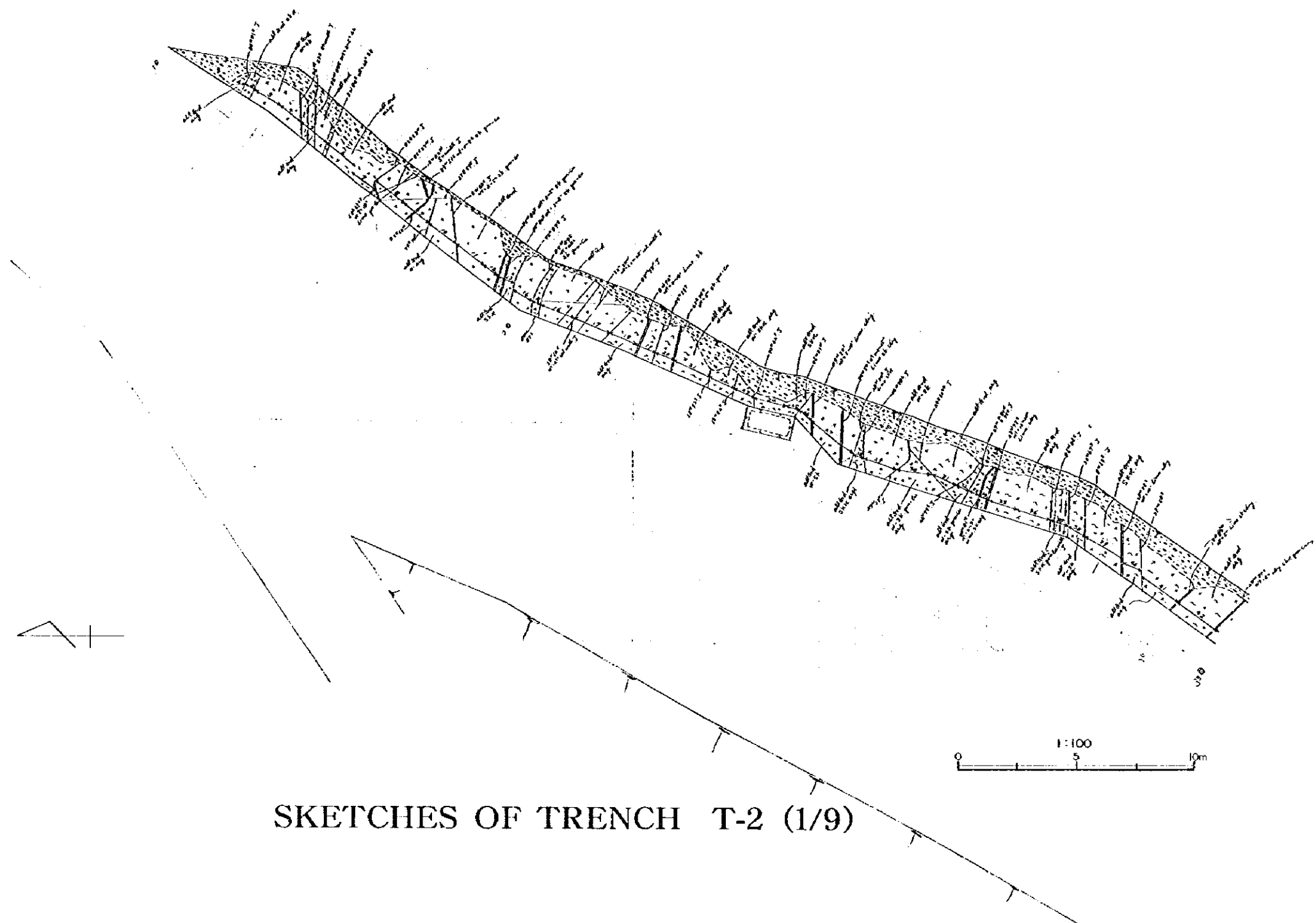
- Soil, sand, gravel extraction
- Garnetite Porphyry
- Limestone

- Skarnization
- Crushed Zone
- Argillic Alteration
- Mineralization (green Cu, Co, Bi, Py)

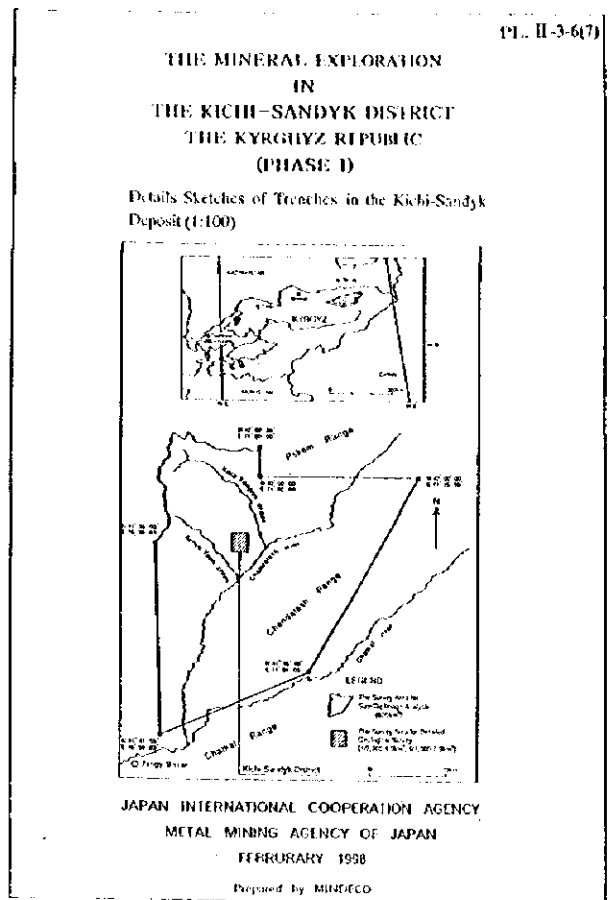
- Strike and dip (joint & fracture)
- Sample for chemical assay and collecting length
- Surveying point



SKETCHES OF TRENCH T-1 (6/6)

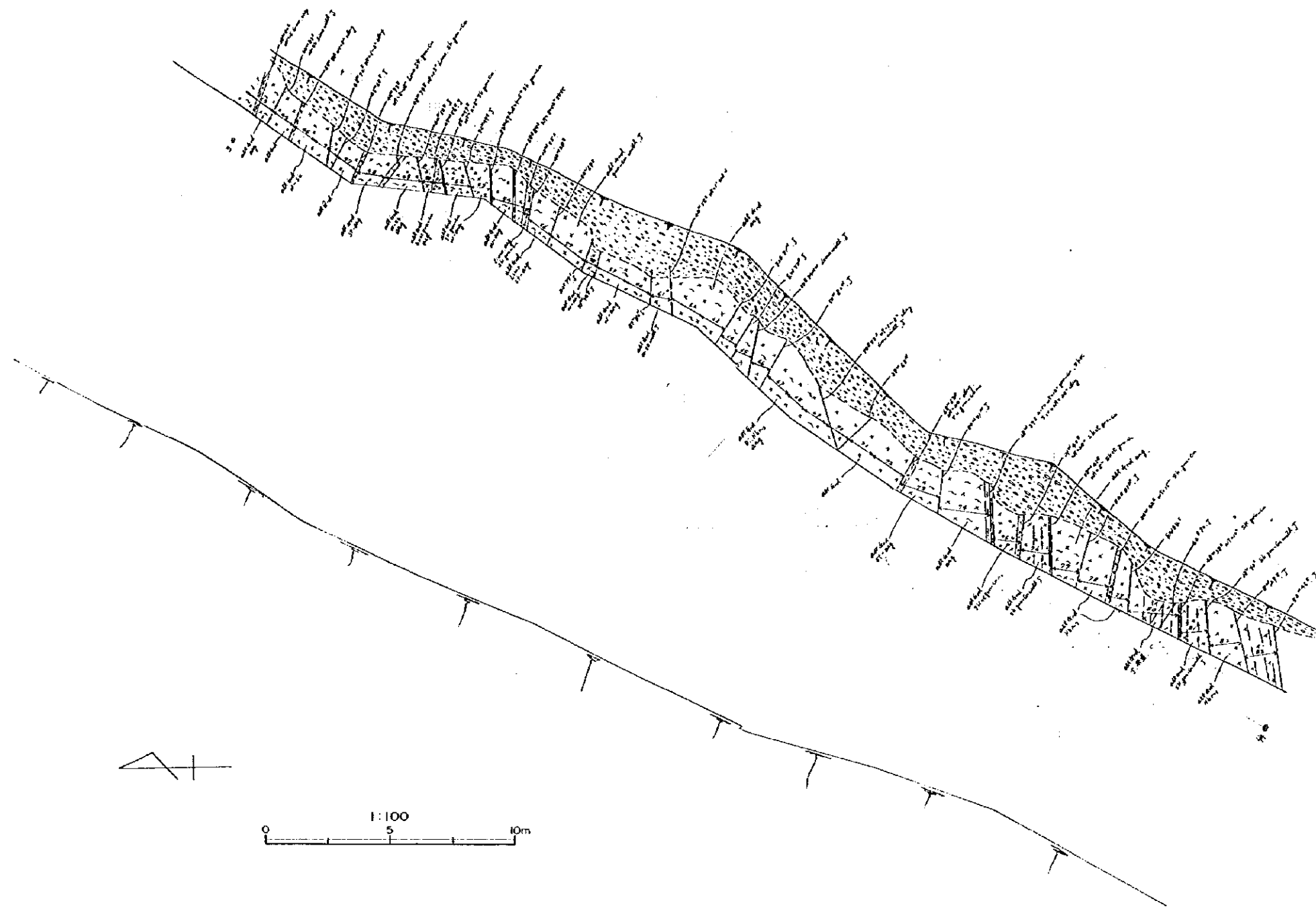


SKETCHES OF TRENCH T-2 (1/9)



LEGEND

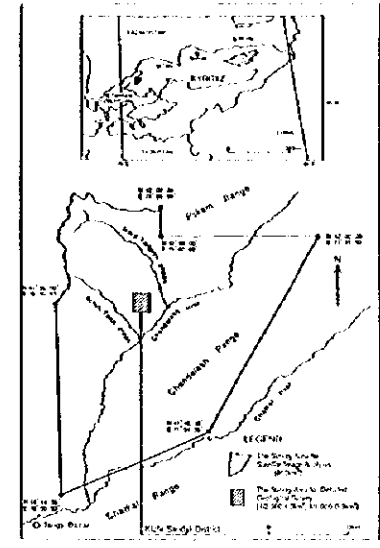
- Soil, sand, ancient extraction
- Grandiorite Porphyry
- Limestone
- Skarnization
- Argillic Alteration
- Oxidized Zone
- Mineralization (green Cu, Cp, Bn, Py)
- Strike and dip (point B fracture)
- Surveying point
- Sample for chemical assay and collecting length
- Sample for Au, Ag, Pt length/cm



SKETCHES OF TRENCH T-2 (2/9)

THE MINERAL EXPLORATION
IN
THE KICHI-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE I)

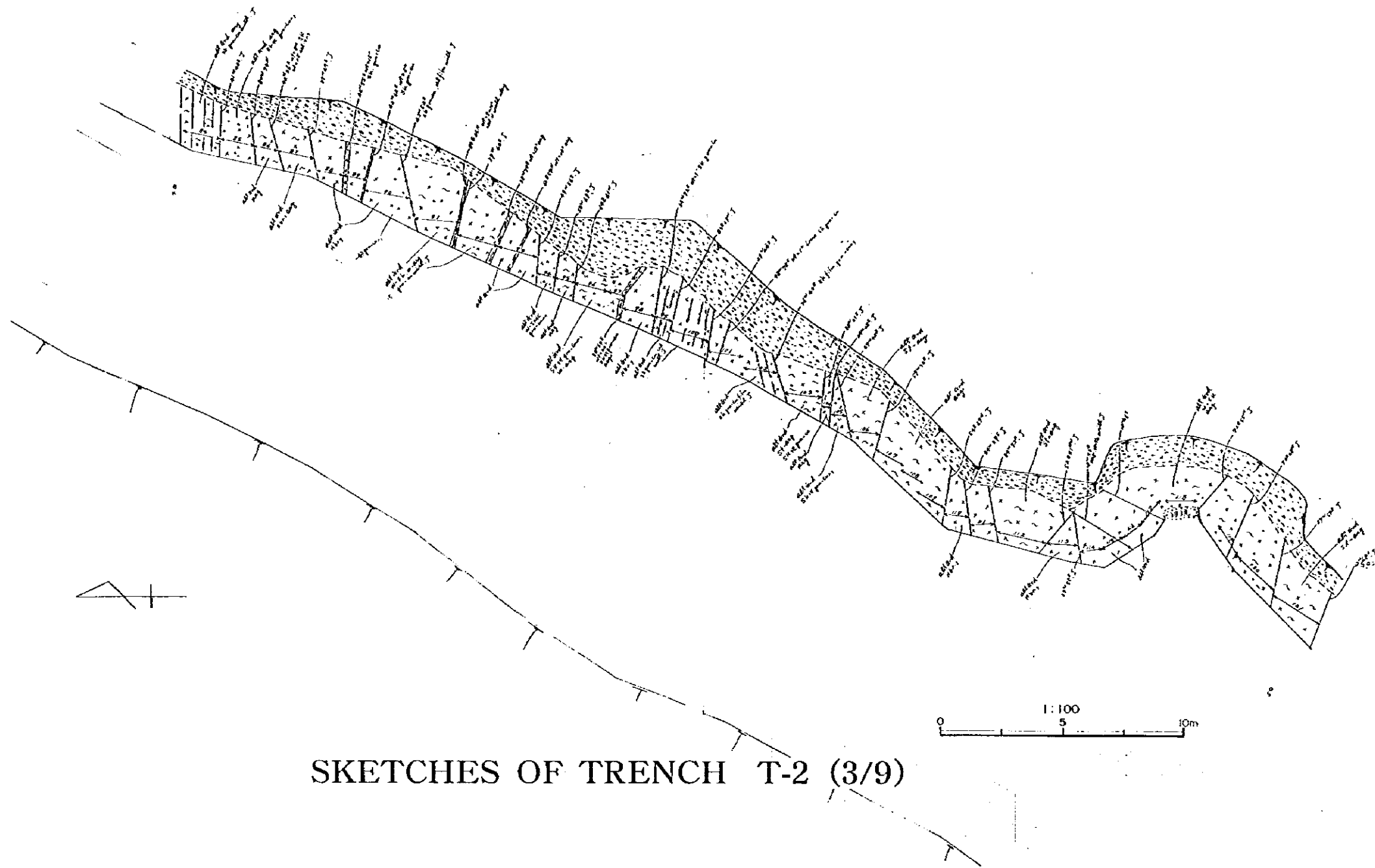
Details Sketches of Trenches in the Kichi-Sandyk
Deposit (1:100)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1988
Prepared by MIRCECO

LEGEND

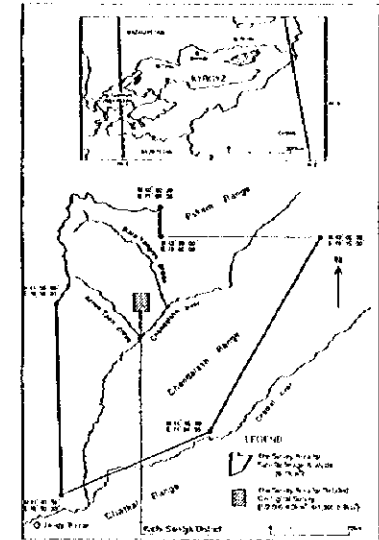
- | | | | |
|--|--|--|--|
| | Silt, sand, ore extraction | | Granodiorite Porphyry |
| | Limestone | | Skarnization |
| | Argillic Alteration | | Crashed Zone |
| | Mineralization
(Green Cu, Cp, Ba, Py) | | Stake and dip
(point B fracture) |
| | Surveying point | | Sample for chemical assay
and collecting length |
| | | | Sample for chemical assay
and collecting length |
| | | | Sample for chemical assay
and collecting length |



SKETCHES OF TRENCH T-2 (3/9)

THE MINERAL EXPLORATION
IN
THE KICHI-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE D)

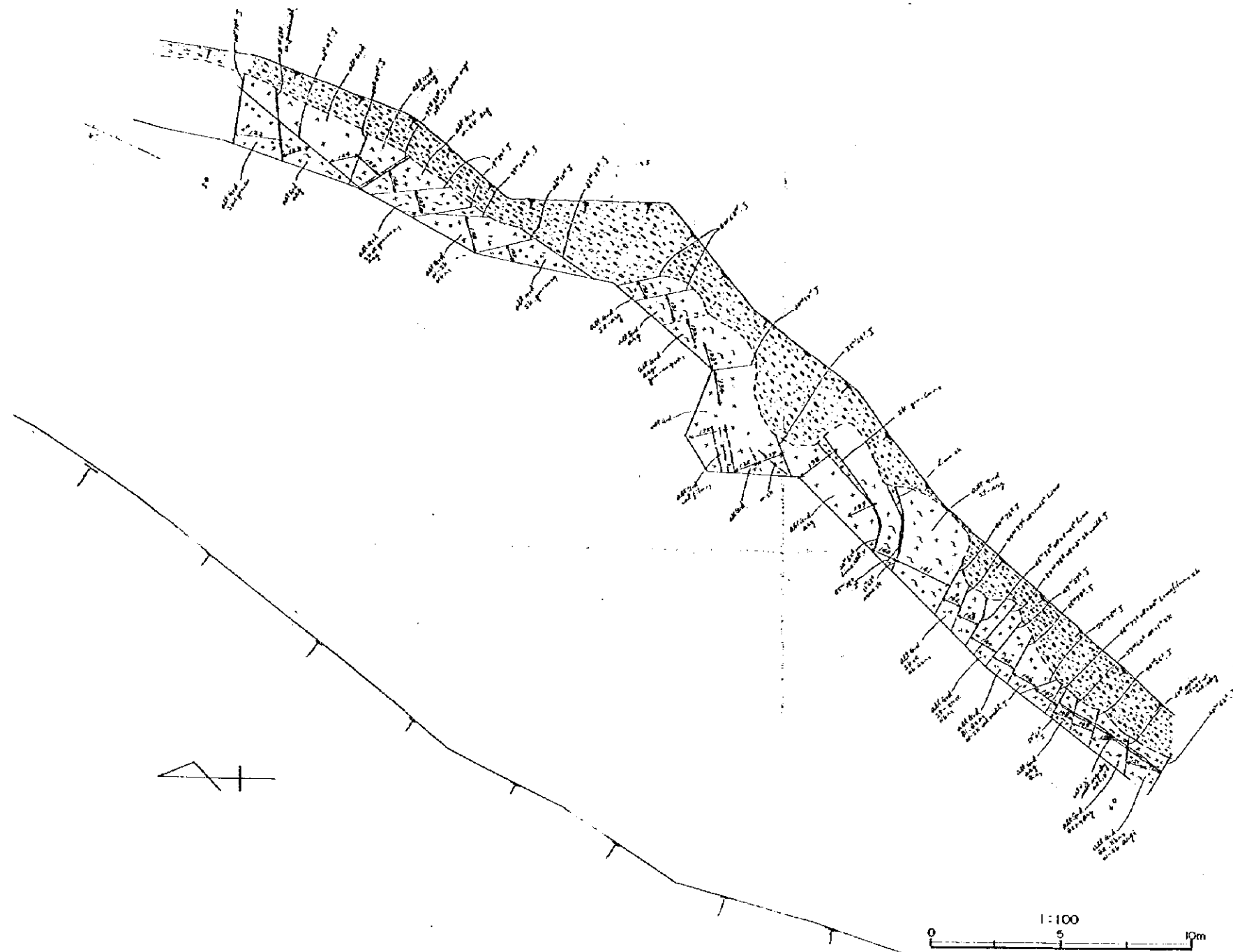
Details Sketches of Trenches in the Kichis-Sandyk
Deposit (1:100)



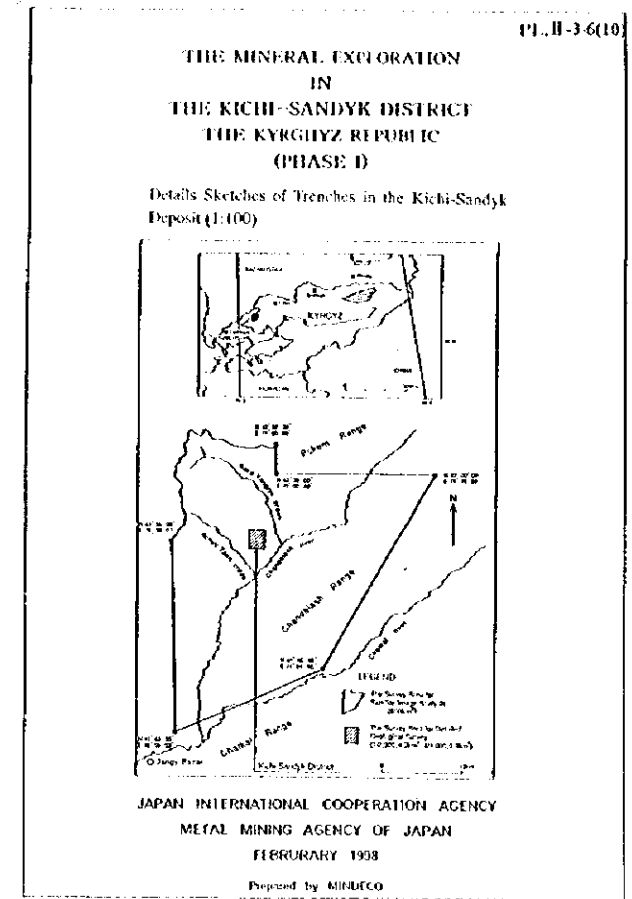
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by MIRAICO

LEGEND

- Soil, sand, ancient extraction
- Groundoxide Porphyry
- Limestone
- Skarization
- Crusted Zone
- Argillic Alteration
- Mineralization (green Cu, Ep, Bn, Py)
- Strike and dip (point & fracture)
- Sample for chemical assay and collecting length sample No. (length in m)
- Surveying point



SKETCHES OF TRENCH T-2 (4/9)



LEGEND

Soil, sand, ancient extraction

Granodiorite Porphyry

Limestone

Skarnization

Crusted Zone

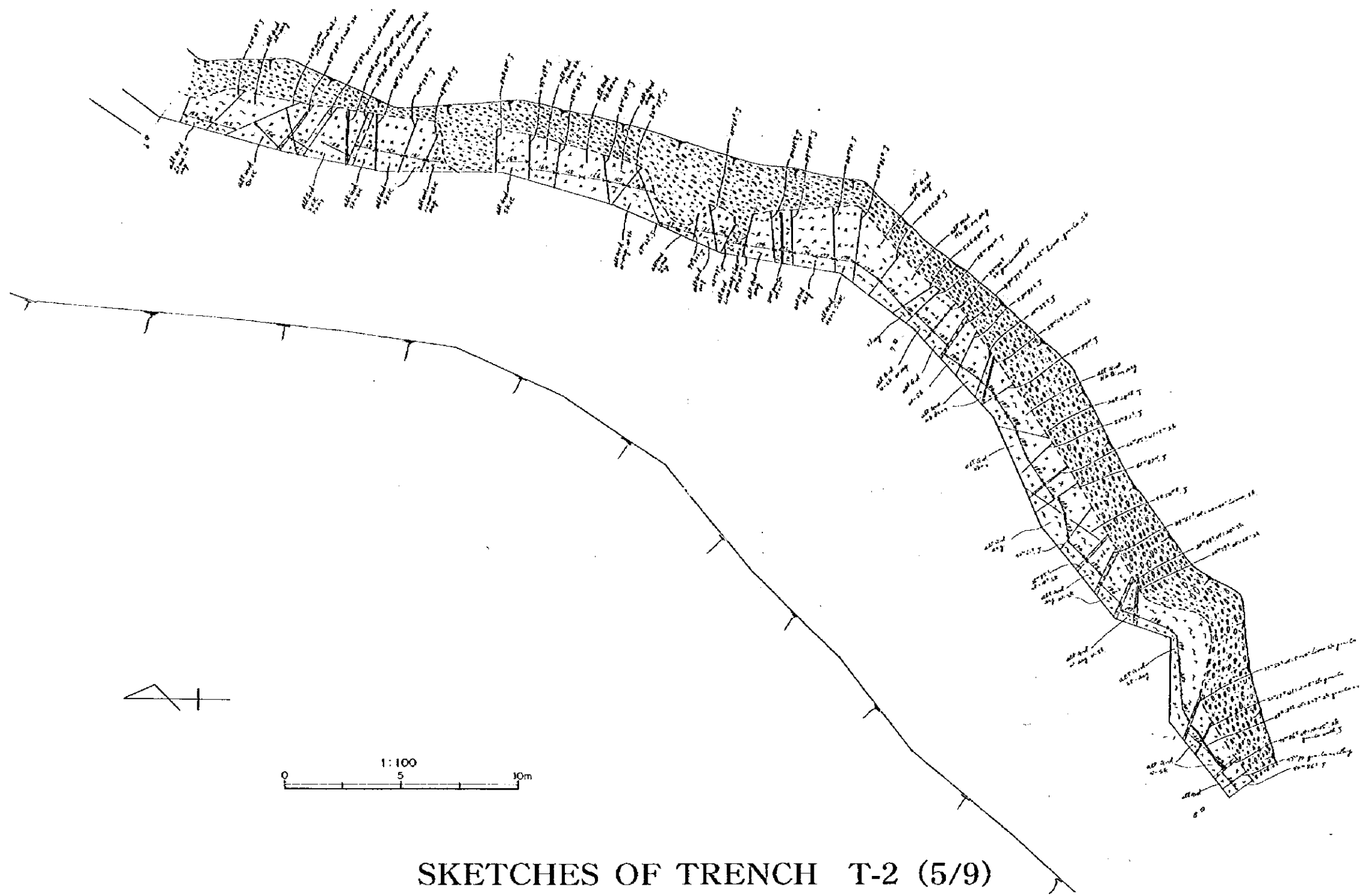
Argillic Alteration

Mineralization
(green Cu, Co, Bi, Pb, Fe)

Stake and dip
(joint & fracture)

Sample for chemical assay
and collecting length
sample No. Au(g)/length(m)

Surveying point

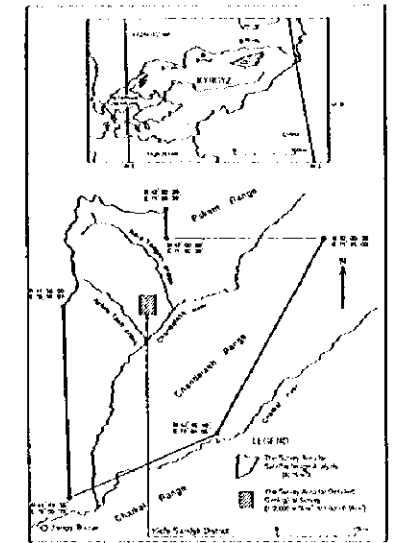


SKETCHES OF TRENCH T-2 (5/9)

PL. II-3-6(1)











THE MINERAL EXPLORATION
IN
THE KICH-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE I)

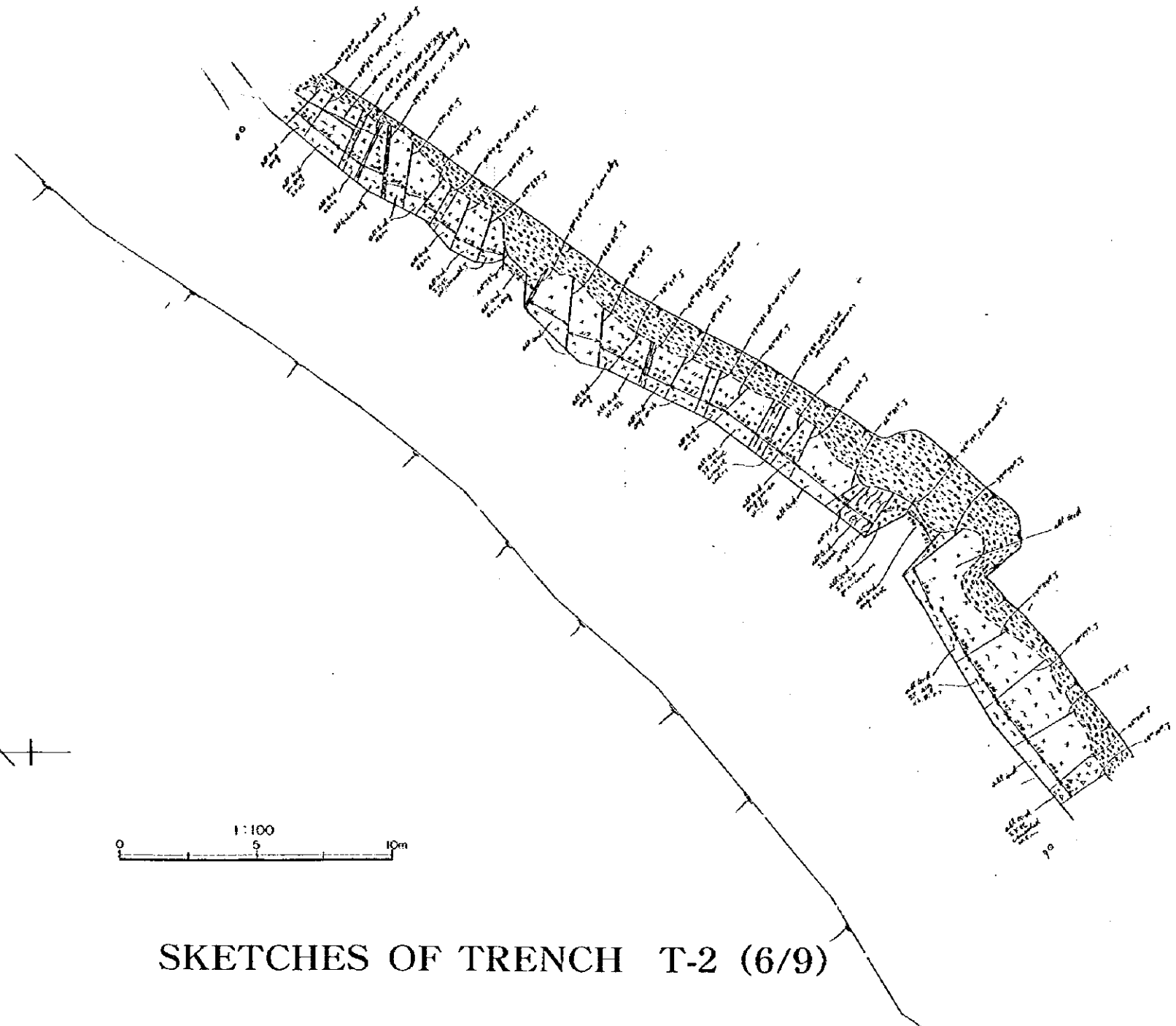
Details Sketches of Trenches in the Kich-Sandyk
Deposit (1:100)



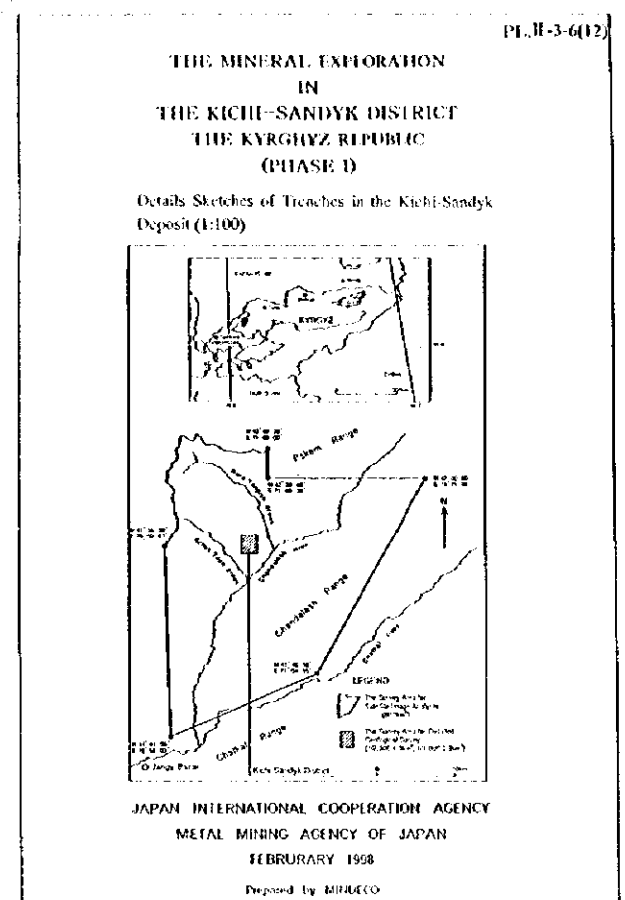
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by MINRECO

LEGEND

- | | | | |
|---|--------------------------------------|---|---|
|  | Soil, sand, ancient extraction |  | Granodiorite Porphyry |
|  | Limestone |  | Skarnization |
|  | Argillic Alteration |  | Cracks Zone |
|  | Strike and dip
(joint & fracture) |  | Mineralization
(Green Cu, Cp, Bn, Py) |
|  | Surveying point |  | Sample for chemical assay
and collecting length
samples Aufg. (length in m) |

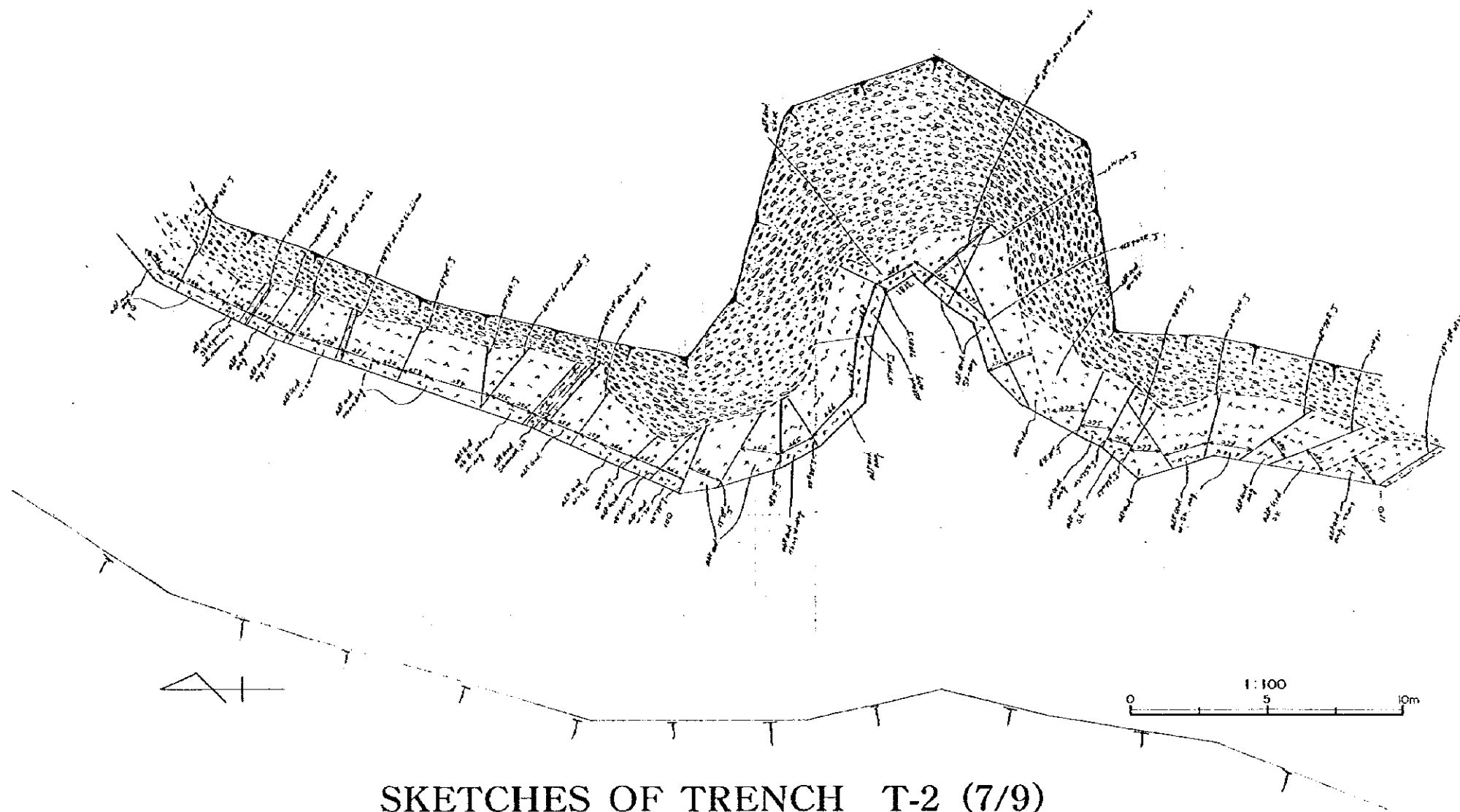


SKETCHES OF TRENCH T-2 (6/9)



LEGEND

	Soil, sand, ancient extraction		Granodiorite Porphyry
	Limestone		Skorization
	Crushed Zinc		Argillic Alteration
	Mineralization (green Cu, Cp, Bn, Py)		Strike and dip (joint & fracture)
	Sample for chemical assay and collecting length sample No. (m/length ton)		Surveying point

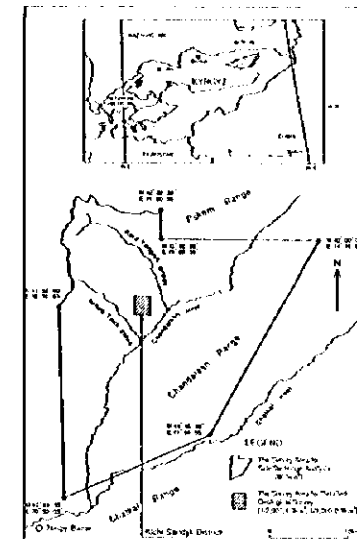


SKETCHES OF TRENCH T-2 (7/9)

PL-II-3-6013

THE MINERAL EXPLORATION
IN
THE KICH-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE I)

Details Sketches of Trenches in the Kich-Sandyk
Deposit (1:100)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1968

Prepared by MIRECO

LEGEND

Shif, sand, crushed extraction

Granodiorite Porphyry

Limestone

Skarnization

Crushed Zone

Argillic Alteration

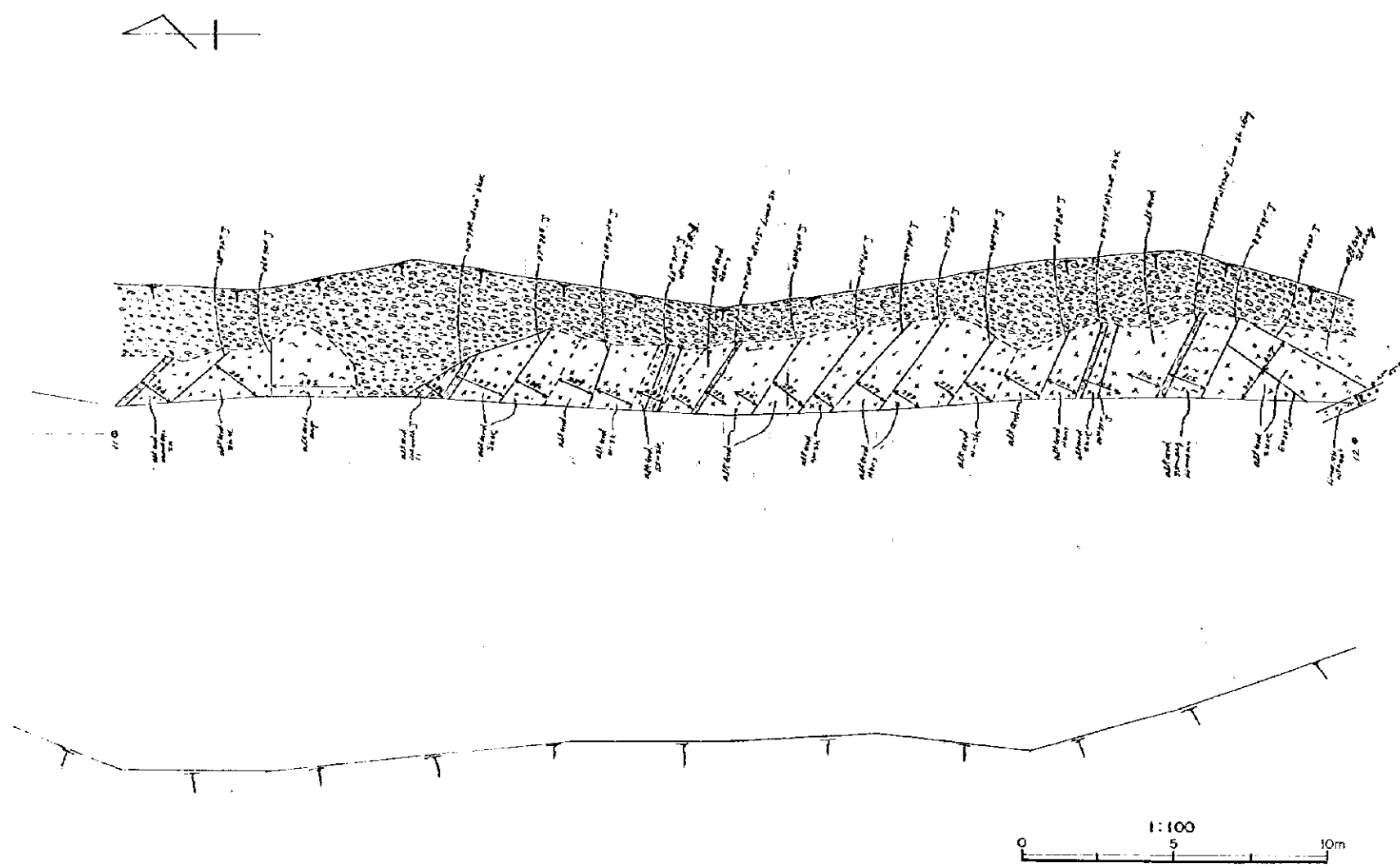
Mineralization
(Green Cu, Co, Pb, Py)

Strike and dip
(point & fracture)

Sample for chemical assay
and collecting length

Surveying point

Sample length (m)

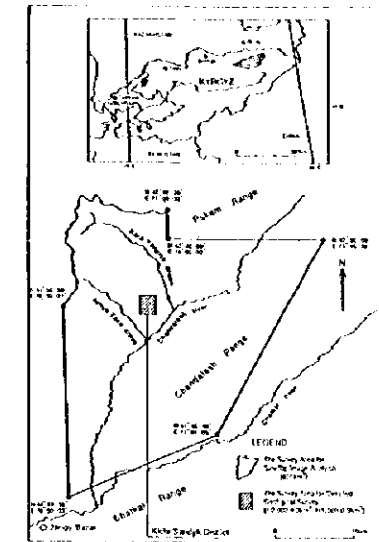


SKETCHES OF TRENCH T-2 (8/9)

PL. H-3-6(14)




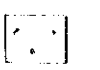
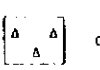


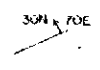
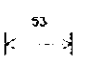
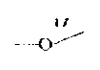
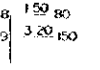
THE MINERAL EXPLORATION
IN
THE KICHI-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE D)

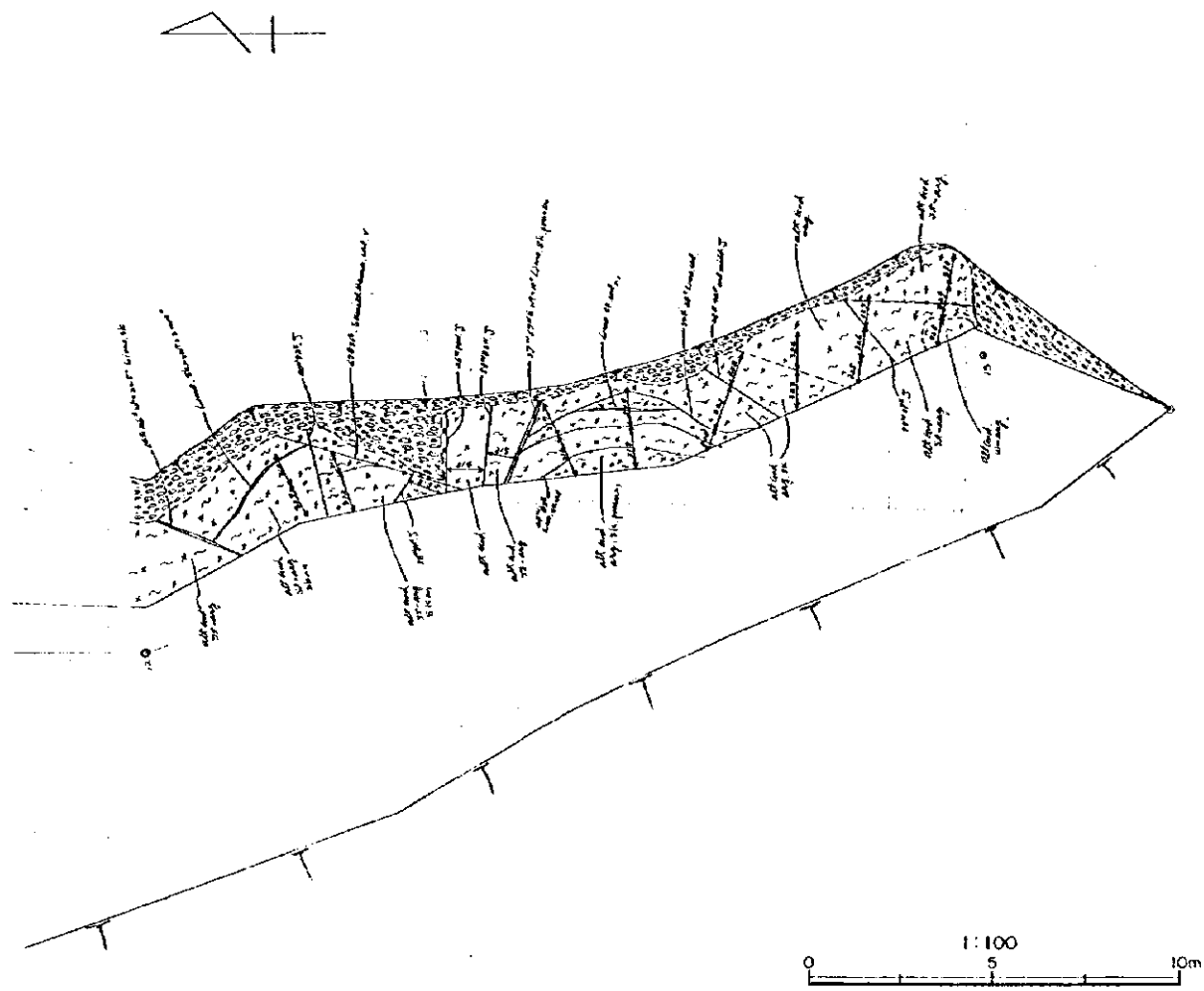
Details Sketches of Trenches in the Kichi-Sandyk
Deposit (1:100)



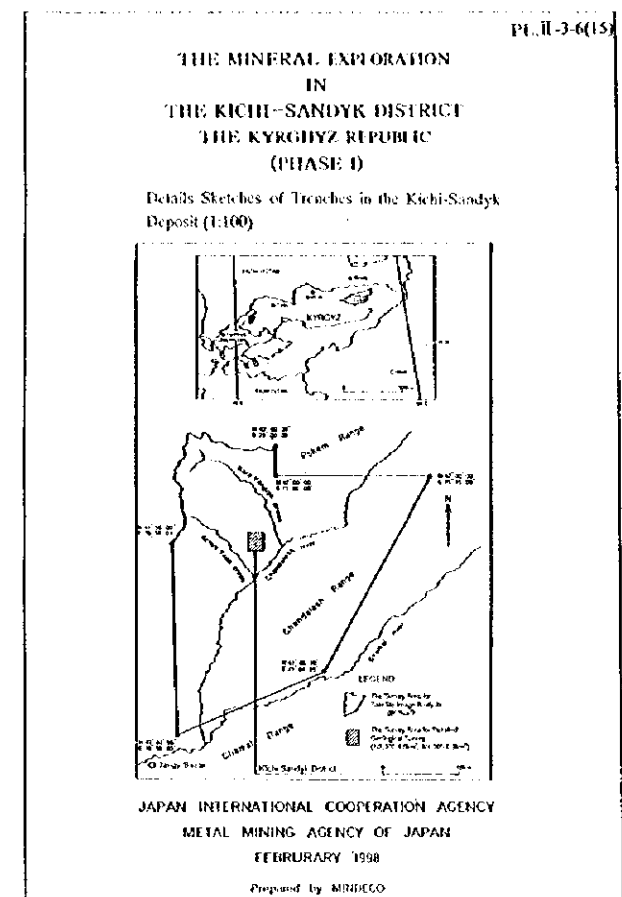
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by MIMHCO

LEGEND

-  Sill, sand, and/or extraction
-  Granodiorite Porphyry
-  Limestone
-  Skarnization
-  Crushed Zone
-  Argillic Alteration
-  Mineralization (green Cu, Co, Bi, Pb)
-  Stake and dip (joint & fracture)
-  Sample for chemical assay and collecting length
-  Surveying point
-  Sample for chemical assay and collecting length

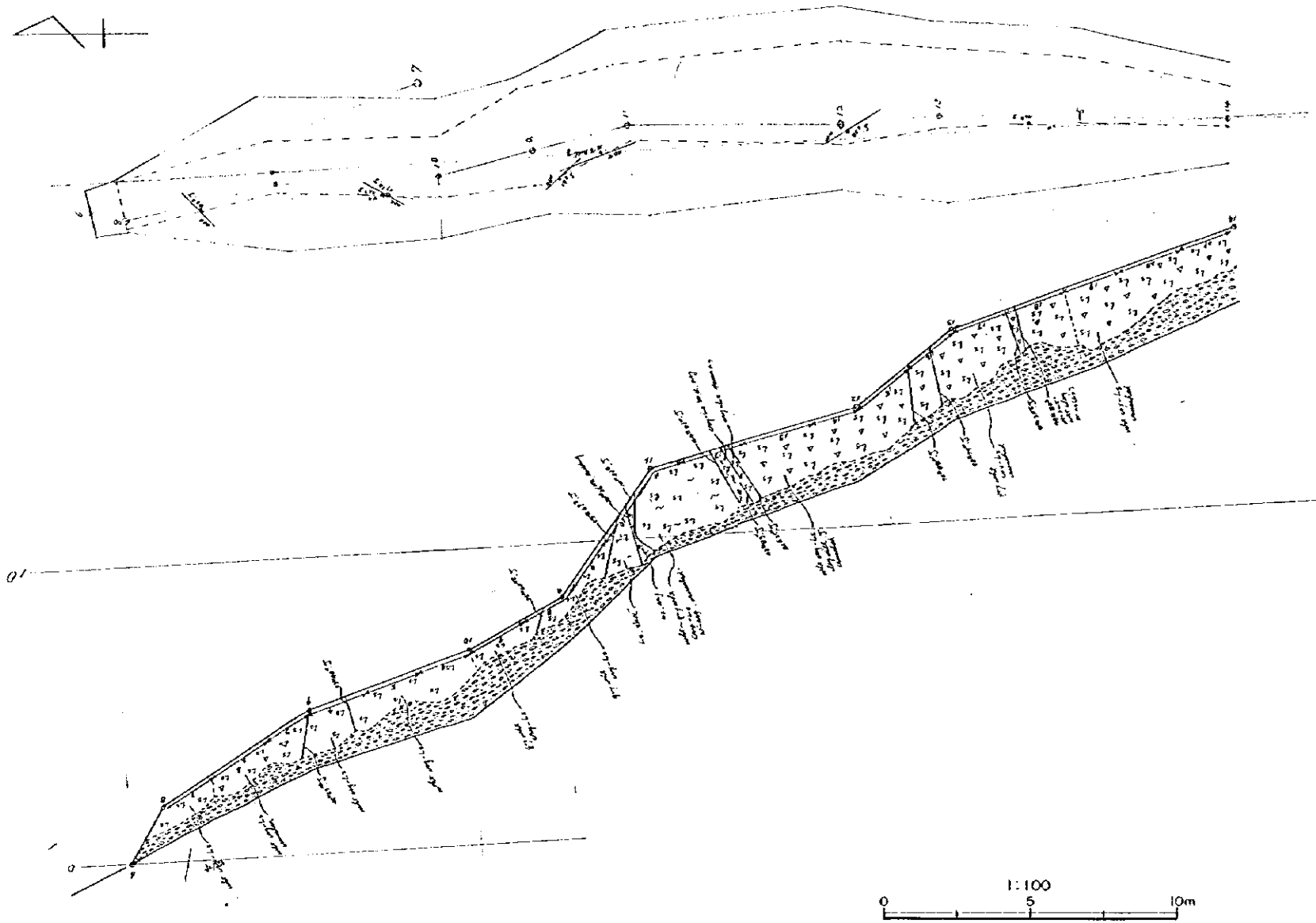


SKETCHES OF TRENCH T-2 (9/9)

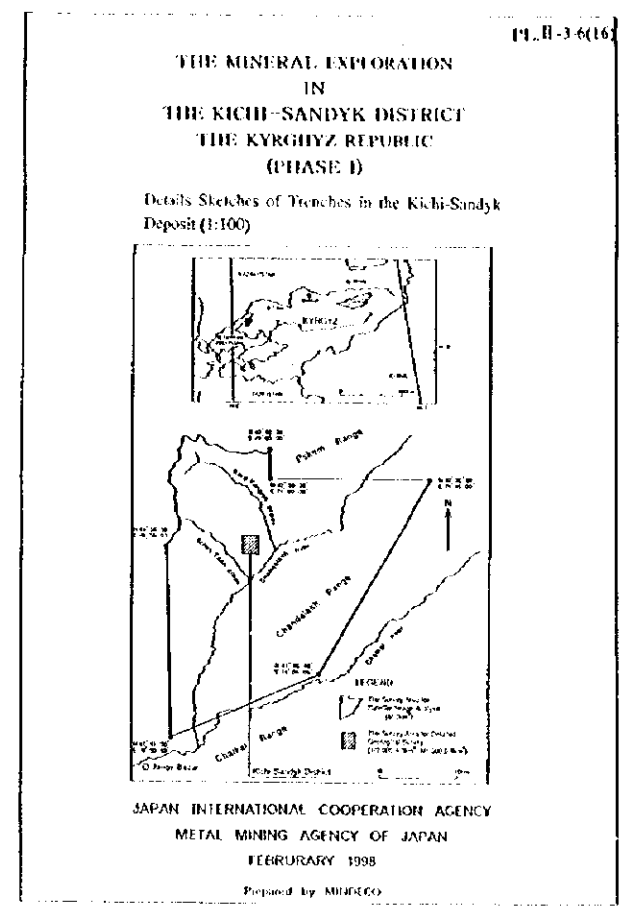


LEGEND

- | | |
|--|---|
| | Soil, sand, ancient extraction |
| | Granodiorite Porphyry |
| | Limestone |
| | Skarification |
| | Argillic Alteration |
| | Cracked Zone |
| | Mineralization
(green Cu, Cp, Bn, Fy) |
| | Stake and dip
(point & fracture) |
| | Surveying point |
| | Sample for chemical assay
and collecting length
sample(s) (m) |

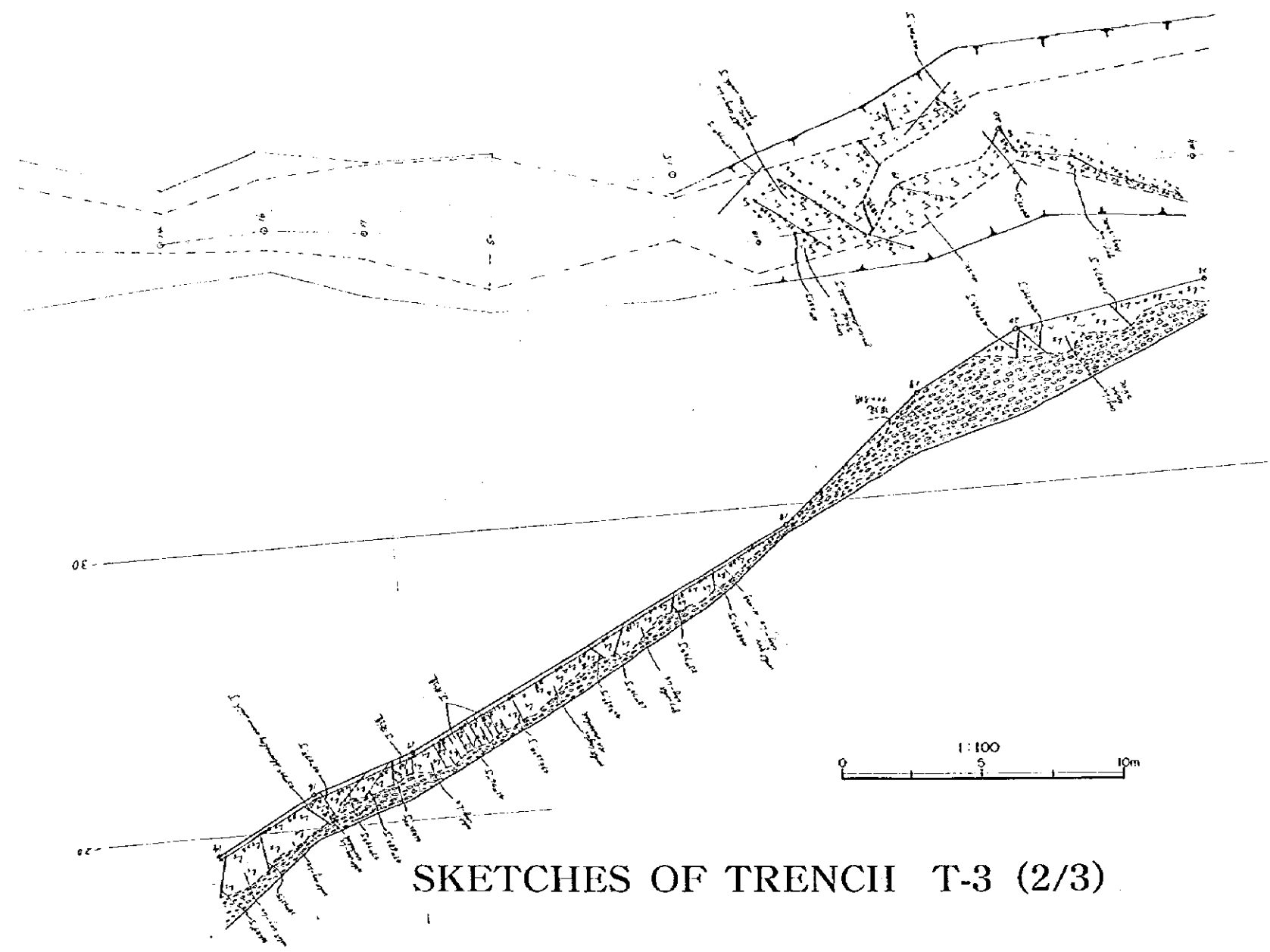
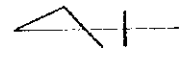


SKETCHES OF TRENCH T-3 (1/3)



LEGEND

- | | | | |
|--|------------------------------------|--|---|
| | Soil, sand, acid extraction | | Granodiorite Porphyry |
| | Limestone | | Skarnization |
| | Argillic Alteration | | Cracked Zone |
| | Skarnization | | Mineralization
(green Cu, Cp, Dn, Py) |
| | Strike and dip
Point B fracture | | Sample for chemical assay
and collecting length |
| | Surveying point | | Sample for chemical assay
and collecting length
completely (1/2 length) |

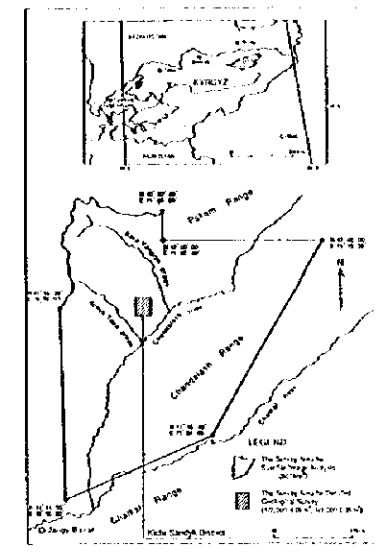


SKETCHES OF TRENCH T-3 (2/3)

pl. II-3-6(17)

THE MINERAL EXPLORATION
IN
THE KICH-SANDYK DISTRICT
THE KYRGHYZ REPUBLIC
(PHASE I)

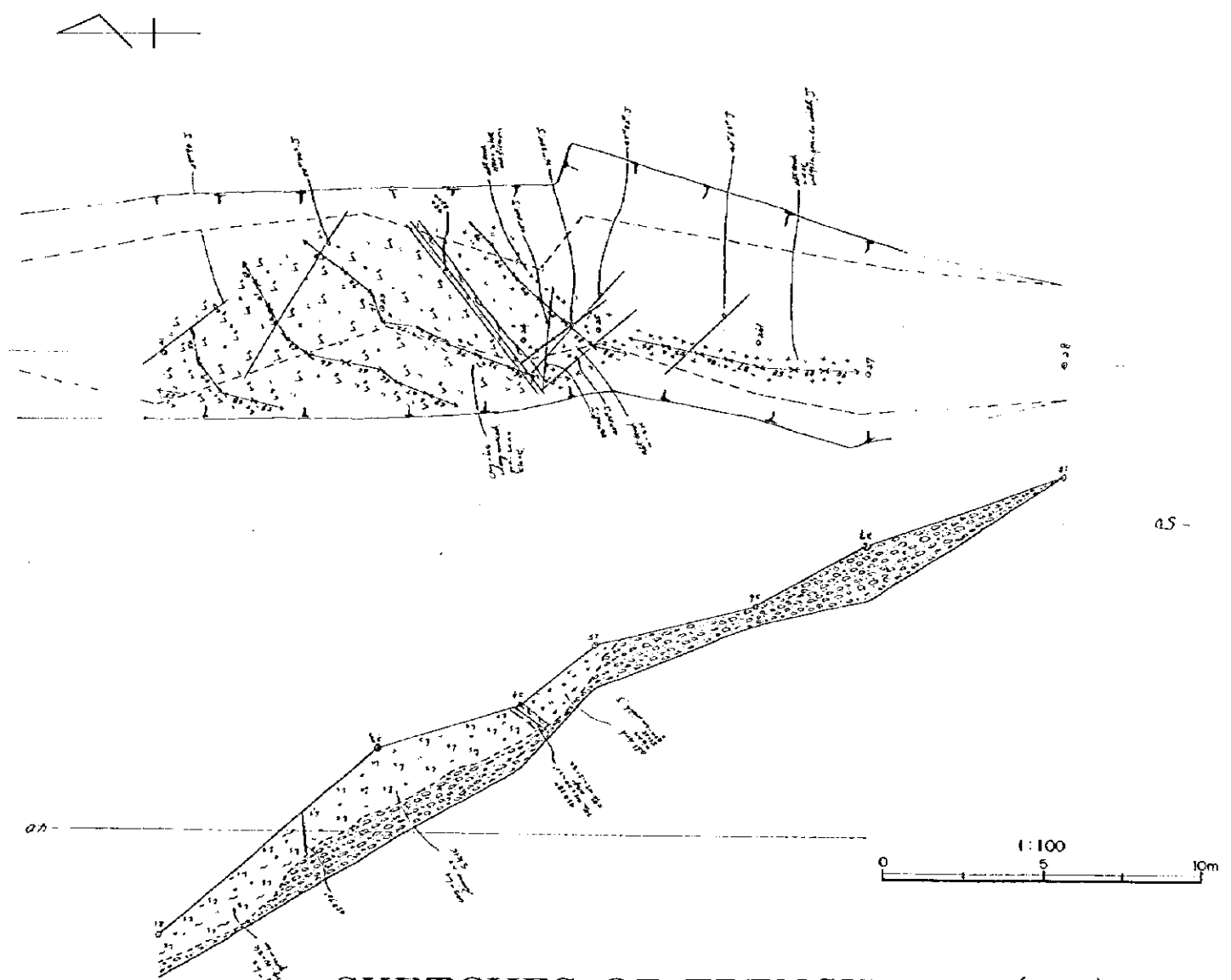
Details Sketches of Trenches in the Kichi-Sandyk
Deposit (1:100)



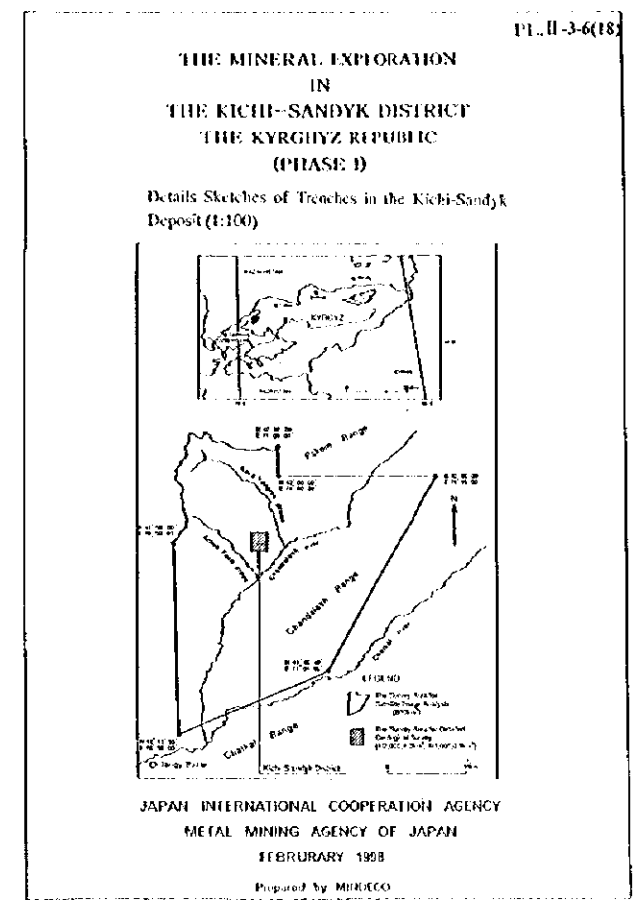
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
Prepared by MINRECO

LEGEND















- Soil, sand, ancient extraction
- Granitoid Porphyry
- Limestone
- Skarnization
- Argillite Alteration
- Crushed Zone
- Mineralization (green Cu, Cp, On, Py)
- Strike and dip (joint & fracture)
- Surveying point
- Sample for chemical assay and collecting length (sample length)

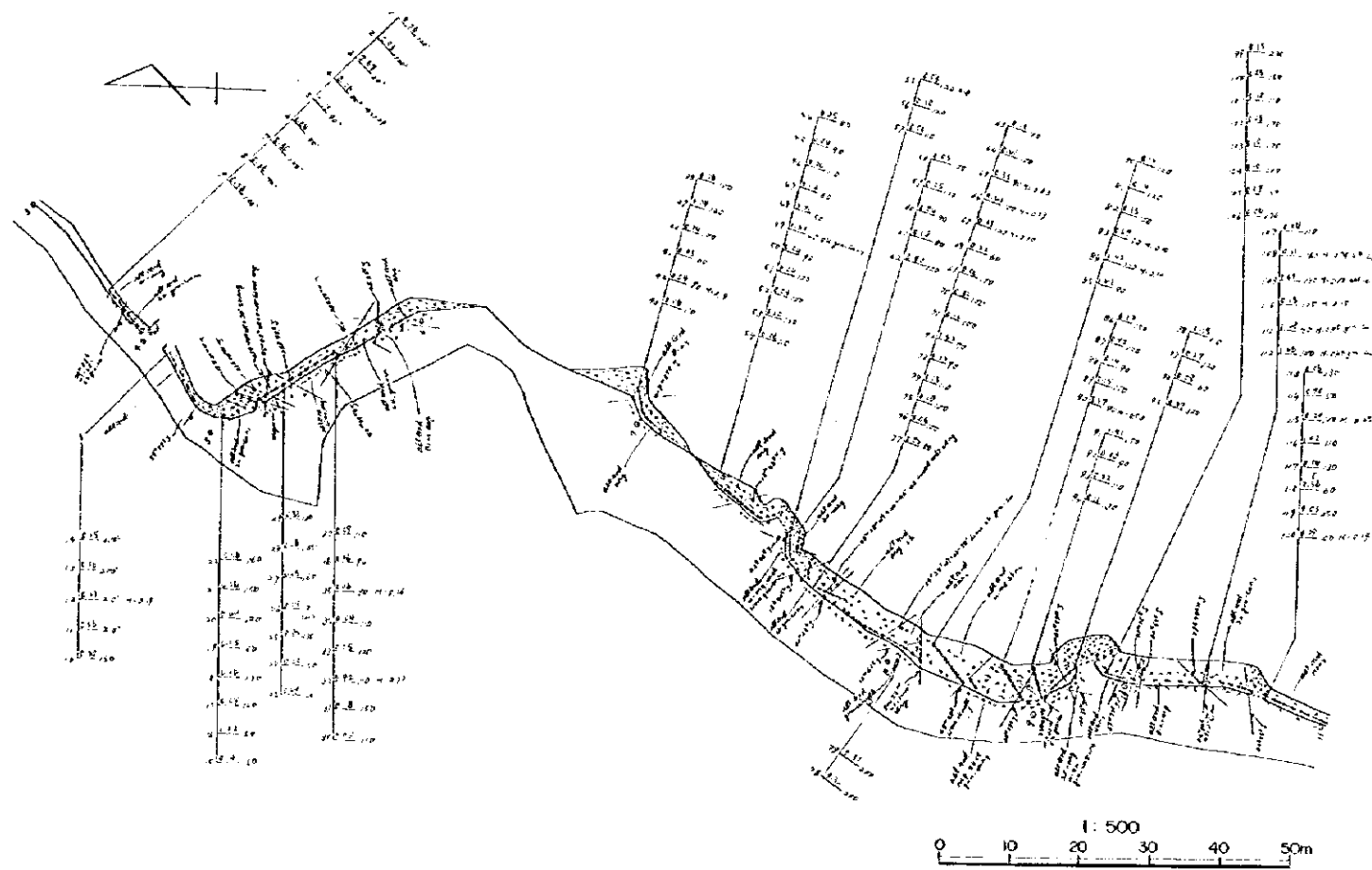


SKETCHES OF TRENCH T-3 (3/3)

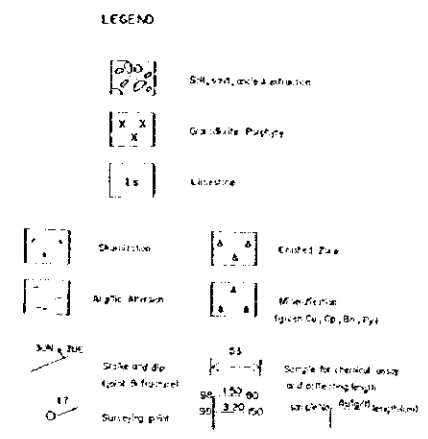
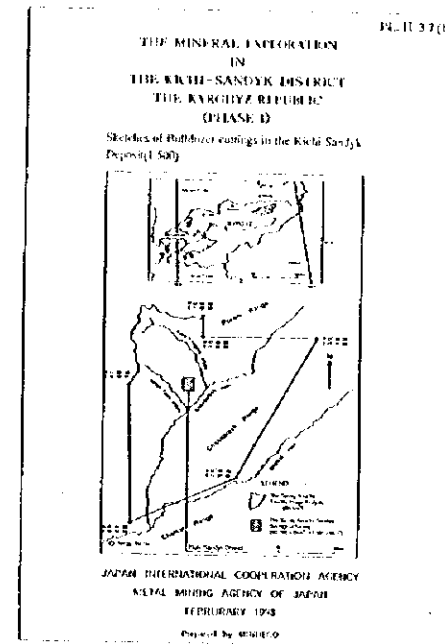


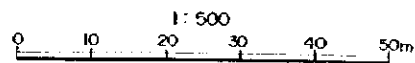
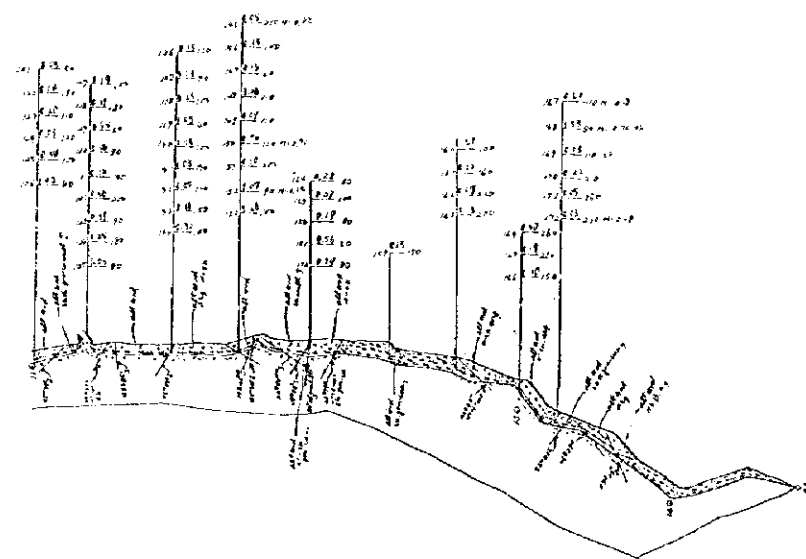
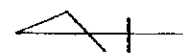
LEGEND

	Silica, quartzite, etc.		Granite Porphyry
	Limestone		Skambolun
	Gneiss		Quartzite
	Marble		Manganese (Green Cu, Pb, Zn, Py)
	Sample 100		Sample for chemical assay or radiological length
	Sample 200		Sample for radiological assay
	Skambolun		Skambolun

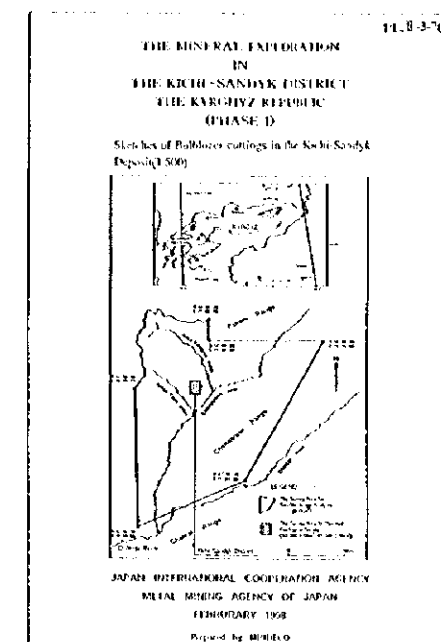


SKETCHES OF BULLDOZER CUTTING R-1(1/2)



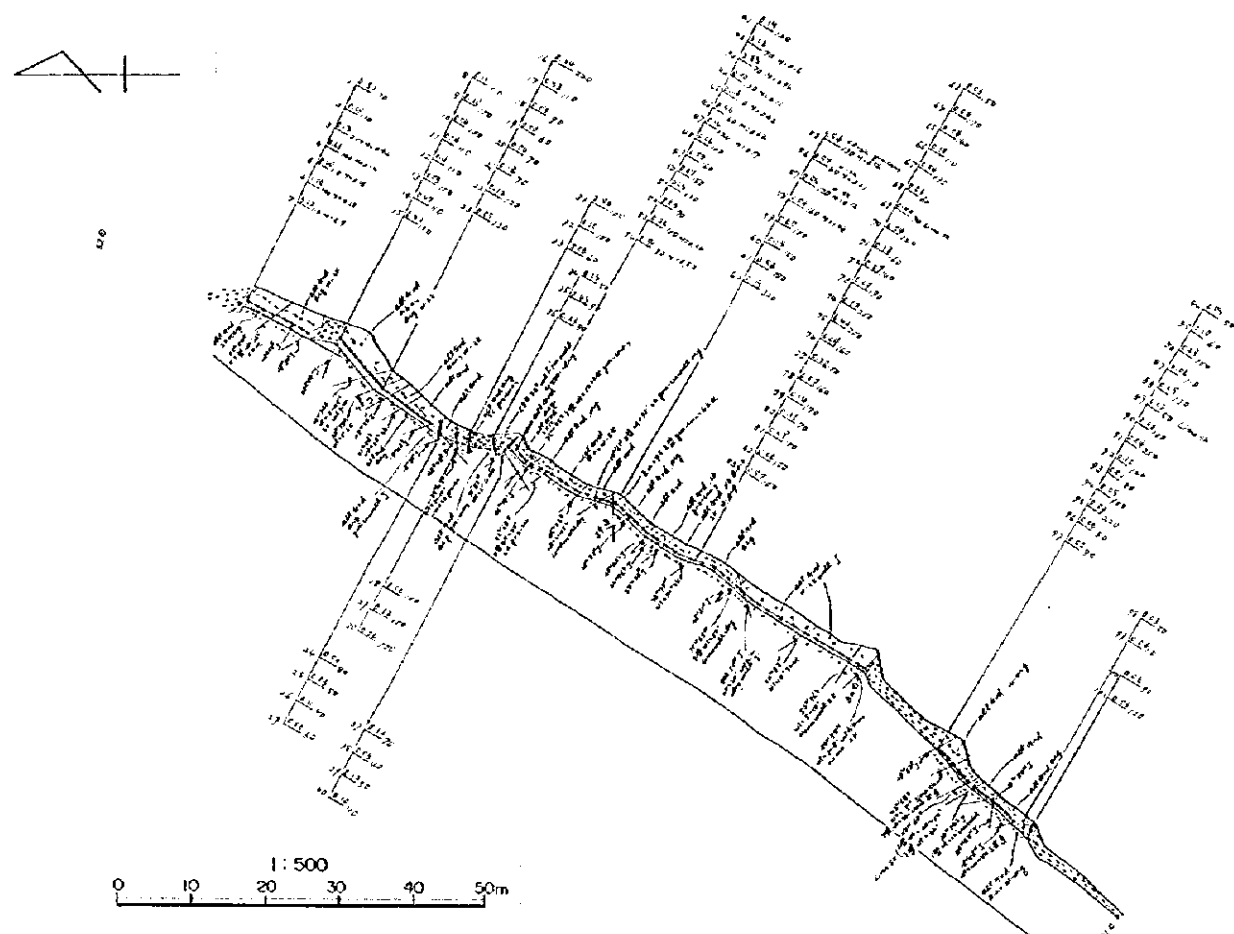


SKETCHES OF BULLDOZER CUTTING R-1(2/2)



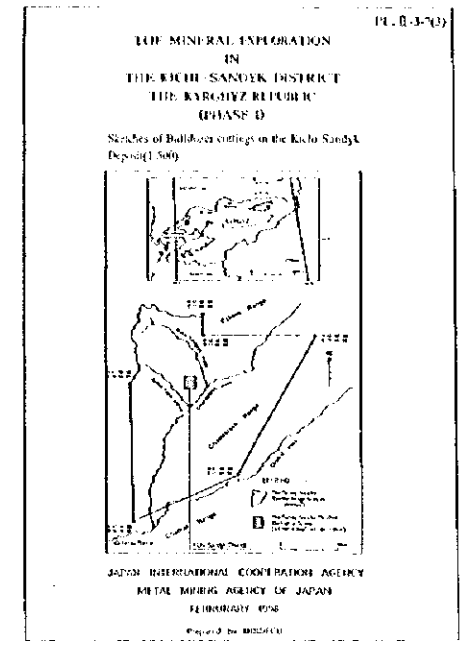
LEGEND

- | | |
|--|--|
| | S1, sand, upper extraction |
| | G1, G2, G3, G4, G5, G6, G7, G8, G9, G10 |
| | Ls |
| | Station |
| | Right station |
| | Grid 7 x 6 |
| | Mine/Factory
(Guan, Fu, Co., Br., Fy) |
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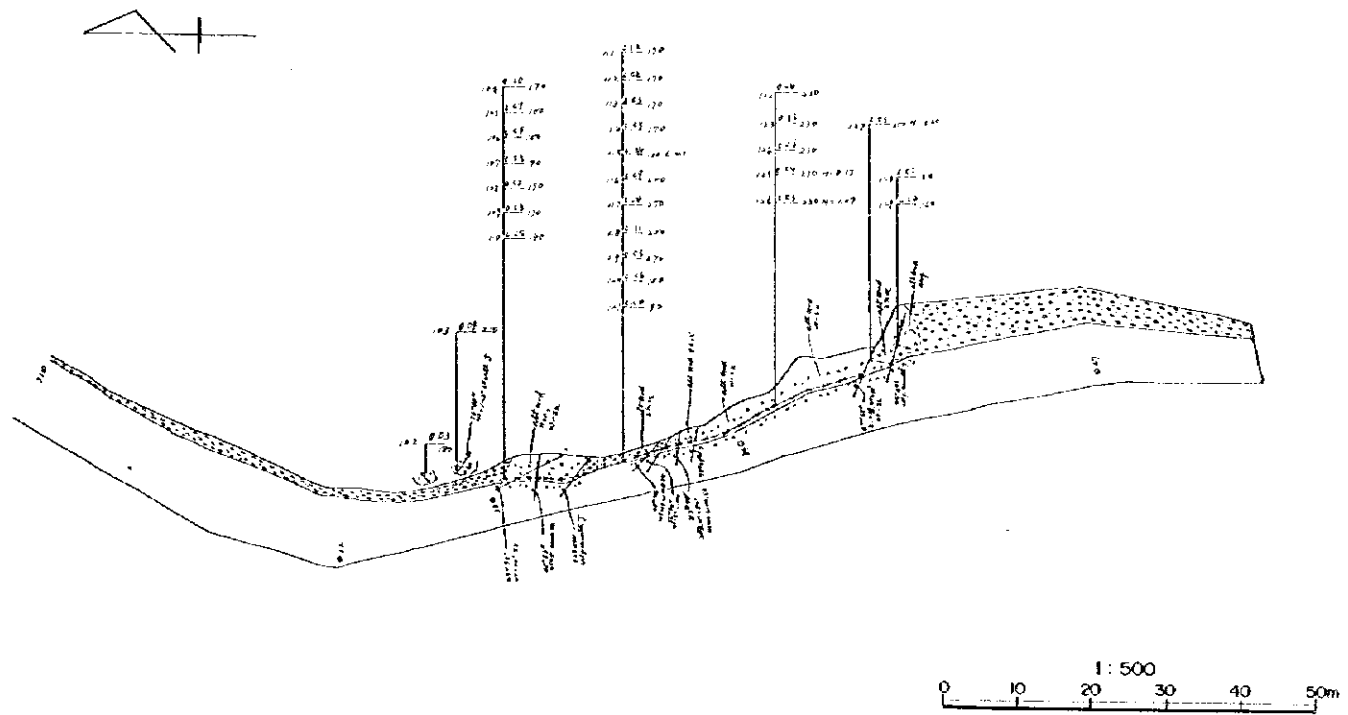
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SKETCHES OF BULLDOZER CUTTING R-2(1/2)

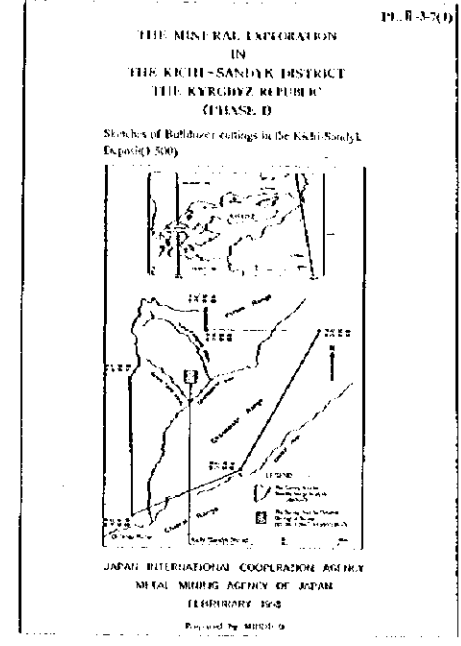


LEGEND

- SH, soil, some emission
- Gas shale (gas) py
- Ls Limestone
- Station
- Chalked Zone
- Argic horizon
- Mixed horizon (green Cu, Fe, Mn, Pb)
- Date of dig (type B) (hour)
- Sample for chemical analysis and isotopic analysis (sample) (depth)
- Surveying point

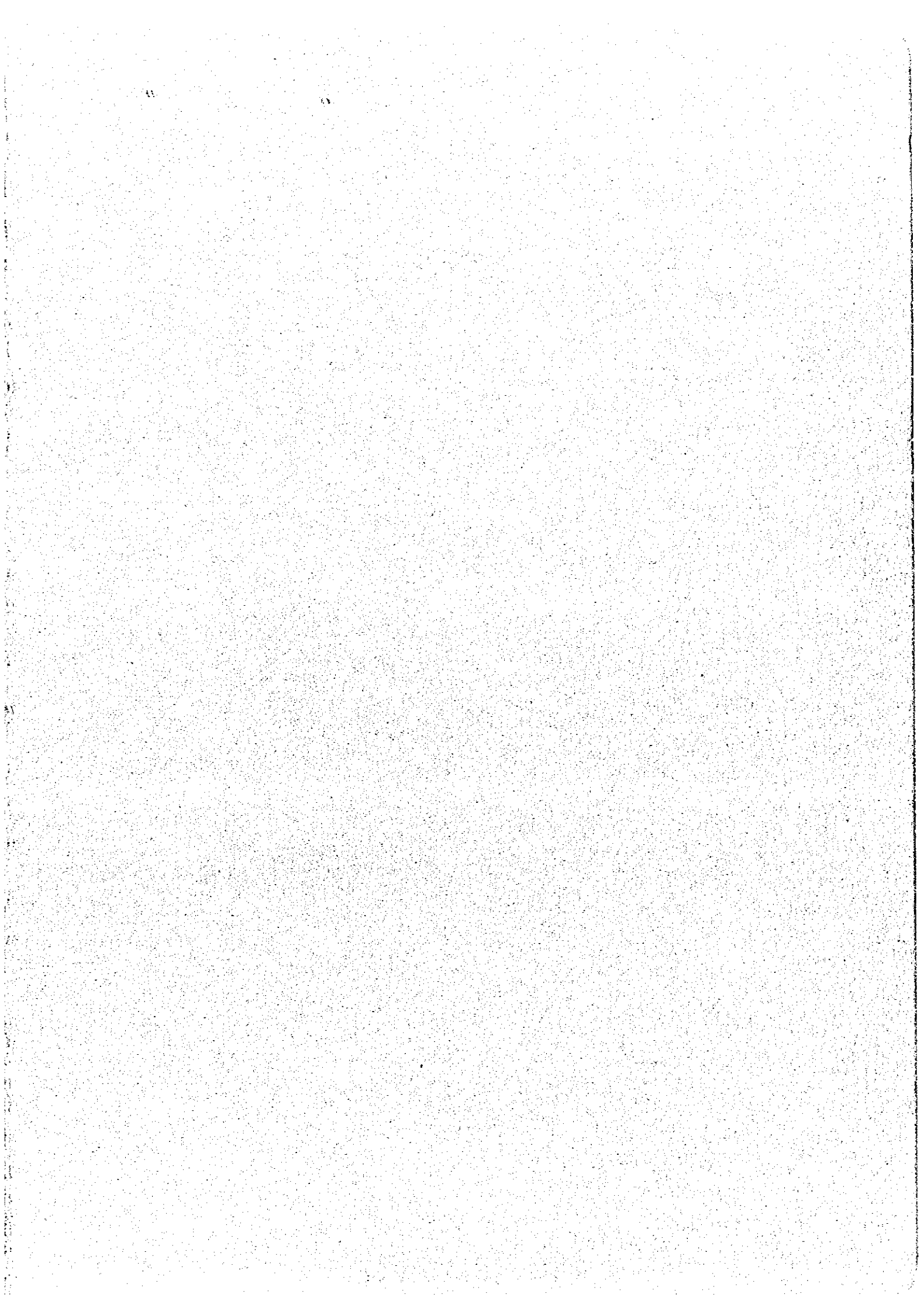


SKETCHES OF BULLDOZER CUTTING R-2(2/2)



LEGEND

- Shallow excavation
- Gullstone Paving
- Concrete
- Drainage
- Gravel drainage
- Cracked Zone
- Wire mesh (iron, Cu, Zn, Pb)
- Stone and sp. (type B finished)
- Spraying pipe
- Single electrical wire and cable length
- Scaffolding (AUG 70 equipment)



JICA