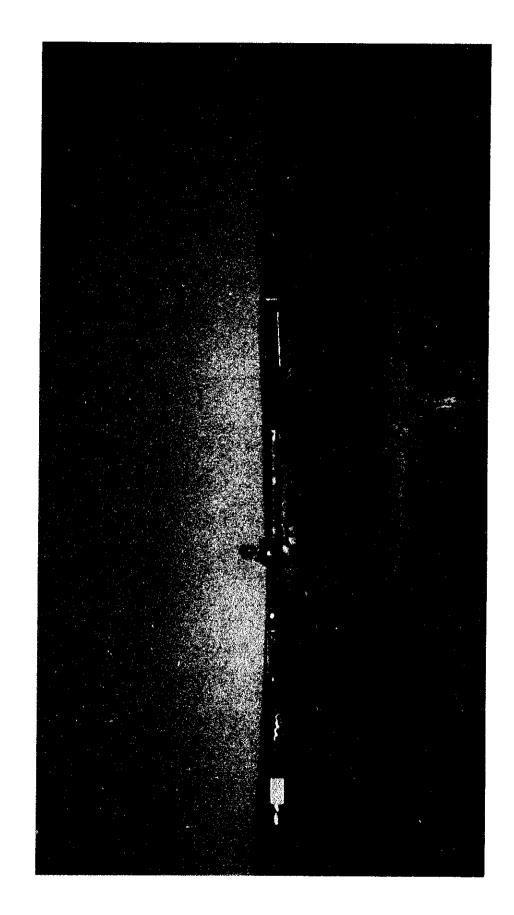
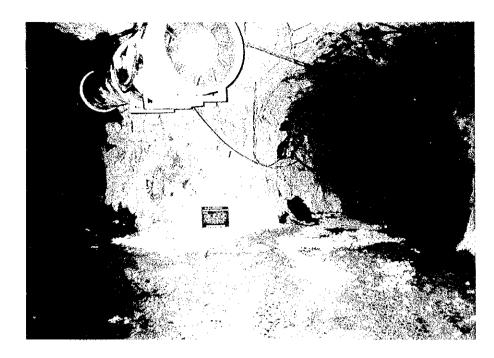
Photographs of Working



()

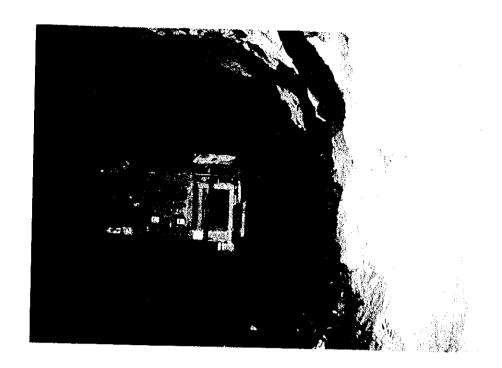




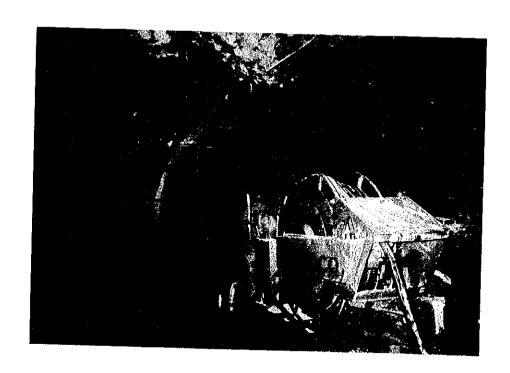
Junction (Northward drift-Southward drift)



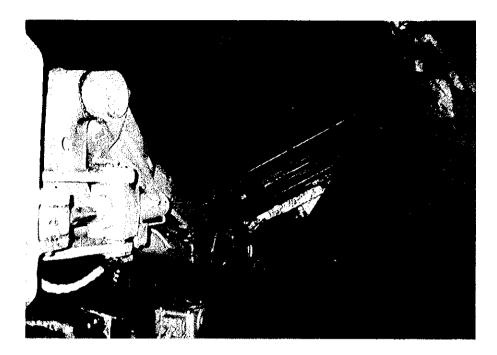
Pump station



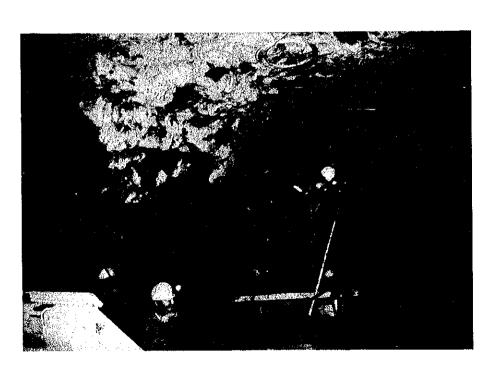
Drilling blast hole work (Type-1)



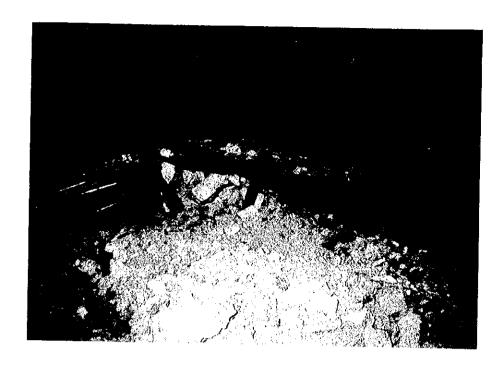
Drilling blast hole work (Type-2)



Drilling rock-bolt hole work



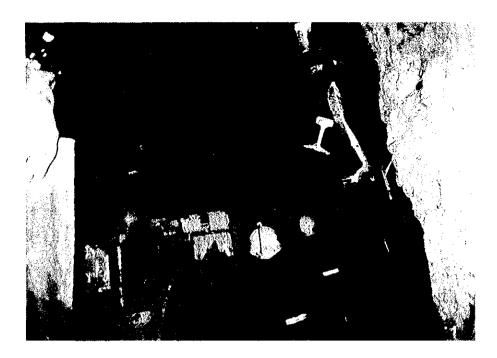
Rock-bolting



Falling in No.3 Waste pit



Spolling work in No.3 Waste pit



Spolling work in No.3 Waste pit



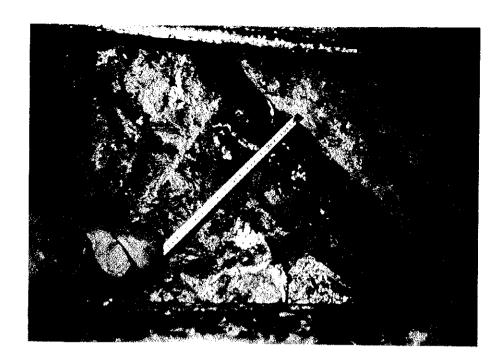
Filling in No.3 Waste pit



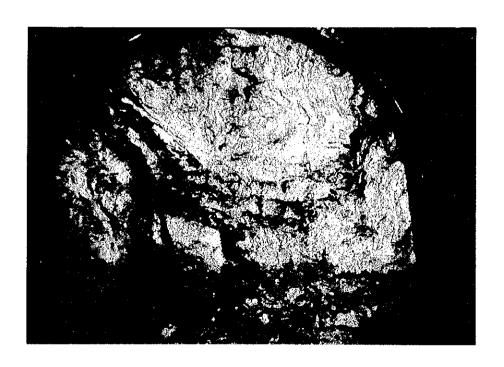
Face (Cross cut drift)



General view of Cross cut drift

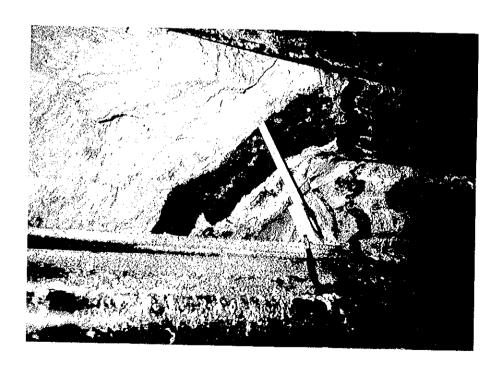


Mineralized zone (Right wall of Cross cut drift)



Mineralized zone (face of Cross cut drift)

General view of No.4 Waste pit



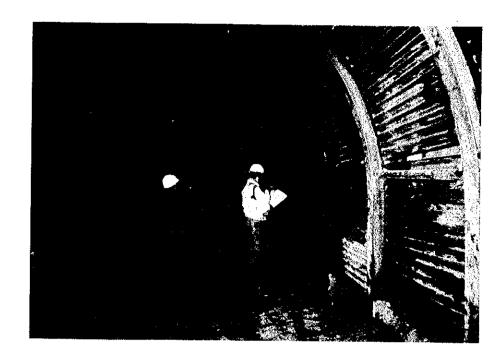
Right wall of No.4 Waste pit



Face of No.4 Waste pit

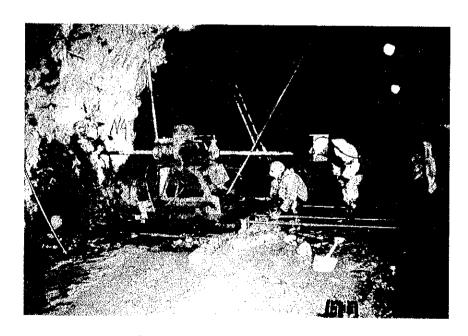


Fan and Air Duct

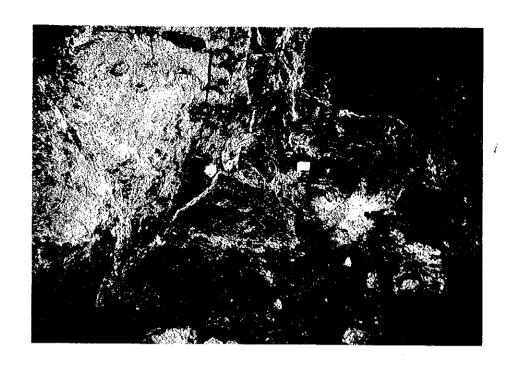


JICA/MMAJ Inspection

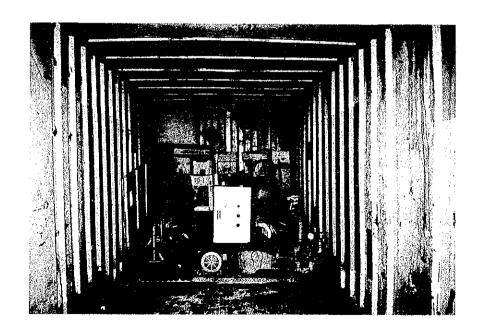
Diamond drilling work



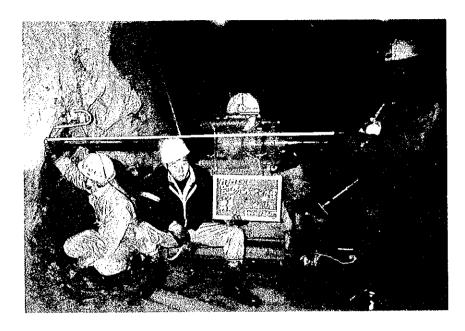
Setting diamond drilling machine



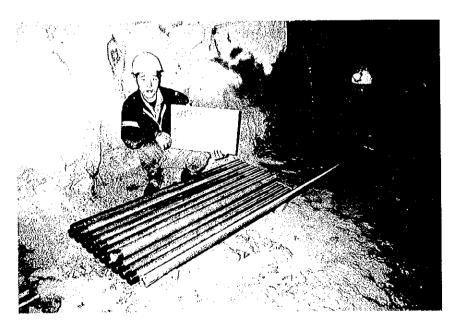
Tamping for bore holes (MJMT-13,-14)



Storing



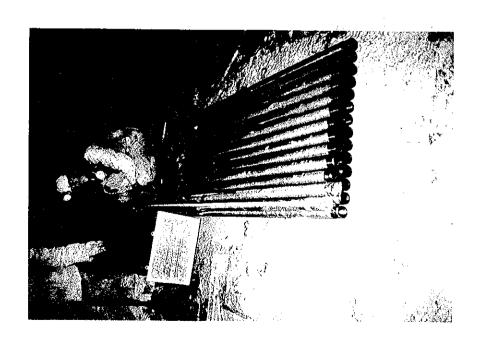
Rod measuring (MJMT- 1)



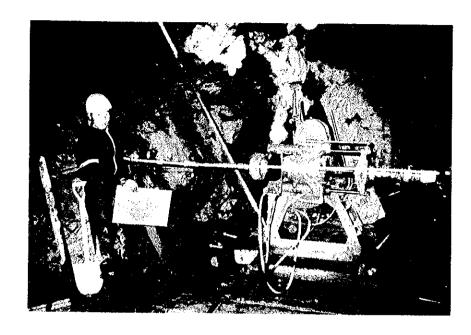
Rod measuring (MJMT- 2)



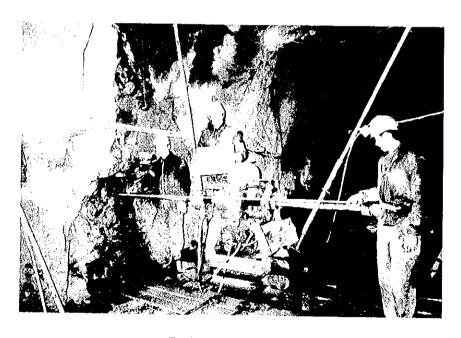
Rod measuring (MJMT- 3)



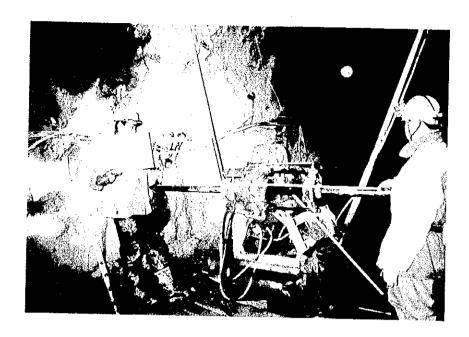
Rod measuring (MJMT- 4)



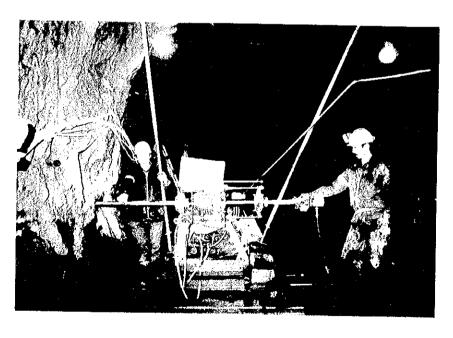
Rod measuring (MJMT- 5)



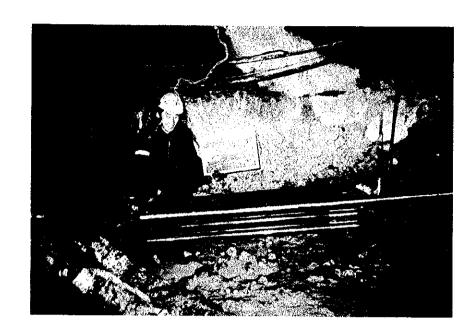
Rod measuring (MJMT- 6)



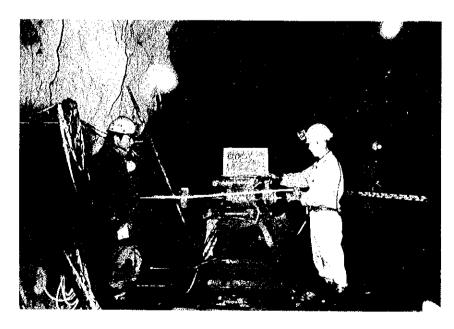
Rod measuring (MJMT- 7)



Rod measuring (MJMT- 8)



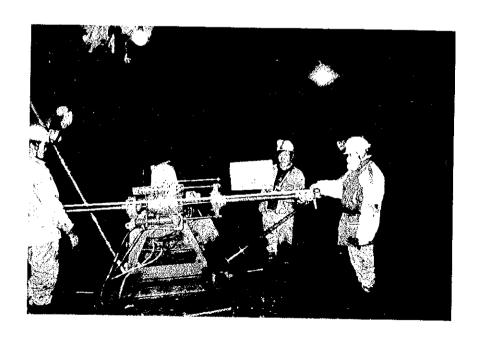
Rod measuring (MJMT- 9)



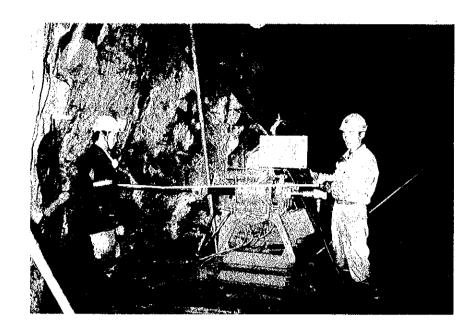
Rod measuring (MJMT-10)



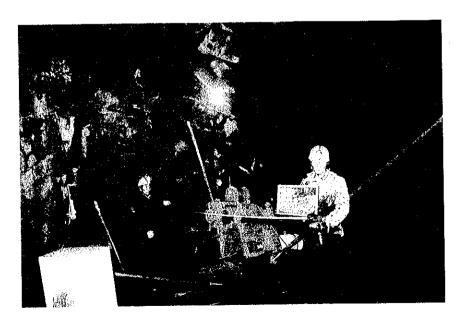
Rod measuring (MJMT-11)



Rod measuring (MJMT-12)



Rod measuring (MJMT-13)



Rod measuring (MJMT-14)



Trench excavation by LHD



Trench excavation by Back Hoe



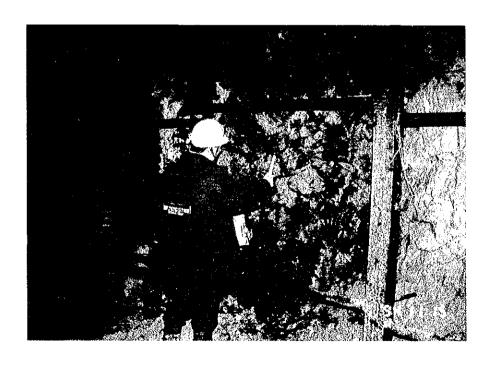
Trench excavation by Manpower



Sampling in No.4 Vein



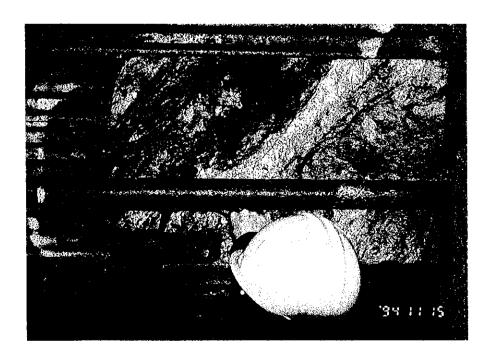
Sampling work



Underground surveying



Mineralized zone in Cross cut (at about 21.5m point)

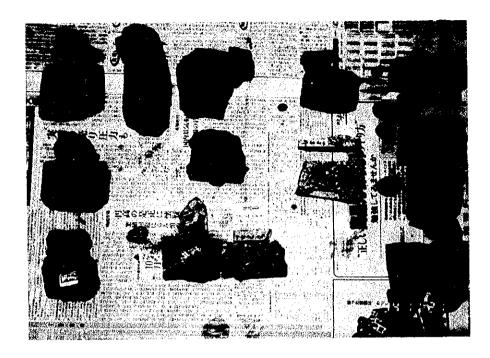


Mineralized zone in Cross cut (at about 23.0m point)

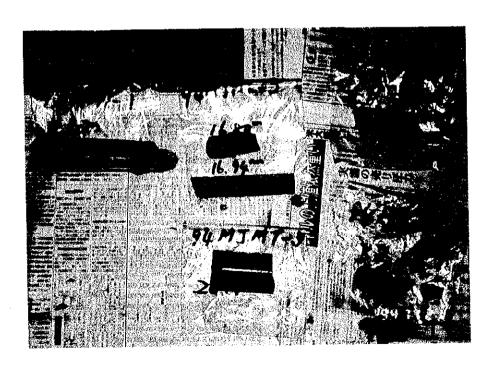
Mineralized zone in No.4 Waste pit



Cutting samples

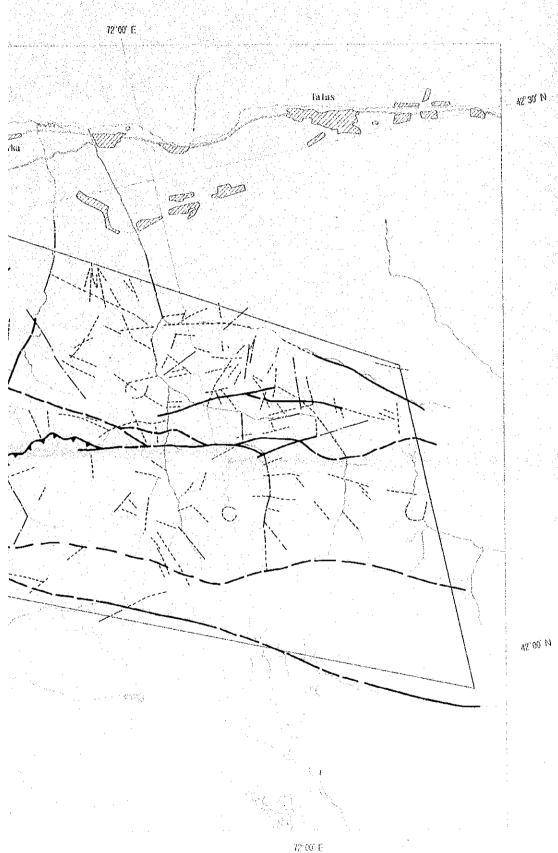


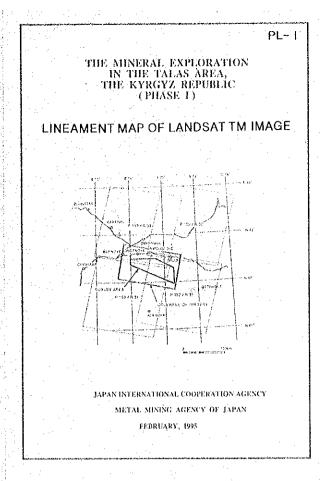
Samples



Samples of diamond drilling

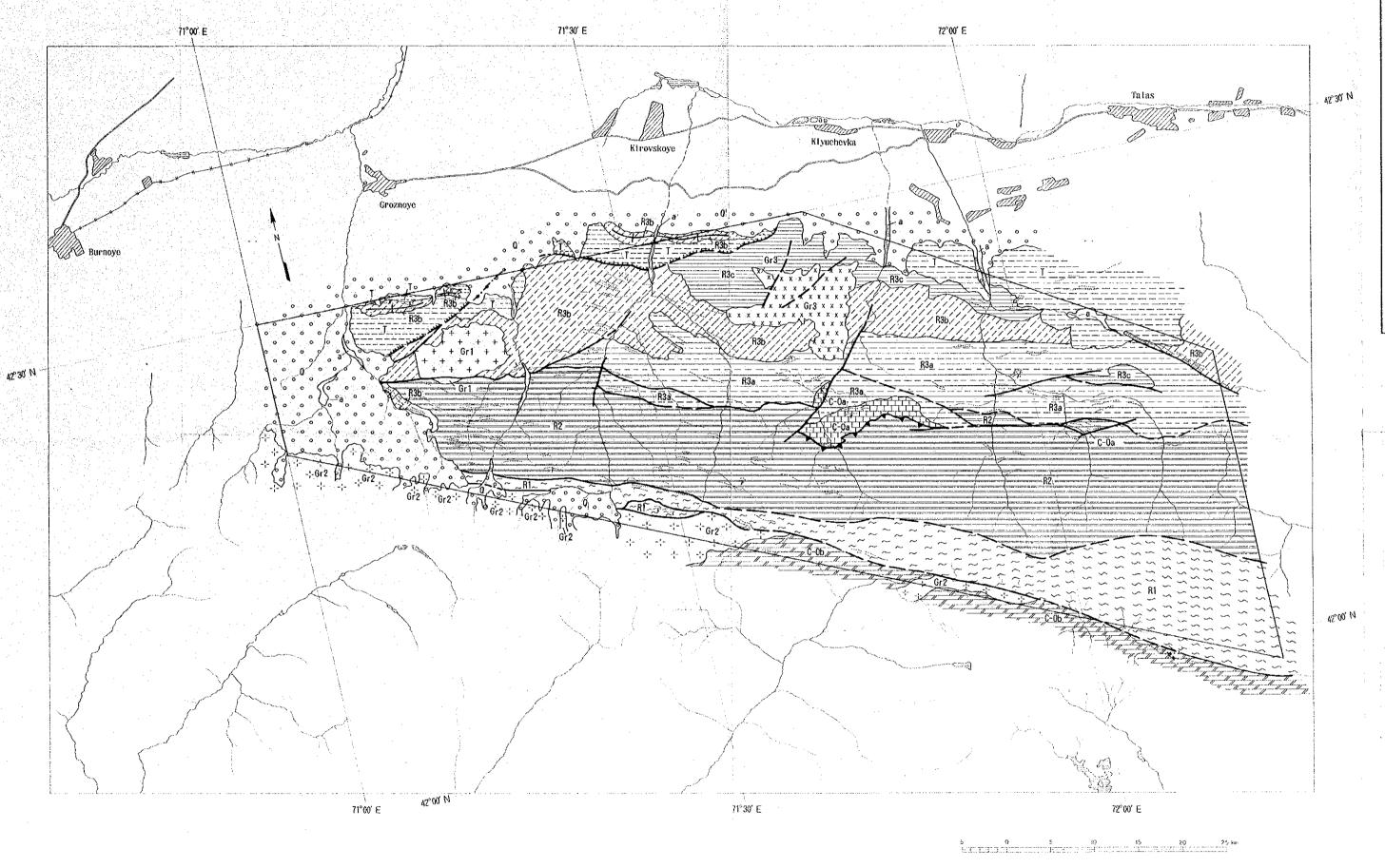






LEGEND

	Fault (barbs on downfall side)							
H	Inferred Fault (barbs on downfall side)							
منعز	Thrust Fault							
	Major Lineament							
أم معمد	Minor Lineament							
$\langle \rangle$	Circular Structure							
X	Anticline							
سار	Drainage							
=	Lake, Fond							
<i>(17)</i>	Urban Area							
	Hajor Road							
تعسيسين	Rail Way							



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> ZIUNATA Q

> Cresso

S....

| A | C | Oa | C | Ob | R3c | R3b | R3a | R2 | R1 | X | X | Gr3 | Gr2

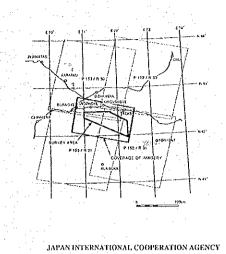
Fault ()
Infexred
Thrust
Anticli
Oraineg
Lake, P.

Ucban A

Major R

THE MINERAL EXPLORATION IN THE TALAS AREA, THE KYRGYZ REPUBLIC (PHASE I)

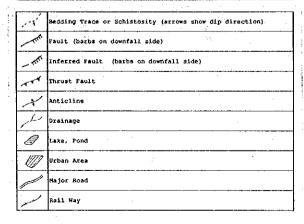
GEOLOGIC INTERPRETATION MAP OF LANDSAT TM FALSE COLOR IMAGE

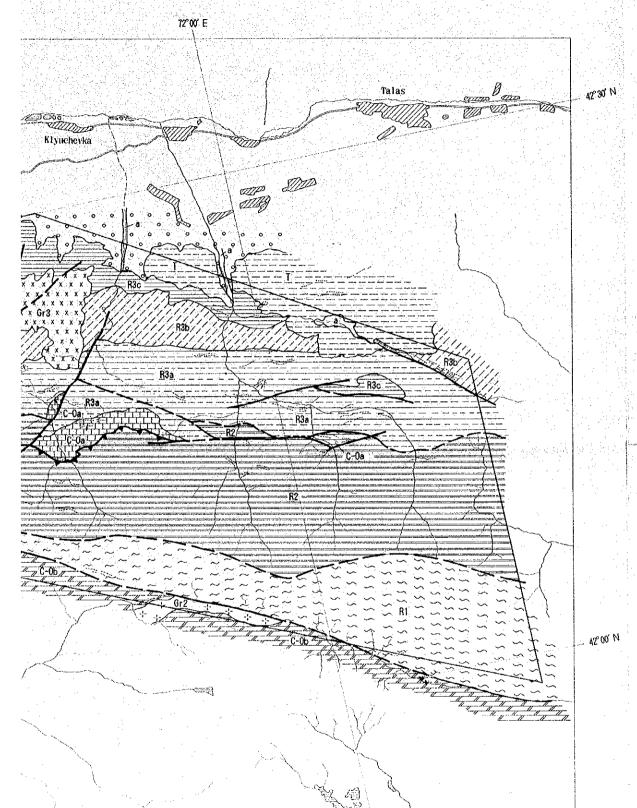


LEGEND

METAL MINING AGENCY OF JAPAN FEBRUARY, 1995

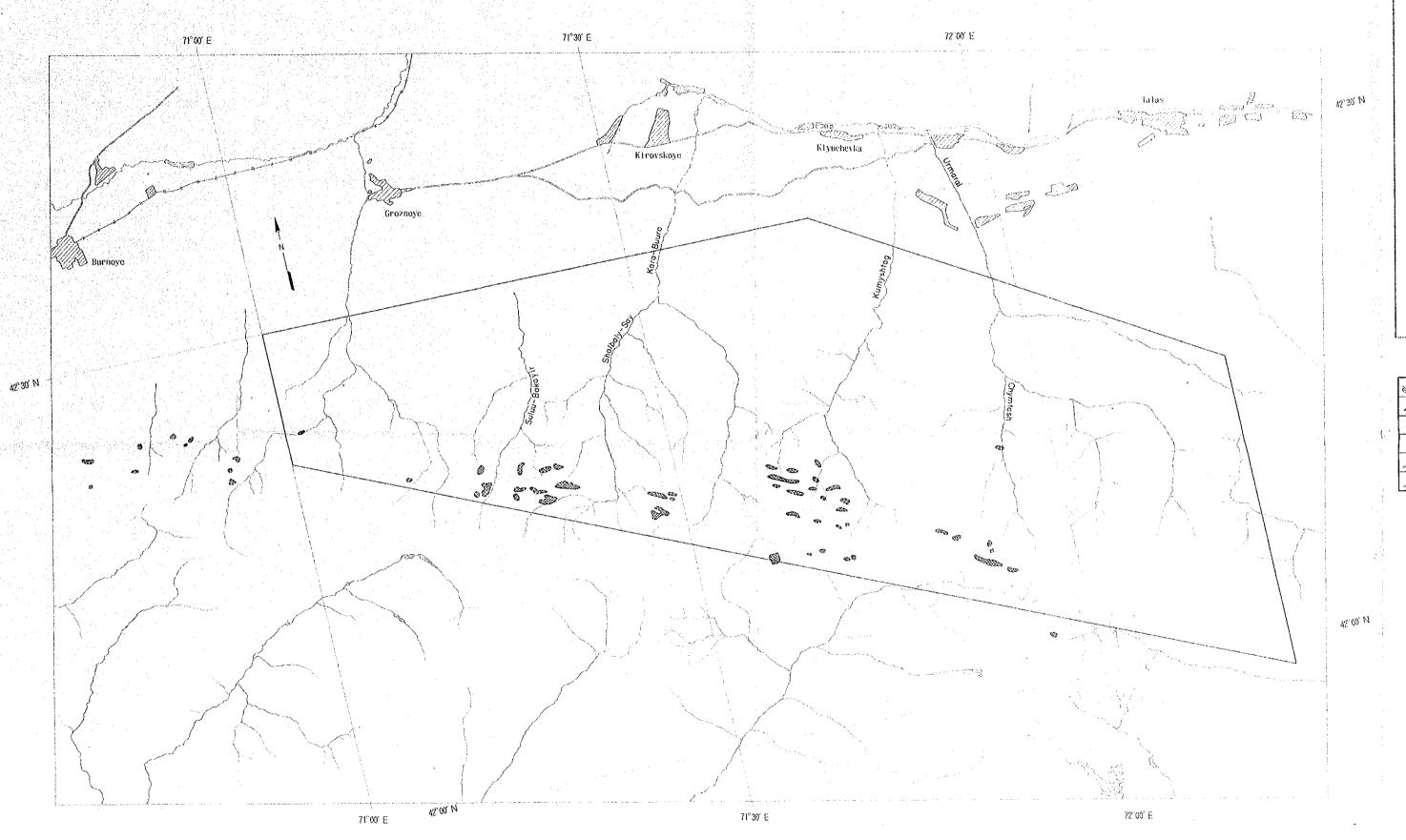
T 4 T 4	47.5		
Symbol	Unit	Correlation with Geologic Map	Probable flock Types
	a Q	a	gravel, loss
	Т	N1-2, P3-N1	clay, sandstone
	C - Oa	C · Oz fs	limestone
	С-ОБ		
	R3c	Rasr	shale, siltstone, sandstone
	R3b].	
	Н3а	Rasr, Hact	shale, siltstone, sandstone
	Ħ2	Ract, Rt-2kb	sandstone, shale, phyllite, limestone
	Ri	R1-2kb	phyllite, limestone
x	Gr3	y Sơ	granitic rock
de efecte de de	Gr2	-	granitic rock ?
+ + +	Gr1	γOv?	granitic rock





72°00′ E

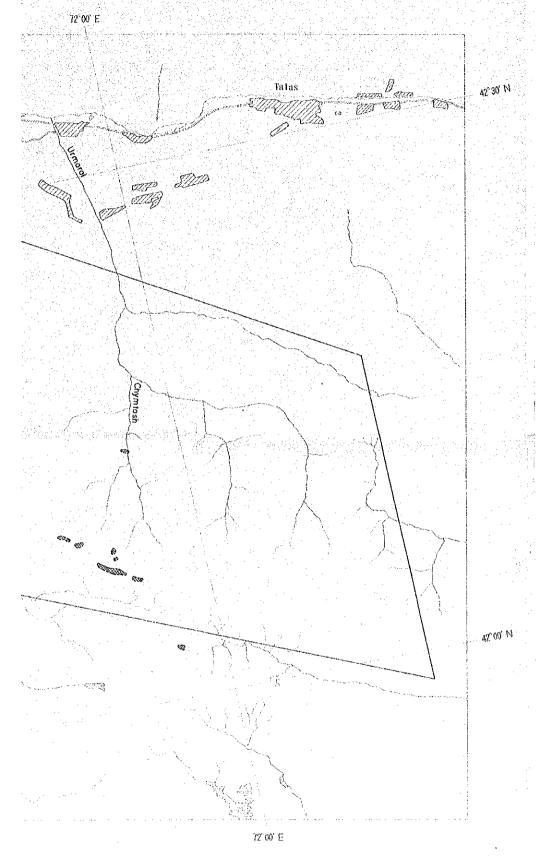
5 9 5 10 15 20 25 km

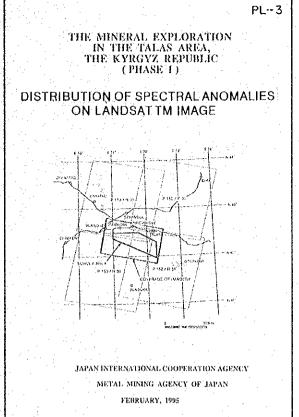


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THE

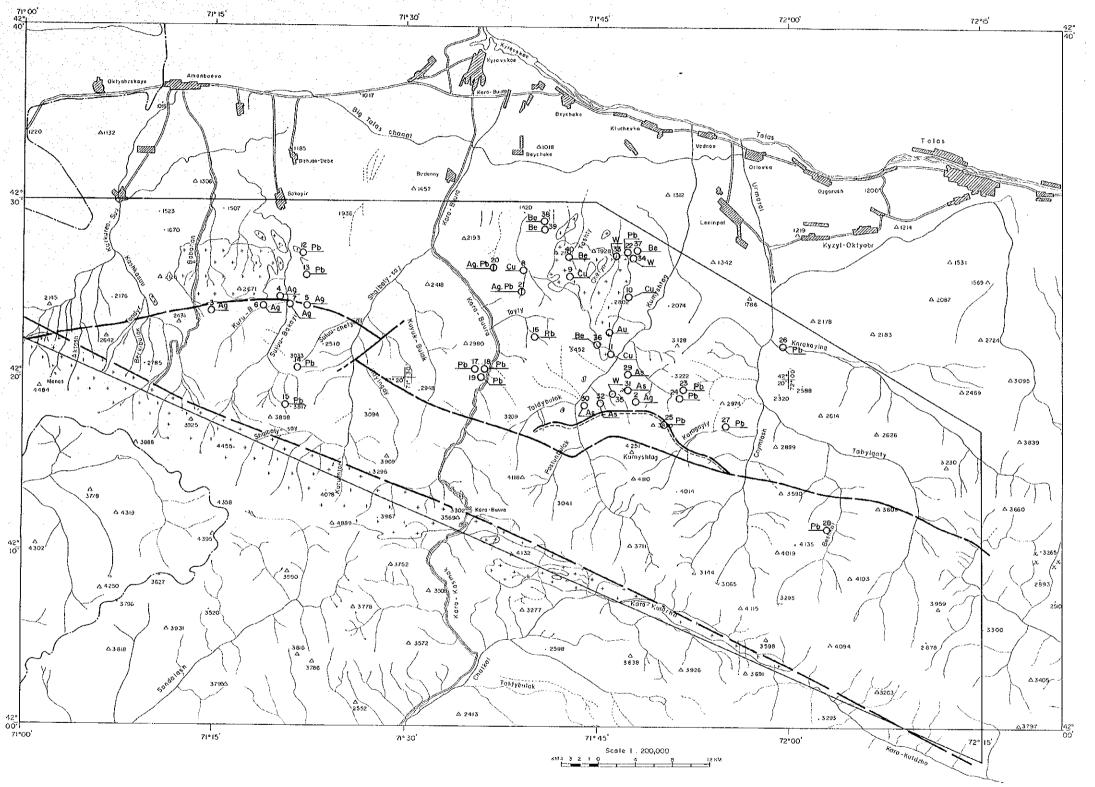
Spectral And
Drainage
Lake, Pond

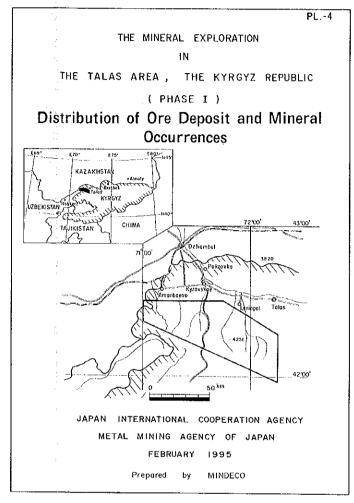




LEGEND

::::::::::::::::::::::::::::::::::::::	Spectral Anoma	lies on Band	3/Bandl Ratio	and DPCA	Image	
	Drainage					
	Lake, Pond	al and the said		i Nagalaka		
	Urban Area			11.7		
	Major Road					
	Rail Way		· ·			



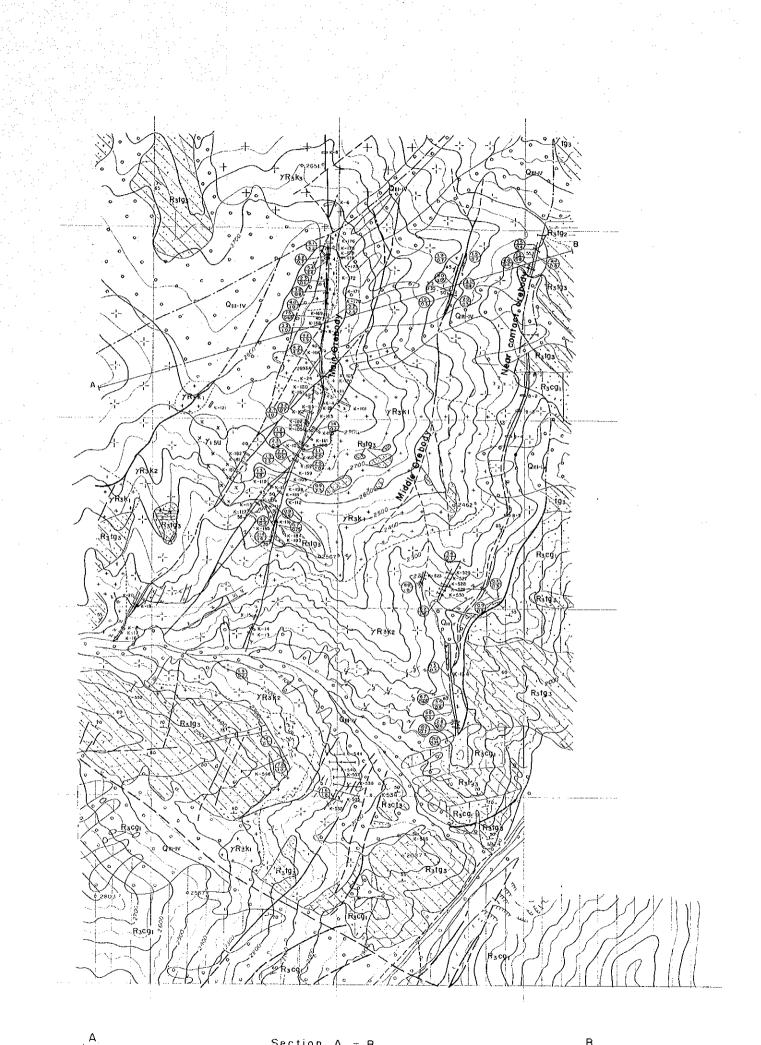


LEGEND

 \int_{-Au}^{1} Site of deposit, number and kind of element

Granitic batholith

Fault



THE MINERAL EXPLORATION THE TALAS AREA , THE KYRGYZ REPUBLIC (PHASE I) Geological Map of Shyraldzhyn Deposit JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995 Prepared by MINDECO



LEGEND

Upper Quaternary - recent sediments : undivided

Chydygoloyskaya formation ; Lower Chydygoloysa sub-formation : limestone, thin layers of conglumerate, sandstone, calciferous siltstone

Layer 3. Alternation of greyish-green conglomerate,

Layer 2. Medium-grained sandstone, thin layers of conglomerate

x x x x x x Fine-grained grey, pinkish-grey granite

+ y 84% Leucocratic fine-grained grey, pinkish-grey granite

Leucocratic medium-grained grey, pinkish grey, pinkish-red granite

Coarse-grained lilac-coloured porohyritic granite

[//] Dykes of apilitic granite

Dykes of quartz diorite porphyry

127 a) Greisenization zone b) Hydrothermal altered zone

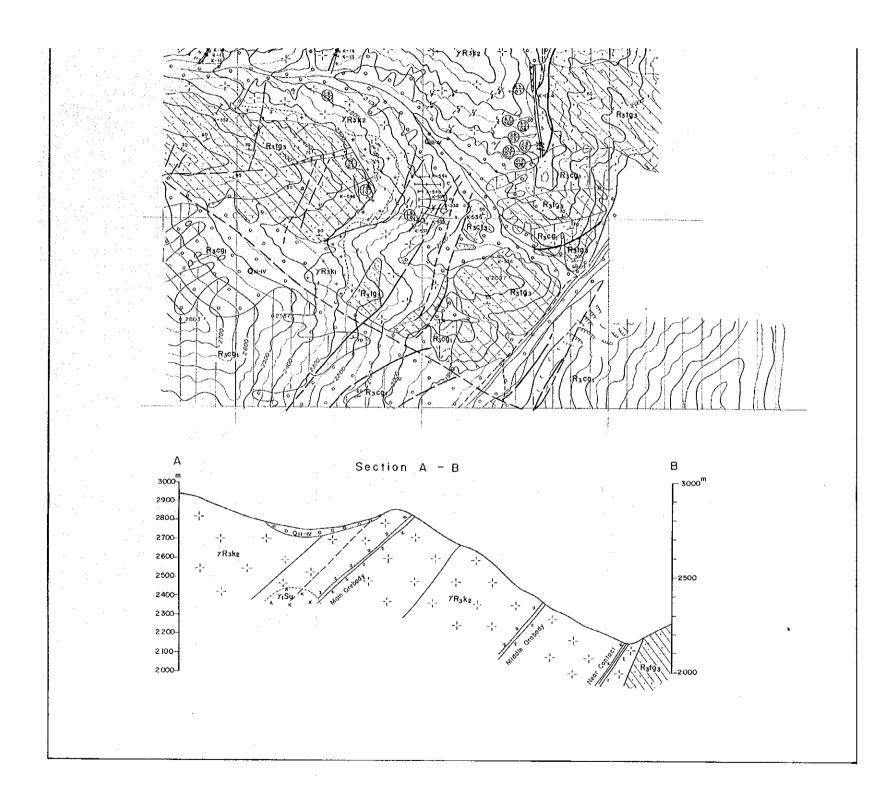
Quartzmanganosiderite veins, quartz veins a)//b) a) already known b) presumed

gold grade (g/t) width (m) $\binom{50}{12}$

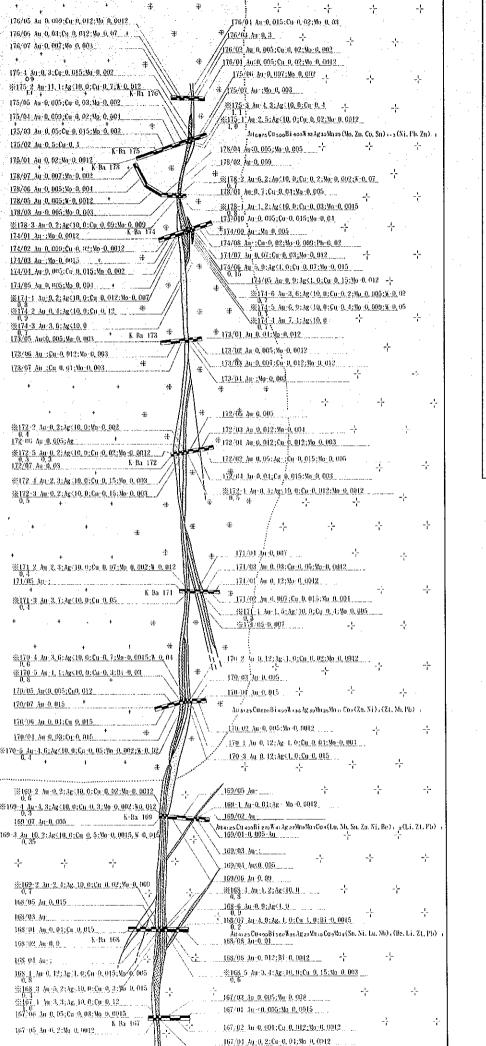
) R,X,

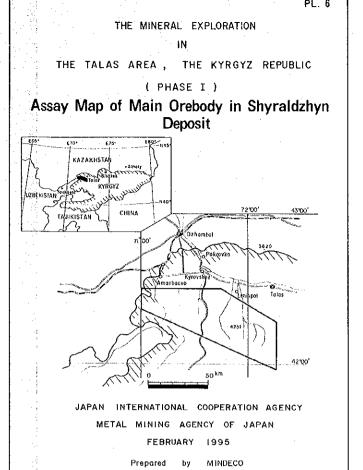
Strikes and dips (bedding, faults)

Section A - B



sub-formation : limestone, thin layers of conglomerate, Luxu-Layer 3. Alternation of greyish-green conglomerate, variable grained sandstone Layer 2. Medium-grained sandstone, thin layers of Rep Fine-grained grey, plnkfsh-grey granite Leucocratic fine-grained grey, pinkish-grey granite Leucocratic medium-grained grey, pinkish grey, pinkish-red granite YRK,+ Coarse-grained lifac-coloured porohyritic granite Dykes of apilitic granite Dykes of quartz diorite porphyry Quartz-hornblende-pyroxene hornfels, hornblende-pyroxene hornfels 1275 a) Greisenization zone b) Hydrothermal altered zone Quartzmanganosiderite veins, quartz veins a) already known b) presumed gold grade (g/t) width (m) (5.0) 1.2) Trenches Strikes and dips (bedding, faults) Fault a) actual b) inferred c) concealed







LEGEND

+ + +	Fine grained grey to pinkish grey leuco	ocratic granite
+-+	Middle grained grey to pinkish red leuc	ocratic granite
# #	Greisenization	
	Veins : a) quartz - manganosiderite	b) quartz
	Crushing zones	

Trench and trench No.

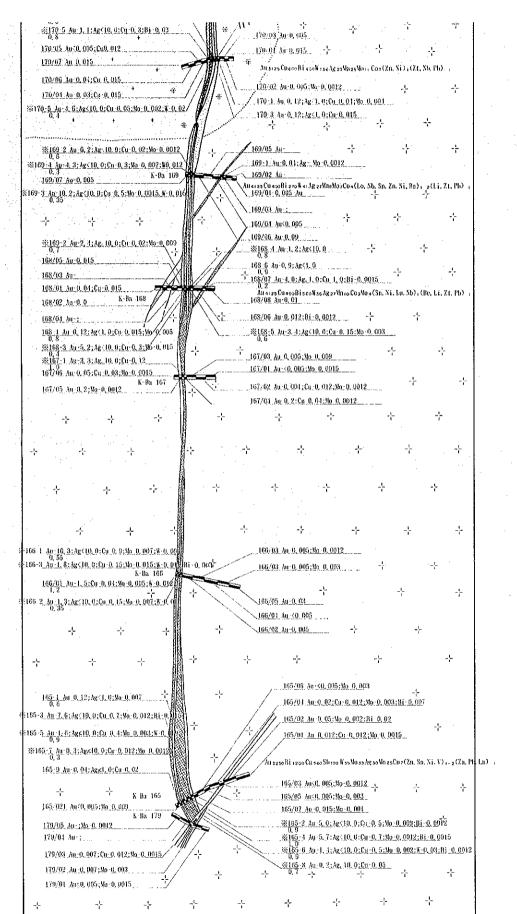
175 4 Au 0, 3;(0, 0, 015;10, 0, 002; 3; 0, 92 Sample No. Au(g/t), Cu(%), Mo(%), W(%) width (m) (spectral analysis

 $\begin{array}{lll} & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & &$

Actual faults

176 - 4 Channel samples

170/6s Linear spot samples



Veins: a) quartz - manganosiderite b) quartz

Crushing zones

Trench and trench No.

Trench and trench No.

Sample No. Au(g/t), Cu(%), Mo(%), W(%) width (m) (spectral analysis width (m))

Crushing zones

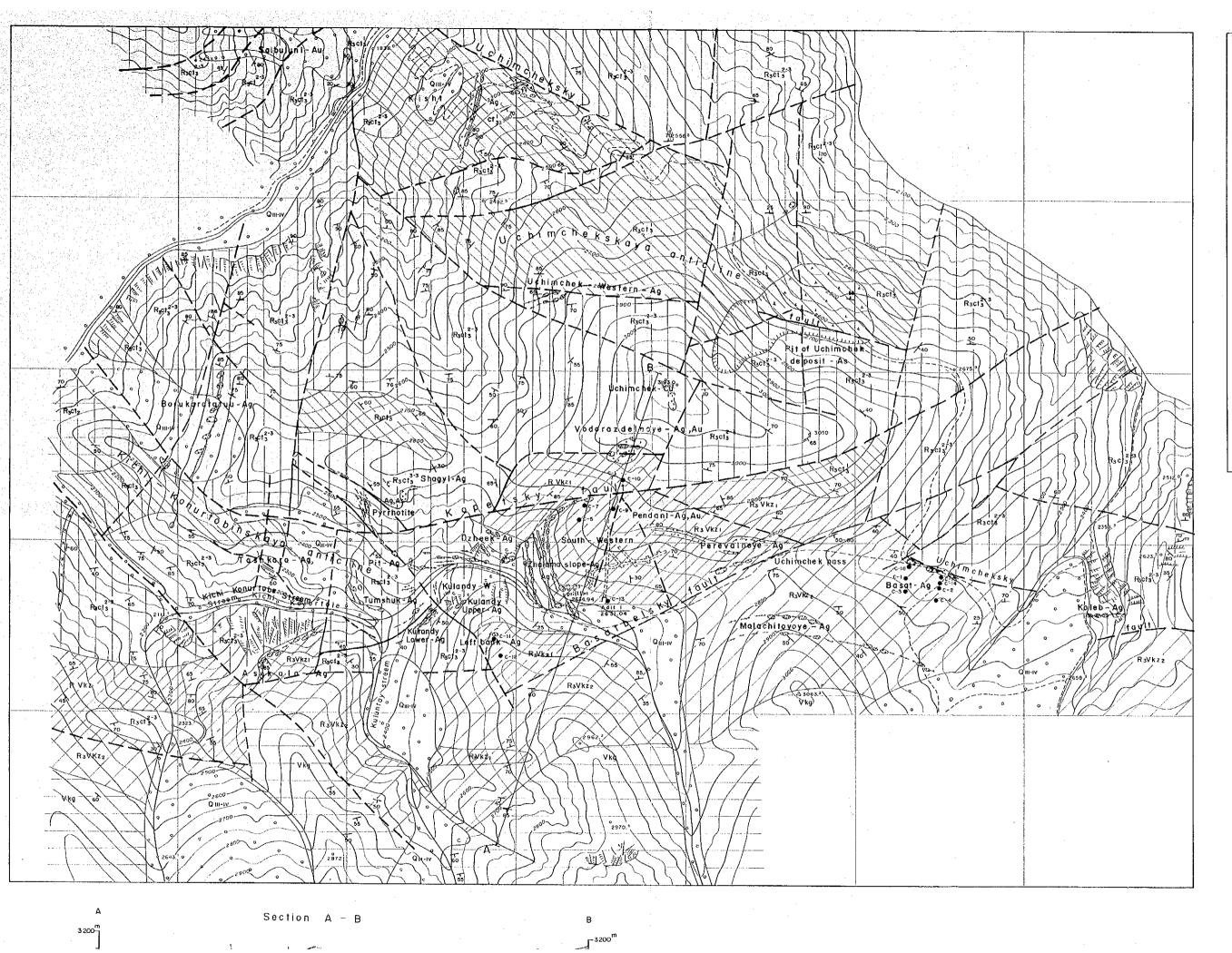
Sample No. Au(g/t), Ag(g/t) (fire assay)

Ad. Cu. Ni. W. Ag. Man (Azan Ca.Sh) ((i. Ph. 1)), Geochemical characteristic of ore body after trench survey

Actual faults

Tro-4 Channel samples

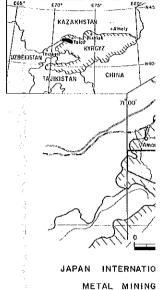
Linear spot samples



THE MINER

THE TALAS AREA,

Geological Map



LEGE

FEB5

Upper Quaternary recer (dituvial, protuvial, alluv

Kurganskaya formation timestone, conglomerate Upper Kyzylbelskaya su sandstone), lenses of lin

Lower Kyzylbelskaya su

siltstone, greenish siltst

Upper Chatkaragaiskaya

Upper Chatkaragaiskaya hornfels, siltstone with t

Rich Middle Chatkaragaiskay limestone with layers of

ε) limestone b) :

a) shale b) sa

granule conglomera

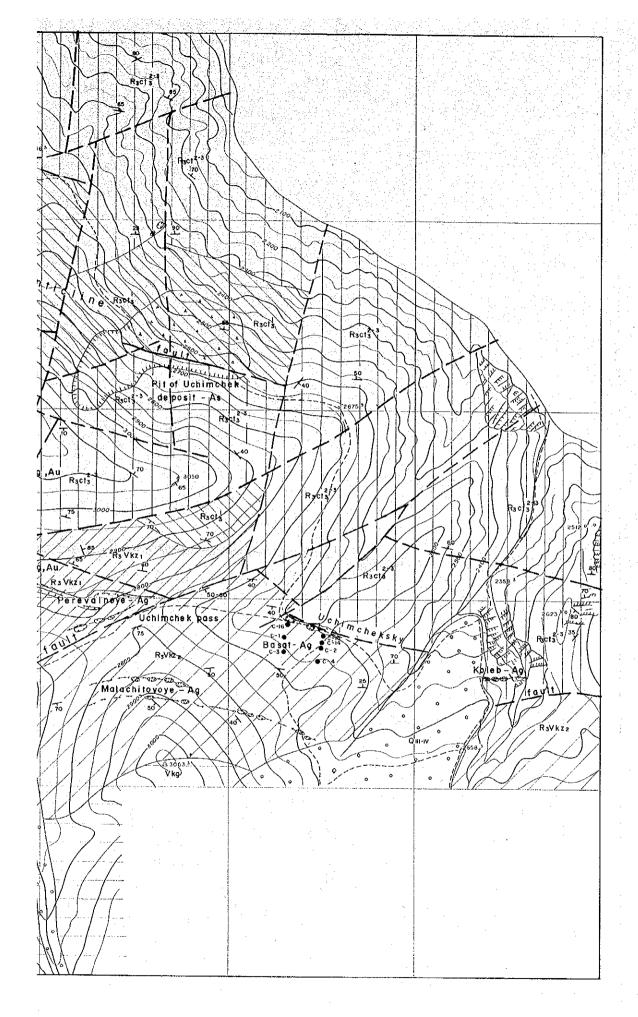
Quartz-porphyry dy

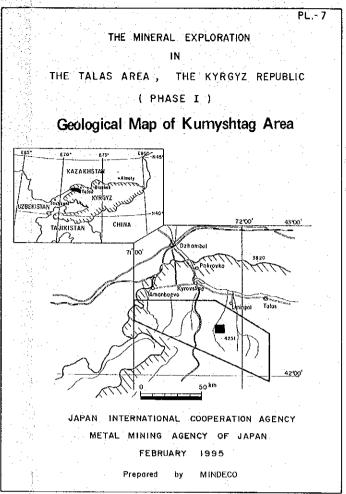
Manganosiderile vo

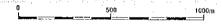
Skarn zone

Faults

Strike and dip a) r







Upper Quaternary recent sediments (diluvial, proluvial, alluvial, glacial)

Kurganskaya formation : sandstone, shale, jasper lydite, limestone, conglomerate, tuff, tuffaceous sandstone, chert

Upper Kyzylbelskaya sub-formation : shale (mostly dark-red sandstone), lensos of limestone

Lower Kyzylbelskaya sub-formation : sandstone dark-grey siltstone, greenish siltstone, greyish-green and wine red shale

Upper Chatkaragaiskaya sub-formation : upper and middle layers ;
Alternation of hornfels, siltstone, limestone

Upper Chatkaragaiskaya sub-formation : lower layer ; hornfels, siltstone with thin layers of sandstone, conglomerate

Rick Middle Chatkaragaiskaya sub-formation : medium-grained limestone with layers of carbonate shale

a) limestone b) siltstone

a) shale b) sandstone

granule conglomerate

Quartz-porphyry dykes

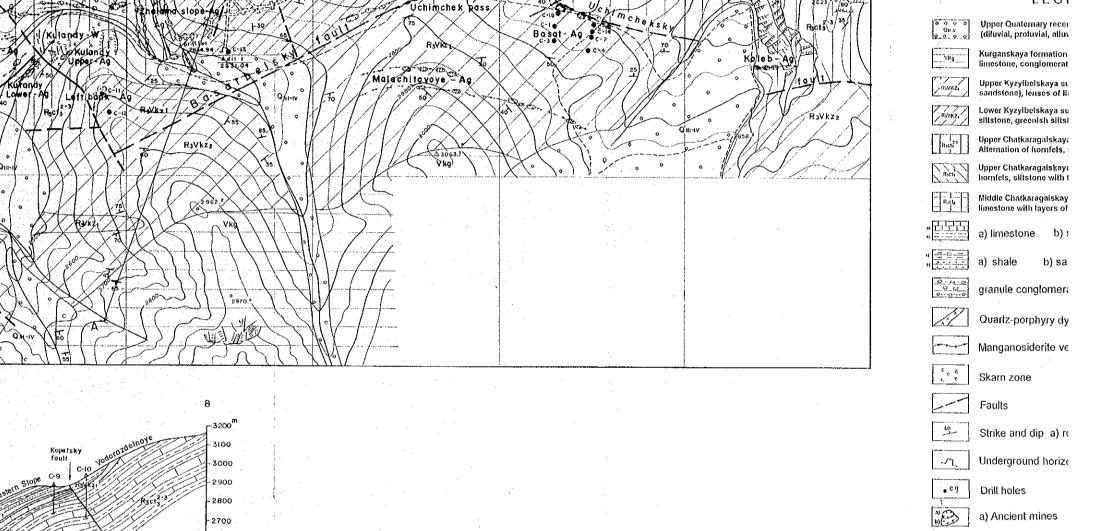
Manganosiderite veins

Skarn zone

60 01 11

Strike and dip_a) rock beds





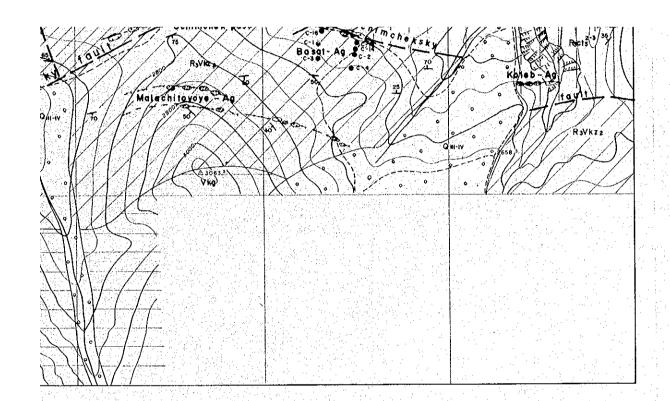
Section A - B

-2600 2500

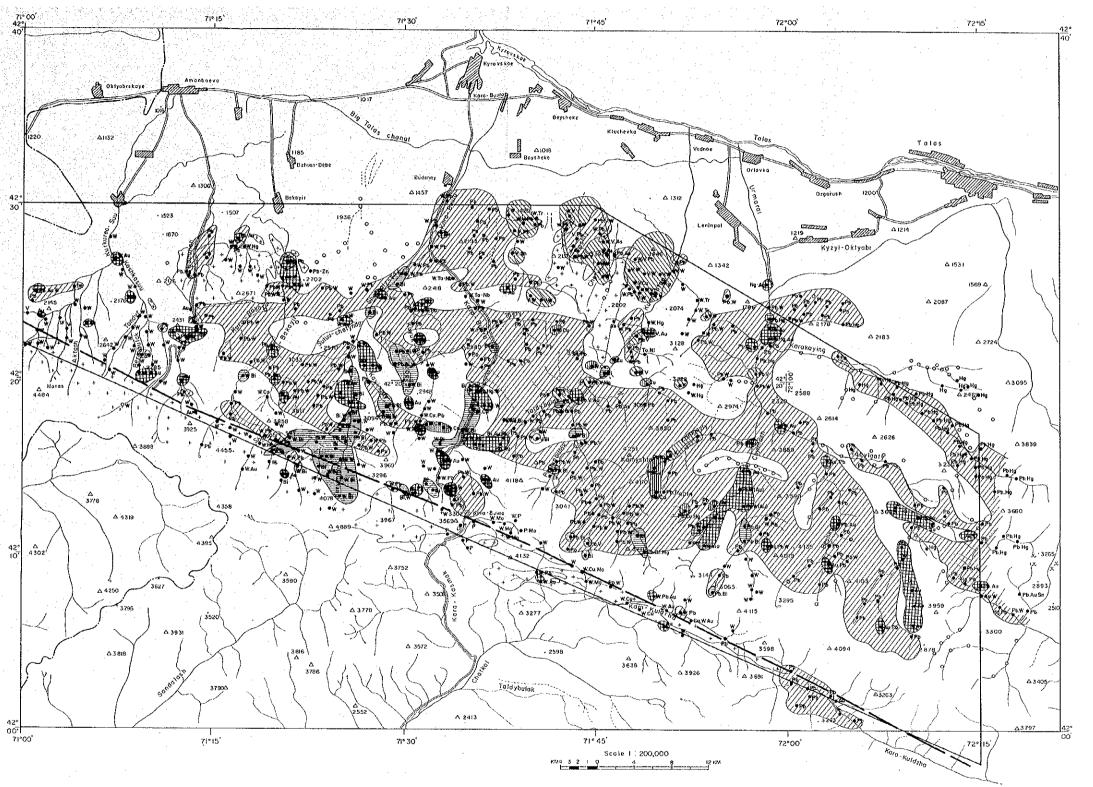
Bosafbelsky fault

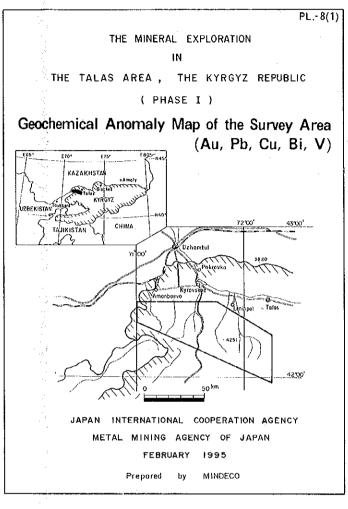
3 200 m

3000-



	Bosqi-Aq E	Pa 13 79 35	0 0 ¢ 0 Qu v Q Q 0 0	Upper Quaternary recent sediments (dituvial, proluvial, alluvial, glacial)
28 of Rovier			Vkg	Kurganskaya formation : sandstone, shale, jasper lydite, ilmestone, conglomerate, tuff, tuffaceous sandstone, chert
Malachitovoye - Aq		They have	R,VKZ	Upper Kyzylbelskaya sub-formation : shale (mostly dark-red sandstone), lenses of limestone
9/1-iv 175 1 2 50 2 50 2 50 50 50		Paykz2	li,vicz.	Lower Kyzylbelskaya sub-formation : sandstone dark-grey siltstone, greenish siltstone, greyish-green and wine red shale
	We to the second	9 658	R _i ct _i 3	Upper Chatkaragaiskaya sub-formation : upper and middle layers ; Alternation of hornfels, slitstone, limestone
0 Ving)	1.	· W//////	Ricti	Upper Chatkaragaiskaya sub-formation : lower layer ; hornfels, siltstone with thin layers of sandstone, conglomerate
			Rict	Middle Chatkaragaiskaya sub-formation ; medium-grained limestone with layers of carbonate shale
				a) limestone b) siltstone
			# 2 1 2 9 1 1 1 1	a) shale b) sandstone
			0.0.0 Q.Q0	granule conglomerate
				Quartz-porphyry dykes
				Manganosiderite veins
() \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			c c c	Skarn zone
				Faults
			60	Strike and dip a) rock beds
			-/\	Underground horizontal workings
			• 69	Drill holes
			1) (C)	a) Ancient mines b) Ancient rock dumps
and the second of the second o		en e		





Gold

Lead-Zinc

Copper

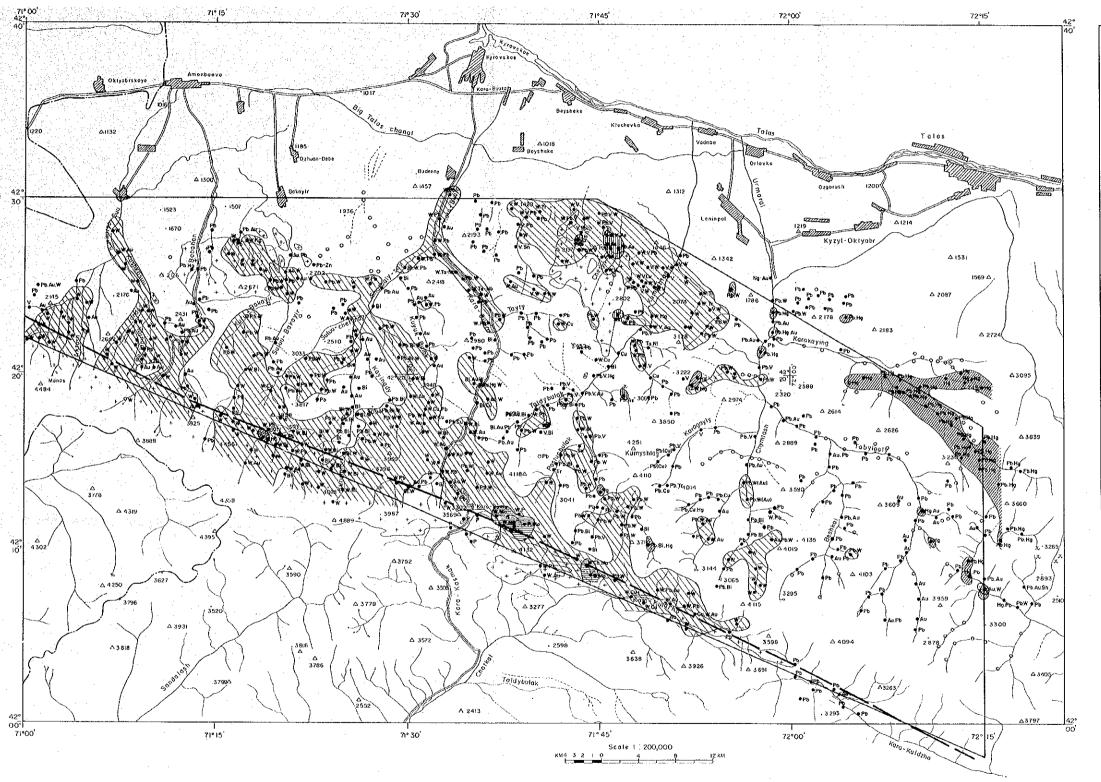
Bismut

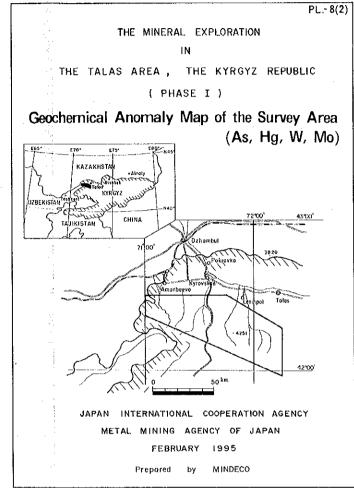
yanadam

- ---- Panning points containing metal minerals
- o----- Panning points without metal minerals

→ Granitic batholit

Fault

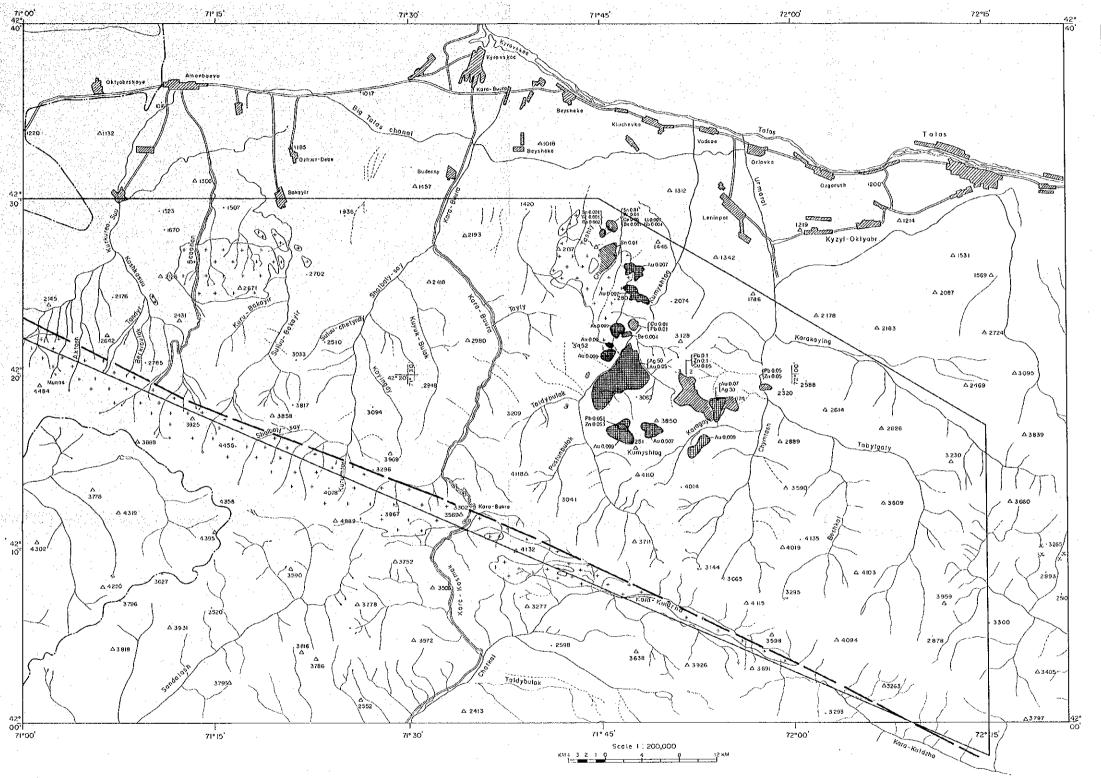


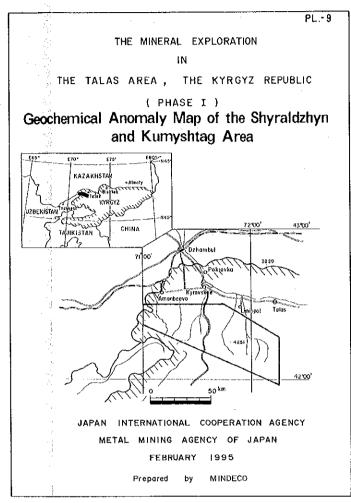


Arsenic (Ma) Mercury

Tungsten Molybdenum

- ··· Panning points containing metal minerals
- o Panning points without metal minerals
- Granitic batholith





Au, Ag (g/t)

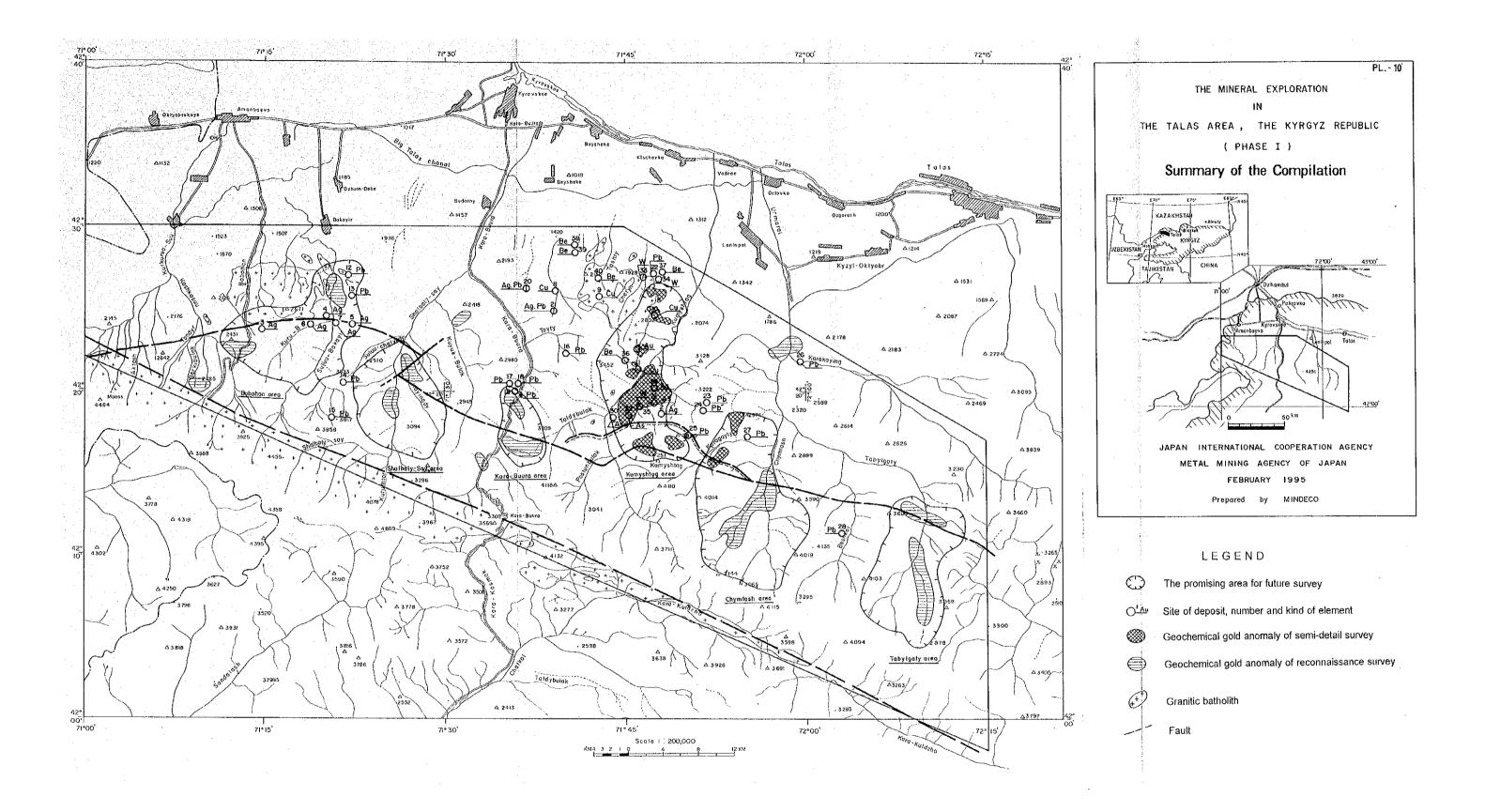
Pb, Zn, Cu (%)

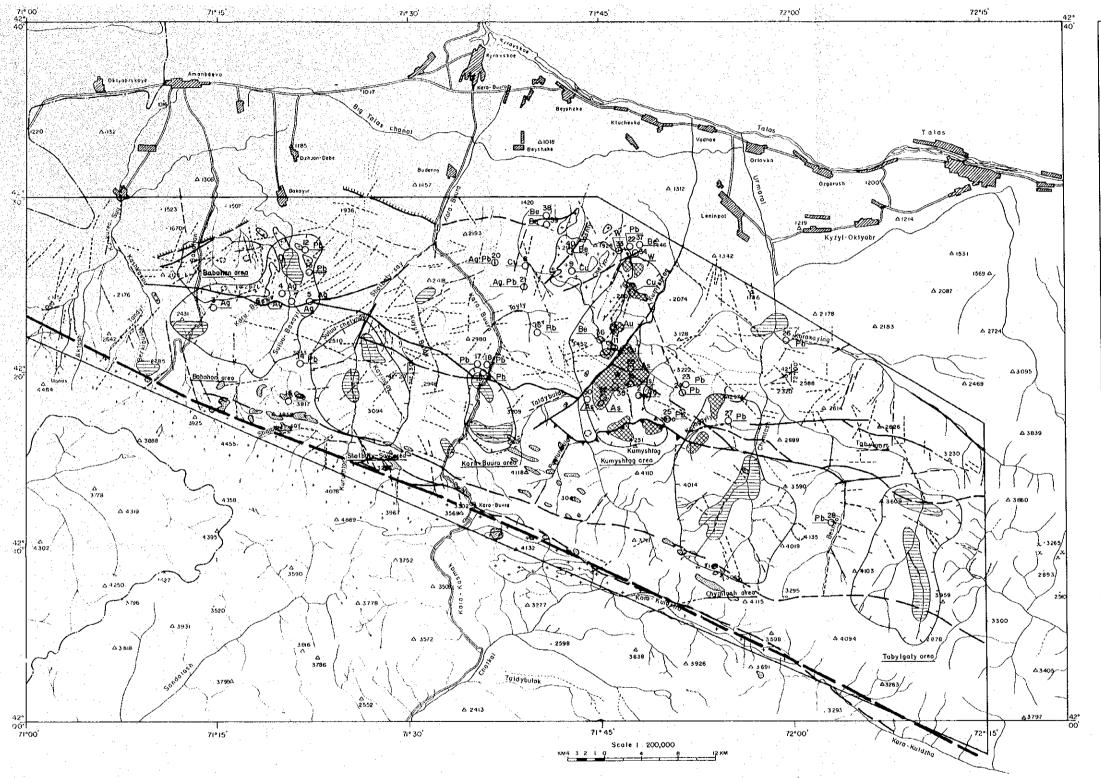
Sn, W, Be, Nb, Ce, Li (%)

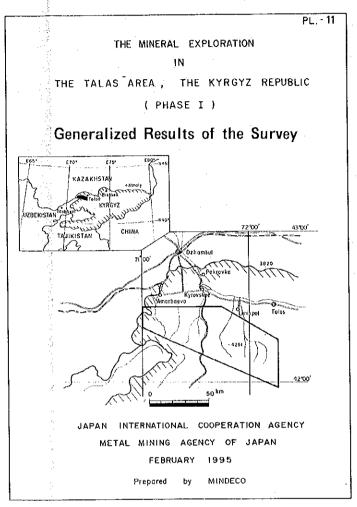
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Granitic batholith

Fault







The promising area for future survey

Site of deposit, number and kind of element

Geochemical gold anomaly of semi-detail survey

Geochemical gold anomaly of reconnaissance survey

Spectral anomaly after satellite image analysis

Interretaed fault and major lineament

Minor lineament

Granitic batholith

