

		Custeraury Deposits	[]	Special axis
	⊡⊡	Cretaceous, Turenian stage:Greeneday Sandatumes, Eneglimentales	· [7]	Ore Bodies. One Bostomatifation Ris
		Entratas furnation Relavateuries . Lineatones Shalos Bolonites	\mathbf{E}^{m}	Hineralized scress with grade of \$3 < 0 is
		Granediorites	2 E	Prospecting line
	OF 3	Biorites Syenite diorites Diorite polybarius	E - E	Incides and strippings
	EE-77	Ecrosantites	54.2	french profile
		Aplites		Drill Bules (alcome, dieureless, micorchess for mapping)
		Granodiurites		Britt bides (pione, 6 togeless, a litateless, for appoint)
		511:05		Projection of drill holes
		Proven geglogic boundary		D ಗ್ರಾಪಂ ಆ ನಾನಾಗ ಕ್ರೀ ನಿರುತ
		Disordant geologic boundary	in Co.	feta for reserve calculation Starca of the ore body. Starca-fills:
ı	EG	Fractures (a:proved.6:inferred)	en es à	(One reserves (tosses)
l	(ZZ)	Tectuale breacis	I: N	P Notal comment tames in 1862 E:Grade(1042
		Bedding		Brandary for resources of category Pa
]	[t_]	Anticlinal axis	\Diamond	Bendary of reserves of cotening Of
		Quertz schoelite stocknock		Parisage of Minimizer States
			Speciation too	ACVORANCE DEGGENERAL
l		[¥1:0"0(i
Į			Carrier Company	For the Read of The Parties

THE MINERA

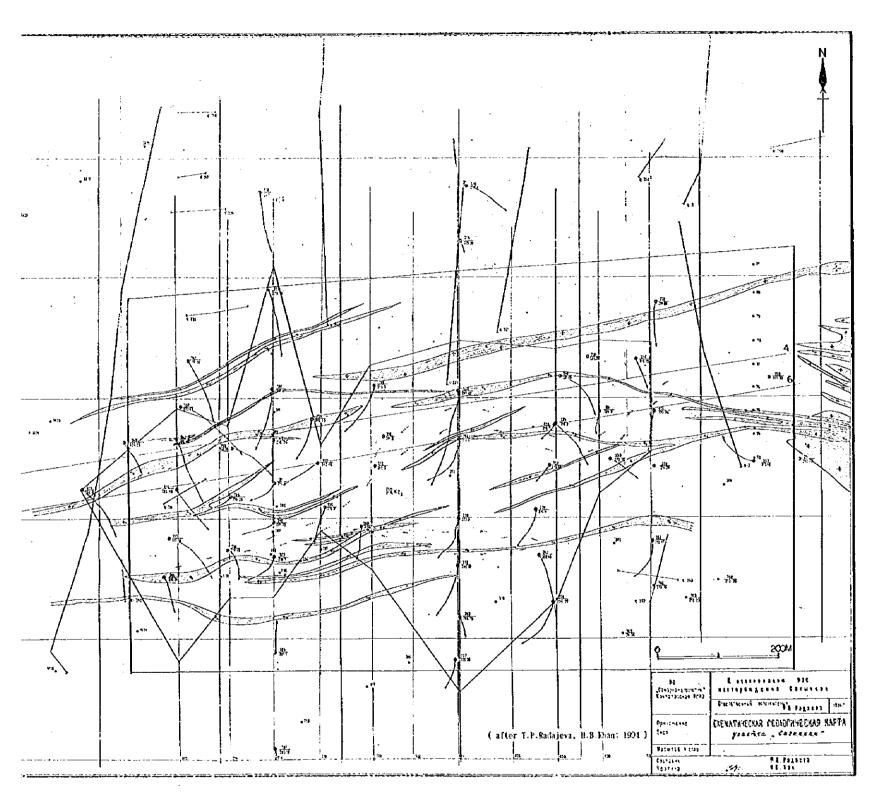
THE EASTERN
THE REPUBLI

SCHEMATIC GEOI SAGHINKAN DE



JAPAN INTERNATIONA METAL MINING FEBF

Prepa



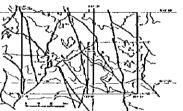
F		
1. Custernary Deposits	(- + -]	Smollinel exis
Gretacrous, Turonian stage: Green- Sandstines, Conglow-rates	ciass [<u>DZ</u>]	Ore Bodies. One intervations in the
Rikpates forestion: Wetavolcanic Limistones, Shafes, Bulgaites	a	Notice of Education of the Control of the Control of Education of Educ
Grandiarites	<u>[</u>]	Prospecting line
Diorites Syenite diorites Diorite porphyrius	医基理	Trenches and strippings
Tersantites	24.7	French produte
[F.F. Aplites	医恶	Drill holes (a:cure, 6:coreless, a:coreless for mapping)
₹ Granodiunites		Driff heles (atome, 6 torreless, a terreless for applied
Starns		Projection of drill holes
Propen geologic beundury		Bundary of eccentric of Galagory (2)
Diegrant gezelngie boendary	E.A.	fota for reserve calculation 5: area of the one budy. 6: grade(80.3)
Fractures (approved, 6 : interred	1) Landin	One reserves (Lorses)
Tectopic Breccia	1	P Note1 content(sezies la 1012 } C:Grade(1915) }
9+ddiat	$[\tau]$	Bendary for resources of category fo
- e Anticlinal acis	(725)	Burdary of reserves of extreme (2
Quarts scheelite stockwark	Speak up the literature (77)	S Recommend "Armong teatres Commences
: 	Spect-mak fapt	Условные пераначения в чарте в разразы т
	Yas-n	<u> </u>
	SK Shir Ding	A Degree

PL 11-1-5

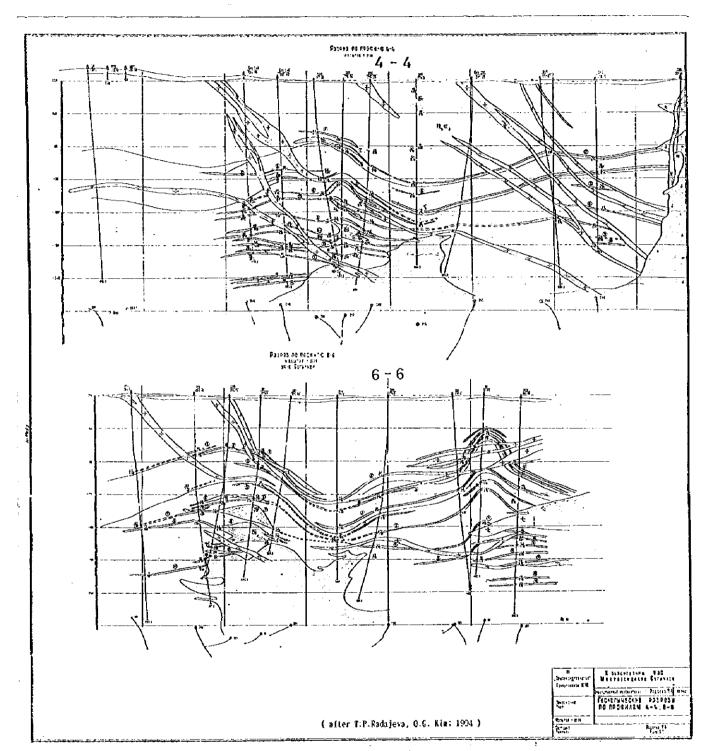
THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

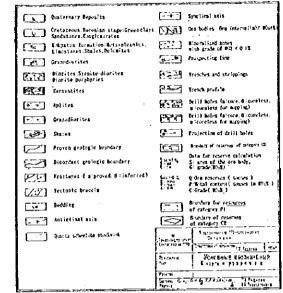
SCHEMATIC GEOLOGICAL MAP OF THE SAGHINKAN DEPOSITS





JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995





PL H-1-6

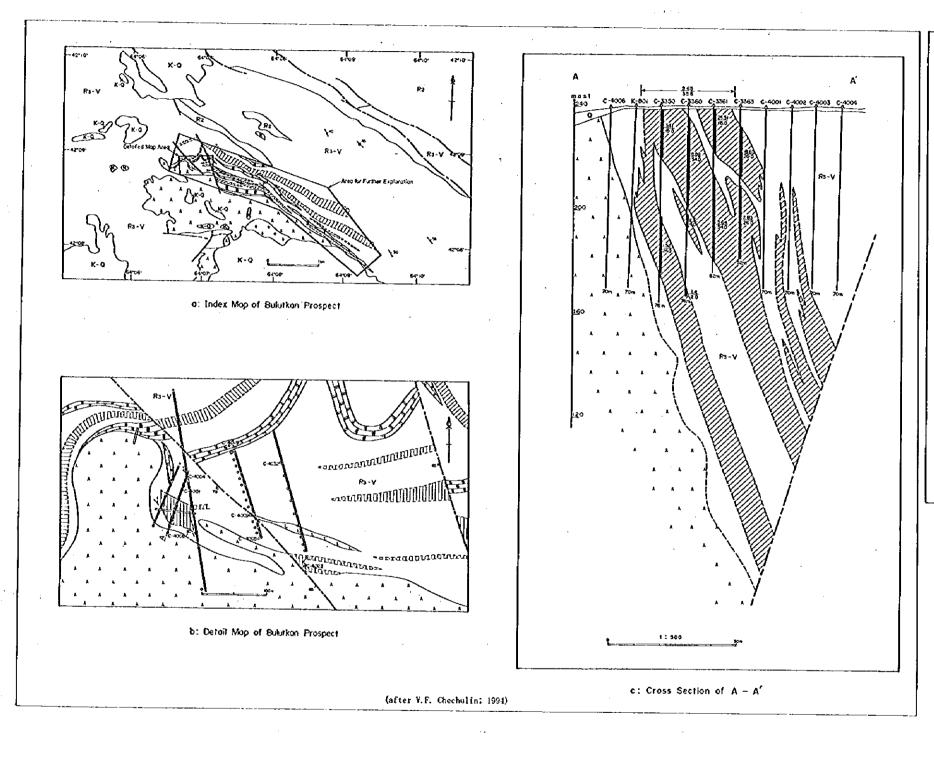
THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

GEOLOGICAL CROSS SECTIONS OF THE SAGHINKAN DEPOSITS





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995



THE MINERAL EXPLORATION IN
THE EASTERN BUKANTAU AREA THE REPUBLIC OF UZBEKISTAN (PHASE I)

SCHEMATIC GEOLOGICAL MAP AND CROSS SECTION OF THE BULUTKAN ORE SHOWING





JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995

Prepared by MINDECO

LEGEND

ROO Createrous or Quaternary sectionals

Rev Reduction formation surdivious, whiles quarter solvies

Extracted formation surdivious chies because it is production solvies or production solvies

Revealed formation solvies, personal solvies

grandicalities

grandicalities

grandicalities

and personal solvies

delife betalance core delified

4-4 cross section line

ļ

LEGEND Criscopa' (confidencies, allistopes, charges as the plan, 6 as the cross section of the plan, 6 as the cross section of the plan of the pl farty Fernian granite granedionite intrasives Includes, strippings Crandicité perhyries admétités prohyries, caste purhyries.

File production authorité de biotité grandicités ataellites grandicités ataellites grandicités ataellites grandicités ataellites grandicités ataellites grandici Bin core drill holes (alon the plan, 6 for the cross section) (after A.A.Rubanov:1901) Siticification and with quarts stocked to Quarts weins Birrogartaites, sisiteeus rock
a layers. 6 (interlayers, lentes
Quartaite like siliceus rocks PERSONAL PROPERTY OF THE PROPE (ate forulanit) dikes Prospecting evaluation area

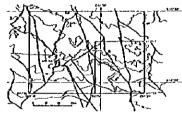
(//) distriction and their materia
Reserve category a Coff. 6 17. Granite Porphyries Granadiorite porptyries

Pl. II-1-8

THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE 1)

GEOLOGICAL MAP OF THE TURBAY ORE DEPOSITS





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

Prepared by MINDECO

4 ---

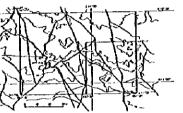
IE REREK RAHPOKSERA 31 - 31 LEGEND (Cretis consequences and attacks, charges as the place. Each the trans textion of the place of the trans textion of the place of the pl forty Permiso granite granediurite intrusives Zon core dritt holes (aron the plan, 6 ton the cross section) 1730 is cause unt hecrosomisems Vector Operative like afficense cods Герлогинеский разрез за Paulta (miproved, Cifelerred) Granite Purplycies (after V.A. Denejkin, R.A. Tatlov; 1993) Grandforite perphyries

PL II-1-9

THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

GEOLOGICAL CROSS SECTION OF THE TURBAY DEPOSITS





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

Prepared by MiNDECO

K F 2- F God gload Cross section of the Richard Explorer

1

LEGEND Hidds upon a aborquadivided sustances, confluentes gritatones, interfuence of siliceus rocks and timestone Richtership stage, lover Nestovskip substage: linestones with chert lenses linestance of the there is come.

Lives a where of of unclassified assistent and an instruction grained linestance.

Revealant additionages makers, and widely addited the three grained linestance with later layers of another and delbut lined therefore in the later layers of another and delbut lined therefore linestance in the later layers are increaserables, are later another layers in the later graph the question are incident chinester courts are later another court in white in the later layers are supported by the later layers are later another court in white layers.

Spensartites Kersantites Granodiorite porphyries Syeno-granodiorite porphyries Diorites(Syemo-diorites) Diotitic porphycles, quartz diocitic perphyries Basaits (Listvenites, Birberites) ___ Quartz Fractured and hydrothermally altered ore zones Faults attraced, 6:inferred Okjetpes anticlinal axis 's Bedding Nineralized Zone [] Silver Ore Bodies [] Gold Dre Bodies - Прогосический градова па линии Я.А. Executive Property of Services Constitution of (after A.S.Aristov, 1982)

PL H-1-10

THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

SCHEMATIC GEOLOGICAL MAP OF THE OKJETPES ORE FIELD





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

LEGEND to constraint through the property of the prop Section 123 WC was the state of Straing is break not stone t Geologie bestärt (affernet) BASS from the part of the but in it risks to program and a second and Number of entarties one Fig. Session Mary land at the property actor gradies to be between the between the between the best and the between the transfer to Thursday and their saders ferentites Francis of a trench and the Guiter the Black for process activities. the resorver file Softer auctivit (1) Softer puch that Erandierite pageyries Lo'ontim shit nave Seeme grund wite porph (25) deplyration shall makes and extraction Barrier of motorwed unitys Connect Spine despites 3 W Squard emess, sowiete fire hearing websites Assissifering sense breach Projection of molecurous with ingo Transplant of where word with ing the wind of the word tom breiten wiede bebrieb gebieben to be beringe wielle bebrieben gebieben III Sales water Albeit or of calculation of the Lice of hydrody maily dis Because Procine content in the blocklets

Lower Substant matter content on the block(t)

Lower Substant grade of mattering public contents

Average grade of mattering public contents Sitentication [] Gere de ilt belen Terreg wientige Salidation | Salid (iii) (in kiithin triff hile naber forther elevation frequenting time Friction tries Ferr is From From A 18 a 27 E a

Statistic SCORNEGE

E 1996-100 Broad a 28 C

stay of A Mage

Lance W Treine treetis Trend untermater ieteraftet sieber (g't) [17] Beritermitt dered an Con sample mater, intervallat. ZZ Swit (a transf. 6) with Em leabons [

THE MINERAL EXPLORATION IN

PL #-1-11

THE EASTERN BUKANTAU AREA THE REPUBLIC OF UZBEKISTAN (PHASE I)

GEOLOGICAL MAP OF THE OKJETPES DEPOSITS

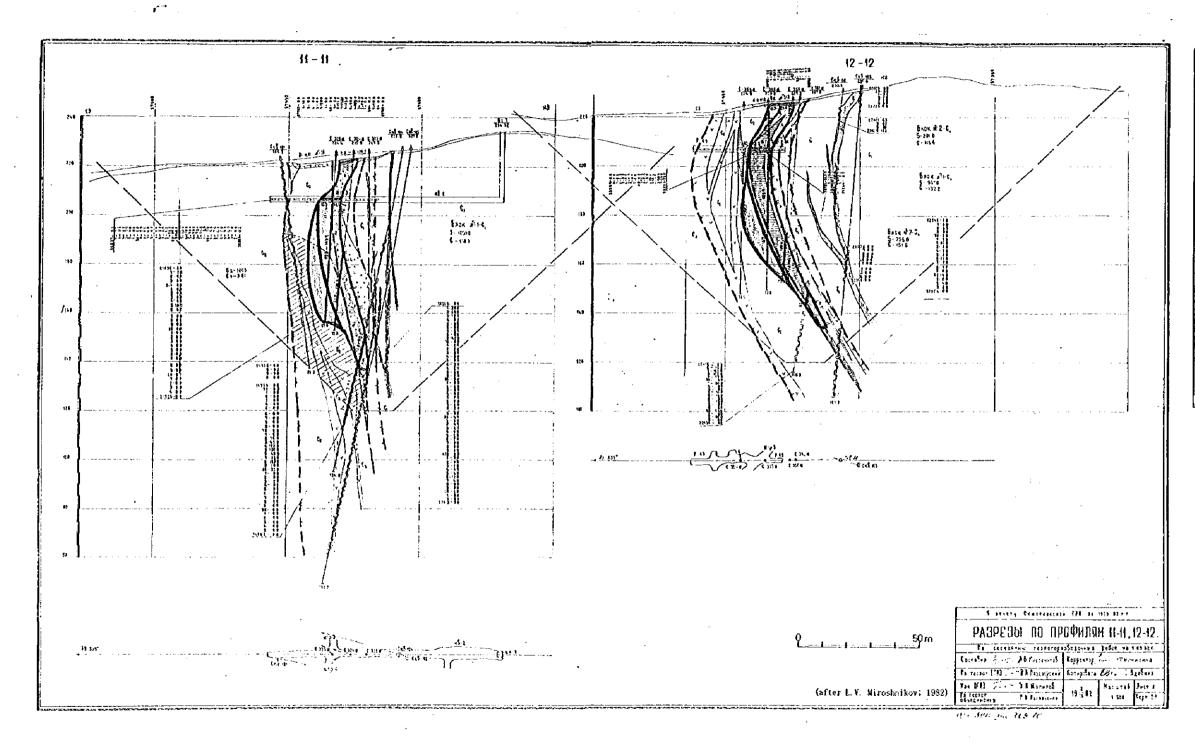




JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995

Prepared by MINDECO

TO BE BE SENT AS INCHES OF THE MENTION AS INCHES



LEGEND for cross sections
the lateralist's eleverity
for a construction of the construction o Sectional sales describes maniferances subsets

for a comparison

for a comparison Securities

Securities

Securities

Securities

Securities

Securities the control of things maker the letters of a letters of a series of the letters of a series of the series of the letters of th Control terretites $\left\{ \sum_{i=0}^{N} a_{i} \right\}$. Then be a put their scatters. Franchische pergépres Ore black for reserve catalastics Sychological distribution polyhycles ficiaration photo mater (a) dispersion of subsequent artificial from the first grade (and the pictures of subsequent artificial for the first grade (and first grade)). Diarited from Earlie ? Marie and a section Emperium at misriprod and no.

| Princip at misriprod and no. Bearing terrupians broads have hear of poles haring architics. (are though selling saling probable Core dill bare mater Softer and all (C) tobiletorius 2 cm of 2/2 the suffr indented (1) for 2 till bile natur Pyrica content in the Block(1)
Remove Suffide maller content in the Block(1)
Selection of the Selection of t for justimes of drift below meter Sillertestin fare & Li betes ferabistis. Saldidfeation (4 poilte + 20, & poilte + 2.1 b Cat. | Sein Gill Beim Beill bie meber faller einet im [25,-4] Inducates Properties from of Decis | 1 Description of the control of th tierd seg binater, lateralis) Philip terroir berein Examinating after one area as a large of the supple a sterilater of a large of the supple a sterilater of a large of the supple as the supple ZZ Felt (1 took 41 stook) Mushood with

5 strung Cemmruercesi 214 au tifbilber

LEGEND For coord sections in the coordinate of the coor Special arts Country or any bid can page technique Configuration (clear) consists in all of two two parties and the parties of the parties MAN Secretary of a factor and a factor of the factor of the factor of the factor and the factor of t (2) Securites S & Bedring lersatives. free dea and their authors Countries suppose Colife of a treat and the table . die bisch for morror mirelation Bre muches (t) Silver quital (t) Silver grade (g/l) Some grand with parallels (* kd.) Coloration Sufficients Biaritest Spine d'or teg) Foliation of a Striptock subtrap [AB] Extrestin shelt under and elevatin Open get continues () surface, d -bate a créaches) Durast alveira, 6 in stock Quite ferragiones beccis Fragetting of independent up up has been pette burg unbellen Gris delle nader
Galler eteration
for delle hale nader
for delle hale nader
forter delle hale nader [H] Salar evoluty 🔼 Today for mi kiril L Perite content to the block(f)

Set Set(fide editor equiver in the block(f)

Average grade of set force settler content Registries of Automote one series Sittitionia Gre de ild bates faringfalenten [id.] Fare driffs letter Mary Maritt bale mater. [E] faceress [.T] Feeds Prospecting time Servery Branches (Mar Rh Sec Years) Western Servery (Mar Rh Servery Servery (Mar Rh Server bet nie bereitn Zon Tresh supplemente describital Rid iffermally altered see proces to The Commence of State counter (accounter). Fach Ca Crared, C. letternet 1 Deficient on

Pl. B-1-12

THE MINERAL EXPLORATION

IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

GEOLOGICAL CROSS SECTION OF THE OKJETPES ORE DEPOSITS





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

Prepared by MINDECO

_1___1___50m

(after L. V. Miroshnikov: 1982)

ชี#84 พื2-6. 5-2318 ¢- 856

РАЗРЕЗЫ ПО ПРОФИЛЯМ И-И, 12-12.

Do tecesimie reprocepantizionen feler na canacional lacendes de la Addinacional lapportugues Theoriena to another. Minageni tropica the Agino to 180 - Minageni

11's 300 per 315 10

q Quinny Mines 配图 Carbanille on Secretary Carboritani, dala E 3 embenodeb A species ears wis busing soul fractional bonder

fractional bond

frac E managa Estimated and a most submitted PL. 11-1-13

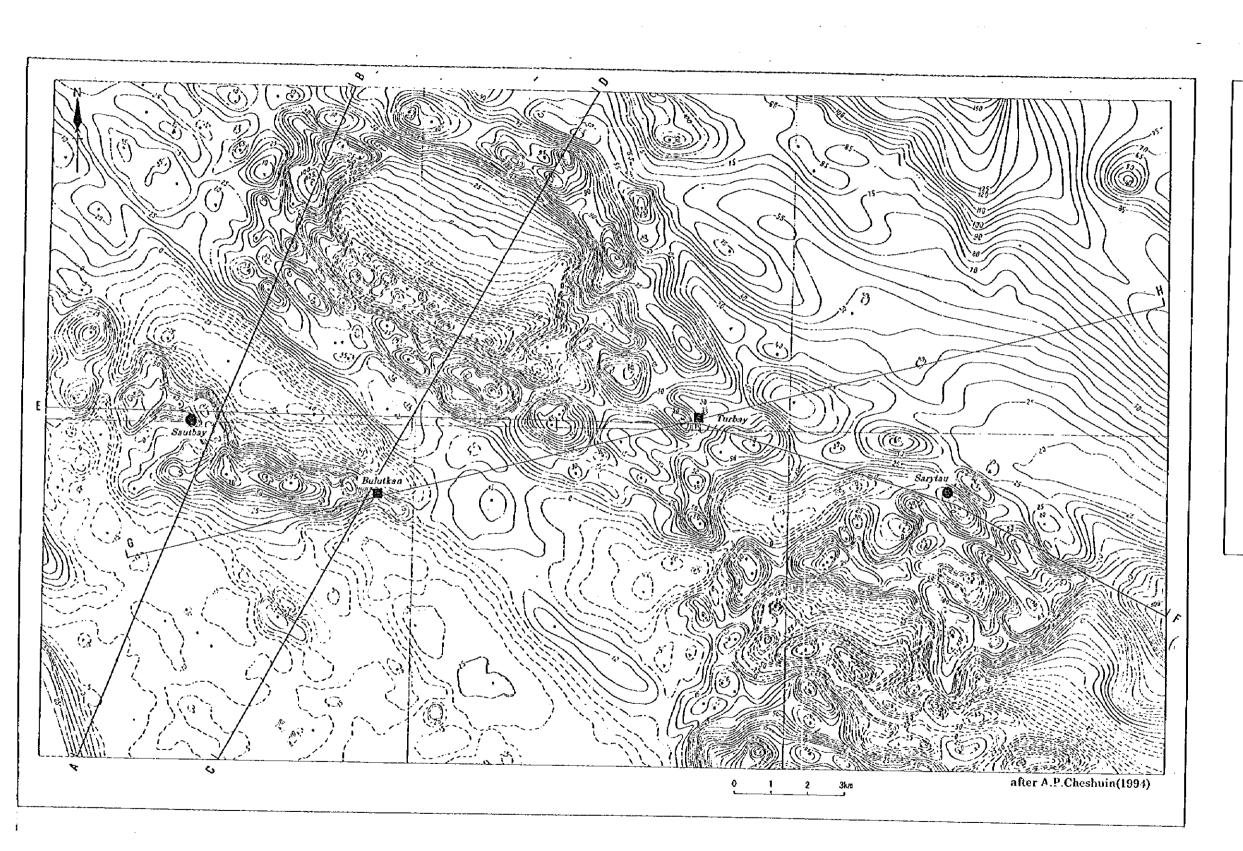
THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

GEOLOGIAL MAP AND CROSS SECTION OF THE BARHANNY ORE SHOWING





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

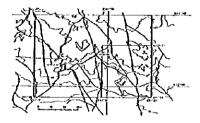


PL. II-2-1

THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

TOTAL MAGNETIC ANOMALY MAP





JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995

Prepared by MINDECO

Legend

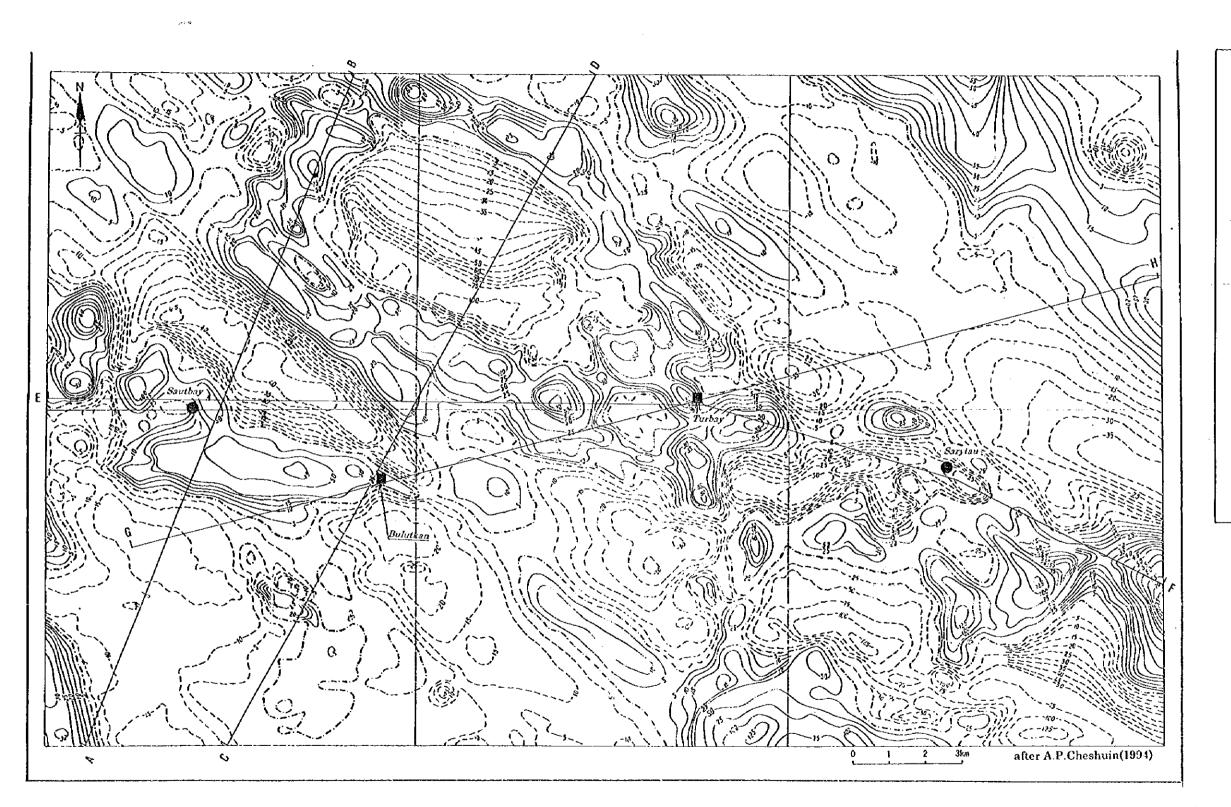
__ 100 __ solid line : positive anomaly

-- 100 -- dashed line : negative anomaly

unit:nT

A B geophysical-geological section

ore deposits and ore showing



PL. 11-2-2

THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

LOCAL MAGNETIC ANOMALY MAP





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

Prepared by MiNDECO

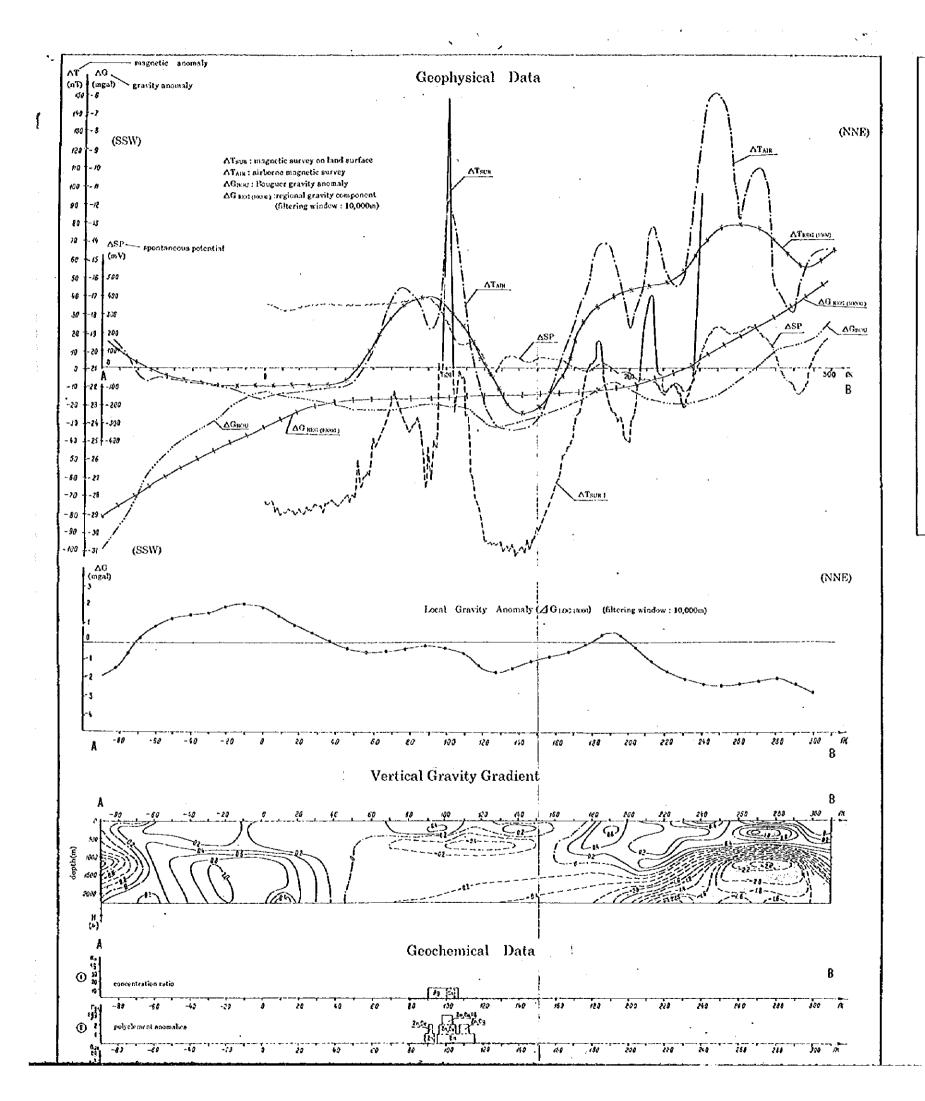
Legend

solid line: positive anomaly
dashed line: negative anomaly

(filtered wavelength 10,000m)

B geophysical-geological section

ore deposits and ore showing

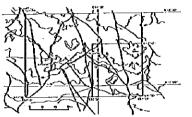


PJ., 11-2-3

THE MINERAL EXPLORATION THE EASTERN BUKANTAU AREA THE REPUBLIC OF UZBEKISTAN (PHASE 1)

GEOPHYSICAL - GEOLOGICAL SECTION A-B





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

Prepared by MINDECO

Legend



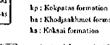
granitoid intrusive rock

- solid line; inferred from gravity modeling
- dushed line: prospective border
- 0.1, 0.05: density contrast in g/cm2, against to country rock(2.67g/cm3)

km: Kumbulak formation

ke : Karashakh formation

ba: Khodjaakhmet formation



contact with granitoid intrusive rock (according to geophysical data, and hydrothermal metasomatic changes of rocks)

a: close contact b: middle contact

5: with mineral associations including sulfide



dislocations with break in continuty a: known(solid line) inferred (dashed line) δ, β: enriched zone of magnetic minerals) (8: including sulfide)



location of ore field and prospective area



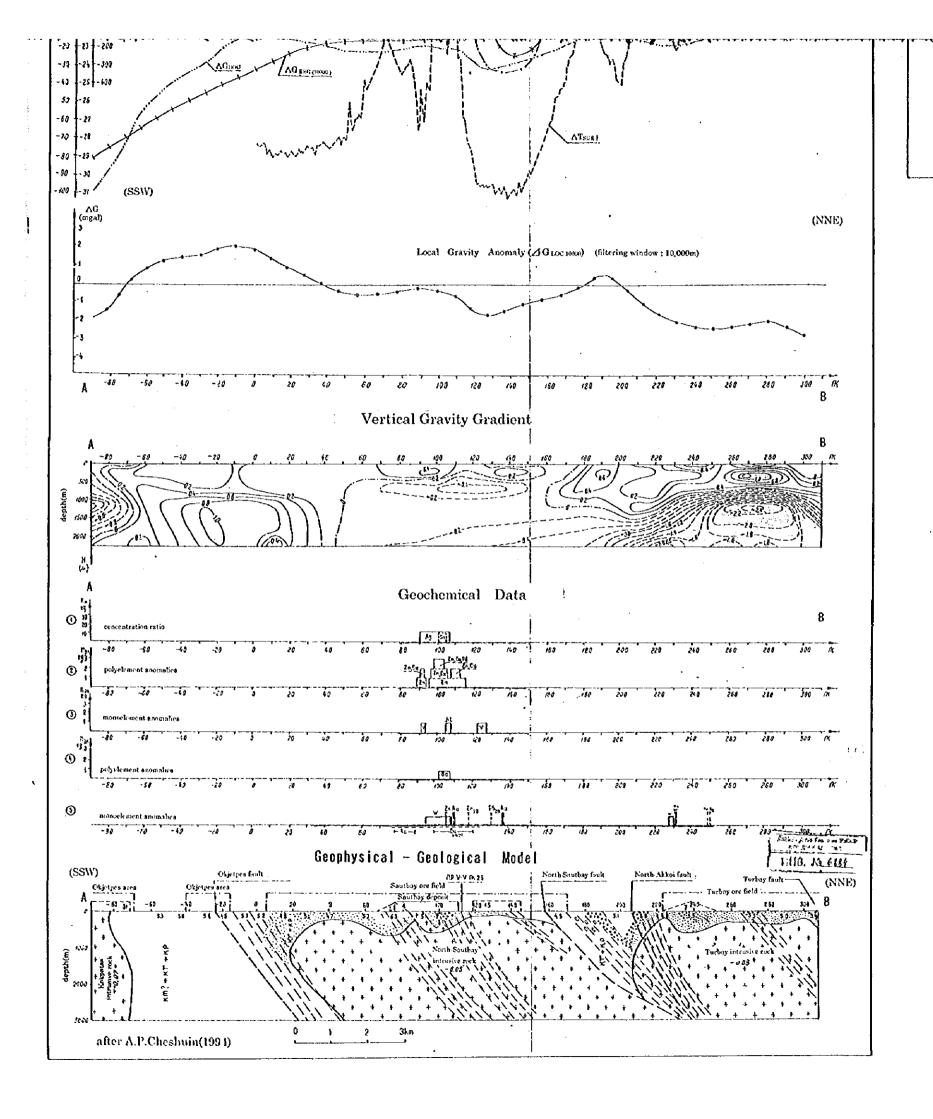
drilling data drill hole and its % density (g/cm³)

magnetic susceptibility (x103 SI) longitudonal wave velocity (tm/sec)

according to seismic prospecting



magnetic susceptibility (x10% cgs/cm3) derived from magnetic modeling





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

Prepared by MINDECO

Legend



granitoid intrusive rock

- solid line : inferred from gravity modeling
- dashed line; prospective border
- -0.1,-0.05: density contrast in g/cm3, against to country rock(2.67g/cm³)



km: Kumbulak formation

- kr : Karashakh formation
- kp : Kokpatas formation ha: Khadjaakhmet formetion
- ks : Koksai formation



contact with granitoid intrusive rock (secording to geophysical data, and hydrothermal

- metasomatic changes of rocks)
- a: close contact | b: middle contact 5: with mineral essociations including sulfide

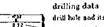


dislocations with break in continuty

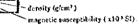
- a : known(solid line) inferred (dashed line) δ, β; enriched zone of magnetic minerals)
- (#: including sulfide)



location of ore field and prospective area



drill hate and its Na

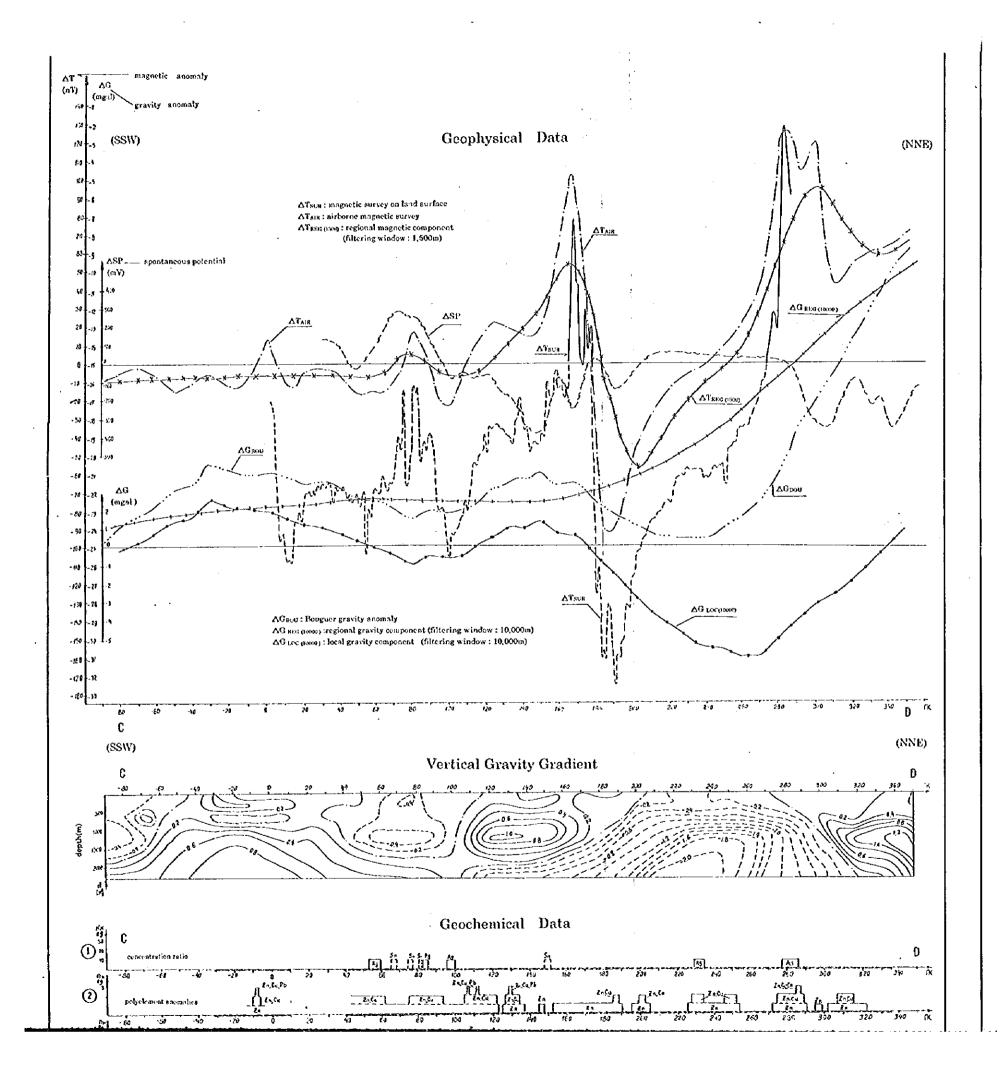




longitudinal wave velocity (km/sec) according to seismic prospecting



magnetic susceptibility (x104 cgs/cm3) derived from magnetic modeling



Pl., 11-2-4

ری

THE MINERAL EXPLORATION

IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

GEOPHYSICAL - GEOLOGICAL SECTION C - D





JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995

Prepared by MINDECO

Legend



granitoid intrusive rock

- solid line : inferred from gravity modeling
- dashed line : prospective border
 -0.1,-0.05 : density contrast in g/cm³,
- against to country rock(2 67g/cm³)

iante igaka km: Kumbulak formation

kr: Karashakh formation

kp : Kokpatas formation ha : Khodjaakhmet formation

ks : Koksai formation



contact with granitoid intrusive rock faccording to geophysical data, and hydrathermal

metasometic changes of rocks)

E. close contact hi middle contact

8; with mineral associations including sulfide



dislocations with break in continuty

a:known(solid line) inferred (dashed line)

8.8: enriched zone of magnetic minerals)

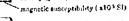
(8: including sulfide)



location of ore field and prospective erea



drilling data drill hole and its % ~density (gicm³)

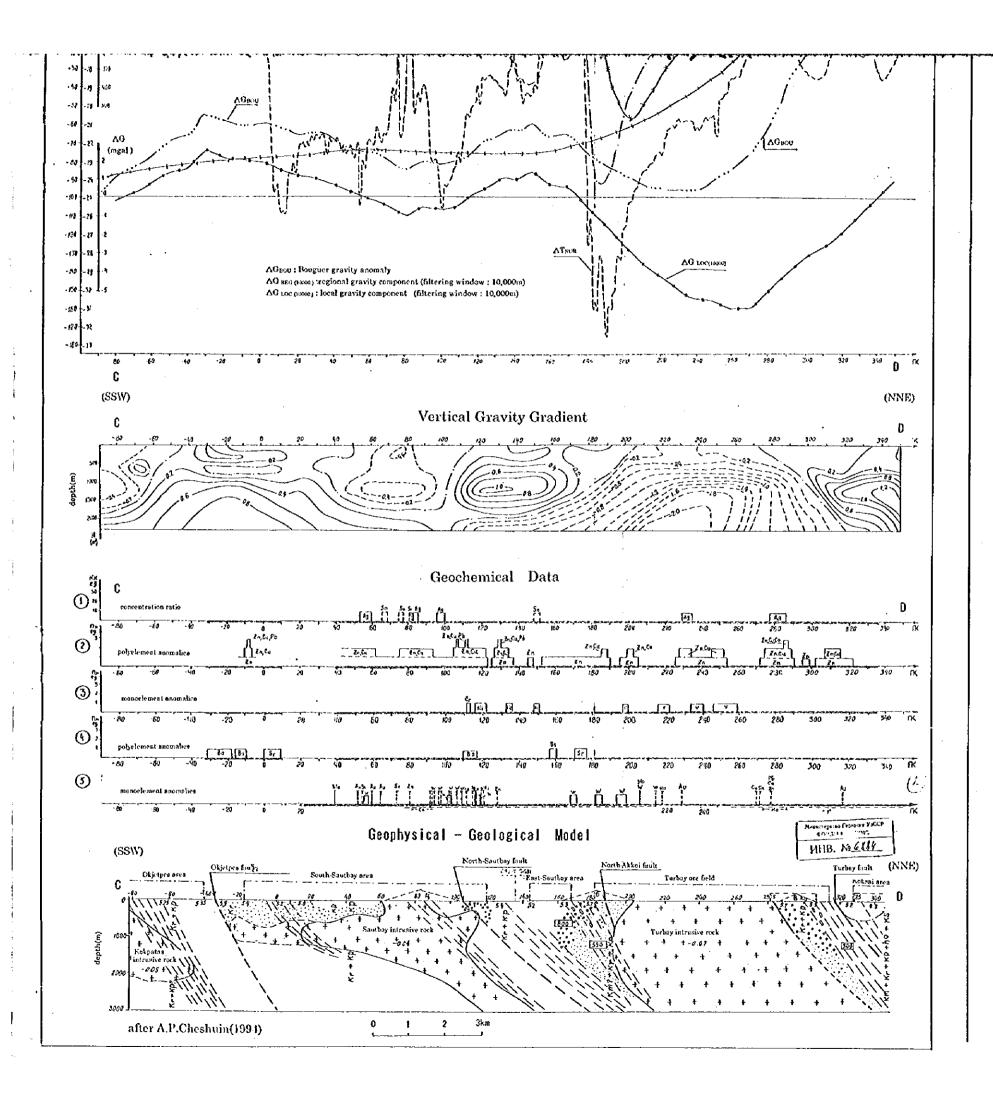


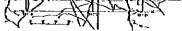


longitudinal wave velocity (km/sec)
secording to seismic prospecting



magnetic susceptibility ($x10^4 \, \text{rgs/cm}^4$)





JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995

Prepared by MINDECO

Legend



granitoid intrusive rock
solid time: inferred from gravity modeling
dashed line: prospective border
- 0.1, 0.05; density controst in gicm³,
sgainst to country rock(2.67gicm³)



km: Kumbulak formation kr: Karashakh formation kp: Kokpetas formation ha: Khodpankhmet formation ks: Koksai formation



contact with granifold intrusive rock
(according to geophysical data, and hydrothermal
metasometic changes of rocks)
a: close contact b: middle contact
5: with mineral associations including sulfide



dislocations with break in continuty

a:known(solid line) inferred (dashed line)

5.6:enriched zone of magnetic minerals)

(6:including sulfide)



location of ore field and prospective area



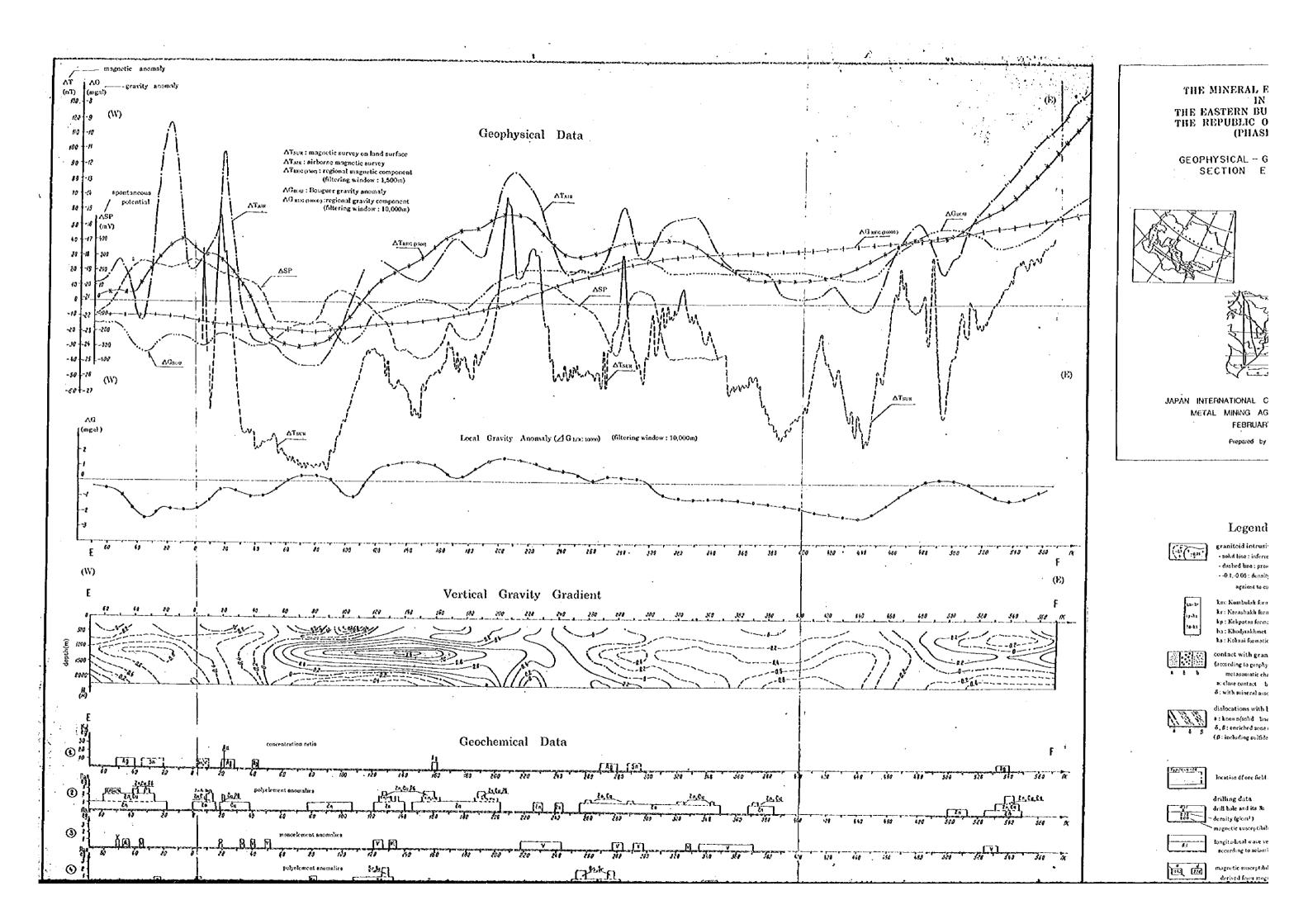
drill hale and its % —density (g/cm³) —magnotic susceptibility (x10° SI)

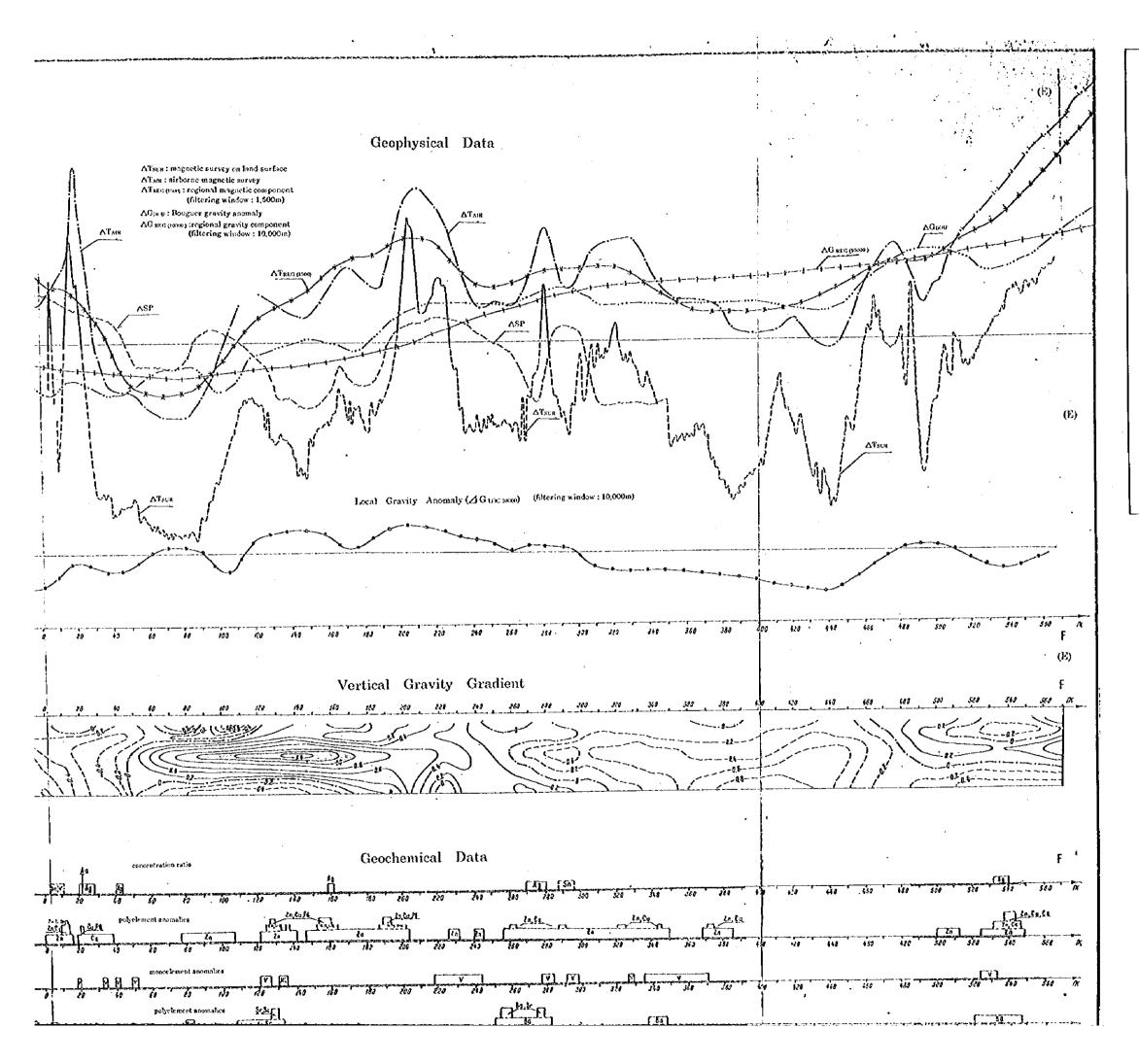


longitudinal wave velocity (kn/sec)



magnetic susceptibility (x10⁻⁴ cgs/cm³) derived from magnetic modeling





PL H-2-5

THE MINERAL EXPLORATION

THE EASTERN BUKANTAU AREA THE REPUBLIC OF UZBEKISTAN (PHASE I)

GEOPHYSICAL - GEOLOGICAL SECTION E-F





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

Prepared by MINDECO

Legend



- granitoid intrusive rock - solid line : inferred from gravity modeling
- dashed line : prospective border = -0.1, -0.05 : density contrast in g/cm^3 .
- against to country rock(2.67g/cm²)



km: Kumbulak formation kr : Karashakh formation

kp : Kokpatas formation he: Khodiaakhmet formation ks : Koksai formation



contact with granitoid intrusive rock (according to geophysical data, and hydrothermal metasomatic changes of rocks)

a: close contact b: middle contact δ: with mineral associations including sulfide



dislocations with break in continuty

a : known(solid line) inferred (dashed line) 5, 6: enriched zone of magnetic minerals) (B: including sulfide)



location of ore field and prospective area



drilling data drill hole and its %



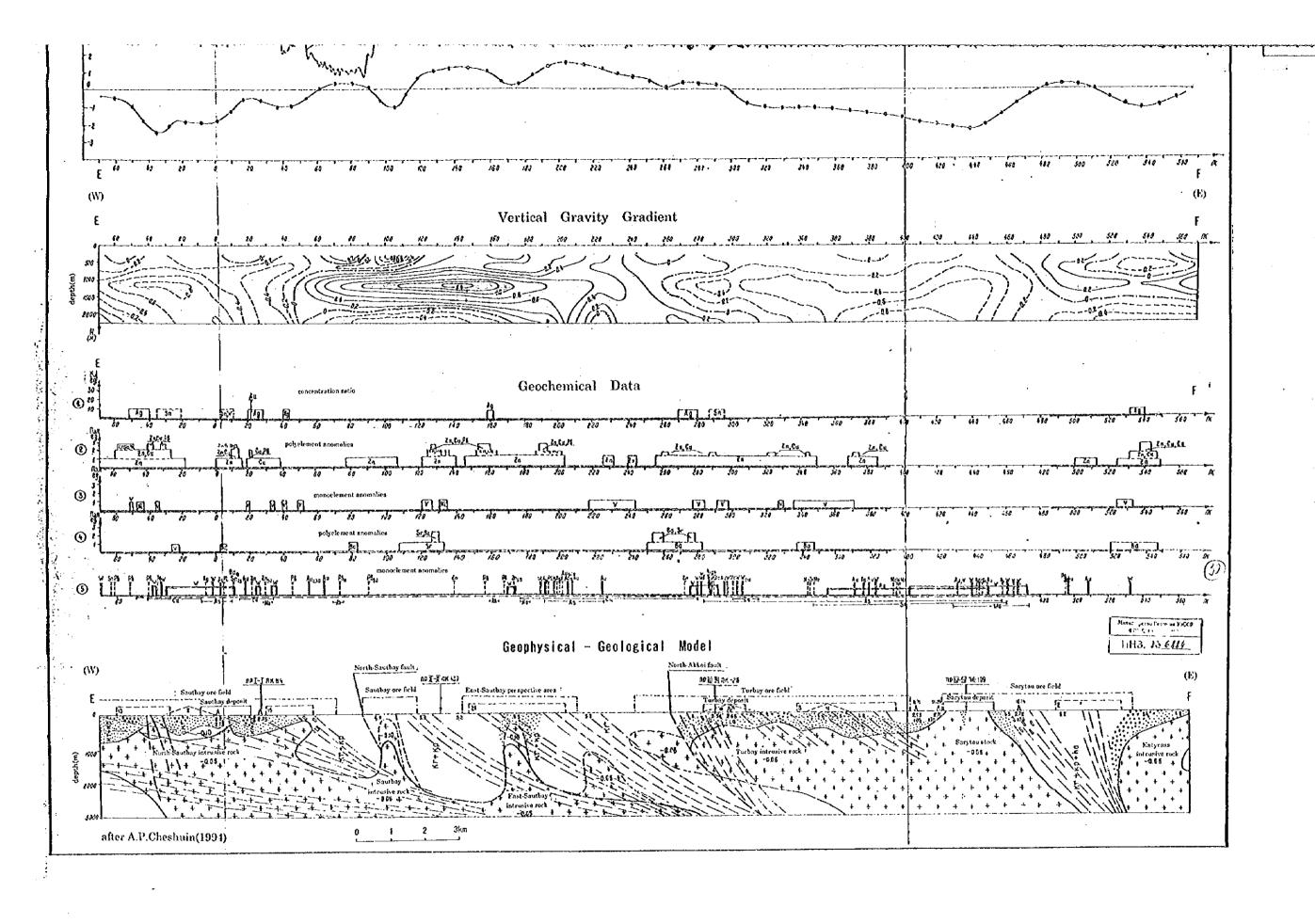
density (g/cm²) (12 * 01x) ytdidibipesse avagem



longitudinal wave velocity (km/sec) according to seismic prospecting



magnetic susceptibility ($x10^4 \, \text{rgs}'\epsilon m^4$) derived from magnetic modeling



Legend



granitoid intrusi - solid line; infers - dashed line : pro: - -0.1,-0.05 ; densit



km: Kumbulak fort kr : Karashakh fori kp : Kokpetas form ha: Khodjaakhmet ka : Koksai formati

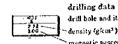


contact with gran metasomatic ch at close contact 8; with mineral as:



dislocations with a: known(solid lie 5,8: enriched zone (3 : including sulfid



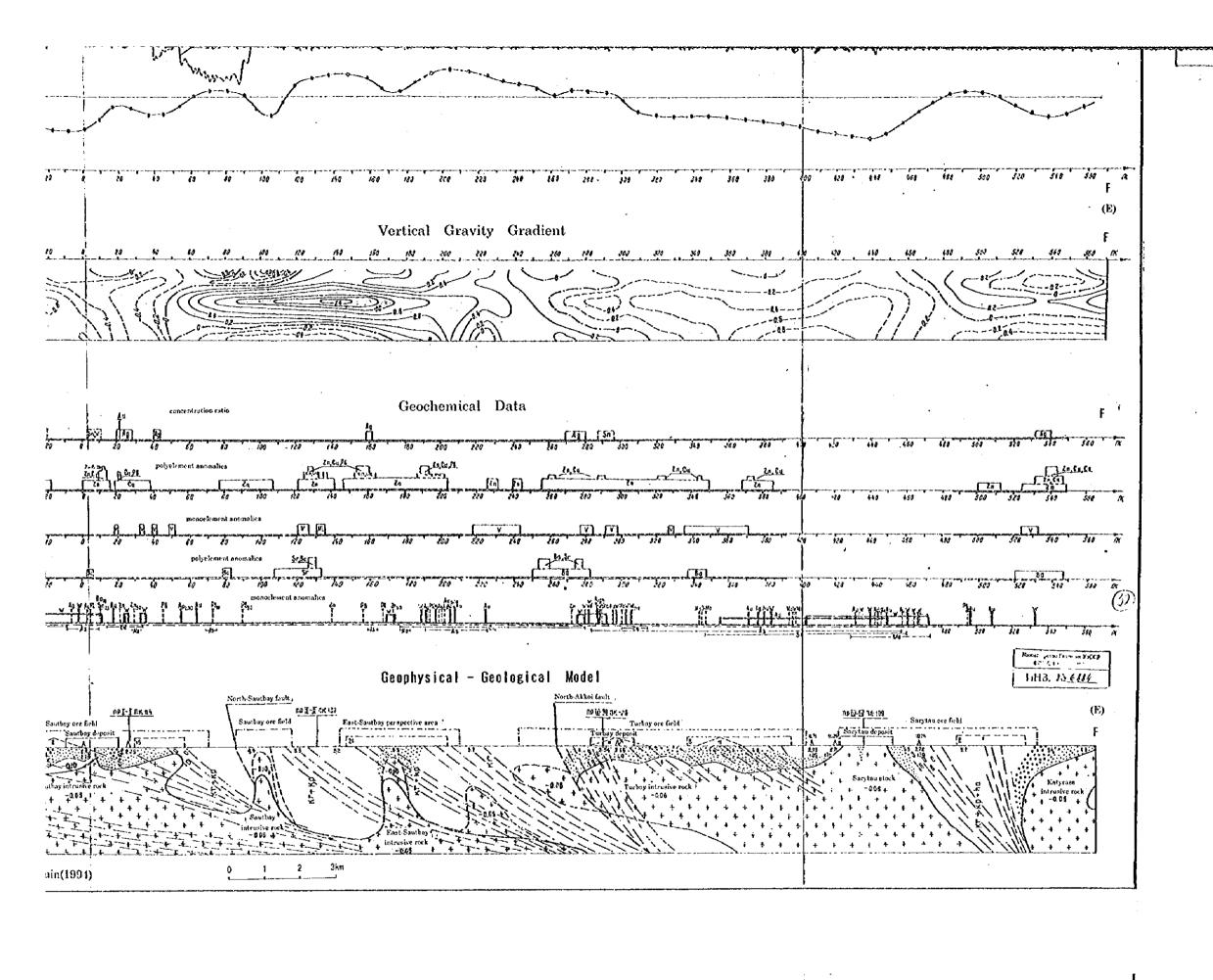


-density (g/cm²)





magnetic susceptil derived from ma



Legend



granitoid intrusive rock

- solid line : inferred from gravity modeling - dashed line ; prospective border
- 0.1, 0.05; density contrast in g/cm³,
- against to country tock(2 67g/cm3)



km: Kumbulak formation kr: Karashakh formetion

- kp: Kokpatas formation
- ha : Khodjaakhmet formotion
- ks: Koksai formation



contact with granitoid intrusive rock (according to geophysical data, and hydrothermal

- metasomatic changes of rocks) a: close contact b: middle contact
- 5: with mineral associations including sulfide



dislocations with break in continuty a: known(solid line) inferred (dashed line)

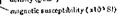
5. d: enriched zone of magnetic minerals) a: known(solid line) inferred (dashed line)



location of ore field and prospective erea



drilling data drill hole and its #2 -density (g/cm³)





longitudinal wave velocity (km/sec) according to seismic prospecting



magnetic susceptibility (x10 egs/cm²) derived from magnetic modeling

PL H-3-1(1)

LEVEL +180m $0.4 \sim 0.5$ $0.3 \sim 0.4$ $3.2 \sim 0.3$ $0.1 \sim 0.2$ $05 \sim 0.1$

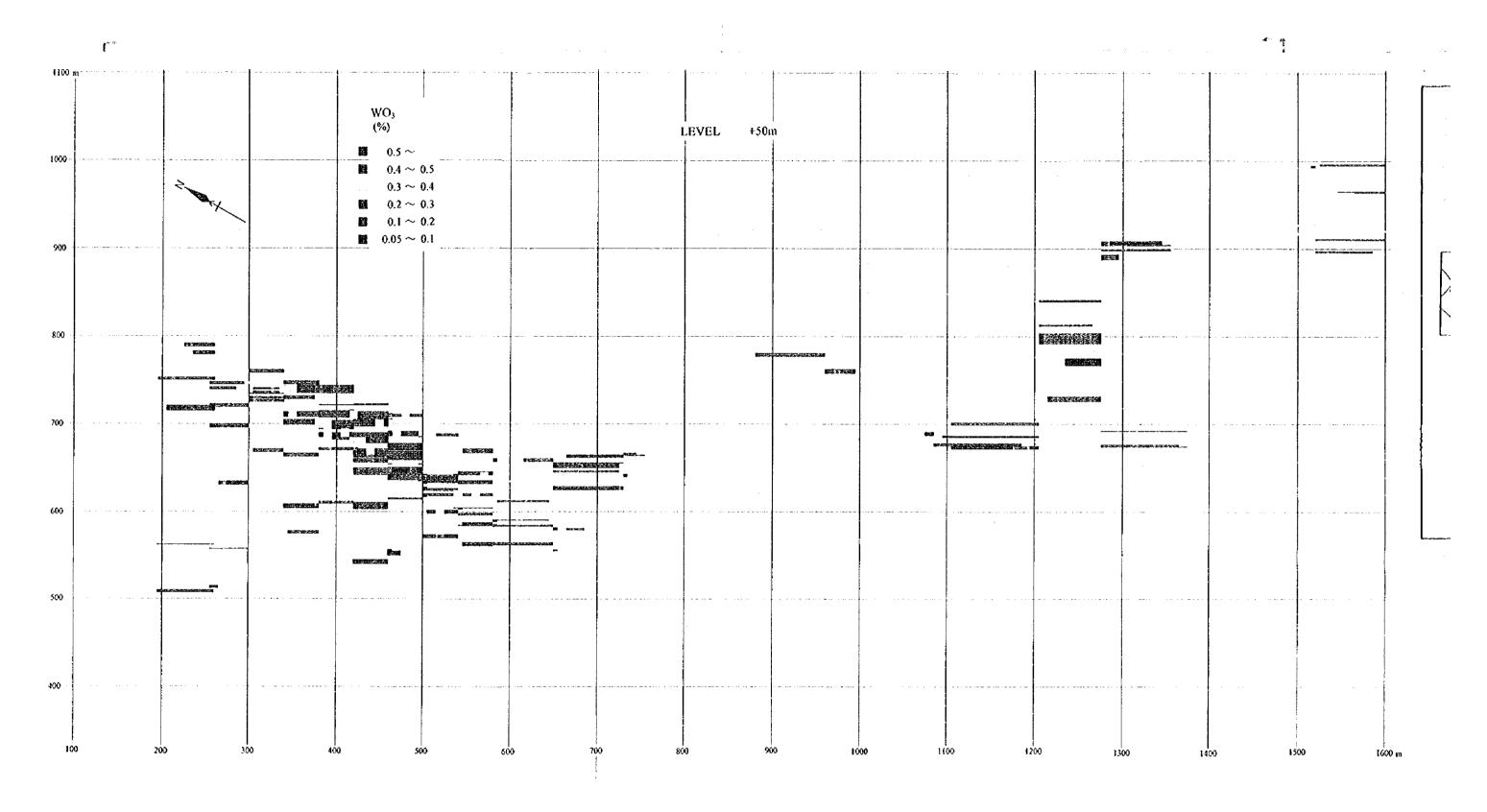
THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE 1)

ESTIMATED GRADES OF WO3 AT THE LEVEL OF + 180 m

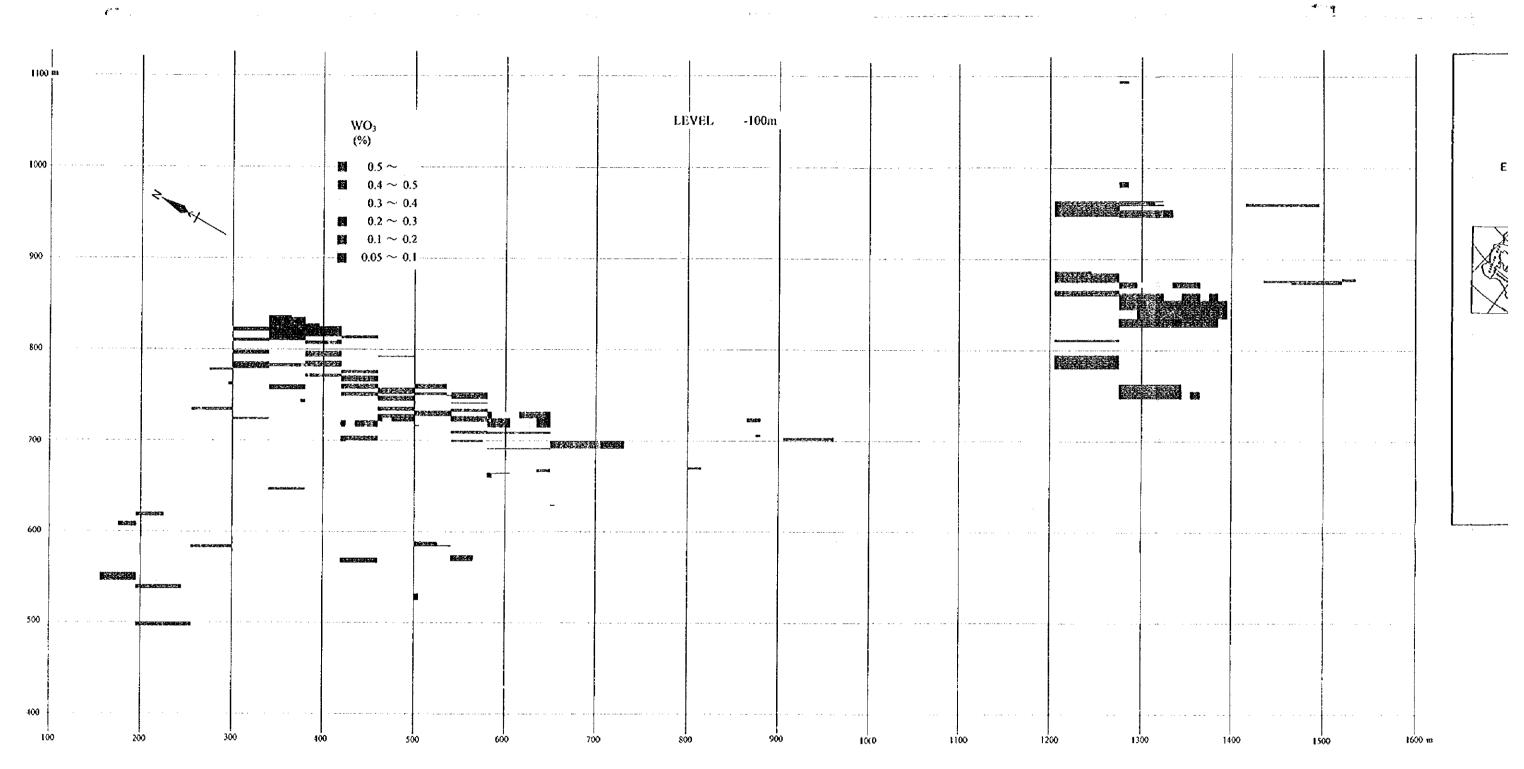




JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995



... PL 31-3-1(2) WO_3 THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I) (%) LEVEL +50m $0.3 \sim 0.4$ ESTIMATED GRADES OF WO3 AT THE $0.2 \sim 0.3$ LEVEL OF + 50m $0.1 \sim 0.2$ **1.** 0.05 ∼ 0.1 JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995 Prepared by MINDECO 1200



P], H-3-1(3)

LEVEL -100m WO₃ (%) $0.3 \sim 0.4$ $0.2 \sim 0.3$ $0.1 \sim 0.2$ $0.05 \sim 0.1$ 1500 1600 m

THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE 1)

ESTIMATED GRADES OF WO3 AT THE

LEVEL OF - 100m

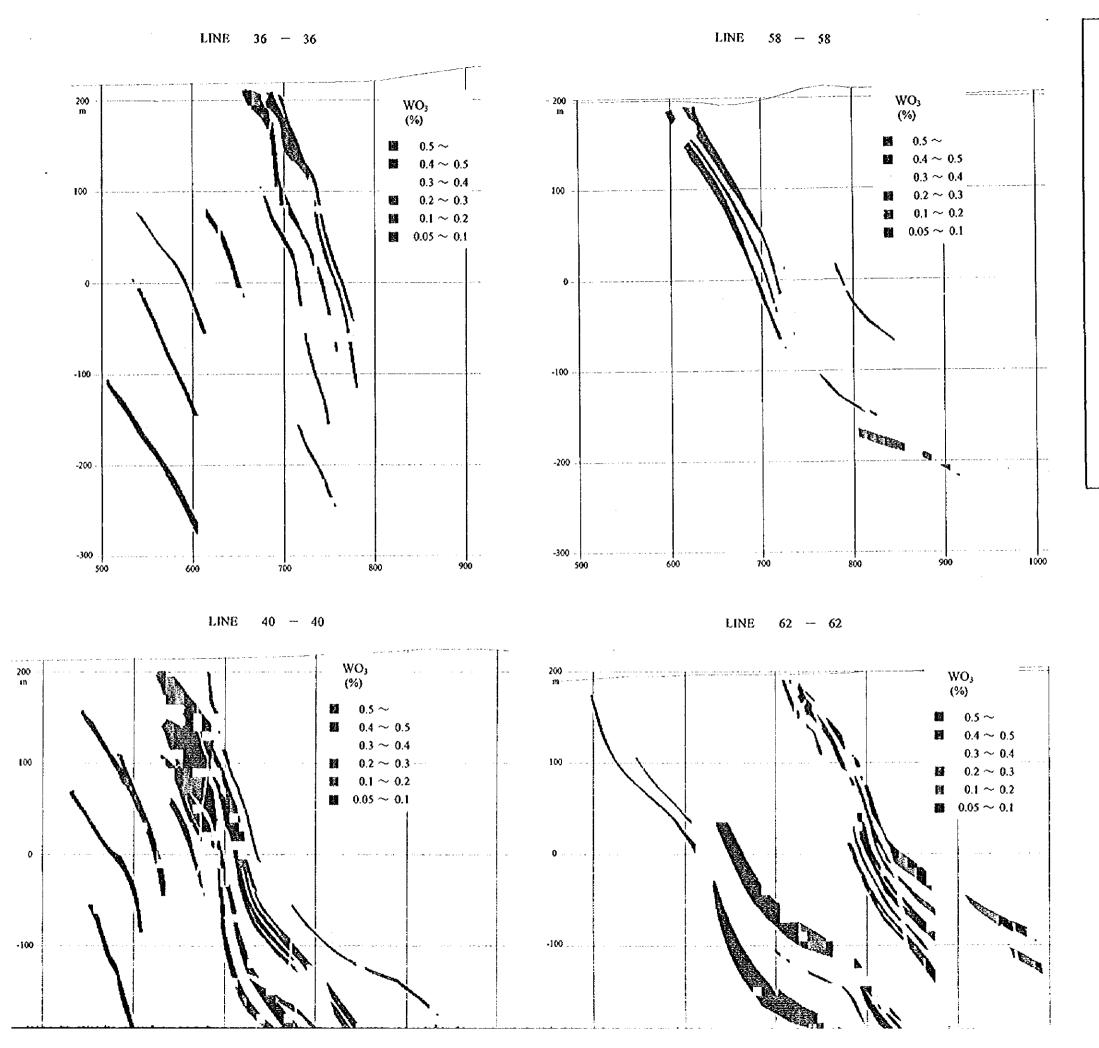




JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995

Propared by MINDEOO

•



Pl. II-3-2

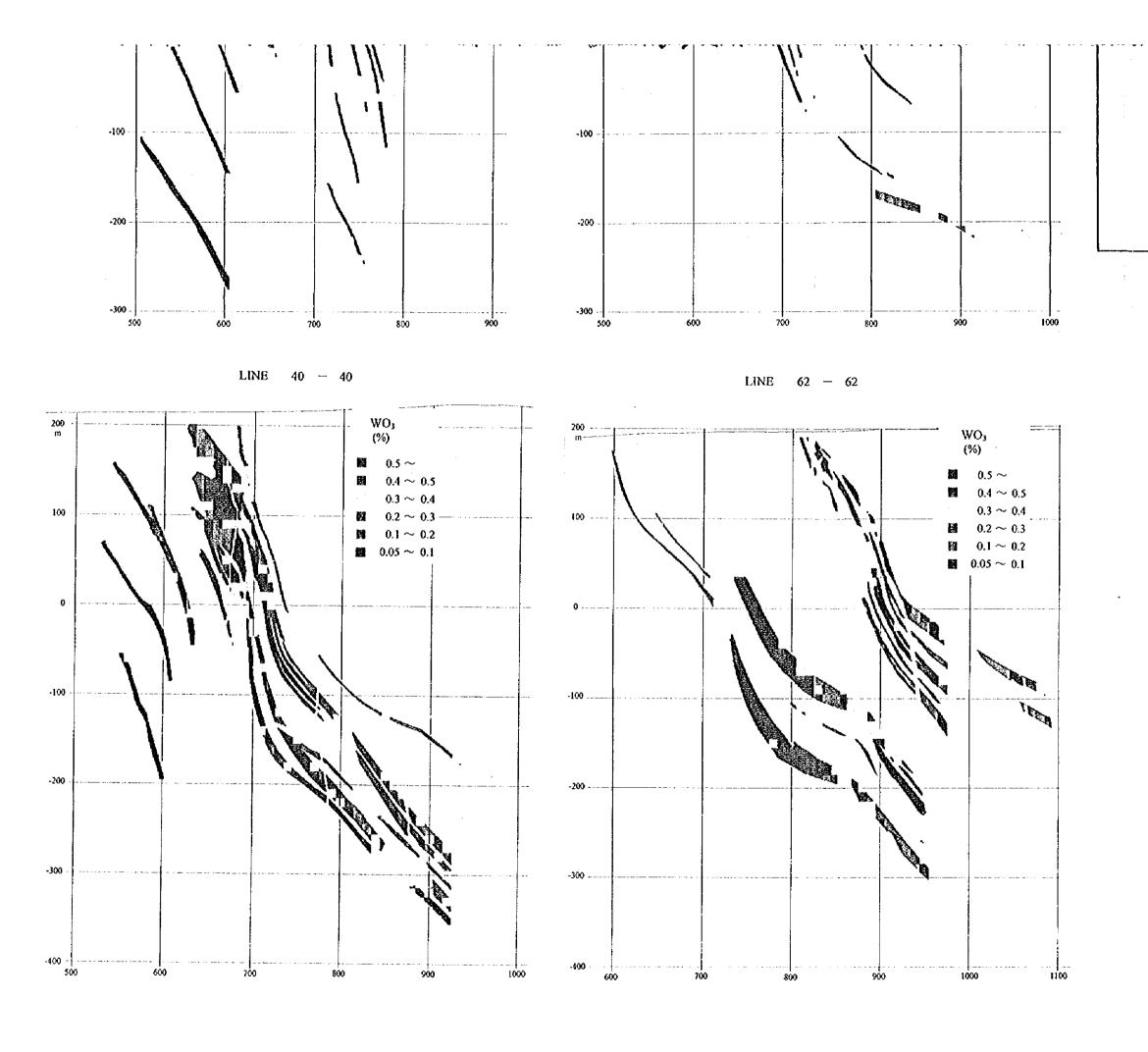
THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

ESTIMATED GRADES OF WO3 ALONG LINE 36-36, 40-40, 58-58, 62-62



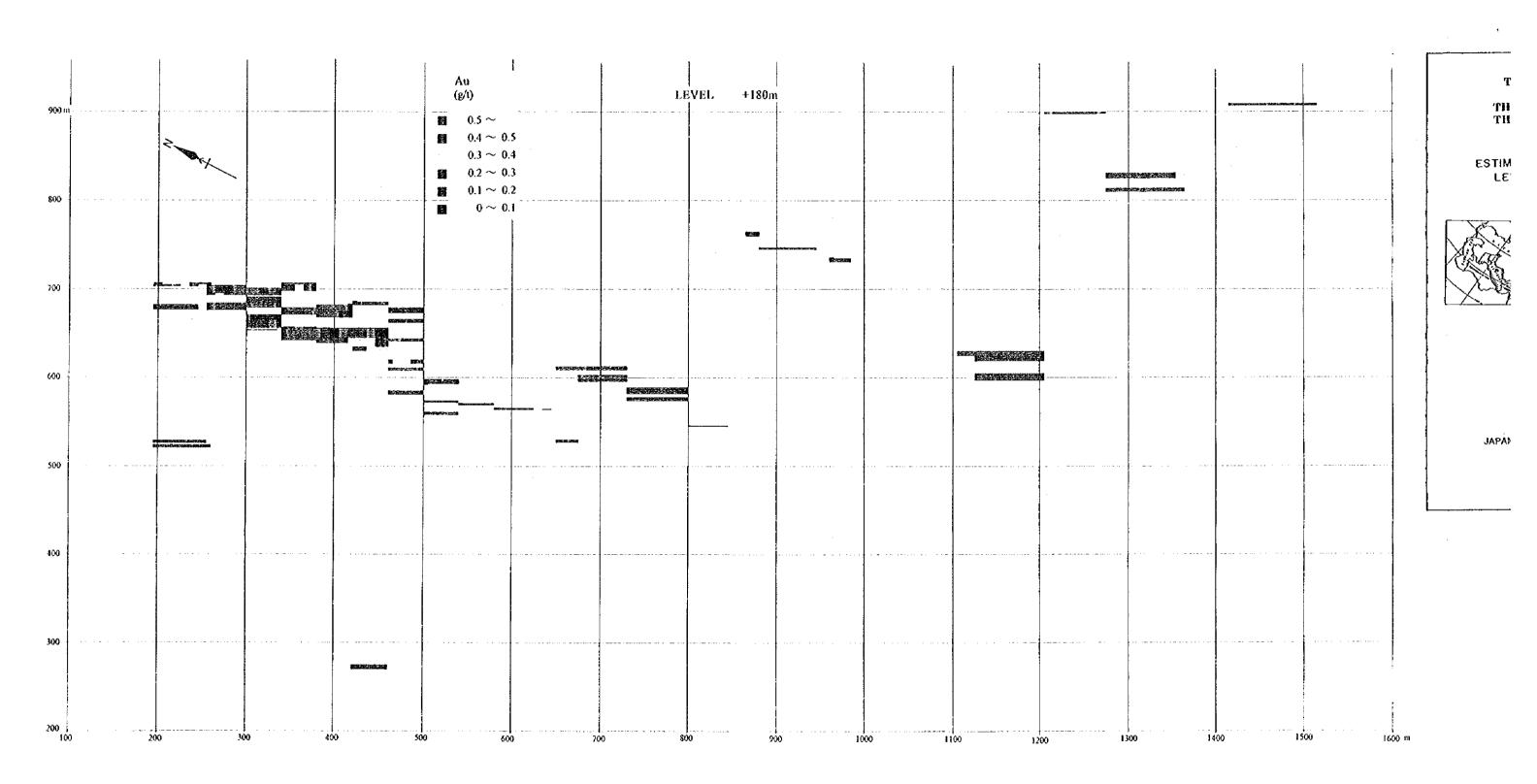


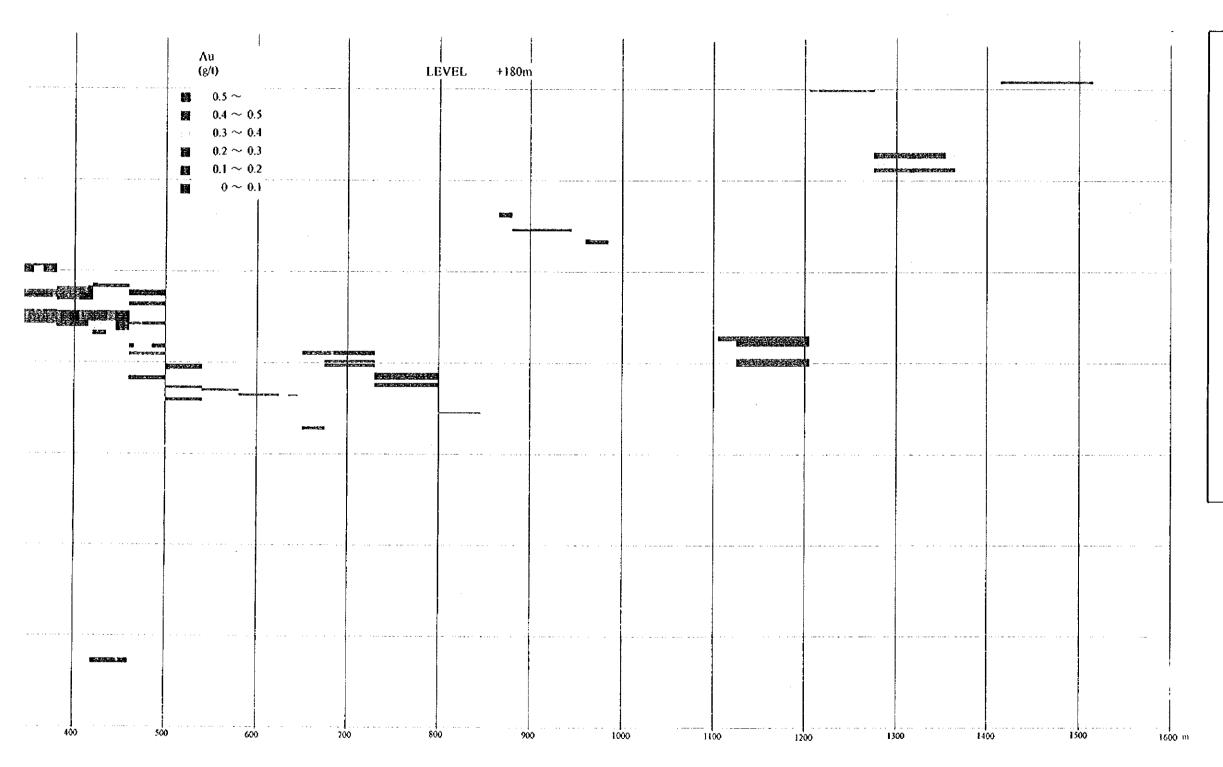
JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995



JAPAN INTERNATIONAL COOPERATION AGENCY

METAL MINING AGENCY OF JAPAN FEBRUARY 1995





PL 11-3-3(1)

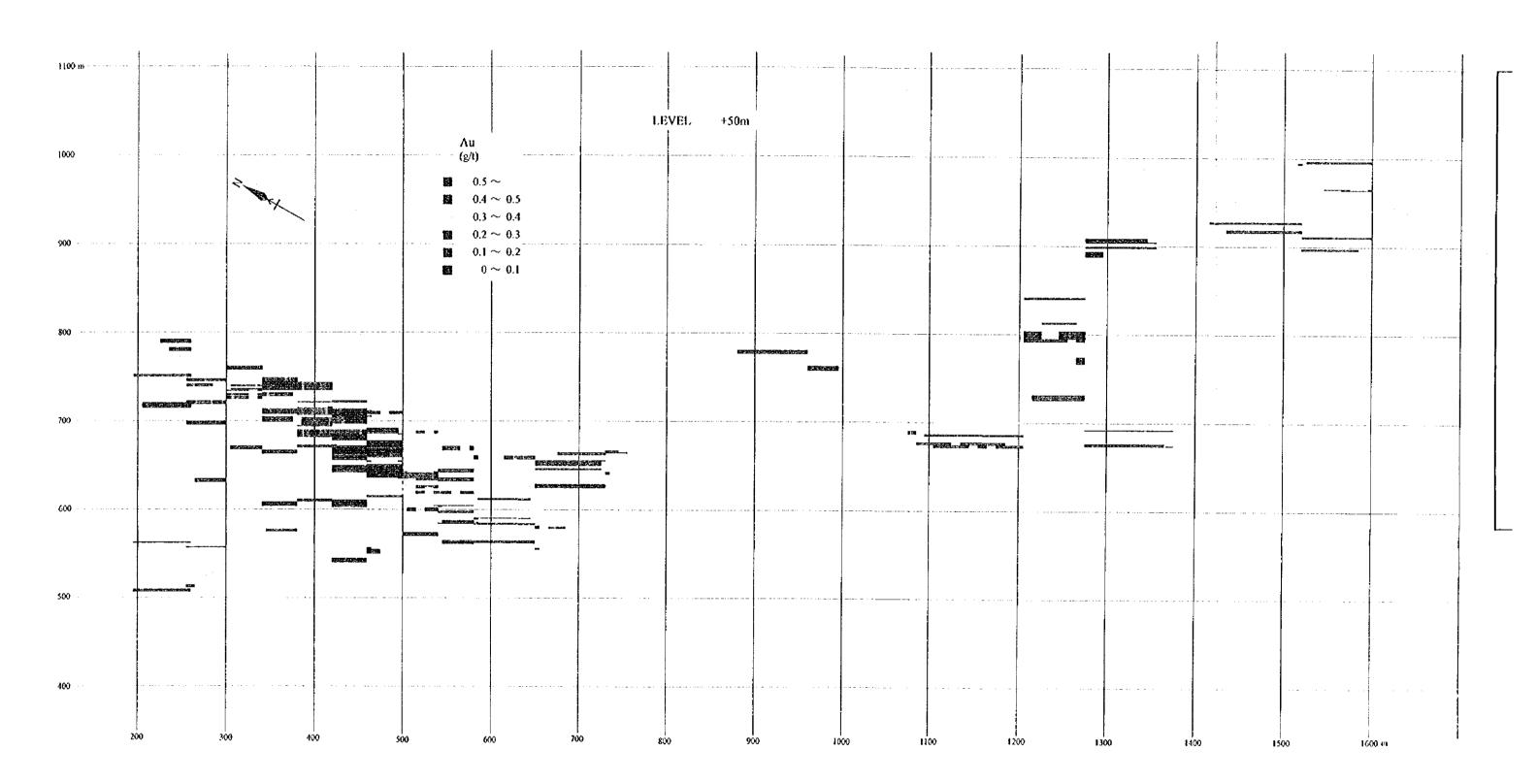
THE MINERAL EXPLORATION IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

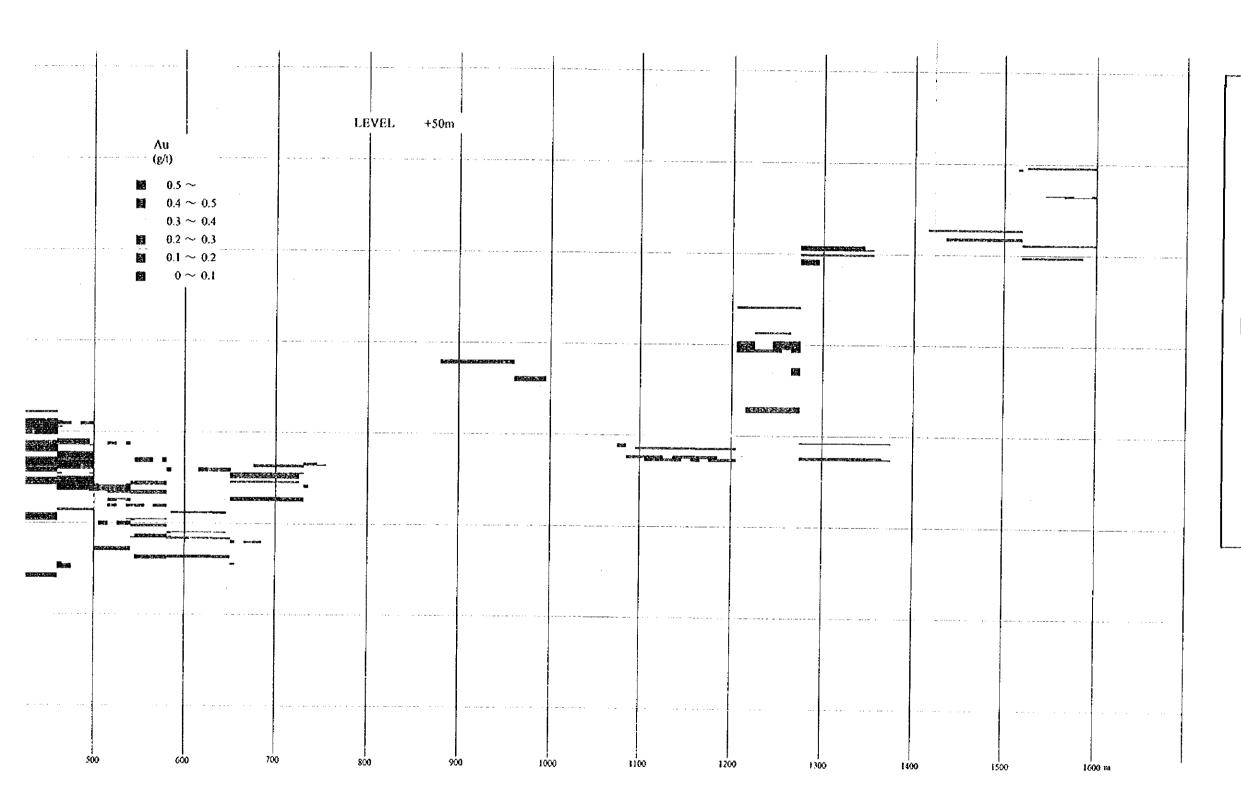
ESTIMATED GRADES OF AU AT THE LEVEL OF + 180m





JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995





Pl. II - 3 - 3(2)

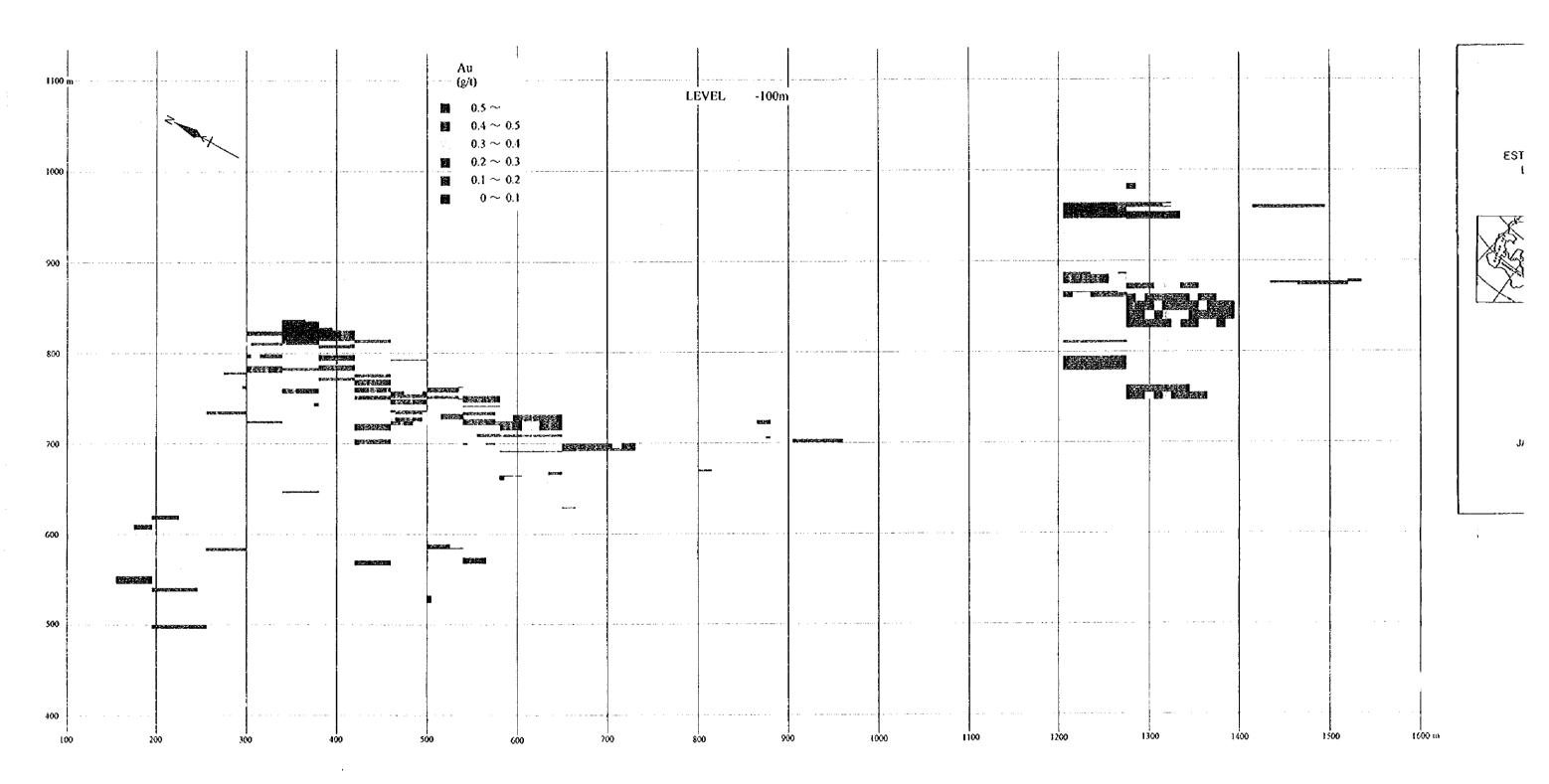
THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

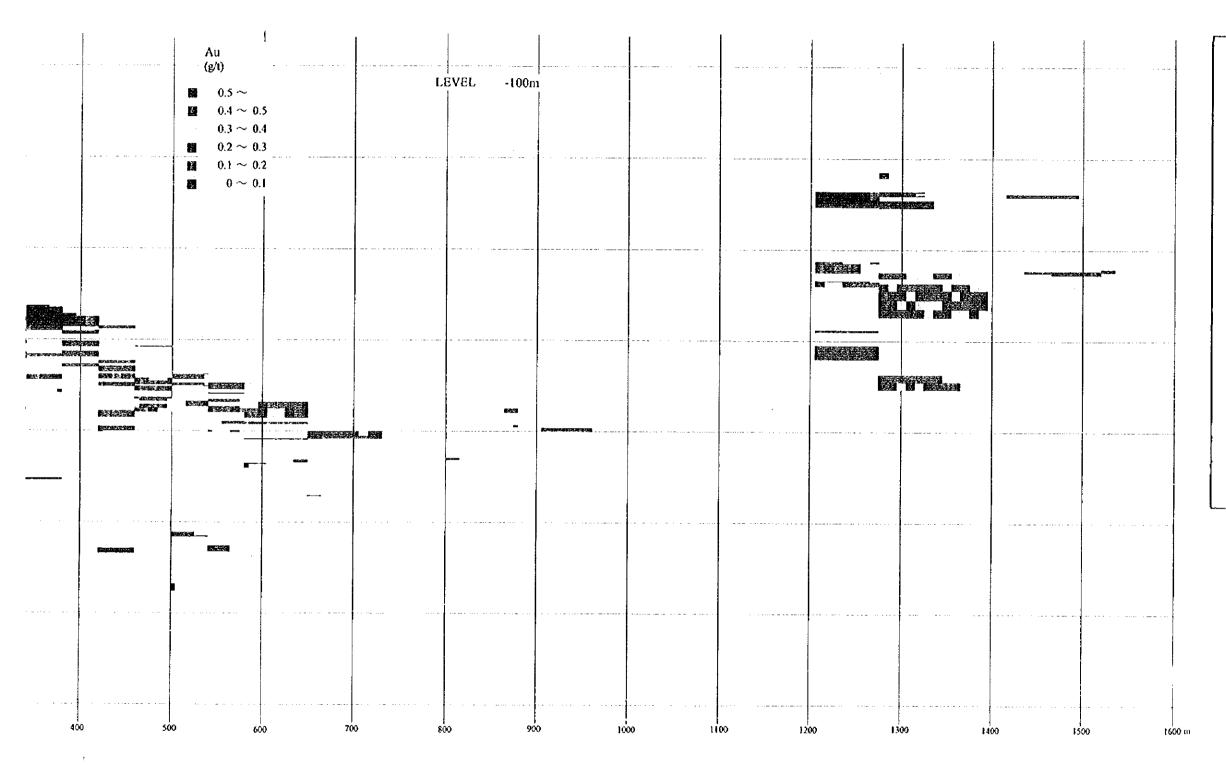
ESTIMATED GRADES OF AU AT THE LEVEL OF + 50m





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995





THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

P1, II-3-3(3)

ESTIMATED GRADES OF AU AT THE LEVEL OF - 100m





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995

Prepared by MINDECO

١.

.-

200

100

0 -

-100

P3. I1-3-4

THE MINERAL EXPLORATION

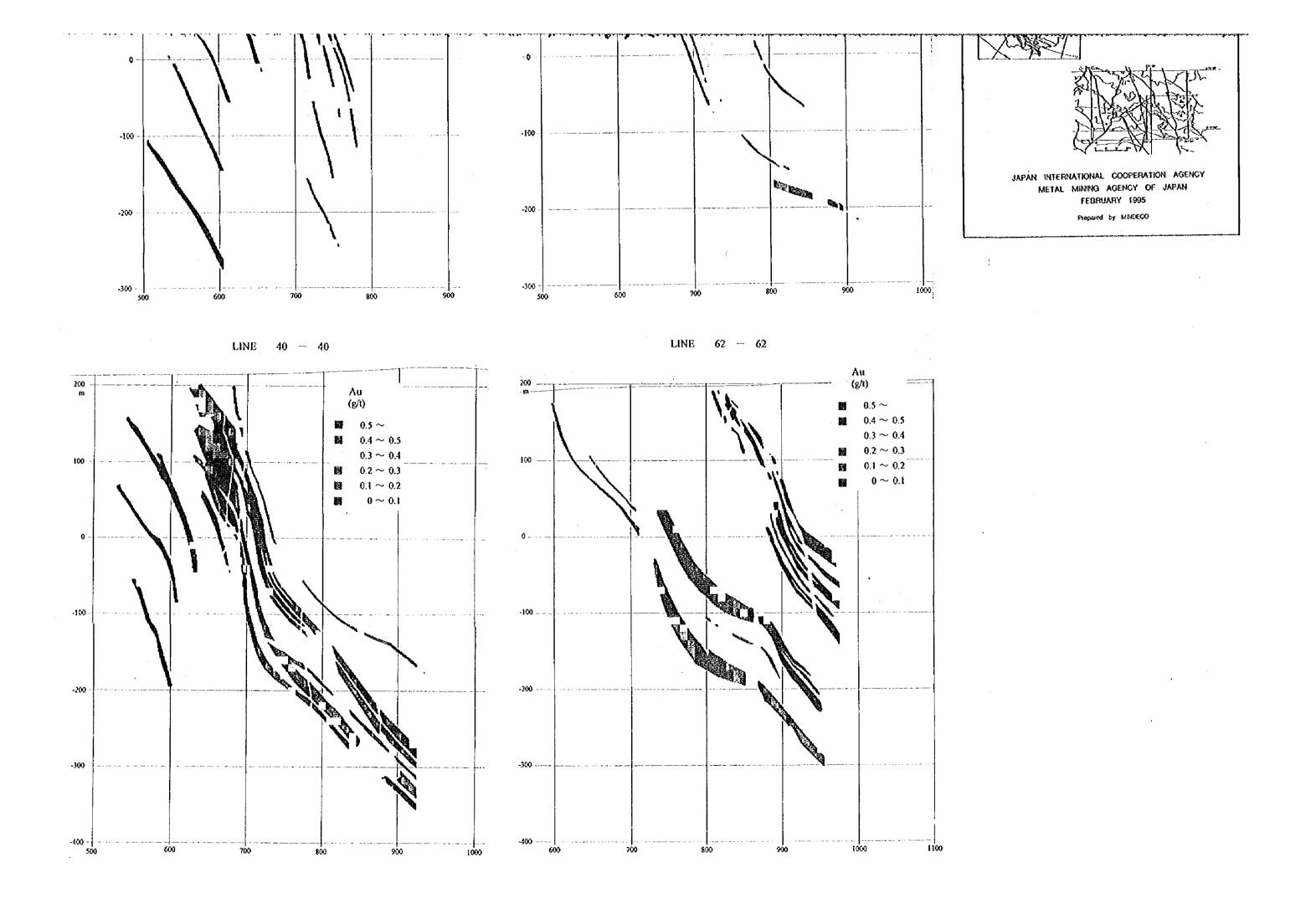
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

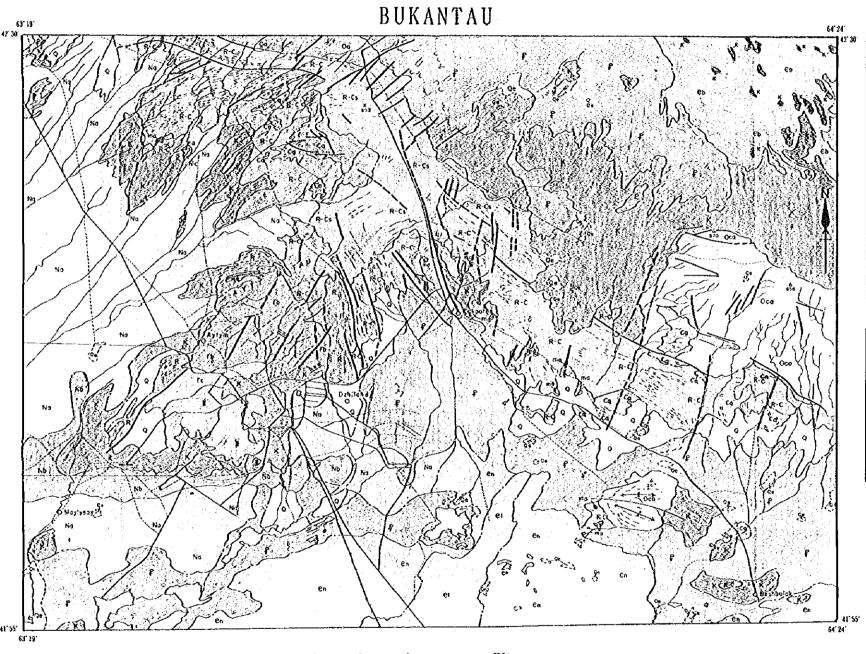
ESTIMATED GRADES OF AU ALONG LINE 36-36, 40-40, 58-58, 62-62





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995





			LEGE	עינג			
Г	Photographic Feature		horgraphic Feature		ļ		
Sait	folor	Testure	Praintge		R esistivity	Development	Lithology interpreted from Photogoology
1		1	Pattern	Reasity]	of Sedding	
	Bark blue, Blark	fice	sub parallet	niderate	bigh	nell	very dark fine grained sedimentary actions placed rocks
9.1	Grayish blue, Paite	s-dius	&miritic trellis	hid	salerate.	nell	alteration of light and duck colored rocks
200	Brung	n-dian	deabritic, trellis	h is	•xderate	nell	similar to BC, thirter wotton and over
Ġ.	Park green Bork blue	tine	& stitic	high	dgid	mell	dack colored fine-redius grained sedimentary rocks
0.	Pale pinky gray	pedium	&atritic parallel	n derate	Bigh	pactially sell	tight colored sedimentary rocks
o.	Dark grayish blue	fice	pinrate, parallel	biet	high	क्ष्म करी	dark colored fine grained sedimentary parks
	Pale reddish puplish	gedi un	parattel	for	Þл	pactially will	fine-nedius grained sediments (thosely consulidated)
•	Pale picky other	meditur-coarse	parattel	ler	lee	partially well	fine-redim grain-d sediments
ll è	Grayish blue	fine	parattel	e derate	Ine	partially well	medium grained sediments (unconsultidated)
No	Dark blue	m-dica:	sub-parallel	.derate	le•	purially will	fine grained sediments (unconscilidated)
Q	Gray, Reddish brown, Dack blue	fine	paraltel	a derate	recy for	-	alluvion, talus deposits
Qc	Phitish	fine	-	-	le•	₹11¢	salt lake (evaporates)
et	Yellon Other	coarse		-	les.		acutina deposits (includes barchess)
et	Phitish Pale yellow	aedi:ea	ļ-	-	he•	-	section deposits (includes linear duces)
en	Faitish Pale yellos Reddish brown	fine	-	[-	very los	-	section deposits (thinner than 'eb' and 'el')
1	Gray ish purple	n-dia	pinnate	very high	high	post (mossive)	gianitic fotosive
14	Pale pink	action	paraliel	sch-rate	a.devate	pier (assive)	granitic intrusive
1			1	$\overline{}$	t	1	

(0.3)	Alteration zone or sineralized zone
4	Anticlinal axis
111	Bedding trace
	Joints
	Linemacht (topographically clear)
	Lineacout (topographically rather clear)
	Principal road
	rough suad
٥	Fillage or tem
210	Elevation in meter
(2)	lake/salt loke
65.75	Airport/ kic strlp

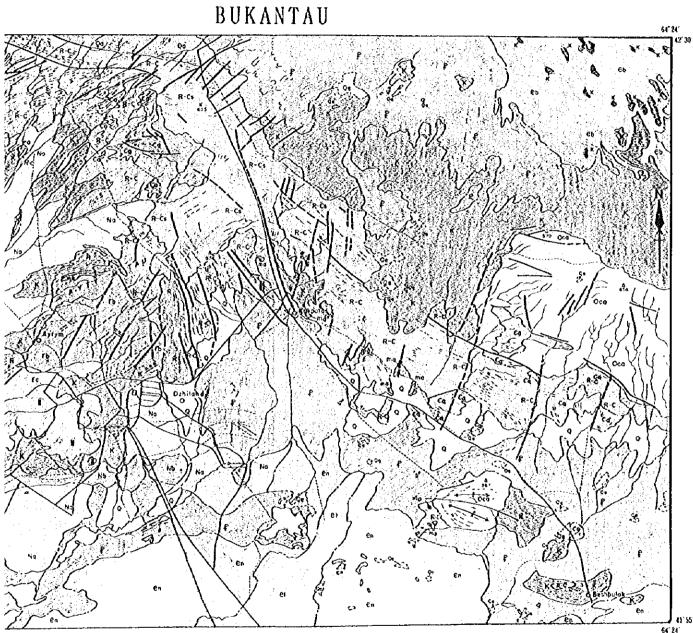
THE

THE 1

PHOTOGE



APAN



0 9 10 10 KM

			LEG	ND			
	Photographic Feat	tare	Topographic Feature				
Cnit	Color	Texture	Drainige		Resistivity	0 evelog⊕ent	Lithology interpreted from Pactogeology
			Pattern	Density		of fedding	
ķ	Dark blue, Black	fire	Sub-parallel	■ decate	high	se}l	very dot, fine grained sedimentary netanophised ro
ŘČ.	Grayish Blue, Mille	edia	deatritic trellis	1.23	and rate	ncil	alteration of light and dork colored rocks
î cs	Breva	s dies	deabitic, trellis	h yb	salerate	sell	similar to I C, thirder scaling and over
č.	Durk green, Dack blue	Gne	destritie	high	hìgh	scil.	dark colored, fine action grained sedimentary rocks
ÓÇ≜.	Pale pinky gray	avdina	dealistic parallel	miderate	Ligh	partially well	hight colored sedimentary maks
Ç,	Burk grayish blue	fine	pioneta paral let	high	bigh.	sery well	deak colored fine grained sedimentary rocks
Ĩ	Pale residish purplish	≱:dius	paral (e)	lou	le •	postially well	fine sedius grained sedimuts (toosely consolidated
2	Pale pinky ocher	adia-carse	parallel	kon .	ieu	partially well	fine action grained sediments
Sa.	Grayish blue	fine	parablel	n derate	les	partially will	median grained sediments (necessal idated)
66	Dark blue	ardina.	sub purallel	n derate	leu	partially will	fine grained sediments (unconsolidated)
Q	Gray, Reddish brown, Dark Wise	fine	para) lel	axterate	sery los		allovium talus deposits
0-	Paitisk	fire	-	-	les	rare	salt take (evaporates)
eb	felies feber	COMESSE	-		k•	-	acolian deposits (includes barchans)
el	Thitish Pale pellor	action.	-	1	les	[-	sentiam deposits (includes linear duncs)
ć#	Thitish Pale yellow Roldish brown	fine	-	ļ-	sery tou	-	acolian deposits (thinner than 'eb' and 'eb')
b	Grayrisk purple	a-disa	pinsate	very high	Sigh	poor (assiste)	granitic intrusive
15	Pole pink	erdice	para) lel	p derate	• details	p.or(bessive)	granitic intrusive
4	Pale yellos, Thite	fine		I		-	nine site (open pit and waste dimes)

◉	Alteration zone or mineralized zone
-+-	Antichinal axis
111	Bedding trace
	Joints
	Uncasent (topographically clear)
	Lineament (topographically rather clear)
	Principal read
	sough road
0	Fillage or town
δ/O	Elevation in meter
c>	Inte/salt lake
e	Airport/ Air strip
	Airport/ Air strip

Pl., 11-4-1

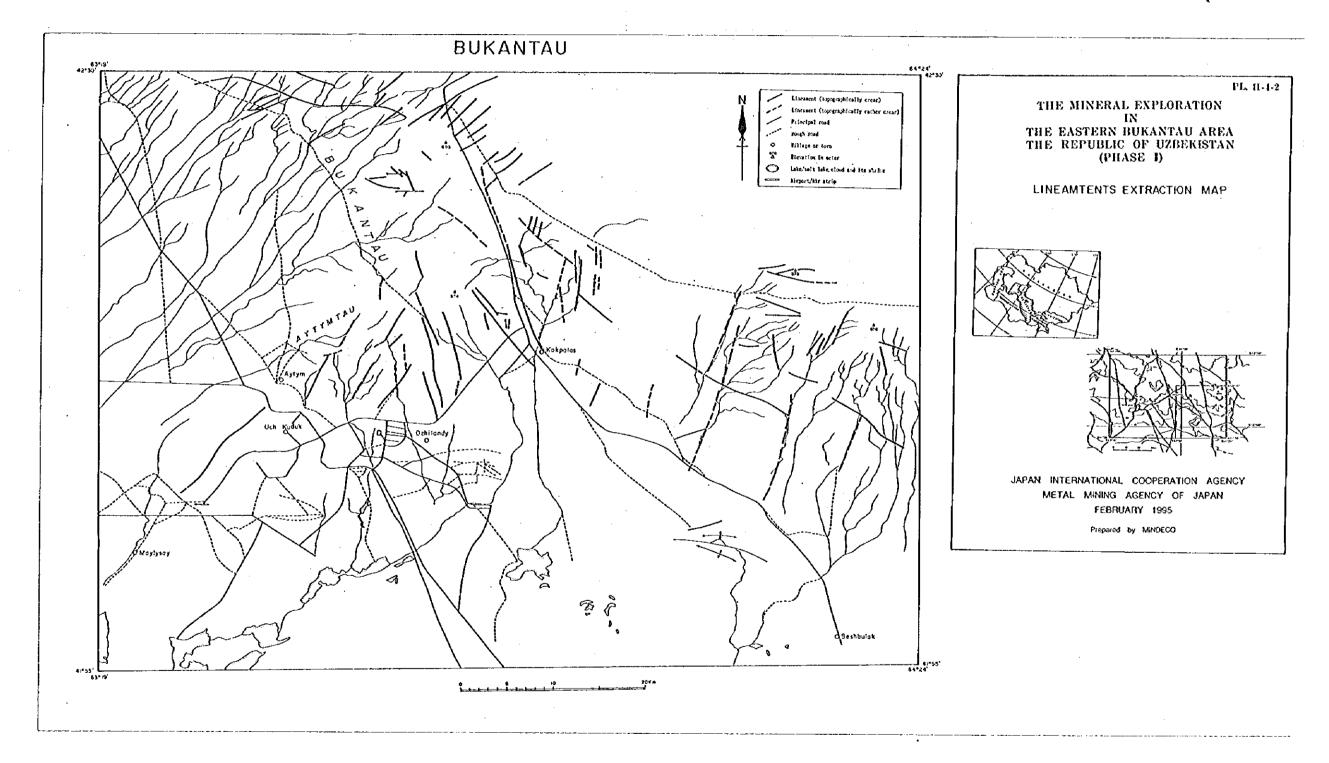
THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

PHOTOGEOLOGICAL INTERPRETATION MAP

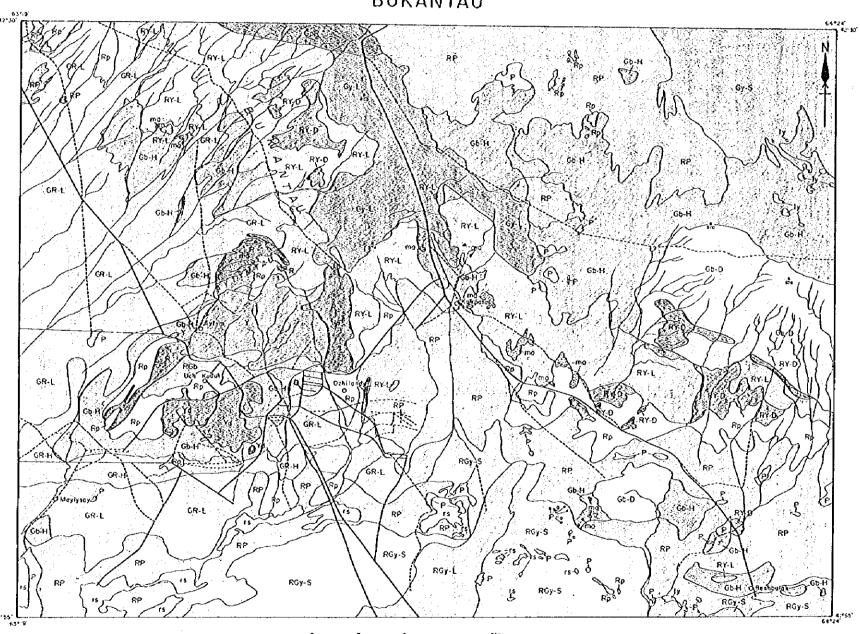




JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995



BUKANTAU



LEGEND

Cnit	Color	Textore	Correlation*
8	Reddish	Dotteá	R
ŘY÷L	Red-Yellou	Linear	R - C
qy-L	Yellowish green	Linear	R = C s
G R	Pale groca+Red	Linear	Oa
C 6 - D	Blueish green	Dotted	OC a
ŔŶ¹Ď	Redifeller	Dotted	Ca
G b−H	Blueish green	Hazy	K
RP 🛫	Rod+Purple	Razy	P
GR-L	Green Red	Rather Linear	Na
GR-H	Green'Red	Nazy	Nb
Rp	Pale red	Saeoth	Q
P	Purplish	Smooth	Qe
g, s	Yellowish green	Sandy	e b
RCy-	Redifellowish green	Sandy, Linear	e i
	S Redivellerish green	Sandy	en
, r	fellorish	Dotted	3 p
RCb	Red-Blueish green	Dotted) C
(d.5)	Dark yelles	Dotted	M
rs, ly	Red. light yeller	5 200 th	Loke Sellt lake Cloud and its shades
ma.	Pale grown	Secoth	Alteration zosa

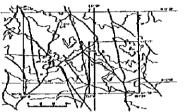
* Correlated with Photogoological Interpretation Unit

PL II-4-3

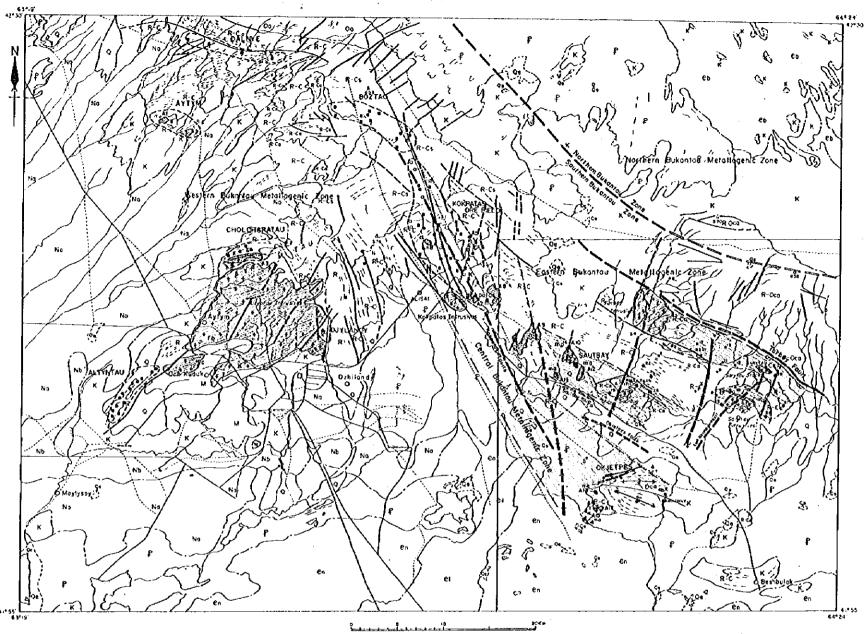
THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA
THE REPUBLIC OF UZBEKISTAN
(PHASE I)

RESULTS OF SPECTRAL ANALYSIS SHOWING ALTERATION ZONES EXTRACTED BY RATIONING





JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1995



A. Ore Deposits and Showings A. Cres Lupeana and Scheinge within Chould Truth Survey Area

[30] Main One Deposite showings within Chould Truth Survey Area

[30] TRAY

[30]: Senyteu deposite(WAu)

[TERAY]: Turbey deposite(Au) (3) One Deposits or Shewings outside Ground Each Survey Ame a) Zone (Dee Field or Zone of Shewings) [[]]: Zone Downdary § KOKFATASAN, BOZTAVAN, DALNEYERAN, ONDETPES : Objetpes deposits(Ag. Au. Au)

(RACUSSY) : Bachenny deposits (Au)

(RULTKAN) : Bulutkan showings(Au) DAYLANDYWOL (2) Other aboutings within Dround Troth Survey Area

(3) (An Ag aboutings : Mg deposite [3] T: Aq.Ag

A: W

O: Ma (AIJSAI) : Ma deposite [\$1:ALISAT] B. Metalligenic Zone
[Metalligenic zone bondary (by Mr. Unhabou)
[Mars Some bondary (cursonly defined by the Survey) ER CENTRAL, & CENTRAL TURBAY, & SOUTH TURBAY 4 NORTH TURRAY, \$ NEAR CONTACT, 4 DAISOVOVE 1 KAYANSAI, 8 EAST AKKOI, 9 AKKOI, 10 SOLTH, C Geologie Features
(I) Intrusive Rocks
(Fig. 1) granite diorita SARYTAU, 11 EAST TURRAY, 11 KURGANTAU, 13 KARATAU, 14 NORTHEAST TURRAY, ISTARAUBAY, 16 KOKTASH, II.WEST TURBAY, IN CENTRAL SARYTAU (3) Main Geologie Structures 10 30 : Wilhowings 10 SOUTHEAST SAUTBAY, 20 NIZKUKASHKAR : faulta se fracture sone 11 EAST SARKNOV, 22 WEST SARKNOV, 21 KAZSAN, 24 WEST KAZSAN, 24 BENTASH, 25 SOUTH BENTASH, 26 EAST KAZSAN D Ground Truth Survey
: Ground Truth Survey Area

X : Main check point 21 KATIRTAS, 28 SOLTH BENTASH, 29 BENTASH, (SS). Co. 60-616-61 (SO) SORTH SARITAU)

Age	Systel Lithology (Ricks Confirmed by Ground Survey)
	allowing takes deposits (sand praces)
Quaternary	Q4 exponter(sets)
dor (4) unit	scollan depusita (includes bardan sand dines)
	ecolius depratta (lociules lineat soci ésco)
	an another deposite (thinser than left and leb')
Patrosene	H9 fine grained sediments (unconstituted)
F 2100 4 4	No section grained aedisonts (unconsultéated)
Palestrue- Minore	firer active grained selfects (congluerates, andstores)
Creterana	find-medium grained sediments (Incoming consolidated)
Borontan- Carbor i ferios	DC 6 11(h) cultured sed conta (dolumiters, billionium plates)
Or devictor	DA dist moved. Her -section grained sediments (Heestures)
Palle stole	R Ca dark colored, fine gralood actionets (ble-2 colored atticeous states)
(Farbiniferna)	100 light sylvered sediments (sheles)
Protensiole (Toplese)	[BCBCa] Elementum of Right colored and durk colored mode (allicense shales, quartelies, achiete, humbers, esta-mismanles)
	R sary dark. How grathed sediments and actsus/phosed racks Openfels black above delegates?
fotnatives	grandite (two ados grandite)
fist trans, ca	grandforite absettite grants
	Mine site (gen pit, mate dage)

Alteration pure
Anticline axis

Bedding trace

Joints

Lineasent (imperchiculty crear)

threasent (imperchiculty rather crear)

Principal road

road road

Sallage or teen

Anticline is neter

tabulastic behanded and six shalle

Airport/Air strip

Pl. II-5-1

THE MINERAL EXPLORATION
IN
THE EASTERN BUKANTAU AREA

THE EASTERN BUKANTAU AREA THE REPUBLIC OF UZBEKISTAN (PHASE I)

INTEGRATED INTERPRETATION MAP





JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1995

