


| ［1］Cutesen mesie | ［球 | scriow ins |
| :---: | :---: | :---: |
|  | （ B 困 | cendes ore merserema |
|  | ［3］ |  |
| 上过 tanas | ［2］ | 1 mma |
|  | Ex？ |  |
| Efl Eramtics | $\underline{8}$ | vans |
|  | \％ |  |
|  | 5 |  |
| ces sars | \％ | triektiontestin bis |
|  |  | comot cemo |
|  | \％ | 隹 |
|  |  |  |
|  |  |  |
| ［2］exsins | － | Stan themes |
| Ery matitial Am | 5 | 边 |
|  |  | NEM， |
|  | 5 |  |
|  | \％ |  |




|  |  |
| :---: | :---: |
|  | [-3) |
|  | E:3] |
| [4] cresestises | -6, mumbis tix |
|  | [83 |
| E6fy tersmestes | [8] tran outio |
| [E+ mins |  |
| E-2 insaisics |  |
| ces smor |  |
|  | [5] $\operatorname{cos+x}$ |
|  | tek ${ }^{\text {a }}$ |
|  | \%ay |
| [C:7] Rectant omexit | in cist |
| [a] madirs | O3 sich tw iswe |
|  | - |
|  | cmat |
|  | $\cdots \times$ |
|  | \%me- |

THE MINERAL EXPIORATION
in mond abe TIIE REPUBLIC OF UZBEKISTAS (PILASE I)
geological cross sections of the SAGHINKAN DEPOSITS

mpan mitebuational cooperation agency metal mining agency of japan february 1995
frepared by minezco

-: Index Map of Buiution Prospect

b: Detoin Moo of abitikon Prospect

c: Cross section of $A-A^{\prime}$
tile mineral exploration
the eastern bukantau area THE REPUBLIC OF UZBEKISTAN (Phase 1)

SCHEMATIC GEOLOGICAL MAP AND CROSS section of the bulutkan ore showing

japan international cooperation agency metal minino agency of Japan february 1995 repazes or mincicco


| Qe］smomyturnt |  |  |  | masstrimis | （ after h－1．Rubanovilan） |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| 6\％${ }^{\text {a }}$ ， | － |  | ［日］ | tworatim |  |  |
|  | 厄－ | satu utim |  |  | HEmen wis | nem man |
|  | \％ | nut | ， | Natiot | \％a．．． | Tienorsicua |
|  | \％ |  |  |  | － | comer |
|  |  |  | （1A |  | \％u： | 仡 |

he mineral exploration
TIIE Bastern in heantau are TIIE REPUBLIC OF UZBEKISTA （PIIASE 1）
geological map of the turbay ore deposits

## 15


japan wital moral cooperation agency meial mining agency of japan
ebrauary 1995
Heso

the mineral exploration TIIE EASTERN BUKANTAU AREA THE REPUBLIC OF UZBEKISTAN (PIIASE 1)
geological cross section of the TURBAY DEPOSITS

metal miniva agency of japan
metal minva agency
pepased oy MNOECO
i




";
the mineral, benplobation
 THE REPUBAC OF UZBEKISTAN (PIASE: 1)
geological map of the okjeipes deposits




tile mineral exploration TILE EASTERN buKantau abea the reiveblic of uzbekistan (PHASE 1)
geological cross section of the OKJETPES ORE DEPOSITS

japan international cooperation agency Metal mining agency of japan



me mineral exploration
THE EISTEN IN TIIE REPUBLIC OF UZBEKISTAN PHASE I
local magnetic anomaly map

japan international etal ming acency or japan fegruary 1995

```
Prepoed by mnocco
```

solid line: positive a nonaly

- ore deposits and ore showing



the mineral exidomation TIE EASTERN BuKANTAU ABE The merublic of UZbbkistan (PIIASE 1)

GEOPHYSICAL-GEOLOGICAL SECTION C-D

japan international cooperation ageng
metal minng agency of Japan fegruary 1935 pregared by minocco

|  | Legend |
| :---: | :---: |
| \% ${ }^{5}$ | granitoid int rusive rock <br> - solid line : inferred from gravity bodeling <br> - atashed line : aronpective korder <br> - 0.1.0.05: density contrast in $\mathrm{g}^{\prime} \mathrm{cm}^{3}$ againut to country zuck( $267 \mathrm{gicm}^{3}$ ) |
| 边 | tm: Kumbuak tor mation <br> Er: Karashath formation <br> ky: Kolpatas formation <br> Mo: Khodinakikmet furnation ks: Kiotsai formation |
| $88$ | contact with granituid intrusive rock <br> faccording to geofhysieal data, and hydruthern <br> metasomatic changes of racks) <br> E: close contact b: middle centact |
| $A_{6}$ | dislocations with break in contiouty <br> a : Anaun(sohd bne) inferred (dashat tine) <br> 8. A: enciched wooe of ongoctic trinerath <br> ( $B$ : implating sulfide) |
|  |  |
|  |  |
| $\frac{10}{102}$ | -denerity $\left(\mathrm{g}^{2} \mathrm{~cm}^{3}\right)$ <br> magnetic ausctatibldty (a $10^{5} \mathrm{SI}$ ) |
| $\square$ |  occurding lo ocksmic prospectiag |
|  |  |








baction ctores fectit


the mineral exploration TIIE EASTERN BUKANTAU AREA
TIEE REPUBLC OF UZBEKISTAN THE REPUBLAC OF UZBEKISTAN

GEOPHYSICAL - GEOLOGICAL SECTION E-F
japan international cooperation agency
metal mining agency of japan FEBPUARY 1095

Prepared by Mnoccos

| Legend |  |
| :---: | :---: |
| 6atam | Eranitoid intrusive rock |
|  | - sotid line : inferred frou gravity moteling - dashed lins : prcepective border |
|  | - 0.1.0.05: density contrast in gicm². agsinst to country rock( $2.57 \mathrm{~g}^{\prime} \mathrm{cm}^{3}$ ) |
| $\left[\begin{array}{l}\text { and } \\ 0\end{array}\right.$ | km: Kumbulat Acmation |
|  | kr: Erasahath fo |
|  |  |
|  |  |
| $\frac{\square 8}{6}$ | contact with granitoid intrusive rock <br> (according to geaphysical data, and hydruhermal <br> metasomatic changes of rochs) <br> a. close contacs b: midde contuct 8: with mineral associationg inctudit |
|  |  |
|  |  |
|  |  |
|  | distcations with treak in continuty <br> a: : moon D(Sglid Line) inferred dasted bine <br> 5, A : eariched zone of monnctic minecals) <br> ( $\mathrm{B}:$ : aceleding sul 1 d de) |
|  |  |
|  |  |
|  |  |
| [reser |  |
|  | ditiling data |
| $\cdots$ |  |
|  |  |
| - | longitudinal wave velocity ( $\mathbf{k}$ itsec ) acording to seivmic pronecting |
| [易 | mag |



|  | Legend |
| :---: | :---: |
| G\％ | granitoid intru sold tine ：infer <br> －deshed line ：pr <br> －0．1．0．05 ：dens <br> against to |
| － | 4m：Kumbutek fo <br> Iz：Karashakh to <br> Ip：Kotpatas for <br> ha：Khodjathen <br> ：Soksail form |
| \％昭管 |  |
| $\frac{A_{3}^{M 8}}{6}$ | disfocations with A：known！solid th （ 3 ：inctulined zon <br> （ 3 ：incfuding suifa |
| ـi. | 1 Irastio Cfocet fel |
| $-4$ | drilling data <br> －density <br> mangaetic gusceptit |
|  | longitudinal w |
| 品面 | mag， |



## legend








\%8)






$\square$ $\qquad$
Ty dinive stas

Casiudional weice

圖畐




$i^{*}$




the mineral exploration the eastern bukantau area TIEE REPUBLIC OF UZBEKISTA (PHASE 1)
estimated grades of wos at the LEVEL of - 100 m

japan international cooperation agengy metal minng agency of japan february 1995
Piomed er mindeco


the mineral, exploration
The eastern bukantau area TIE EASTERN BUKANTAU AREA
TILE REPUBLGG OF UZBEKISTAN TIE REPUBLIC OF UZBEKISTA

GIMATED GRADES OF WO3 ALONG


Japan Internatonal cooperation agenc metal mining agency of japal february 1995



1100 m
1000
200
60
500
400




japan International cooperation agency metal minng agench of Japan february 1995 Prearad by Mivecoo





## BUKANTAU


the mineral exploration
the eastern bukantau area the republic of uabekistan (phase i)
lineamtents extraction map

japan international cooperation agency metal maning agency of japan febreaty 1995 Prepares oy minocco


TIIE MINERAL EXPLORATION the eastern bukantau area
the republc of uzbekistan the republic of uzaekistan

RESULTS OF SPECTRAL ANALYSIS SHOWING alteration zones extracteo by rationing

japan international cooperation agency metal mining agency of Japan february 1995

the mineral exploration the bastern bukantau area THE REPUBLIC OF UZBEKISTAN (PIIASE I)
integrated interpretation map

japan international cooperation agency metal minng agency of japan february 1995 hrosaed by MNDECO

|  |  |
| :---: | :---: |

