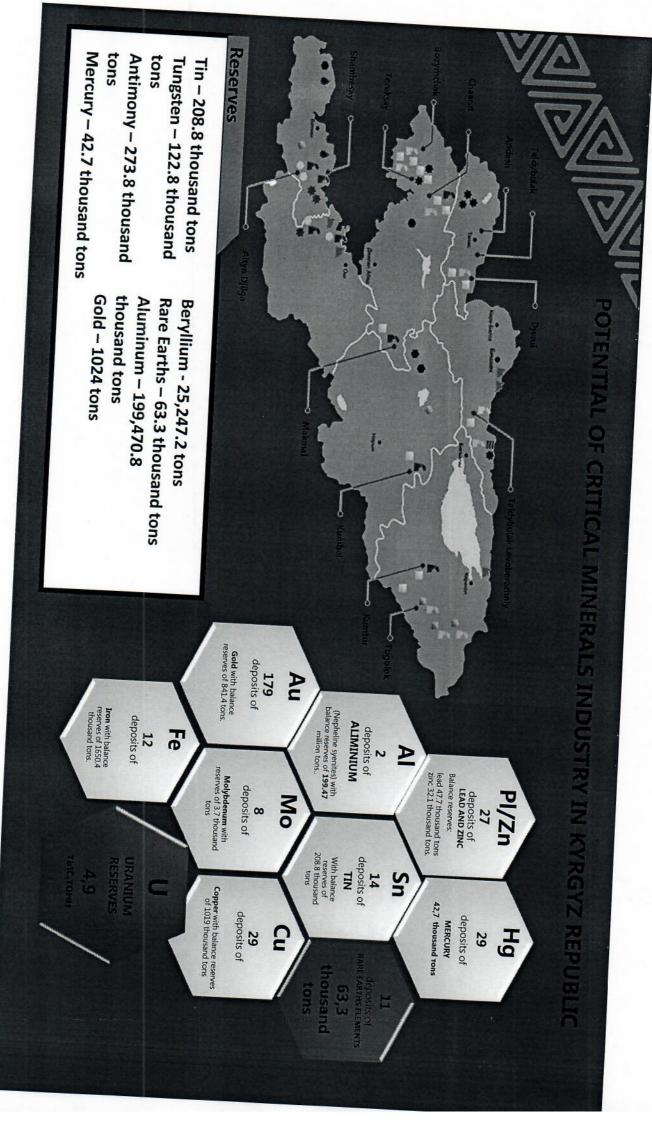


Ministry of Natural Resources, Ecology, and Technical Supervision of

Kyrgyz Republic



# Rare Earth elements - 1. Kutesay II and 2. Kalesay

pond, is located 3.8 km south of the city of Orlovka. 1995), I tailings ponds were created. Four tailings ponds are ocated in the Ak-Tyuz area, and the fifth, the Buurdun tailings As a result of the inclustrial activities of ISC "KHMS" (1942-

> · Kutesay I - Aktyuz

Kalesas

1.65 g/cm<sup>2</sup>. the average density is size is 0.138 mm, and The average particle









Buurdun depos



Bismuth: 3.4 thousand tons

Molybdenum: 3.6 thousand tons

## Rare Earth elements:



Kutesay II



Kalesay

Rare earth elements

15 rare earth metals 63,3 тыс.тонн

Beryllium reserves:

11.7 thousand tons

Zinc: 23.8 thousand tons As of 01.01.2024, the remaining reserves at the Kutessay-2 deposit are: Rare earth elements: 63.3 thousand tons

Silver: 129.9 tons

Lead: 27.5 thousand tons

Development is recommended in conjunction with the beryllium deposit "Kalesay."

# Raire earth elements and critical minerals - Kyzyl-Ompol

areas of the Kyzyl-Ompul placer group

## Reserves of the deposit



area Tash-Bulak

valuable components for the Tash-Bulak placer of the Kyzyl-Ompul placer group as per the following table: As of 01.01.2024, the State Balance lists reserves of

	Total	, <b>o</b>	Off-balance reserves	C <sub>1</sub> +C <sub>2</sub>	Category of reserves and resources
5611,05	4112,4	8	0	1415,65	Titanomagnetite (thousand tons)
67.94	33,8	0,83		33,31	Zr (X1000 tons)
41728,2	29229,9	600		11898,3	P
11835,1	3338,8	1616,6	,,,	(tons) 6879.7	#
5148,2	1632,9	612	2,000	(tons)	U

# Forecast resources for the entire deposit

C <sub>1</sub> +C <sub>2</sub> + P1 +P	and resources
12899,05	Titanomagnetite (thousand tons)
201368,2	P (tons)
284822,7	P (tons)
27692,7	Th (tons)
11396,9	U (tons)

# Open-pit mining of nepheline syenites at the Sandyk deposit.

The second secon



# Reserves of Sandyk deposit

		Kumbel	Sandyksu	Call	enconexty.	Chachalata		Name of area
Total:	1 2		P1		C <sub>1</sub> +C <sub>2</sub>		resources	reserves and
1036.074	187.2		117		731.874	,	(Million Ton)	Ore
203,657	35.8	20.0	2000		147.057	(not nonillini)	Nill.	Alumina
	19,16%	17,81%		20,05%	20,000	content		Average

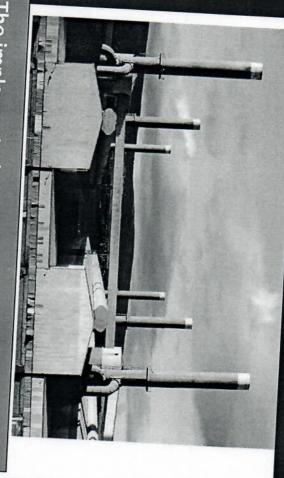
# Category of reserves and resources



# located in Kadamdzhai District

Karangli	Katranbashi	Name of deposit
P <sub>1</sub> +P <sub>2</sub>	C <sub>2</sub> +P <sub>2</sub>	reserves and resources
	4.49	Boxytes and Alumina (Million Ton)
18.68		Alumina (Million ron)
38,28%	46,8%	Content of Al2O3

# Surface extraction of nepheline syenite at the Sandyk deposit



development of the Sandyk Capital investments for the deposit

9,13 billion \$

Yearly profit after ramp-up to full capacity

9,13 billion \$

The implementation of this project will allow to:

- reduce both internal and external migration;
- create over 7,000 jobs at the enterprise;
- increase the export potential of aluminum to sector; - engage more than 9,000 people in the service

both near and far abroad markets.

Return on investment (ROI)

4,13 years

and other contributions to the Annually in the form of tax budget

279,0 million \$

Create over 7,000 jobs at the enterprise

Workers average salary

35-40 thousand soms

# Uzunbulak area (lithium)

Li = 0.32 % Rb - 0.26 % In - 0.002 %



Lithium

irces

Perspectives

Forecast reso	r ș	Lithium	Or hid:	22.2	Tin Tin	Bervllium		THE PLANT OF THE PARTY OF THE P	
Forecast resources in category P2:	orock alled, M*.	105×50	DCXCCT	195x50	165,50	20.50	OCXUC	40×50	.0000
bry P2:	Average grade, %.		0,32	0.26	0,20	0,03/	0,017		0,0022
	Forecast resou	(P2), tons.	8500	Cana	6300	760	23	95	11

366,767 tons. the Uzunbulak area: Total forecasted lithium resources in category P3 for

in the Uzunbulak region. categories for the Turasu area, as well as for other areas forecasted lithium reserves and resources in different This data provides a complete overview of the

anomaly, and a high concent

identified ore occurrences.

## Antilmony deposits

The Kadamjay deposit is located in the

# Reserves of Kadamja deposit

121.7 Antimony

84,0 2,04% - 5,32%	(thou	(thousand tons) Average content	Reserves
69,7	(thousand tons)	(P1)	Prospective resources
3,6 %		Average content	

various scales. In addition, there are also promising, unexplored deposits of



of 2,660–3,512 meters. It lies in a relatively accessible area adjacent to the economically developed regions of 1. Sharkratma antimony deposit — located in the Batken District, in a high-altitude zone at elevations



of the Alai Range, at elevations of 2,600–3,100 meters, in close proximity to the economically developed foothills 2. Abshir (Abshirsky) antimony ore deposit – located in the Nookat District, on the northern slopes



Range, at elevations of 3,000–3,800 meters, in an undeveloped area, 5 km east of the Abshir antimony deposit. 3. Gezart North antimony deposit – located in the Nookat District, on the northern slopes of the Alai



### Jetim Deposit

Name Tellow ne Jetim deposit is located in the Naryn district of

and the Geophysical Expedition of the Geology Directorate of the and 1:10,000 was carried out by the State Geological Survey (SKGE) From 1979 to 1983, geological mapping at scales of 1:50,000 led with aeromagnetometry and ground eys in the Jetim

Moldobashi;

eleice North and South

in categories C2+P1 with an aven resources to a depth of ncluding 2.88 billion tons in catego



### Perspectives

500 meters are estimated as follows: The forecasted iron ore resources to a depth of

- 5.4 billion tons in categories C2+P1 with an average total iron content of 31.7%,
- including 2.88 billion tons in category C2.



4 hedialies

# Delbek and Tutek rare earth deposits (niobium and tantalum)

WILLIAM tantalum, the ores contain notable quantities of niobium, zirconium, hafnium, and The Delbek deposit should be considered a multi-component deposit: in addition to upper reaches of the Sokh River, within the Delbek stream basin 1. Delbek deposit is located within the Batken District of the Batken Region, in the





Niobium

Name of object (Categories P1 + P2), the Tutek deposit should be classified as a large-scale deposit. ecoupling to the forecast resource estimates for Ta<sub>2</sub>O<sub>5</sub> (Berezansky, 1992), with a combined total of **30,635 tons** deposit is located within the Batken District of the Batken Region, in the upper reaches of the Sokh River. urtek stream basin, which is a tributary of the Akterek River – the western branch of the Sokh River

	Tutek	Delbek
•Tantalum pentoxide (Ta <sub>2</sub> O <sub>5</sub> ): 30.6 thousand tons •Niobium pentoxide (Nb <sub>2</sub> O <sub>5</sub> ): 16.4 thousand tons •Zirconium dioxide (ZrO <sub>2</sub> ): 60.1 thousand tons •Uranium (U): 2.4 thousand tons •Thorium (Th): 6.5 thousand tons	Categories P1 + P2 (forecast reconstructions)	Categories P1 + P2 (forecast resources):
A promising, unexplored deposit located in a highaltitude zone (3,500–3,900 meters), within a sparsely developed region.	(2,200–4,000 m), sparsely developed area.	Remark

# Aprelsione gold deposit

### Reserves by areas

2 (A)	Medniy		Central Rodnikoviy		Name of area		
Total:	C <sub>2</sub> +P <sub>1</sub>	C <sub>1</sub> +C <sub>2</sub>	C <sub>1</sub> +C <sub>2</sub>	resources	reserves and	Catoning	
17459,3	14351,1	2135,3	972,9	(kg)	Gold		
13542,1	•	10397	3145,1	(kg)	Silver		





# Reserves of whole deposit

# Balance reserves (Categories C1 + C2): Gold - 3.1 tonnes

Silver – 13.5 tonnes

Preliminarily estimated reserves: C2 – Gold: 2.2 tonnes P1 - Gold: 12.1 tonnes

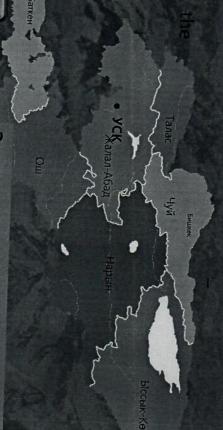
# Unkurtash-Karatyube gold deposit

Alabuka District in the Jalal-Abad Region of the Kyrgyz Republic. The Unkurtash-Karatyube area is administratively part of

The following reserves are recorded in the State

### Balance

- Unkurtash deposit amount to:
- 0010 45,293.8 kg
- ower 30.22 fons
- The reserves at the Karatyube deposit amount
- Gold 6,451.34 kg
- Silver 3.90 ton
- Sarytyube deposit amount to:
- Gold 33,840,40 kg
- .\$ liver 50.869 tons
- Jinkurtash-Ketrettyube area amount na
- · Gold 3,885.748
- Silver +3.532 & A.
- According to March 26, 2024, within the Unkurtash-Karatyub area, the preliminarily estimated gold asserves of Communications
- amount to 673 kg, and forecast resources of Categorian amount to 5,831 kg.



🗕 Запасы по месторождению

Total reserves of the Unkurtash-Sarytyube-Karatyube deposit amount to:
Total reserves in Categories C1 and C2:

- •Gold 90,144.3 kg
- •Silver 88.5 tons

Forecast resources of gold:

•5,831 kg



# extraction and processing of minerals, including large enterprises. In Kyrgyzstan, more than 100 mining companies are engaged in the







#### Kaz Minerals

exchanges. the London and Hong Kong stock producers. The Group's shares are listed on This is one of the leading copper



## JSC Kumtor Gold Company

of the Kyrgyz Republic. employs 3,335 specialists, of whom 99% are citizens one taxpayer in the country. Currently, the company Company" is the largest enterprise and the number production began in 1997. Today, JSC "Kumtor Gold The Kumtor deposit was discovered in 1978, and gold



### **Chaarat Gold Holdings Limited**

Market (AIM) of the London Stock Exchange. The company has been operating in Kyrgyzstan since Kyrgyzstan and is listed on the Alternative Investment The company conducts geological exploration work in



### Cengiz Holding

has been operating in Kyrgyzstan since 2016. deposit in the Chatkal district. The company A Turkish company is jointly developing the



### Zijin Mining Group Company Ltd

mining operations at the Taldy-Bulak Left Bank deposit. The company has been operating in Kyrgyzstan since 2006. An international company that conducts

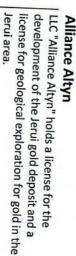


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operating in Kyrgyzstan since 2008.

gold mining in Kyrgyzstan. The company has been A Chinese state-owned corporation engaged in

Lingbao Gold Company Limited



since 2015 The company has been operating in Kyrgyzstan



### JSC Kyrgyzaltyn

development of gold deposits, established Kyrgyz Republic, specializing in the The largest domestic enterprise in the

### International laboratories



#### **ENVIRONMENTAL LABORATORIES** STEWART ASSAY AND

metallurgy. geochemistry, ecology, and Area of activity: Laboratory for



## Société Générale de Surveillance

testing, certification. SGS is a global leader in inspection,



### Alfred H Knight

Other professional, scientific, and technical activities.



#### Archi Tech

chemical analytical laboratories. Software development for

There are no laboratories like those in Kyrgyzstan



# Thank you for your attention

