

Regulatory Announcement

Company [Frontier Mining Ltd](#)
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Frontier Mining Ltd.

("the Company" or "Frontier")

Results of 2005 Yubileiny Copper Deposit Exploration Programme

Frontier is pleased to announce the results of its 2005 exploration programme at the Yubileiny copper deposit.

Yubileiny was discovered in the second half of the 19th century. Historical records indicate about 1,000 tonnes of oxide copper was mined and smelted in the 1870's with copper grade ranging from 5% to 10%. In 1947, the resource was estimated to contain 150,000 tonnes of copper at an average grade of 0.5%. From 1948 to 1952, additional work included exploration shafts, 308 metres of exploration adits, 1,000 m³ of trenches and 8 core holes totaling 914 metres.

Highlights

- Internal evaluation of alteration mapping, soil geochemistry, Induced Polarization and Chargeability geophysics and core drilling indicate that both oxide and sulphide copper mineralisation are contained within the 2.8 km² Yubileiny project area.
- Frontier has identified another mineralised zone, New Yubileiny, 1 km south east of the Yubileiny deposit.
- The preliminary inferred geologic resource (C2-P1) covering the presently defined Yubileiny deposit area (0.215 km²) is estimated by management to contain approximately 100,400 tonnes of copper. Management estimate that almost 40% of this total, or approximately 39,600 tonnes of copper, is contained in oxide ore.
- Metallurgical testing of bulk samples has shown good leaching characteristics with recoveries up to 75% of copper from oxide ore at a -40mm crush size using solvent extraction / electrowinning ("SXEW") technology.
- Management believe there is significant potential to increase the copper resource both inside and outside the presently defined 2.8 km² Yubileiny project area.

The 2005 Yubileiny exploration programme covered approximately 2.8 km², just 1.2%, of the total 231.2 km² Beschoku-Yubileiny commercial discovery area. The programme included 16 km² of alteration mapping around the Yubileiny project area; 1,510 soil geochemical samples covering an area of 2.8 km²; a ground magnetic survey covering 2.8 km²; Induced Polarization

and Chargeability geophysics covering an area of 1.4 km²; and 2,460 metres of drilling consisting of 27 core holes ranging in depth from 80 to 193.2 metres.

Brian Savage, CEO of Frontier, comments, "We are excited by the results we are generating at Yubileiny which confirm the potential for a 25 km long copper district from Beschoku in the north to Yubileiny in the south. We have carried out intensive and focused exploration programmes for all our gold and copper assets this year, and believe we are proving our ability to quickly develop and add value to our projects."

Yubileiny oxide and sulphide copper resource summary

Deposit	Present size (km ²)	Cu Ore (mln t)	Cu Grade (%)	Contained Copper (tonnes)
Yubileiny oxide	0.215	6.0	0.66	39,600
Yubileiny sulphide	0.215	10.0	0.61	60,800
Total oxide and sulphide	0.215	16.0	0.63	100,400

2005 Yubileiny copper deposit exploration update

The 2005 exploration programme included the following:

Hydrothermal alteration mapping covering 16 km² was carried out using specially commissioned Ikonos satellite panchromatic imagery with 1 metre resolution as the basis for mapping. The major finds are as follows:

- Oxide copper mineralisation is hosted within a 12 km² zone of quartz: sericite alteration, in turn surrounded by silicified and argillized rocks
- Malachite-bearing oxide outcrops occur within the majority of the Beschoku-Yubileiny commercial discovery area.

Copper in soil geochemical survey covered approximately 2.8 km². Within this area sampling was undertaken on a 200 metres by 40 metres grid and yielded 370 samples. More detailed sampling was conducted in intensely mineralised areas on a 100 metres by 20 metres grid and yielded an additional 1,510 samples. Highlights of the survey were:

- Anomalies with copper varying from 500 ppm to 1,000 ppm cover an 1.8 km² area
- Anomalies with more the 1,000 ppm copper cover an 0.8 km² area

Ground magnetic survey covered approximately 2.8 km². Within this area the survey was conducted on a 200 metres by 10 metres grid and in strongly magnetic areas the survey was conducted on a 100 metres by 5 metres grid.

Induced Polarisation/ Chargeability survey covered approximately 1.4 km². Within this area the survey was conducted on a 200 metres by 25 metres grid and in high chargeability areas the survey was conducted on a 100 metres by 25 metres grid. The purpose of the survey was to firstly define sulfide mineralisation zones and secondly to trace them at depth. Internal

interpretation of the IP survey shows that copper mineralisation is located in the highly fractured zones where chargeability shows a sharp drop in gradient.

Diamond drilling programme at Yubileiny consisted of 27 drill holes totaling 2,460 metres. The drilling programme was designed to:

- test copper in soil geochemical anomalies and induced polarization-chargeability anomalies
- provide data for copper resource estimation as part of a proposed pre-feasibility study.

Results of the drilling programme include:

- Thickness of individual intervals of copper mineralisation varied from 1.5 metres to 15.0 metres
- Average cumulative thickness of mineralised intervals on drill holes reached 13 metres
- Oxide copper grade varied from 0.1% to 0.91%
- Oxide ore occurred to the depth of 27 metres

Metallurgical testing of two 300 kg oxide ore samples with copper grade varying from 0.46% to 3.44% has shown good leach results with copper recovery of 75% at -40mm crush size. This indicates the amenability of Yubileiny ore to SXEW processing.

Future plans

Additional drilling is planned in 2006, as part of a proposed pre-feasibility study, to upgrade resources to reserves using both JORC and Kazakhstan standards.

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About Frontier

Frontier Mining Ltd. is a mineral exploration and development company that was incorporated in the state of Delaware, USA, on August 5, 1998 for the purpose of exploring and developing gold and copper deposits in the Republic of Kazakhstan. Through its subsidiaries and affiliates, Frontier locates, evaluates, acquires, explores and develops mineral properties.

Frontier has two licenses owned by its wholly owned subsidiaries in Kazakhstan. They are the Naimanjal exploration and mining licence, held by FML Kazakhstan, and the Baltemir exploration licence, held by Baltemir LLP. Frontier has one producing gold mine, Naimanjal; one pre-feasibility stage gold project, Koskuduk; and one exploration stage gold prospect, Baltemir. Naimanjal is forecast by management to produce 25,000 ounces of gold in 2006 at a cash cost of \$250 per ounce. Frontier currently intends to double its gold production to 50,000 ounces in 2007 and double it again to 100,000 ounces in 2008. Management believes its gold projects contain more than two million ounces of oxide gold resource.

Frontier also has one pre-feasibility stage copper porphyry deposit with associated gold and molybdenum, Baitimir; and several copper/gold prospects along a 25-km trend including both VMS and porphyry types. Metallurgical tests on its Beschoku and Yubileiny copper projects confirm the oxide copper ore is amenable to extraction using low cost SX-EW technology.

Management believes the copper projects contain more than 1,000,000 tonnes (2.2 billion pounds) of copper (P1) resource with significant potential for increase. Frontier is currently evaluating acquisition opportunities in uranium, gold, and copper in Kazakhstan and the CIS countries.

Frontier shares are traded on the AIM market of the London Stock Exchange. Frontier has 89,209,931 ordinary shares issued and 10,723,747 outstanding options and warrants, giving 99,933,678 fully diluted ordinary shares.

Further company information may be accessed at the Frontier Mining Ltd. website at: www.frontiermining.com

Yubileiny 2005 Drill Hole Programme

Summary copper assay results above 0.1% Cu cut-off

Important note:

total for the "To" column refers to the total drill hole depth

total for the "Thickness, m" column refers to the sum of the thickness intervals in each hole

ave is the weighted average grade of copper in the mineralised zones.

Hole No.	Site	From	To	Thickness, m	Cu %
YB-1	Yubileiny	14.5	16.0	1.5	0.14
YB-1	Yubileiny	35.0	36.5	1.5	0.13
total or ave			80.0	3.0	0.14

Hole No.	Site	From	To	Thickness, m	Cu %
YB-2	Yubileiny	18.0	23.0	5.0	0.82
YB-2	Yubileiny	69.0	75.0	6.0	0.47
YB-2	Yubileiny	79.7	85.0	5.3	0.48
total or ave			85.0	16.3	0.58

Hole No.	Site	From	To	Thickness, m	Cu %
YB-3	Yubileiny	27.4	29.4	2.0	1.08
YB-3	Yubileiny	30.7	34.3	6.9	0.56
YB-3	Yubileiny	37.3	38.8	1.5	0.16
YB-3	Yubileiny	40.6	55.3	14.7	0.59
total or ave			82.5	25.1	0.6

Hole No.	Site	From	To	Thickness, m	Cu %
YB-4	Yubileiny	5.1	8.5	3.4	0.33
			85.0	3.4	0.33

Hole No.	Site	From	To	Thickness, m	Cu %
YB-7	Yubileiny	79.1	82.1	3.0	0.3
			116.4	3.0	0.3

Hole No.	Site	From	To	Thickness, m	Cu, %
YB-8	Yubileiny	30.6	33.6	3.0	0.12
YB-8	Yubileiny	118.0	121.0	3.0	0.15
			134.5	6.0	0.14

Hole No.	Site	From	To	Thickness, m	Cu %
YB-9	Yubileiny	144.0	151.9	7.9	0.91

			193.2	7.9	0.91
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Hole No.	Site	From	To	Thickness, m	Cu %
YB-10	Yubileiny	0.0	1.5	1.5	0.25
YB-10	Yubileiny	7.5	9.0	1.5	0.18
YB-10	Yubileiny	31.5	37.5	6.0	0.15
YB-10	Yubileiny	43.5	47.4	3.9	0.22
YB-10	Yubileiny	69.8	83.3	13.5	0.31
YB-10	Yubileiny	84.8	86.3	1.5	0.1
YB-10	Yubileiny	118.6	120.1	1.5	0.11
YB-10	Yubileiny	135.1	137.9	2.8	0.15
			137.9	32.2	0.23

Hole No.	Site	From	To	Thickness, m	Cu %
YB-11	Yubileiny	4.7	5.5	0.8	0.21
YB-11	Yubileiny	6.6	8.2	1.6	0.46
YB-11	Yubileiny	19.5	20.6	1.1	0.44
YB-11	Yubileiny	22.1	24.0	1.9	0.15
YB-11	Yubileiny	31.5	34.2	2.7	0.23
YB-11	Yubileiny	45.0	56.8	11.8	1.36
YB-11	Yubileiny	59.8	73.8	14.0	0.28
			100.0	33.9	0.66

Hole No.	Site	From	To	Thickness, m	Cu %
YB-12	Yubileiny	0.0	4.5	4.5	0.23
YB-12	Yubileiny	7.5	14.7	7.2	0.39
YB-12	Yubileiny	19.2	20.7	1.5	0.19
YB-12	Yubileiny	23.5	24.0	0.5	0.24
YB-12	Yubileiny	30.0	33.0	3.0	0.43
YB-12	Yubileiny	36.0	37.5	1.5	0.11
YB-12	Yubileiny	50.7	57.0	6.3	0.35
			125.5	24.7	0.32

Hole No.	Site	From	To	Thickness, m	Cu %
YB-13	Yubileiny	37.5	40.5	3.0	0.16
YB-13	Yubileiny	63.0	66.0	3.0	0.14
			104.0	6.0	0.15

Hole No.	Site	From	To	Thickness, m	Cu %
YB-15	Yubileiny	10.8	14.3	3.5	0.25
YB-15	Yubileiny	25.5	31.6	6.1	0.35
			132.3	9.6	0.31

Hole No.	Site	From	To	Thickness, m	Cu %
YB-17	Yubileiny	20.4	28.0	7.6	0.7
YB-17	Yubileiny	96.1	102.1	6.0	0.45

			120.0	13.6	0.59
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Hole No.	Site	From	To	Thickness, m	Cu %
NYB-2	Yubileiny	93.4	103.7	10.3	1.27
NYB-2	Yubileiny	106.7	111.2	4.5	0.26
NYB-2	Yubileiny	112.7	114.2	1.5	0.23
NYB-2	Yubileiny	124.7	130.7	6.0	0.37
			148.3	22.3	0.75

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