

Regulatory Announcement

Company [Frontier Mining Ltd](#)
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Frontier Mining Ltd. ("the Company" or "Frontier")

Results of 2005 Kotansor Copper Prospect Exploration Programme

Frontier is pleased to announce the results of its 2005 exploration programme at the Kotansor copper prospect.

Highlights

- Disseminated copper mineralisation is hosted by a 3 km long and 1 km wide granodiorite intrusive. Approximately 0.51 km², or 17%, of the intrusive was explored in 2005.
- The explored area contains three historic mine workings with reported production in the 1870's of about 1,000 tonnes of copper.
- The quartz-sericite alteration zone enveloping the oxide copper mineralisation covered 0.4 km².
- The preliminary inferred geologic resource (C2-P1) to a depth of 120 metres is estimated by management to contain approximately 14.2 million tonnes of ore at 0.22% Cu, or 31,400 tonnes of contained copper. Drilling indicated the oxide ore occurs from surface to a depth of 45 metres, and the chalcosite-rich secondary enrichment zone continues to a depth of 75 metres.
- Several drill holes contained intercepts of sulfide mineralisation with grades approaching 1% at depths of more than 100 metres. Management believes this mineralisation belongs to a district-wide deep-seated porphyry copper system.
- The Kotansor oxide ore is believed to be amenable to solvent extraction/ electrowinning ("SX-EW") processing and may serve as an additional resource to the larger copper resources at Baitimir, Beschoku and Yubileiny.

The 2005 exploration programme covered approximately 0.51 km², just 0.17%, of the total 231.2 km² Beschoku-Yubileiny commercial discovery area. The programme included 0.51 km² of alteration mapping; 263 soil geochemical samples covering an area of 0.51 km²; a ground magnetic survey covering 0.51 km²; Induced Polarization ("IP") and Chargeability geophysics covering an area of 0.51 km²; and 973.5 metres of drilling consisting of 13 core holes ranging in depth from 50 to 123.6 metres.

Brian Savage, CEO of Frontier, comments, "We have only just begun to explore Kotansor. The preliminary grade estimate is 0.22% copper and we have found additional mineralisation along the copper trend. We recognise that not all of our initial exploration efforts will produce

economic deposits but it does provide useful information for our ongoing exploration programme, and we will prioritise our efforts on those targets that offer the best potential.”

Kotansor prospect oxide and sulphide resource summary

| Deposit | Present size (km ²) | Cu Ore (mln t) | Cu Grade (%) | Contained Copper (tonnes) |
|--------------------------|---------------------------------|----------------|--------------|---------------------------|
| Kotansor oxide | 0.16 | 7.240 | 0.29 | 21,000 |
| Kotansor sulphide | 0.16 | 7.086 | 0.16 | 11,338 |
| Total oxide and sulphide | 0.16 | 14.256 | 0.22 | 31,400 |

2005 Kotansor copper prospect exploration update

The 2005 exploration programme included the following:

Hydrothermal alteration mapping indicates that the 0.4 km² quartz-sericite alteration zone envelops the oxide copper mineralisation. Alteration zoning typical for porphyry copper systems were found to exist and were mapped as follows:

- propylitic: 0.03 km²
- K-feldspar: 0.01 km²
- quartz-sericite: 0.4 km²

Copper in soil geochemical survey covered an area of approximately 0.51 km². Within this area sampling was conducted on a 200 metres by 40 metres grid and yielded 62 samples. More detailed sampling was carried out in intensely mineralised areas on a 50 metres by 20 metres grid and yielded an additional 201 samples. Highlights of the survey were:

- Anomaly with copper varying from 500 ppm to 1,000 ppm over a 0.08 km² area
- Anomaly with more than 1,000 ppm copper cover 0.02 sq. km²

Ground magnetic survey covered 2.6 km² along 6 profiles. Magnetic anomalies marked the oxide mineralisation zone in granodiorite located near its contact with basaltic host rocks.

Induced Polarisation/ Chargeability survey consisted of 1 IP profile which is 440 metres long and 6 magnetic profiles totaling 2.6 line km.

Diamond drilling programme at Kotansor consisted of 13 drill holes totaling 973.5 metres and 607 samples. All holes were drilled to test the copper in soil geochemical and geophysical anomalies. Results of the drilling programme include:

- Thickness of individual copper intervals vary from 0.6 metres to 8.0 metres
- Cumulative thickness of mineralised intervals in drill holes reaches 32.6 metres
- Oxide copper grade varies from 0.12% to 1.40%

Future plans

Frontier plans to explore the remainder of the mineralised granodiorite intrusive to find higher grade intercepts.

Enquiries:

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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

KOTANSOR 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, % |
|--------------|----------|-------|-------|-----------------|-------|
| BCH-14 | Kotansor | 9.0 | 14.5 | 5.5 | 0.17 |
| BCH-14 | Kotansor | 16.3 | 18.8 | 2.5 | 0.13 |
| BCH-14 | Kotansor | 28.0 | 32.0 | 4.0 | 0.10 |
| BCH-14 | Kotansor | 50.5 | 53.5 | 3.0 | 0.25 |
| BCH-14 | Kotansor | 101.6 | 103.0 | 1.4 | 0.12 |
| BCH-14 | Kotansor | 104.5 | 106.0 | 1.5 | 0.10 |
| BCH-14 | Kotansor | 108.5 | 114.5 | 6.0 | 0.39 |
| BCH-14 | Kotansor | 121.9 | 123.6 | 1.7 | 0.23 |
| total or ave | | | 123.6 | 31.1 | 0.20 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-19 | Kotansor | 0.00 | 4.5 | 4.5 | 0.30 |
| BCH-19 | Kotansor | 6.0 | 7.5 | 1.5 | 0.18 |
| BCH-19 | Kotansor | 9.0 | 10.5 | 1.5 | 0.51 |
| BCH-19 | Kotansor | 21.0 | 22.5 | 1.5 | 0.12 |
| BCH-19 | Kotansor | 24.0 | 28.0 | 4.0 | 0.19 |
| BCH-19 | Kotansor | 29.5 | 30.5 | 1.0 | 0.11 |
| BCH-19 | Kotansor | 38.5 | 40.0 | 1.5 | 0.32 |
| BCH-19 | Kotansor | 43.0 | 48.0 | 5.0 | 0.25 |
| BCH-19 | Kotansor | 57.0 | 60.6 | 3.6 | 0.17 |
| BCH-19 | Kotansor | 86.5 | 94.5 | 8.0 | 0.15 |
| BCH-19 | Kotansor | 99.0 | 105.0 | 6.0 | 0.32 |
| total or ave | | | 113.0 | 38.1 | 0.23 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-21 | Kotansor | 0.5 | 7.5 | 7.0 | 0.18 |
| BCH-21 | Kotansor | 15.0 | 16.5 | 1.5 | 0.09 |
| BCH-21 | Kotansor | 21.0 | 22.5 | 1.5 | 0.59 |
| BCH-21 | Kotansor | 51.7 | 57.4 | 5.7 | 0.13 |
| BCH-21 | Kotansor | 69.4 | 70.9 | 1.5 | 0.14 |
| total or ave | | | 112.5 | 17.2 | 0.18 |

| Hole No. | Site | From | To | Thickness, M | Cu, % |
|--------------|----------|------|------|-----------------|-------|
| BCH-26 | Kotansor | 19.5 | 20.4 | 0.9 | 0.17 |
| BCH-26 | Kotansor | 60.0 | 62.8 | 2.8 | 0.21 |
| BCH-26 | Kotansor | 65.8 | 67.4 | 1.6 | 0.13 |
| total or ave | | | 67.4 | 5.3 | 0.17 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-28 | Kotansor | 7.8 | 11.3 | 3.5 | 0.26 |
| BCH-28 | Kotansor | 14.5 | 18.0 | 3.5 | 0.23 |
| BCH-28 | Kotansor | 24.0 | 27.1 | 3.1 | 0.12 |
| BCH-28 | Kotansor | 34.6 | 36.1 | 1.5 | 0.10 |
| BCH-28 | Kotansor | 61.6 | 63.1 | 1.5 | 0.11 |
| total or ave | | | 80.8 | 13.1 | 0.18 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-29 | Kotansor | 11.3 | 12.8 | 1.5 | 0.11 |
| BCH-29 | Kotansor | 16.3 | 18.8 | 2.5 | 0.13 |
| BCH-29 | Kotansor | 19.9 | 21.7 | 1.8 | 0.14 |
| BCH-29 | Kotansor | 41.9 | 46.4 | 4.5 | 0.14 |
| BCH-29 | Kotansor | 49.2 | 50.7 | 1.5 | 0.41 |
| BCH-29 | Kotansor | 54.6 | 55.8 | 1.2 | 0.15 |
| BCH-29 | Kotansor | 68.4 | 69.7 | 1.3 | 0.10 |
| total or ave | | | 70.7 | 14.3 | 0.16 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-30 | Kotansor | 5.3 | 7.1 | 1.8 | 0.15 |
| BCH-30 | Kotansor | 27.5 | 28.7 | 1.2 | 1.40 |
| BCH-30 | Kotansor | 31.3 | 37.0 | 5.7 | 0.62 |
| total or ave | | | 52.1 | 8.7 | 0.63 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-31 | Kotansor | 43.9 | 46.9 | 3.0 | 0.13 |
| total or ave | | | 50.0 | 3.0 | 0.13 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-32 | Kotansor | 0.2 | 3.0 | 2.8 | 0.34 |
| BCH-32 | Kotansor | 30.6 | 31.4 | 0.8 | 0.19 |
| BCH-32 | Kotansor | 32.8 | 33.8 | 1.0 | 0.26 |

| BCH-32 | Kotansor | 39.4 | 40.9 | 1.5 | 0.37 |
|--------------|----------|------|------|-----------------|-------|
| BCH-32 | Kotansor | 45.5 | 47.0 | 1.5 | 0.59 |
| BCH-32 | Kotansor | 50.0 | 51.5 | 1.5 | 0.16 |
| BCH-32 | Kotansor | 53.0 | 59.2 | 6.2 | 0.40 |
| total or ave | | | 61.5 | 15.3 | 0.36 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-33 | Kotansor | 1.6 | 4.6 | 3.0 | 0.19 |
| BCH-33 | Kotansor | 13.0 | 13.6 | 0.6 | 0.16 |
| BCH-33 | Kotansor | 22.4 | 23.8 | 1.4 | 0.12 |
| BCH-33 | Kotansor | 40.6 | 41.6 | 1.0 | 0.17 |
| total or ave | | | 62.2 | 6.0 | 0.17 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-34 | Kotansor | 4.4 | 5.5 | 1.1 | 0.17 |
| BCH-34 | Kotansor | 15.1 | 16.6 | 1.5 | 0.11 |
| BCH-34 | Kotansor | 25.9 | 33.4 | 7.5 | 0.56 |
| BCH-34 | Kotansor | 34.8 | 36.3 | 1.5 | 0.13 |
| BCH-34 | Kotansor | 37.8 | 39.3 | 1.5 | 0.12 |
| total or ave | | | 69.4 | 13.1 | 0.37 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-35 | Kotansor | 32.9 | 34.4 | 1.5 | 0.16 |
| total or ave | | | 59.1 | 1.5 | 0.16 |
| | | | | | |
| Hole No. | Site | From | To | Thickness, M | Cu, % |
| BCH-36 | Kotansor | 0.1 | 3.6 | 3.5 | 0.15 |
| BCH-36 | Kotansor | 17.0 | 19.1 | 2.1 | 0.34 |
| BCH-36 | Kotansor | 21.5 | 23.6 | 2.1 | 0.23 |
| BCH-36 | Kotansor | 28.5 | 29.5 | 1.0 | 0.10 |
| BCH-36 | Kotansor | 32.7 | 35.7 | 3.0 | 0.24 |
| BCH-36 | Kotansor | 37.2 | 38.3 | 1.1 | 0.24 |
| total or ave | | | 51.2 | 12.8 | 0.22 |

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