

FireFox Gold Delineates Multiple Drill Targets and Plans Fall Drill Program at Mustajärvi Gold Project

30.09.2020 | [CNW](#)

VANCOUVER, Sept. 30, 2020 - [FireFox Gold Corp.](#) ("FireFox" or the "Company") is pleased to announce that the summer exploration program has successfully generated a series of drill targets throughout its extensive gold property portfolio in the Central Lapland Greenstone Belt ("CLGB") of Finland. The FireFox technical team, including the experts at GoldSpot Discoveries (TSXV: SPOT) ("GoldSpot"), has completed a ranking of the various targets to guide an aggressive drilling program, which the Company intends to commence this fall starting at the 100% owned Mustajärvi Gold Project ("Mustajärvi" or "the Project").

Mustajärvi is FireFox's most advanced project. The Company has completed two previous drilling campaigns, with multiple intervals of high-grade gold intersected, and mineralization remaining open in three directions and down-dip.

FireFox's summer 2020 program integrated new and existing data from rock and trench sampling, till surveys, geophysical surveys, and structural analysis. At Mustajärvi, this process generated three types of priority drill targets:

- Continuation of chargeability anomalies into metasediments north of known mineralization;
- Major structural intersections and flexures coincident with geophysical anomalies; and
- Structurally disrupted rigid bodies with alteration as well as gold and geochemical anomalies in till.

Dr. Richard Goldfarb, Technical Advisor for FireFox, noted the prospectivity of this southern portion of the CLGB where FireFox, Rupert Resources, B2 Gold, and Aurion Resources are actively exploring: "The southern part of the Kittilä terrane is marked by the structurally complex Sirkka-Venejoki system of faults that has been long noted as related to numerous gold occurrences. Recent drilling activity on these anomalies in this structural corridor by a number of companies clearly indicates that the area comprises a part of the Central Lapland Greenstone Belt that is highly prospective for the discovery of large orogenic gold deposits."

Dr. Goldfarb went on to comment on the discovery potential seen at Mustajärvi: "FireFox's Mustajärvi occurrence comprises gold-bearing veins along a sedimentary-volcanic rock contact within the trans-crustal Venejoki Fault. Two concealed rigid gabbro bodies on opposite sides of the fault, to the southwest of any past workings, represent distinctive sites of heterogeneous stress that are typical of environments world-wide hosting major orogenic gold deposits. Structures reflecting highly fractured intrusive rock identified from geophysical modeling now indicate some very exciting drill targets in this part of Mustajärvi."

Additional details on the fall drilling program will be provided in the coming weeks.

Mustajärvi Project Highlights

The Mustajärvi Project is situated approximately 17 kilometres east of the town of Kittilä in flat, glacial till-covered terrain occupying high ground that is reached via paved highway, making it easily accessible for a fall drill campaign.

FireFox has completed extensive work at Mustajärvi, including: detailed ground magnetics, an induced polarization ("IP") survey, extensive bottom-of-till ("BOT") drill sampling, a small amount of trenching, and two separate diamond core drilling campaigns in 2018 and 2019. Highlights of the previous drilling campaigns include the discovery of several intervals of high-grade gold mineralization as well as lower grade gold intersections in most of the drill holes:

- Drill hole 18MJ0010 included 2m @ 45.1 g/t Au (Company news release dated Jan 21, 2019)
- Drill hole 19MJ006 intercepted 1.95m @ 12 g/t Au in a 500-metre step-out hole (Company news release dated Jan 15, 2020)

Technical Discussion of Mustajärvi Targets

Outcrop is rare in this part of Lapland. At Mustajärvi, glacial till and other sediments average approximately 3 metres in depth. The historical prospect was discovered by Outokumpu Oyj in the 1990s based on exceptionally high gold content in local till. The abundant native gold in till attracted artisanal gold miners, who exploited small surficial deposits, exposing outcrop in the shallow open pits. The surface mineralization is typical of other orogenic gold occurrences in the southern part of the belt. These are typically hosted by albitized mafic-ultramafic metavolcanic and clastic metasedimentary rocks, where the gold is associated with pyrite- and telluride-bearing quartz and quartz-tourmaline veins. Previous owners Outokumpu Oyj and Aurora Exploration Oy ("Aurora"), in, respectively, 1990-1992 and 2017, conducted ground geophysical surveys (magnetic, IP, and self-potential), trenching, systematic till geochemistry, and drilled 12 shallow diamond drill holes to depths up to 72 metres.

Historic drilling on the Project by Outokumpu Oyj intersected shallow gold mineralization, including 2.7m @ 14.6 g/t Au (from 20.7m), 12.0m @ 2.7 g/t Au (from 21.0 m), and 1.01m @ 18.8 g/t Au (from 41.0m). The drilling suffered from significant core loss due to faulting and fracturing, therefore, widths may not represent true thickness. Aurora geologists also collected grab samples during the 2017 field season from trenches and boulders; one sample of sulfide-rich quartz vein material assayed 79.8 g/t Au.

While the Company believes the preceding historical drilling and sampling data are reliable, readers are cautioned that a "qualified person" (as defined by National Instrument 43-101) has not yet completed sufficient work to be able to verify the historical information, and therefore the information should not be relied upon.

FireFox geologists later confirmed the presence of high-grade gold in surface channel samples, which were reported in a Company news release dated Jan 3, 2019. There were 33 chip samples collected from a vein system and adjoining wallrock over 45 metres of strike. These samples ranged from <0.005 to 140.5 g/t Au and averaged 10.84 g/t Au, including numerous samples of more than 10 g/t Au. This work was followed up by two drill programs in 2018 and 2019 as summarized above. Drilling to date has tested less than 800 metres of strike along the major fault system that hosts the known high-grade gold and only to depths of less than 200 metres below surface. The drilling indicated mineralization remains open in three directions and down dip.

The 2020 summer field program included significant mapping and prospecting activity across the FireFox portfolio of properties. In addition to FireFox geologists, GoldSpot dispatched a senior structural geologist to join the FireFox field teams. At Mustajärvi, the team excavated eight trenches/test pits on the western end of the property in an attempt to reach bedrock. Only four of the trenches reached bedrock, and in these cases, geologists observed gabbroic rocks with several parallel quartz veins, with strong alteration halos surrounding the veins. The most significant gold result was 296 ppb, from a till sample taken at a depth of 4 metres.

The integrated effort between FireFox and GoldSpot has improved confidence in several geophysical anomalies, especially where they coincide with prospective structural features and geochemical anomalies in BOT samples. Target area 1 is located in the western part of the license, approximately 900 metres southwest from the known mineralization. The target is associated with a rheologically competent gabbro which offers a strong contrast with the surrounding metasediments. The competent gabbro appears to have accommodated deformation by fracturing, and it is located at an intersection of regional structures observed in magnetics, the southwest continuation of the Mustajärvi shear zone, and northwest-striking D3 faults. This target area is also associated with anomalous gold, tellurium, and bismuth in till.

Target area 2 is located on the northern side (footwall) of the main Mustajärvi mineralization where anomalous till values (elevated gold, tellurium, and bismuth) are closely associated with geophysical conductors parallel and in close proximity to known auriferous veins. Target area 3 is located within a structurally complex setting in central Mustajärvi, where the main shear zone deflects, apparently influenced by other northeast-trending faults. It is also coincident with a plunging IP (chargeability) anomaly and gold

