

Lion One Commences Metallurgical Testing on Tuvatu Gold Project, Fiji

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VANCOUVER, BRITISH COLUMBIA -- ([Marketwire](#) - March 6, 2012) - [Lion One Metals Limited](#) (TSX VENTURE:LIO) (OTCQX:LOMLF) (FRANKFURT:LY1) (the "Company") is pleased to announce that it has commissioned mining services company Gekko Systems Pty. Ltd. of Ballarat, Australia, to conduct metallurgical testwork on its Tuvatu Gold Project on the island of Viti Levu, Fiji.

The company has shipped a 300 kg sample of drill core composites to Australia for comminution, gravity, and flotation testwork. Results of the tests will indicate amenability to processing routes which may include gravity concentration, flotation, intensive or traditional leaching, and gravity recoverable gold. Initial testing is expected to be completed in approximately four months.

Previous Metallurgical Testing

Previous metallurgical studies performed on Tuvatu ores include a batch treatment campaign carried out in 1997 by Emperor Gold ("Emperor"), on 968 tonnes of ore with a head grade of 3.63 g/t Au. The bulk sample was treated through the Emperor Mill at Vatukoula, located 40 km NE of Tuvatu, yielding overall gold recoveries of 86.3%. Subsequent laboratory tests carried out by Metcon in connection with the 2000 feasibility study by Bateman Kinhill on a 338 kg bulk sample yielded 90% recoveries from a combination of gravity, flotation, and cyanidation. The Company considers these tests to be relevant as they demonstrated that the ores tested were amenable to conventional treatment, but is not relying on their conclusions as the current tests will be conducted under different specifications using current processing technologies.

Process and Flowsheet Design

If warranted, further testwork will focus on developing a recovery process flowsheet, assessing the economics of gold extraction, generating capital and operating cost models, and design parameters for any proposed processing facilities. This development work will be conducted in tandem with field work designed to expand and increase current gold resources, build an inventory of mineable gold, and advance Tuvatu towards production.

New Appointments

The Company also announces David Pals has been appointed as the Company's Exploration Geologist. Mr. Pals was a Research Geologist at the Iowa Geological Survey for nine years, from 2002 to 2011, and has relocated to Nadi, Fiji, to oversee field work and resource modeling at Tuvatu. Mr. Pals holds a MSc. in Geology, Economic Geology, and Mineral Resources from Iowa State University and completed his thesis in a study on ore zones at the Emperor Gold Mine in Vatukoula, Fiji, in 2002. He is a member of the Society of Economic Geologists (SEG) and the Geological Society of America. Mr. Pals was awarded an Expert Field Medical Badge as a medic in the US Army, earning an Honorable Discharge. The Company also wishes to announce that Mr. Brian V. Hall has resigned from the Board of Directors. The Company's current Board of Directors consists of Walter H. Berukoff, Richard Meli, David Duval, George S. Young, and Kelly Fielder.

The Tuvatu Gold Deposit

The Tuvatu Gold Project is located near Nadi, Fiji, along the Viti Levu lineament, a mineral belt hosting Fiji's known gold deposits, including the Vatukoula Gold Deposit 40 km to the north east. Low sulphidation, epithermal gold veins at Tuvatu occur along the margins of the eroded Navilawa Caldera, in a multi-phase geologic environment. The Fijian Islands are situated along the SW Pacific Rim regional tectonic plate, in a region associated with world class epithermal gold-silver and porphyry copper-gold deposits such as Lihir, Porgera, Wafi-Golpu, Ok Tedi (Papua New Guinea), and Lepanto (Philippines).

Qualified Person

Darcy Krohman, P.Geo, a Qualified Person for the Company for purposes of National Instrument 43-101 has reviewed the technical information in this news release.

On Behalf of the Board of Directors

Walter H. Berukoff, Chairman of the Board
[Lion One Metals Limited](#)

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