



## **Press Release**

April 20, 2011

**FOR IMMEDIATE RELEASE**

# **Champlain Defines Numerous High Priority Drill Targets at Boston Gold Project, Red Lake, Ontario**

## **Highlights**

- **Six new high chargeability geophysical targets defined**
- **Northern and Southern Laird Lake Zones traceable for 1.3 kilometers and 2 kilometers respectively**
- **Significant belt of structurally complex ultramafics under Laird Lake interpreted from magnetometer data**
- **Preliminary ICP assays show gold values up to 49ppb Au under Laird Lake**

**April 20, 2011, Calgary Alberta, Canada - Champlain Resources Inc. (TSXV - CPL)** ("Champlain" or the "Corporation"), is pleased to announce the results of an in-house geophysical interpretation of data collected during a recently completed Phase 2 Exploration Program on its 100% owned Boston Project located in the prolific Red Lake District of Northern Ontario. The program consisted of spectral induced polarization/resistivity, high resolution potassium magnetometer and lake-bottom geochemistry surveys. To date, only preliminary ICP gold values have been received from the Lake Sediment program. Multi-element assays along will be released once final data has been received. A brief description of the targets generated from the various surveys has been provided below. Plan maps showing the results of each survey can be found on the Champlain website at [www.champlainresources.com](http://www.champlainresources.com).

Mr. Troy Mochoruk states, "We are extremely pleased with the geophysical and preliminary geochemical results of the Phase 2 Exploration Program. Champlain has now confirmed that we are in the right geologic environment to host Red Lake style high-grade gold deposits. Champlain has now delineated numerous geophysical targets at Laird Lake that have gold in lake sediments associated with them. The magnetometer survey proved very successful in delineating numerous structures of interest within the ultramafic units located under Laird Lake. Most notably, to our knowledge, the potential for gold bearing structures in this area has never been investigated."

## **Phase 2 Geophysical and Lake Sediment Sampling Results**

The Induced Polarization/Resistivity geophysical program proved very successful in identifying and delineating at least **6 priority IP targets** of interest around and under Laird Lake; four of which are considered to be of higher priority. These anomalies have been termed the Laird Lake Southern Zone, Central Zone, Western Zone and Northern Zones.

### **Laird Lake Southern Zone**

This zone is located along the south shore of Laird Lake and has been successfully delineated over a 2 kilometer strike length. The **Laird Lake South Zone**, trends approximately east-west and is characterized by strong chargeability responses up to 35 mV/V with corresponding high resistivities. The zone sits directly on the contact between resistive metavolcanics and interpreted ultramafic units under Laird Lake. Numerous historic gold occurrences along with samples collected during 2009 by Champlain correspond directly to this zone. Limited historic drilling in this area during a 1989 drill campaign returned values up to 6.4 g/t Au over 1.5 meters. This entire zone represents a high priority target that will require follow up work including drill testing.

### **Laird Lake Central Zone**

A second priority target, termed the **Laird Lake Central Zone**, occurs completely hidden under Laird Lake. The zone is located south of the granite contact and within the interpreted ultramafic package. The anomaly is arcuate in shape, occurs over a strike length of 1.3 kilometers and is characterized locally by chargeability highs, moderate resistivity and local spotty zones of high magnetics. The increase in resistivities in this area is interpreted to be related to quartz veining or silicification. Elevated gold in lake sediment samples flank the anomaly to the north in the central portion of the zone.

### **Laird Lake Western Zone**

A third target, termed the **Western Zone**, occurs on the west side and under the lake. The zone is characterized by a strong chargeability response and correlates directly with a moderate resistivity high. The anomaly also occurs very near the north contact with the Kilalla Granite. The Western Zone is northeast trending and has been delineated by two lines of data remaining open in both directions. The Western Zone also correlates directly with elevated gold in lake-bottom sediments.

### **Laird Lake North Zone**

The **Laird Lake North Zone** occurs on the north shore of the lake and within the granite contact. The zone is characterized by a high chargeability, high resistivity and locally high magnetic response. The zone is also located immediately north of a well defined lake sediment geochemistry anomaly which is currently thought to be the result of potential runoff from the Laird Lake North Zone.

All targets delineated by the Phase 2 Exploration Program along with several other lower priority targets will require drill testing to determine the source.

The geological model for the Boston Project is similar to that of other companies in the Red Lake District. Champlain is targeting high grade, shear hosted vein systems along the ultramafic hanging/footwall contacts. High grade gold has been confirmed on the project in this environment with values returned from quartz veins grading up to 75.9 g/t Au (see Press Release dated November 30, 2010).

The information in this news release has been prepared, reviewed and approved by R. Dean Fraser, P.Geo, a “qualified person” under National Instrument 43-101.



For further information contact:

Mr. Troy Mochoruk  
Chairman and CEO:  
#1614, 246 Stewart Green SW  
Calgary, AB T3H 3C8  
Tel: (403) 618-8989  
[tdmochoruk@shaw.ca](mailto:tdmochoruk@shaw.ca)

[www.champlainresources.com](http://www.champlainresources.com)

### **Cautionary Statement Regarding Forward Looking Information**

This press release may contain forward-looking statements which may include plans, expectations, opinions, forecasts, projections or other statements that are not statements of fact, in particular comments relating to actively exploring the Laird Lake area and moving the Laird Lake program to a drill ready stage during 2011. Although the Corporation

believes that the expectations reflected in such forward-looking statements are reasonable, it cannot give any assurance that such expectations will prove to be correct.

Achieving the expected timelines and expectations, may be affected by a variety of variables and risks associated with the capital markets and the mining and mineral processing industry, the ability of the Corporation to obtain sufficient financing to complete the program, as well as risks and variables associated in general with the Corporation's industry. As such the future plans and objectives of the Corporation are forward-looking statements that involve risks and uncertainties and may be based on assumptions that could cause actual results to differ materially from those anticipated or implied in such statements. The Corporation has, in part, relied on information provided in the report prepared by ALS in order to develop its forward-looking statements and there is no assurance that the assumptions, forecasts or information relied upon by the Corporation is correct, or will not be affected by events or circumstances beyond the control of the Corporation. The Corporation's forward-looking statements are expressly qualified in their entirety by this cautionary statement. Unless otherwise required by applicable securities laws, the Corporation does not intend nor does it undertake any obligation to update or review any forward-looking statements to reflect subsequent information, events, results or circumstances or otherwise.

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