

ANNUAL REPORT ON THE LEAH MARIE CLAIM

OMINECA MINING DIVISION, BC

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NTS 93 0/4

Latitude: 55 07'N

Longitude: 123 51'W

OWNER: Dave Forshaw Box 419 Mackenzie, B.C. V0J 2C0

BY: Dave Forshaw

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### LOCATION AND ACCESS

The property is located approximately 140 kilometers northwest of Prince George and 68 kilometers west of Mackenzie, B.C. The Leah Marie claim is centered on 55 07' north latitude and 123 51' west longitude on NTS sheet 93 0/4. It is accessible by the north branch of the Finlay Philip Forest Service Road at kilometer 60 from spring to fall or by helicopter from Mackenzie year-round.

### TOPOGRAPHY AND VEGETATION

The topography of the area is rolling hills ranging in elevation from 980 meters (2990 ft.) above sea level (ASL) to 1250 meters (3800 ft.) ASL covered with economic stands spruce and fir and poplar trees. The best exposure of bedrock is usually found in logging cuts and along road cuts.

### PROPERTY STATUS

The property consists of a, 4 - post mineral claims -20 units, and four 2 - post claims.

CLAIM NAME	RECORD NO.	UNITS	EXPIRY DATE	OWNER
Leah Marie	393473	20	May 24, 2005	D Forshaw
LM1	393488	1	May 24, 2005	D. Forshaw
LM II	393489	1	May 24, 2005	D. Forshaw
LM III	393490	1	May 24, 2005	D. Forshaw
LM IV	393491	1	May 24, 2005	D. Forshaw

### **HISTORY**

The property is located east of Placer Dome's Mt. Milligan copper/gold porphyry deposit. It was originally staked by D.L.Cooke and Associates Ltd. to cover part of a small aeromagnetic anomaly which occurs approximately 4.5 kilometers east of the Mt. Milligan copper-gold deposit. Reconnaissance induced polarization and resistivity survey, geological mapping, rock and soil sampling were done over the western part of the property in August of 1991.

A single drill hole tested part of the magnetic anomaly and is reported to have encountered pyritic black argillites (R. Shives, pers. comm.).

In 1991 the Geological Survey of Canada (GSC) conducted a high resolution airborne gamma ray spectrometric (AGRS) survey over the Mt. Milligan area (Shives et al, 1991).

This survey delineated potassic halo "bulls-eyes" over the Mt. Milligan, Taylor, Wit, Chuchi, and other known deposits and identified several new targets, one of which lies mostly under the Lac 1 claim. The anomaly under the Lac 1 claim is known as the "K5".

The Lac 1 and 2 claims were allowed to lapse in 1994 and the Lac 1 claim was restaked by D. Forshaw, who optioned the claim to Pacific Mariner Explorations Ltd. which was renamed Abitibi Mining Corp. in 1995. Under Pacific Mariner the property was explored by soil sampling over the heart of the main AGRS potassic anomaly, sampling that mostly duplicated D.L.Cooke's earlier work. The results returned were somewhat better than Cooke's, defining a weak northeast trending copper anomaly along a topographic lineament. Two lines of IP were also run with promising results. One hole was drilled in 1996 through fractured pyritic mudstone.

Abitibi Mining Corp. dropped the Lac 1 claim. In 1998, the property was restaked by D. Forshaw who renamed it the Leah Marie. A ground survey, on the west side of the property, was done using a 256 channel gamma ray spectrometer. This was done in order to get more specific information to determine the exact boundaries of the anomaly. Forty-four readings were done on a 100m x 75m grid.

In 2002, four two post claims were staked along the western boundry, and a soil survey done on the west portion of the claim. The results included anomolous cu. In the summer of 2004 another soil survey was conducted, adding further information to the grid.



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#### REGIONAL GEOLOGY

The property is located within the northern part of a narrow northwesterly trending assemblage of lower late Triassic island arc volcanics and associated sedimentary facies known as the Quesnel belt and defined locally as the Takla Group. These rocks are intruded by coeval plutons which range up to Early Jurassic in age (Nelson et al., 1991). The large Multiphase Hogem Batholith, located approximately 25 kilometers west of the property, is the largest pluton in the area. The property is located near the eastern margin of Quesnellia which is marked by a complex zone of faults that separate the Takla rocks from the Late Paleozoic Slide Mountain Terrain and, metamorphic rocks of autochthonous North America.

The Quesnel belt is known to host a number of copper-gold porphyry deposits associated with alkalic magmatism, including the Afton, Kemess, Mt. Polley mines, and the Mt. Milligan deposit. Mt. Milligan contains geologic reserves of 400 million tonnes grading 0.48grams per tonne gold and 0.2% copper, and is located 9 kilometers west of the Leah Marie property.

#### PROPERTY\_GEOLOGY

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The Leah Marie claim lies over the eastern portion of a small boomerang shaped aeromagnetic anomaly, which lies to the southeast of the larger Mt. Milligan aeromagnetic anomaly. The property covers the approximate area of a potassium anomaly found by Rob Shives in the GSC 1991 Airborne Geophyssical Survey, open file 2535. Magnetic highs and potassium anomalies of this nature are often related to small plutons that are the center of a porphyry system.

The property is extensively covered by glacial material. Some rock exposures occur in the northwestern parts of the claims indicating that the area is underlain by sheared and altered Takla volcanic flows and fragmentals. Minor amounts of black, pyretic argillites occur in the southwest corner of the property.

Various amounts of pyrite occur in the sheared volcanic rocks. Alteration consists of silicification and carbonatization. In the northwest part of the property, carbonatized rocks contain quartz, carbonate and pyrite veinlets. The silica and carbonate alteration zone is anomalous in arsenic and copper. Although the dimensions are not known, it appears to be trending to the northeast and may be fault-controlled.



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### WORK PROGRAM

One line of soil samples were completed on the Leah Marie mineral claim. The line ran north from a point 2500 meters east of the south west corner. Soil samples were taken every one hundred meters, for one thousand meters. Nine samples were analyzed for this report.

The area of work was chosen to help understand the mineralization in the south eastern part of this claim.

#### GEOCHEMICAL SURVEY METHODS

The soil samples were taken primarily from areas where no logging had occurred and soil structure was still intact. Sample stations are at one hundred meter intervals and marked with flagging tape. Soil samples were taken from the "B" horizon, found at depths of five to fifty centimeters, using a spade. The samples were placed in Kraft soil sample bags and dried prior to shipping to Acme Analytical Laboratories for analysis. Each sample was tested for gold, copper, and twenty seven other elements using I.C.P.

#### GEOCHEMICAL SURVEY RESULTS

The results of the survey on the Leah Marie mineral claim this year were not anomalous in copper, with highs of 28 ppm and the low being 14 ppm respectively. The highest gold was 13.4 ppb. This area had not previously been tested, so will help us to further understand the limits of mineralization.

HOIT 3934 LEAH MARIE LMI 393473 293490 AU (PPD) Cu(PPM) 27 2.0 2500 E 900N LM04-9 2500 E 800N LM04-8 15 2.2 2500E 700N LM04-7 14 1.5 20 1.6 2500E 600N 2M04-6 20 MI 1.8 2500E 500N 28 .5 2500£ 400N 26 2500E 300N 1.9 19 13.4 2500E 200N 21 2.4 2500E 100N



## SUMMARY AND CONCLUSIONS

The Leah Marie mineral claim are underlain by rocks of the Quesnel Belt which are known to host a number of copper - gold porphyry deposits associated with alkalic magnetism including the Mount Milligan deposit which lies just seven kilometers to the west. A potassic anomaly covers the mineralized areas found on the Mount Milligan deposit. A potassic anomaly also exists on the Leah Marie claim. The geochemical sampling

program shows that weakly anomalous copper/gold in soils exists at the south west part of the claim which warrant follow-up work. The soil samples taken on the south east part of the claim boundary had no anomalous copper/gold.

The recommendations for the 2005 work program are to extend the grid and sample to the north in the south eastern section of the claim and carry out further sampling to the north of Sample LM04 - 9 at the eastern boundary of the Leah Marie claim. In doing so, it is hoped to more clearly define the mineralization associated with the potassic "bullseye" identified in the AGRS survey.

DG2-Accreatized CHEMICAL VALYSIS OBRUIP David File # A5012198 Page 1 19. McLeuis schul zub schumertei Bes sevid tornan Daven පු പ് SAMPLE# Au\* ppb 6042531716 FAX NO. TM04-1 LM04-2 2.4 13.4 1.9 .5 1.8 1.6 **RE LM04-2** LM04-3 LM04-4 LM04-5 LM04-6 1.52.2 2.0 5.1 1.9 LAB LM04-7 LM04-8 LM04-9 AM ACME ANALYTICAL LM04-10 LM04-11 09:50 STANDARD DS6 47.9 MAY-04-2005 4ED GROUP 3A - 15 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HOL-HWO3-HZO AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, AMALYSED BY ICP-HS. UPPER LINITS - AU\* = 100 PPH. - SAMPLE TTPE: Soil Pulp Samples beginning (RE/ are Reruns and 'RRE/ are Reject Reruns, Data 📐 ZA DATE RECEIVED: AP# 26 2005 DATS REPORT MAILED: All results are considered the confidential property of the client. Acmo assumes the limbilities for actual cost of the analysis only.

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# LEAH MARIE CLAIM - EXPENDITURES

# SALARIES

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Dave Forshaw 4 man days @ 150/day		600,00
Assistant - 4 man days @ 150/day		600.00
REPORT PREPARATION		
Dave and Valerie Forshaw		180.00
LOGISTICAL COSTS		
Food and Lodging Vehicle, Fuel and Maintenance		400.00 500.00
ANALYSIS - SOIL TESTING		
9 Samples @ 6.75 (Group ID)		60,75
9 Samples @ 7.50 (Group 3A AU - 15 gm)		67,50
9 SS80 Soil Preparation @ 1.65	<b>T</b>	14,85
	Tax	10.02
EQUIPMENT COSTS		
Chain Saw, Supplies and equipment		488.88
FILING FEES		240.00
SUBTOTAL		3162.00
ADMINISTRATION FEE (15%)		474.00
TOTAL		3636,00

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# STATEMENT OF QUALIFICATIONS - FOR DAVID FORSHAW

- 1. Thirty-four years of active prospecting experience.
- I have completed courses in the following: Basic Prospecting, Advanced Prospecting,
  Drift Prospecting, Radiometric Geology, Geochemical, Placer, Industrial Minerals and Carlin Geology, (Microscopic Gold in Sediments),
  Type Au Deposits. I have attended the Cordilleran Roundup Mining Convention in Vancouver and the Minerals North Conference each year. I have also attended a great number of talks given by specialists in the mining field.
- I have organized and assisted in twelve Basic Prospecting Courses, one advanced Prospecting Course, one Placer Course, instructed one Basic Prospecting Course. led field trips, and assisted instructors in a number of Prospecting courses.
- 4. I am the mining representative for the District of Mackenzie Economic Development Advisory Committee.
- I represented the B. C. & Yukon Chamber of Mines in the Mackenzie L.R.M.P. process.
- Lassist teachers in Mackenzie and Prince George Elementary and High Schools with their Geology related subjects, in the classroom and on field trips. I now do this through the CAST Program (Scientists & Innovators in the Schools).
- 7. I am a member of the Omineca Exploration Group and actively work to bring the prospectors in our area educational courses, field trips, and interesting speakers from all aspects of the mining field.
- 8. I have also taken courses in Holistic Forestry and other forest related courses to further my understanding of our environment and for reclamation purposes.
- 9. I have staked numerous mineral, placer, and industrial mineral claims, then done different types of surveys on them. I then wrote reports regarding these surveys.
- 10. I have negotiated option agreements on a number of mineral claims with mining companies.

I believe that this experience and training qualifies me as a prospector.

Horsha)

R.D. Forshaw

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