

#### ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2013 Prospecting and Geochemical Assessment Report on

Mineral Claim 514101, Lawyers Property

TOTAL COST: \$5,344.72

AUTHOR(S): R.A. (Bob) Lane

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): n/a STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): n/a

YEAR OF WORK: 2013

PROPERTY NAME: Lawyers

CLAIM NAME(S) (on which work was done): 514101

COMMODITIES SOUGHT: Au, Ag, Cu

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Omineca

NTS / BCGS: 094E.024, 025, 034, and 035

LATITUDE: 57° 18' 15.8"

LONGITUDE: 127° 08' 18.6" (at centre of work)

UTM Zone: 9 EASTING: 612149 NORTHING: 6352805

OWNER(S): PPM Phoenix Precious Metals Corp.

MAILING ADDRESS: 307-1497 Marine Dr., West Vancouver, British Columbia, Canada V7T 1B8

OPERATOR(S) [who paid for the work]: PPM Phoenix Precious Metals Corp.

MAILING ADDRESS: 307-1497 Marine Dr., West Vancouver, British Columbia, Canada V7T 1B8

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude): Jurassic, Hazelton Group, Toodoggone Formation, Andesites, Dacites, Crystal Tuffs

#### REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

 $\frac{02822,\,03315,\,03416,\,03837,\,03841,\,04615,\,04646,\,05106,\,05167,\,05825,\,08330,\,08388,\,09244,\,09478,\,09704,\\ 10728,\,11479,\,11510,\,11606,\,12877,\,16952,\,17414,\,20405,\,20629,\,26728,\,27291,\,27663\,\,,\,28322\,\,,\,29050\,\,,\,29529\,\,,\\ 32055.$ 

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	=		
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Airborne			
GEOCHEMICAL (number of samples multi-element and gold)	s analysed for		
Soil 2		514101	\$344.72
Silt 5		514101	\$2,500.00
Rock 5		514101	\$2,500.00
Other			
DRILLING (total metres, number of h	oles, size, storage location)		
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale	e, area)		
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (n	netres)		
Other			
		TOTAL COST	\$5,344.72

BC Geological Survey Assessment Report 34712

# 2013 PROSPECTING AND GEOCHEMICAL ASSESSMENT REPORT ON MINERAL CLAIM 514101, LAWYERS PROPERTY

#### **OMINECA MINING DIVISION**

#### **BRITISH COLUMBIA**

BCGS MAPS 094E.024, 094E.025, 094E.034 AND 094E.035 LATITUDE 57.3044°N AND LONGITUDE 127.1385°W STATEMENT OF WORK EVENT: 5489771

**PREPARED FOR:** PPM Phoenix Precious Metals Corp.

307- 1497 Marine Drive

West Vancouver, British Columbia

Canada, V7T 1B8

**PREPARED BY:** R. A. (Bob) Lane, P.Geo.

Plateau Minerals Corp.

**DATE:** April 2, 2014

#### **TABLE OF CONTENTS**

1.	SUMMARY	2
2.	INTRODUCTION	3
2.1.	LOCATION AND ACCESS	3
2.2.	PHYSIOGRAPHY AND CLIMATE	3
2.3.	PROPERTY STATUS AND OWNERSHIP	3
2.4.	EXPLORATION AND DEVELOPMENT HISTORY	7
3.	REGIONAL GEOLOGY	10
4.	PROPERTY GEOLOGY	11
5.	2013 Exploration Program	15
5.1.	2013 ROCK SAMPLE RESULTS	15
5.2.	2013 STREAM SEDIMENT SAMPLE RESULTS	17
5.3.	2013 SOIL SAMPLE RESULTS	17
6.	Sample Preparation, Analyses and Security	17
7.	INTERPRETATION AND CONCLUSIONS	18
8.	RECOMMENDATIONS	18
9.	ITEMIZED COST STATEMENT	
10.	References	21
11.	STATEMENT OF QUALIFICATIONS	22
	OF TABLES	F
	LE 1: LAWYERS PROPERTY - LIST OF MINERAL CLAIMS LE 2: LAWYERS PROPERTY - EXPLORATION HISTORY (UPDATED FROM BOWEN, 2007)	
	LE 3: LITHOSTRATIGRAPHIC COLUMN, TOODOGGONE FORMATION (DIAKOW ET AL., 1993)	
	LE 4: LAWYERS PROPERTY – 2013 ROCK SAMPLE RESULTS	
TABI	LE 5: LAWYERS PROPERTY – 2013 SILT AND SOIL SAMPLE RESULTS	17
LIST C	OF FIGURES	
FIGL	JRE 1: LAWYERS PROPERTY - LOCATION	4
	JRE 2: LAWYERS PROPERTY – DISTRIBUTION OF MINERAL CLAIMS	
	JRE 3: REGIONAL GEOLOGY OF THE TOODOGGONE RIVER AREA	
	Jre 4: Lawyers Property - Local Geology and Principle Mineralized Zones Jre 5: 2013 rock, silt and soil Geochemical Sample Locations	
1100	THE J. ZOID NOCK, DIET AND DOIL DEOCHLINICAL DAINH EL LOCATIONS	エン

#### **APPENDICES**

APPENDIX A. LABORATORY CERTIFICATES OF ANALYSIS

#### 1. SUMMARY

The Lawyers property is located in the Toodoggone region of the Omineca Mining Division, 450 km northwest of Prince George, British Columbia. The property consists of 40 contiguous MTO mineral claims that cover 9859.99 hectares of land. The claims are 100%-owned by PPM Phoenix Precious Metals Corp. The property is situated 45 km northwest of the Kemess South open pit copper-gold mine and 16 km southwest of Toodoggone Lake. It is centered at Latitude 57.33751° N and Longitude 127.18290° W and covers parts of BCGS mapsheets 094E.024, 094E.025, 094E.034 and 094E.035.

Access to the property is provided by a series of branching gravel roads, including the Finlay Forest Service Road that begins south of the town of Mackenzie, that connect to the Omineca Resource Access Road (ORAR). The ORAR continues beyond the end of the Kemess South mine access road, past the Sturdee River gravel airstrip and active Baker mine site, to the property.

The Toodoggone region is an area measuring approximately 1500 square kilometres that is underlain by strata of the Stikine Terrane. The Stikine Terrane is comprised of Paleozoic to Mesozoic island arc assemblages and overlying Mesozoic sedimentary sequences within the Intermontane Belt. The oldest rocks exposed in the Toodoggone region consist of crystalline limestone of the Devonian Asitka Group. They are unconformably overlain by mafic volcanic rocks of the Upper Triassic Takla Group. Takla Group volcanics are in turn overlain by bimodal volcanic and sedimentary strata of the Lower Jurassic Toodoggone Formation of the Hazelton Group.

The Lawyers property is underlain primarily by volcanic strata of the Toodoggone Formation. It consists of six lithostratigraphic members divided into Lower and Upper Eruptive Cycles. The members are comprised of subaerial, high potassium, calcalkaline latite and dacite volcanic strata emplaced along a north-northwest trending, elongate volcano-tectonic depression.

The Lawyers property covers a large area of widespread epithermal gold and silver vein mineralization, including the former Lawyers underground gold-silver mine. The Lawyers mine was operated by Cheni Gold Mines Ltd. from 1989 to 1992 and produced a total of 5,401,981 grams of gold and 113,184,127 grams of silver mainly from the AGB deposit. Exploration conducted on the property since closure has been limited.

In 2013, PPM Phoenix Precious Metals Corp. carried out a one-day prospecting program to assess parts of mineral claim 514101. Results from limited sampling identified one interesting copper-silver-gold anomaly. The anomalous values are associated with chalcopyrite hosted by narrow fractures cutting crystal tuff and minor malachite that occurs on weathered surfaces. All of the float pieces were less than 20 cm in diameter and were sparsely distributed over a 10m by 30 m area. It is suspected that the upslope source of the float is a narrow zone measuring less than 10 m across that may be difficult to locate in the steep, craggy bedrock that is exposed upslope and to the south of the float occurrence. Silt sampling further to the west, in the headwaters of Attycelley Creek, produced one weak gold anomaly of 29 ppb Au. An alteration zone consisting of bleached and intensely argillic-altered intermediate volcanic rock with well-developed limonite and jarosite was not anomalous in precious or base metals.

Areas of the Lawyers property to the north of claim 514101, specifically the Cliff Creek zone, Duke's Ridge zone and Silver Pond West zone, and possible extensions to the AGB zone, remain the most promising exploration targets on the property.

#### 2. Introduction

This summary report has been prepared at the request of PPM Phoenix Precious Metals Corp. (PPM) to summarize results of a brief exploration program conducted on September 7, 2013, on its Lawyers property. The current report was prepared by independent Qualified Person R. A. (Bob) Lane, P.Geo., who directed and took part in the project.

#### 2.1. LOCATION AND ACCESS

The Lawyers property is located approximately 450 km north-northwest of Prince George in the Omineca Mining Division of north-central British Columbia (Figure 1). The property is situated 45 km northwest of the Kemess South open pit copper-gold mine and 16 km southwest of Toodoggone Lake. It is centered at Latitude 57.33751° N and Longitude 127.18290° W and covers parts of four BCGS mapsheets: 094E.024, 094E.025, 094E.034 and 094E.035.

Access to the property is provided by a series of branching gravel roads, including the Finlay Forest Service Road which begins south of the town of Mackenzie, that connect to the Omineca Resource Access Road (ORAR). The ORAR continues beyond the end of the Kemess South mine access road, past the Sturdee River gravel airstrip and active Baker mine site, to the property. Driving time from the Kemess South turn-off to the Lawyers property is about 1 hour. Numerous old drill roads provide good access throughout most of the property. Alternate access during summer months is by helicopter based at the Kemess South mine. Regular fixed-wing service connects an airstrip at the Kemess South mine to airports at Vancouver, Prince George and Smithers.

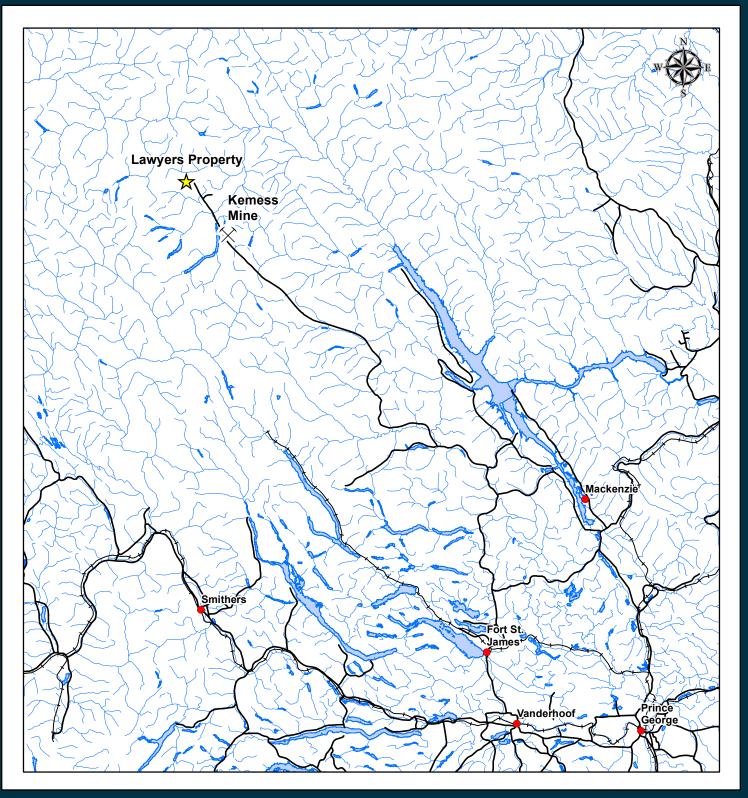
#### 2.2. PHYSIOGRAPHY AND CLIMATE

The Lawyers property is situated in moderate terrain with elevations ranging from about 1,200 metres along Attorney Creek in the northeastern part of the property to about 1,900 metres in the central part of the property. Most of the property is above tree line which is at an elevation of about 1,630 metres. Below tree line, sparse cover consists of birch and willow shrubs and scattered groves of white spruce and sub-alpine fir. In the alpine areas, dwarf shrubs, grassy meadows, lichens and rocky tundra are common. Bedrock exposures are relatively scarce and are primarily limited to ridges and steeper creek gulleys.

The summer field season typically runs from the beginning of June to late September. The temperatures and climate can be quite erratic during this period and sporadic rain and snow showers can occur at any time. Approximate temperatures range from a minimum of -32°C in January to a maximum of +26°C in June.

#### 2.3. PROPERTY STATUS AND OWNERSHIP

The Lawyers property is comprised of 40 contiguous MTO mineral claims covering 9859.99 hectares. All of the claims were acquired by staking and are 100%-owned by PPM (Table 1 and Figure 2). The claims are not subject to any underlying interests. The Lawyers property is not encumbered by any provincial or national parks, or other protected areas. Subject to the acceptance of this assessment report all 40 mineral claims will be in good standing until November 9, 2015.





20k Mapsheets: 94E024,25,34,35
Date: 3/10/2014
Projection: NAD 1983 UTM Zone 9N
Scale: 1:2,500,000
Author: tkwitkoski
Last Modified By: tkwitkoski
Checked By: BL
Revision #:
0 10 20 40 60

#### Legend

Lawyers Property

Road
Railway

Kemess Mine

----- River

City or Town



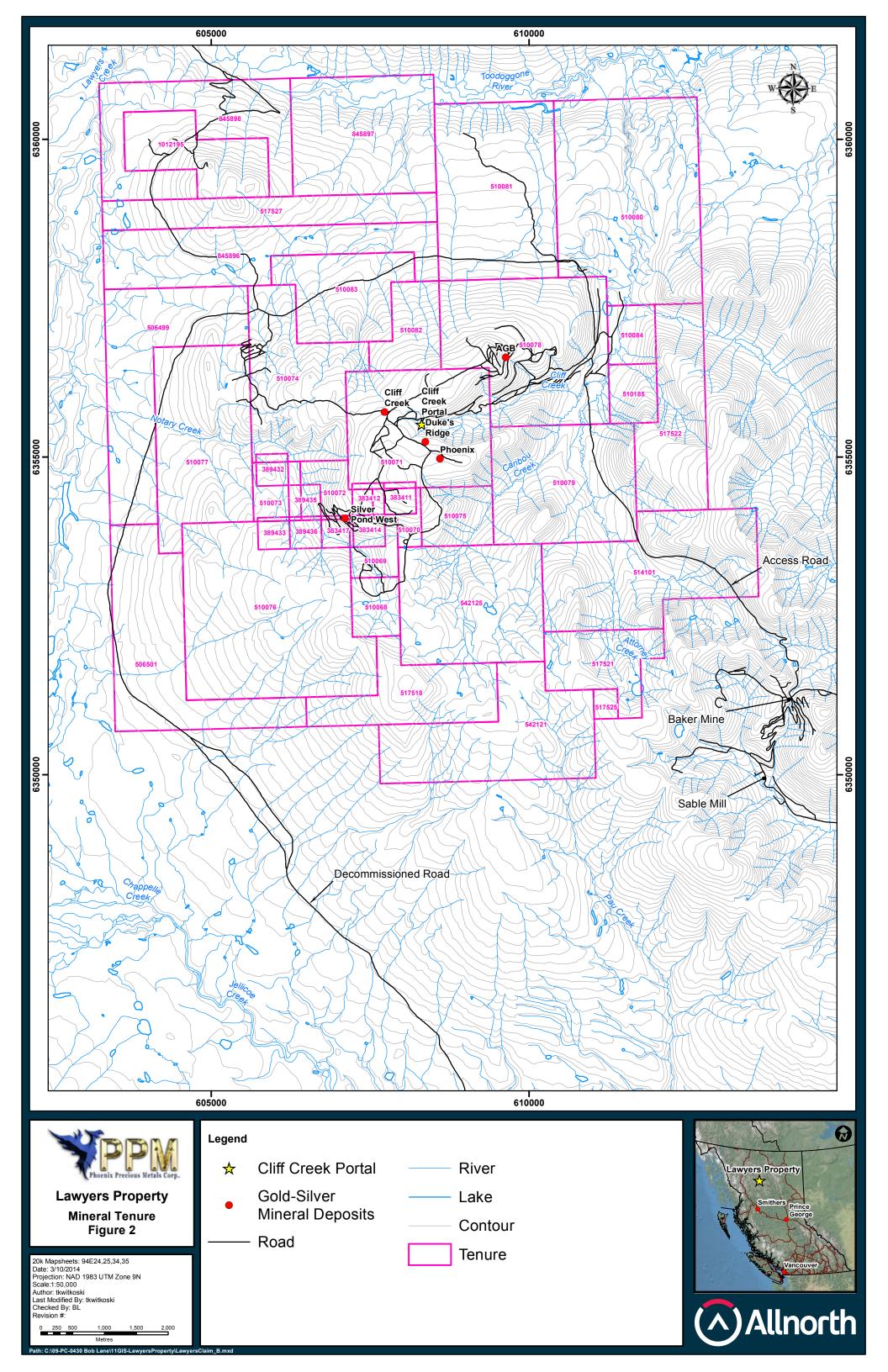




Path: C:\09-PC-0430 Bob Lane\11GIS-LawyersProperty\Location\_A.mxd

**Table 1: Lawyers Property - List of Mineral Claims** 

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Area (ha)
383411	WO 1	251319 (100%)	Mineral	Claim	094E034	2001/jan/15	2015/nov/09	25.00
383412	WO 2	251319 (100%)	Mineral	Claim	094E034	2001/jan/15	2015/nov/09	25.00
383414	WO 4	251319 (100%)	Mineral	Claim	094E034	2001/jan/15	2015/nov/09	25.00
383417	WO 7	251319 (100%)	Mineral	Claim	094E034	2001/jan/15	2015/nov/09	25.00
389432	SHOTGUN 4	251319 (100%)	Mineral	Claim	094E034	2001/aug/24	2015/nov/09	25.00
389433	SHOTGUN 5	251319 (100%)	Mineral	Claim	094E034	2001/aug/30	2015/nov/09	25.00
389435	SHOTGUN 7	251319 (100%)	Mineral	Claim	094E034	2001/aug/31	2015/nov/09	25.00
389436	SHOTGUN 8	251319 (100%)	Mineral	Claim	094E034	2001/aug/31	2015/nov/09	25.00
506499	Law 1	251319 (100%)	Mineral	Claim	094E	2005/feb/09	2015/nov/09	419.15
506501	Law 2	251319 (100%)	Mineral	Claim	094E	2005/feb/09	2015/nov/09	437.07
510068		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	69.93
510069		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	69.91
510070		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	52.42
510071		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	419.26
510072		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	87.37
510073		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	69.89
510074		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	366.78
510075		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	104.85
510076		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	769.17
510077		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	436.72
510078		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	541.39
510079		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	419.38
510080		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	698.20
510081		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	523.60
510082		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	122.24
510083		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	244.44
510084		251319 (100%)	Mineral	Claim	094E	2005/apr/02	2015/nov/09	69.86
510185		251319 (100%)	Mineral	Claim	094E	2005/apr/04	2015/nov/09	69.87
514101		251319 (100%)	Mineral	Claim	094E	2005/jun/07	2015/nov/09	489.45
517518	WO FRACTION	251319 (100%)	Mineral	Claim	094E	2005/jul/12	2015/nov/09	244.82
517521	BISHOP FRACTION	251319 (100%)	Mineral	Claim	094E	2005/jul/12	2015/nov/09	174.86
517522	ATTORNEY CREEK	251319 (100%)	Mineral	Claim	094E	2005/jul/12	2015/nov/09	296.99
517525	FRACTION	251319 (100%)	Mineral	Claim	094E	2005/jul/12	2015/nov/09	17.49
517527	STEALTH FRACTION	251319 (100%)	Mineral	Claim	094E	2005/jul/12	2015/nov/09	244.36
542121	MARMOT LAKE 2	251319 (100%)	Mineral	Claim	094E	2006/sep/29	2015/nov/09	419.77
542125	MARMOT LAKE 1	251319 (100%)	Mineral	Claim	094E	2006/sep/29	2015/nov/09	419.55
845896	SILVER POND EXTENSION	251319 (100%)	Mineral	Claim	094E	2011/feb/09	2015/nov/09	384.05
845897	ROAD ACCESS I	251319 (100%)	Mineral	Claim	094E	2011/feb/09	2015/nov/09	418.79
845898	ROAD ACCESS 2	251319 (100%)	Mineral	Claim	094E	2011/feb/09	2015/nov/09	348.97
1012195		251319 (100%)	Mineral	Claim	094E	2012/aug/23	2015/nov/09	209.40
	40 Mineral Claims							9859.99



#### 2.4. EXPLORATION AND DEVELOPMENT HISTORY

The exploration history of the Lawyers property has been well documented in assessment reports by Pegg (2003), Blann (2004), and Jacob and Nordin (2006). A summary of past work is listed in Table 2 and more recent exploration and development activities are summarized below.

Kennco Explorations (Western) Ltd. (Kennco) carried out reconnaissance work in the area of the Lawyers property through the 1960s and recorded the earliest, focused exploration on the property in 1970. Kennco is credited with discovering the AGB deposit in 1973 and conducted the first diamond drilling in 1974. SEREM Ltd. optioned the property from Kennco and completed extensive exploration work programs on the property through the 1980s. In 1986, as the project was being advanced towards a production decision, SEREM Ltd. changed its name to Cheni Gold Mines Ltd. (Cheni). Cheni brought the Lawyers mine into production in 1989 and began mining the AGB deposit which contained *Proven Reserves* of 498,900 tons grading 0.243 ounces per ton gold (opt Au) and 7.69 ounces per tonne silver (opt Ag). At the time, the Cliff Creek deposit contained *Probable Reserves* of 463,300 tons grading 0.170 opt Au and 7.61 opt Ag, and the Duke's Ridge deposit contained *Probable Reserves* of 75,400 tons grading 0.23 opt Au and 6.57 opt Ag (Wright, 1986). In 1988, the Cliff Creek deposit reserves were revised to 838,900 tons grading 0.183 opt Au and 7.12 opt Ag in the *Probable* category and 524,500 tons grading 0.170 opt Au and 6.57 opt Ag in the *Possible* category. Note that all of the figures listed above were estimates made prior to the implementation of National Instrument 43-101 and are considered to be historical estimates only and are not relied upon by the author or by PPM.

Cheni mined the AGB, Cliff Creek and Phoenix deposits from multi-level underground developments between 1989 and 1992, producing over 171,000 ounces of gold and 3,548,000 ounces of silver. Cheni mined out the AGB deposit, developed and partially mined the Cliff Creek deposit, and mined the small Phoenix deposit.

Cheni developed extensive underground workings on the North zone of the Cliff Creek deposit, including a 750 m, -15° ramp, a spiral decline with 5 levels, and an incline with 2 levels. The workings cover a vertical distance of more than 200 m and are limited to the North zone of the deposit. No near-surface follow-up work is known to have been completed on the wide stockwork zone in the southern portion of the Cliff Creek structure. Production data is incomplete, but mining of the North zone commenced in 1991 with the extraction of approximately 138,000 tons (125,000 tonnes). A further 55,000 tons (50,000 tonnes) were reportedly milled in 1992. The size of the remaining mineral resource at Cliff Creek is unknown.

Results from 1990 and earlier diamond drilling on the Mid and South zones at Cliff Creek produced a range of results (Lennan and Frostad, 1990). Some of the narrow high-grade intersections include 2.0 m averaging 1.20 opt Au and 1.09 opt Ag in drillhole 87-CC-76 (Mid zone) and 1.0 m averaging 1.170 opt Au and 16.33 opt Ag in drillhole 87-CC-42 (South zone). There were also common broad, lower-grade intersections, including 11.0 m averaging 0.204 opt Au and 15.22 opt Ag in drillhole 87-CC-71 (South Zone). Shallow drilling on the North Zone (above the 1700 level) in 1990 also produced encouraging intersections, including 6.4 m averaging 0.245 opt Au and 7.13 opt Ag in drillhole 90-CC-110 and 2.2 m averaging 0.270 opt Au and 9.92 opt Ag. However, the infill surface drilling, underground development and mining led to downward revisions of the Cliff Creek reserves, and coupled with declining metal prices compelled the company to "write-off" the remaining mineral inventory for all of the zones.

The Phoenix deposit was discovered in 1991. It was quickly developed in 1992 and mined out before the end of the year. The small, but very rich deposit produced 6,713 ounces of gold and 296,084 ounces of silver from the processing of just 5,439 tonnes of ore (Hawkins, 2003).

The Lawyers mine was closed early in 1993, following the milling of ore from the Phoenix deposit. The reasons cited for mine closure were low metal prices coupled with high mining costs.

In 1996 the mill site was decommissioned and the mill equipment was sold. In 1997 AGC Americas Gold Corp. (AGC) optioned the property, formed a joint venture with Antares Mining and Exploration Corp. (Antares) and carried out a large airborne EM-Mag-Radiometric survey, which included coverage of the Lawyers property. Limited surface work was also undertaken (Hawkins, 2003). In 1999 Antares sold its interest in the property back to AGC. The claims and the mining lease were later allowed to lapse.

Guardsmen acquired the former Cheni mining lease and mineral claims by ground staking in 2000-2001. Small exploration programs were conducted on the property from 2001 through 2007 (including the drilling of ten core holes on the Cliff Creek zone by Bishop Gold Inc. in 2005-2006), by several different operators, but the claims remained wholly-owned by Guardsmen.

In addition to the previously defined zones on the Cheni ground, the current Lawyers property also encompasses several important targets, such as the Silver Pond West zone, that were not part of the original Cheni claims. Silver Pond West was explored by St. Joe Canada Inc. and Nexus Resources Corp. Their work characterized a 30 to 40 m wide zone of pervasive silicification and lesser argillic alteration with a strike length of 400 m and depth of 200 m below surface. A *Drill-Indicated Resource* for the zone was calculated to be 68,452 tons (62,100 tonnes) grading 0.171 opt (5.86 g/t) Au (using a cut-off grade of 2.4 g/t Au); this historical resource estimate was based on 6,011 metres of drilling in 55 diamond drill holes (Kennedy and Vogt, 1987).

#### 2.4.1 Recent Work

Since Guardsmen acquired the Lawyers property by staking in 2000 and 2001, only five modest exploration programs have been conducted. Summaries of these programs are listed below.

In 2001, Guardsmen carried out a small exploration program on the Lawyers property. This work included 49 line-kilometres of grid construction, 43.5 line-kilometres of ground geophysics (vlf and magnetometer), prospecting, geological mapping and the collection of 34 rock samples for analyses.

In 2003, Guardsmen carried out a program of preliminary evaluation of two previously identified targets and some limited reconnaissance prospecting and geological mapping. These evaluations included grid construction, blasted/hand dug trenching, geophysical surveying, geological mapping, and selected soil geochemical sampling. Trenching of the possible southern strike extension of the AGB zone returned significant precious metal values over one of the trench's entire length. The zone averaged 5.09 g/t (0.15 opt) gold and 20.8 g/t (0.61 opt) silver across 27.03 metres (88.7 feet). Ground geophysical surveys in the overburden covered valley to the south appear to indicate that the structure, which hosts the AGB zone, persists along strike (Pegg, 2003).

In 2004, work on the Lawyers property comprised access road construction, collection of 514 soil geochemical samples on three grids, limited prospecting, and 2,700 m of excavator trenching on the M-Grid zone. The trenching traced a series of 2 to 10 m wide altered and mineralized zones for 400 m along their northwest-trending strike. The mineralized zones consist of brecciated and silicified volcanics and low temperature quartz veins, veinlets and stockworks with trace to 5% pyrite, and traces of sulphosalt

minerals. Grab samples from the zones returned assays of up to 9.91 g/t Au and 562.0 g/t Ag. Petrographic and PIMA (portable infrared mineral analyzer) analysis, waste dump sampling at the Cliff Creek portal, and test pits of the tailings pond were also performed.

In October 2005, Bishop Gold Inc. (Bishop) completed five NQ diamond drill holes totaling 845 metres to test for bulk and higher-grade gold-silver potential of the southern part of the Cliff Creek deposit. Four of five holes intersected 12 to 81 metre-wide zones of quartz breccia and stockwork veining which crosscut altered andesitic volcanic rocks. Although the overall gold-silver grades of the wider stockwork zones were generally low, two holes intersected narrower, higher-grade intervals of economic interest. Drillhole 05-CC-03 returned 3.0 metres grading 12.34 g/t Au and 71.9 g/t Ag and drillhole 05-CC-05 returned 2.03 metres grading 6.69 g/t Au and 37.93 g/t Ag.

Table 2: Lawyers Property - Exploration History (updated from Bowen, 2007)

1925	Individual Placer Miners
1930's	Prospecting by Cominco
1960's	Prospecting by Kennco Exploration
1969-1975	Exploration by Kennco Exploration discovers gold on Lawyers property
1973	Discovery of AGB zone by Kennco
1978	Exploration by Semco Mining and SEREM
1984, 1985	St. Joe Canada diamond drill the Silver Pond prospect
1987	SEREM changed to Cheni Gold Mines
1989	Test production by Cheni Gold Mines of Lawyers mine
1992	Cheni terminates production on property after test mining at Cliff Creek and Phoenix zones
1997	Antares Mining & Americas Gold Corporation acquire property & conduct detailed airborne EM Survey
2000	Guardsmen Resources stakes and acquires complete property
2000-2003	Exploration by Guardsmen Resources
2003	Guardsmen options property to Bishop Gold; hand trenching carried out on M Grid
2004	Bishop Gold carries out backhoe trenching on M Grid
2005	Bishop Gold drills 5 DDH on southern part of Cliff Creek zone
2006	Bishop Gold drills 5 DDH on central part of Cliff Creek zone
2007	Christopher James Gold conducts rock geochemical sampling in the Marmot Lake area
2010	Guardsmen opens Cliff Creek portal; conducts reclamation of trenches on 'M' Grid & visits Marmot Lake area
2011	Guardsmen transfers Lawyers property to associated company PPM Phoenix Precious Metals Corp. (PPM)
2011	PPM dewaters upper portion of Cliff Creek decline, but effort does not reach workings; re-seals portal

Bishop's 2006 drill program targeted the central part of the Cliff Creek deposit. Five NQ2 diamond drill holes totaling 647.7 metres were completed over about a 400 metre strike length. All of the drillholes cut wide quartz stockwork zones, each of which assayed less than 1.0 g/t Au. Within the wider stockworks, one or more intervals of intense silicification and brecciation with fine-grained disseminated sulphides were encountered. Although the latter zones were similar in appearance to the higher grade zones intersected in 2005, their precious metals content was lower. Two of the better 2006 intersections include 4 metres grading 2.65 g/t Au and 69.9 g/t Ag in drillhole 06-CC-08 and 2.65 metres grading 3.79 g/t Au and 97.3 g/t Ag in drillhole 06-CC-10 (Bowen, 2007).

In 2010 Guardsmen conducted a limited exploration and physical work programs focused primarily on the Cliff Creek portal area. The portal, which had been back-filled with muck when the site was reclaimed in the mid-1990s, was cleared of rock and debris using a large excavator and a crew of four workers. Once exposed, it was apparent that the decline was flooded and no further advancement could be conducted without dewatering the workings. Representative samples of mineralized material and/or host rock were collected from the floor of the adit and from the platform/dump returned high gold and silver values (Lane, 2011).

On June 8, 2011, Guardsmen transferred ownership of the Lawyers property to associated company PPM Phoenix Precious Metals Corp. (PPM). Later in year, PPM attempted to fully dewater the mine's considerable underground workings, but was unsuccessful primarily because of permit restrictions and equipment limitations. An inspection of the portal and dewatered section of the decline concluded that the upper part of the workings were structurally sound. The Cliff Creek portal was re-sealed upon termination of the 2011 field program.

#### 3. REGIONAL GEOLOGY

The Toodoggone region is an area measuring approximately 1500 square kilometres that is underlain by strata of the Stikine Terrane (Figure 3). The Stikine Terrane is comprised of Paleozoic to Mesozoic island arc assemblages and overlying Mesozoic sedimentary sequences within the Intermontane Belt. The oldest rocks exposed in the Toodoggone region consist of crystalline limestone of the Devonian Asitka Group. They are unconformably overlain by mafic volcanic rocks of the Upper Triassic Takla Group. Takla Group volcanics are in turn overlain by bimodal volcanic and sedimentary strata of the Lower Jurassic Toodoggone Formation of the Hazelton Group. Unconformably overlying volcanic strata of the Toodoggone Formation are sedimentary strata of Cretaceous age, including fine-grained clastics of the Skeena Group and chert pebble conglomerates and finer grained clastics of the Sustut Group. These sediments form cap rocks to high-standing plateaus primarily on the western edge of the Toodoggone region.

Late Triassic to Middle Cretaceous intrusions are exposed throughout the Toodoggone region. The most significant of these in terms of precious metal and porphyry mineralization are Early Jurassic granodioritic to quartz monzonitic bodies known as the Black Lake Suite of Intrusions. These intrusions host porphyry copper-gold mineralization in several localities, including the Kemess South deposit near the southern end of the Toodoggone region (Diakow et al., 1993).

Structure in the Toodoggone region is dominated by steeply dipping, northwest-trending normal faults. Northwest trending faults are cut by younger east-west oriented faults with apparent light-lateral displacement.

#### 4. PROPERTY GEOLOGY

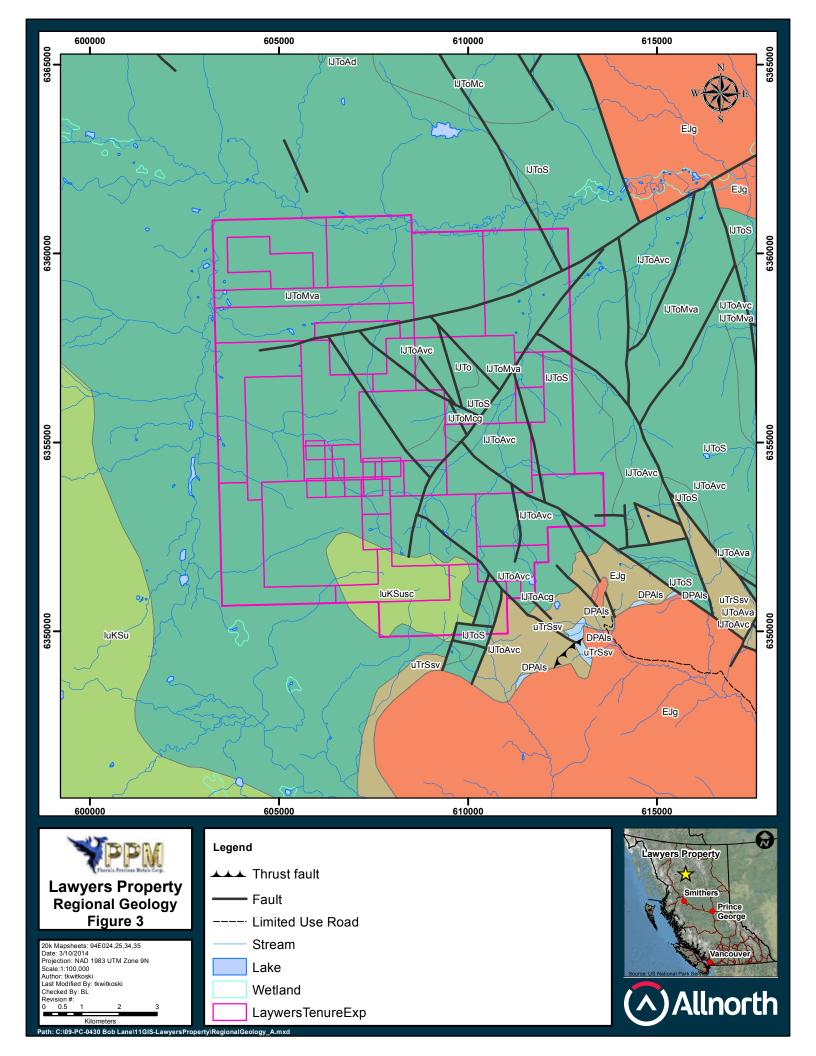
The geology and mineralization of the Lawyers property has been well-described by Pegg (2003) and Jacob and Nordin (2006) and an abbreviated description of the property geology after these authors is presented below. A map depicting the property geology and the principal mineralized zones is shown in Figure 4.

The Lawyers property is underlain primarily by volcanic strata of the Lower Jurassic Toodoggone Formation. The Toodoggone Formation consists of six lithostratigraphic members divided into Lower and Upper Eruptive Cycles (Table 3). The members are comprised of subaerial, high potassium, calcalkaline latite and dacite volcanic strata emplaced along a north-northwest trending, elongate volcano-tectonic depression (Diakow et al, 1993).

Volcanic strata of the Lower Eruptive Cycle underlie most of the Lawyers property. In general these consist of two distinctive mappable units (Vulimiri et al, 1986): a lower quartz andesite which is overlain by a sequence of trachyandesites. A thick package of basaltic rocks, which correlates to the mafic volcanic activity in the Upper Eruptive Cycle, overlies the trachyandesites. Quartz-bearing andesite crystal tuffs and ash tuffs of the Adoogacho Member, the oldest rocks on the property, are exposed east of the AGB zone (Vulimiri et al, 1986). West of the AGB zone is a thick sequence of andesite to trachyandesite. Welded tuffs of this sequence overlie the ash tuffs of the Adoogacho Member. Trachyandesite tuffs, which locally contain block-sized clasts of trachyte porphyry, overlie the welded tuffs. These grade vertically into lapilli tuffs with epiclastic greywacke interbeds.

In the eastern half of the property the top of the Metsantan Member is exposed. It consists of a thick sequence of trachytic, k-feldspar megacrystic ash fall and flows that are well-exposed along the cliffs north of Duke's Ridge. Overlying these strata are hornblende-bearing andesite crystal tuffs which contain flattened chlorite-altered fragments (Vulimiri et al, 1986).

Exposures of intrusive rocks are uncommon. Unaltered mafic dykes, which strike northwest, dip subvertically and cut the epithermal mineralization, are believed to be feeder dykes to the pyroxene basalt flows of the Attycelley Member, east of the Attorney fault. A series of northwest-trending rhyolite dykes occur along the structures that host Silver Pond zone mineralization on the west side of the property. The dominant structures appear to be a series of northwest to north-northwest striking faults, interpreted as extensional faults related to graben development during the formation of the Toodoggone depression (Diakow et al, 1993).



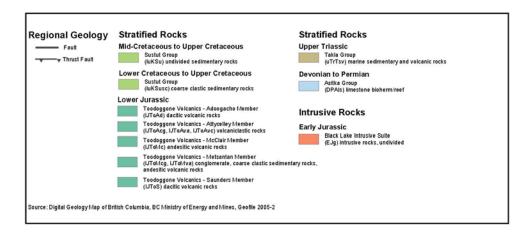


Table 3: Lithostratigraphic Column, Toodoggone Formation (Diakow et al., 1993)

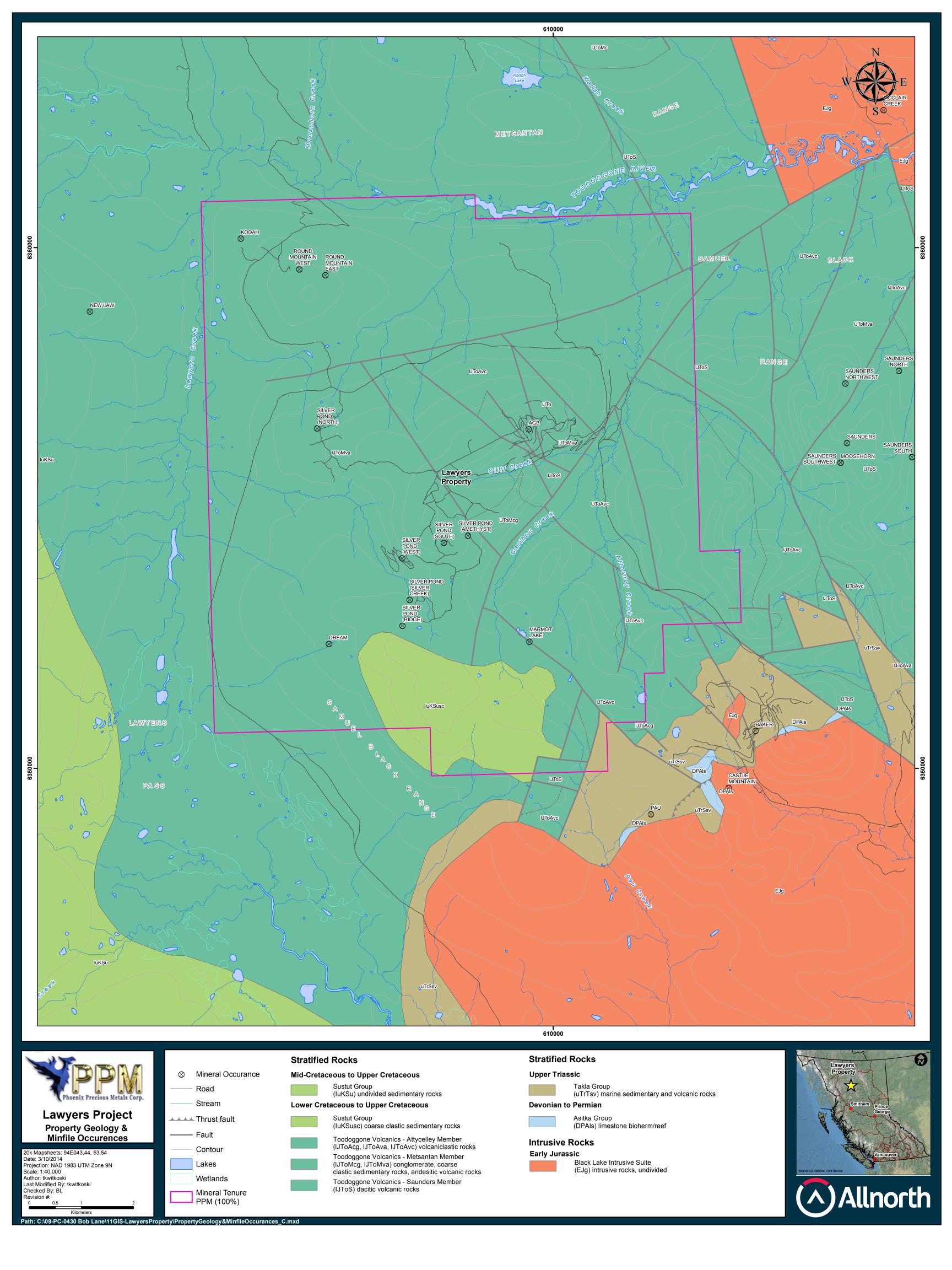
Toodoggone Formation Member	Eruptive Cycle	Age (Ma)	Description
Saunders	Upper	192.9 to 194	Trachyandesite tuffs
Attycelley		193.8	Dacite tuffs and related feeder dykes and sub-volcanic domes
McClair			Heterogeneous lithic tuffs, andesite flows and sub-volcanic dykes and plugs
Metsantan	Lower	197 to 200	Trachyandesite latite flows and tuffs
Moyez			Well-layered crystal and ash tuffs
Adoogacho		197.6	Trachyandesite ash flows to lapilli tuffs and reworked equivalents

#### **Mineralization and Geological Model**

The Toodoggone region is host to a number of mineral deposits, prospects and showings including two active producers, Kemess South copper-gold mine and Shasta gold-silver mine, and two former producers, Lawyers gold-silver mine and Baker gold-silver mine.

Mineralization in the Toodoggone region includes both high and low sulphidation epithermal gold-silver mineralization and porphyry copper-gold mineralization. Both styles of mineralization are genetically related to Early Jurassic volcanic and intrusive activity in an extensional setting (Diakow et al, 1993). Epithermal gold-silver mineralization is hosted primarily by strata of the Toodoggone Formation, to a lesser degree by coeval intrusions, and locally within strata of the Takla Group. Epithermal mineralization is structurally controlled, and both vertical and lateral zoning in mineralization and alteration are common (Panteleyev, 1986).

Precious metal mineralization at the Lawyers property consists of multi-phase chalcedony to quartz veins, stockwork bodies and breccias that occur along northwest-trending extensional faults. Mineralization occurs within zones of moderate to intense silicification enveloped by zones of sericitic and argillic alteration. Mineralization and alteration are characteristic of a low-sulphidation epithermal setting. Four main northwest-trending zones of mineralization (Amethyst Gold Breccia-AGB, Cliff Creek, Duke's Ridge /Phoenix and Silver Pond) have been identified on the Lawyers property.



#### 5. 2013 EXPLORATION PROGRAM

The 2013 exploration program on the Lawyers property focused on mineral claim 514101 in the southern part of the Lawyers property. The work took place on September 7, 2013, and was supported by 4x4 pickup trucks. The crew consisted of Bob Lane (P.Geo.), Scott Gifford, Bruce Johnson and Benno Durfeld. The project crew was stationed at a seasonal exploration camp located on the Brenda property of Canasil Resources Inc. located approximately 25 road kilometres to the south. Work consisted of prospecting and limited rock and silt geochemical sampling along two traverse routes originating from a point on the property's access road.

A total of five rock samples were collected during the one-day prospecting program and submitted for analysis. In addition, five silt samples and two soil samples were collected and submitted for analysis. Results are discussed below.

#### 5.1. 2013 ROCK SAMPLE RESULTS

Samples L13-BL-01, -03, and -04 were collected along a traverse that crossed extensive areas of talus and scree in the southern part of claim 514101. Each sample collected was a composite grab of mineralized float material distributed over small areas. Two of the samples produced anomalous results and are briefly discussed below.

Sample L13-BL-04 consisted of chalcopyrite in narrow fractures cutting crystal tuff and minor malachite that occurs on weathered surfaces. It graded 1086 ppb Au, 85.4 ppm Ag, and 7135 ppm Cu. All of the float pieces were less than 20 cm in diameter and were sparsely distributed over a 10m by 30 m area suggesting a narrow source area.

Sample L13-BL-03 consisted of multiple pieces of angular float consisting of white quartz vein and wisps and disseminations of fine-grained pyrite. It graded 169 ppb Au and 4.2 ppm Ag. Individual float pieces did not exceed 30 cm in diameter and suggest the source vein is narrow.

An alteration zone, consisting of bleached and intensely argillic-altered intermediate (andesite or dacite) volcanic rock with well-developed limonite and jarosite was sampled (samples L13-SG-R1 and –R2), but results were near or below detection for gold and silver.

Geochemical results for all rock samples are listed in Table 4. Sample locations, with results for gold, silver and copper are plotted on Figure 5. Full analytical results are provided in Appendix A.

Table 4: Lawyers Property – 2013 Rock Sample Results

Sample ID	Locatior Easting	n (NAD83) Northing	Method Analyte	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Description
L13-BL-01	612808	6352800	Rock	<2	<0.1	6.2	17.3	17	talus/float: bleached & Fe-oxide stained pale grey-green plag phyric dacite; local Si flooding with 1-2% diss pyrite
L13-BL-03	612067	6352821	Rock	169	4.2	14.7	20.8	3	talus/float: angular qz vein float up to 30 cm wide w 4-5% tremolite (patches of white, radiating crystals) w 1% diss & whispy f-gr py+/-ap
L13-BL-04	611611	6352501	Rock	1086	85.4	7135	16.9	61	talus/float: composite grab of qz-veined & epidote-altered crystal tuff w diss & narrow seams of cp-py and local malachite-azurite
L13-SG-R1	612902	6352949	Rock	3	<0.1	11.3	8.5	50	o/c: grab of bleached, intensely gossanous rock collected at creek level on the eastern slope of the 'road' creek.
L13-SG-R2	612880	6352968	Rock	<2	<0.1	9.3	8.9	64	o/c: grab of bleached, intensely gossanous yellow-stained (jarositic) rock collected 3 m above 'road' creek.

Notes: Silver, copper, lead and zinc were analyzed using ACME method 1DX. Gold was analyzed for using ACME method 3B.

#### **5.2. 2013 STREAM SEDIMENT SAMPLE RESULTS**

Silt sampling in the headwaters of Attycelley Creek produced one weak gold anomaly of 29 ppb Au. Further prospecting upstream to the south and upslope should be considered.

Geochemical results for all silt samples are listed in Table 5. Sample locations, with results for gold, silver and copper are plotted on Figure 5. Full analytical results are provided in Appendix A.

#### 5.3. 2013 SOIL SAMPLE RESULTS

The analysis of two soil samples collected from the argillic alteration zone mentioned above did not produce anomalous results.

Geochemical results for the two soil samples are listed in Table 5. Sample locations, with results for gold, silver and copper are plotted on Figure 5. Full analytical results are provided in Appendix A.

Table 5: Lawyers Property – 2013 Silt and Soil Sample Results

Silt Sample ID	Location Easting	n (NAD83) Northing	Method Analyte	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
L13-BL-02	612525	6352861	Silt	4.8	0.2	58	16.3	181
L13-BL-05	611318	6352679	Silt	29	0.5	21.4	10.9	57
L13-BL-06	611423	6352703	Silt	4.5	0.2	30.2	13	85
L13-SG Silt 1	611872	6353180	Silt	2.2	0.1	44	12.2	226
L13-SG Silt 2	612880	6352968	Silt	0.6	<0.1	14.7	12.1	127
Soil Sample ID	Location Easting	n (NAD83) Northing	Method Analyte	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
L13-SG-S1	612961	6352935	Soil	2.4	0.1	7.2	40.3	30
L13-SG-S2	612904	6352935	Soil	1.5	< 0.1	22.6	21.1	52

Notes: Gold, silver, copper, lead and zinc were analyzed using ACME method 1DX15.

#### 6. Sample Preparation, Analyses and Security

All of the rock samples collected during the 2013 field season were placed in sealed, labelled poly sample bags and packed into heavy rice bags. Samples were subsequently delivered directly to Acme Analytical Laboratories in Vancouver, B.C. A representative hand sample of each sample submitted for analysis was retained for future reference. All silt and soil samples collected during the 2013 field season were placed in kraft bags and fastened with zap straps and hung indoors to dry for a period of a week. Samples were subsequently delivered directly to Acme Analytical Laboratories in Vancouver, B.C. Due to the small number of samples collected, no QA/QC samples were included with the field samples.

All rock samples were crushed and pulverized and the resulting sample pulps were analyzed. Rocks collected during the property visit were analyzed using Acme's 1DX1 method, whereby the concentrations of 36 elements are determined by ICP-MS using sample splits of 0.5g that are leached in hot Aqua Regia. Gold and silver concentrations were also determined by Fire Assay using a Gravimetric Finish.

The website <a href="http://www.acmelab.com">http://www.acmelab.com</a> provides a more detailed account of these analytical procedures.

#### 7. Interpretation and Conclusions

The 2013 prospecting program evaluated only parts of mineral claim 514101. The results from limited sampling identified one interesting copper-silver-gold anomaly of note. The anomalous values are associated with chalcopyrite hosted by narrow fractures cutting crystal tuff and minor malachite that occurs on weathered surfaces. All of the float pieces were less than 20 cm in diameter and were sparsely distributed over a 10m by 30 m area. It is suspected that the upslope source of the float is a narrow zone measuring less than 10 m across that may be difficult to locate in the steep, craggy bedrock that is exposed upslope and to the south of the float occurrence.

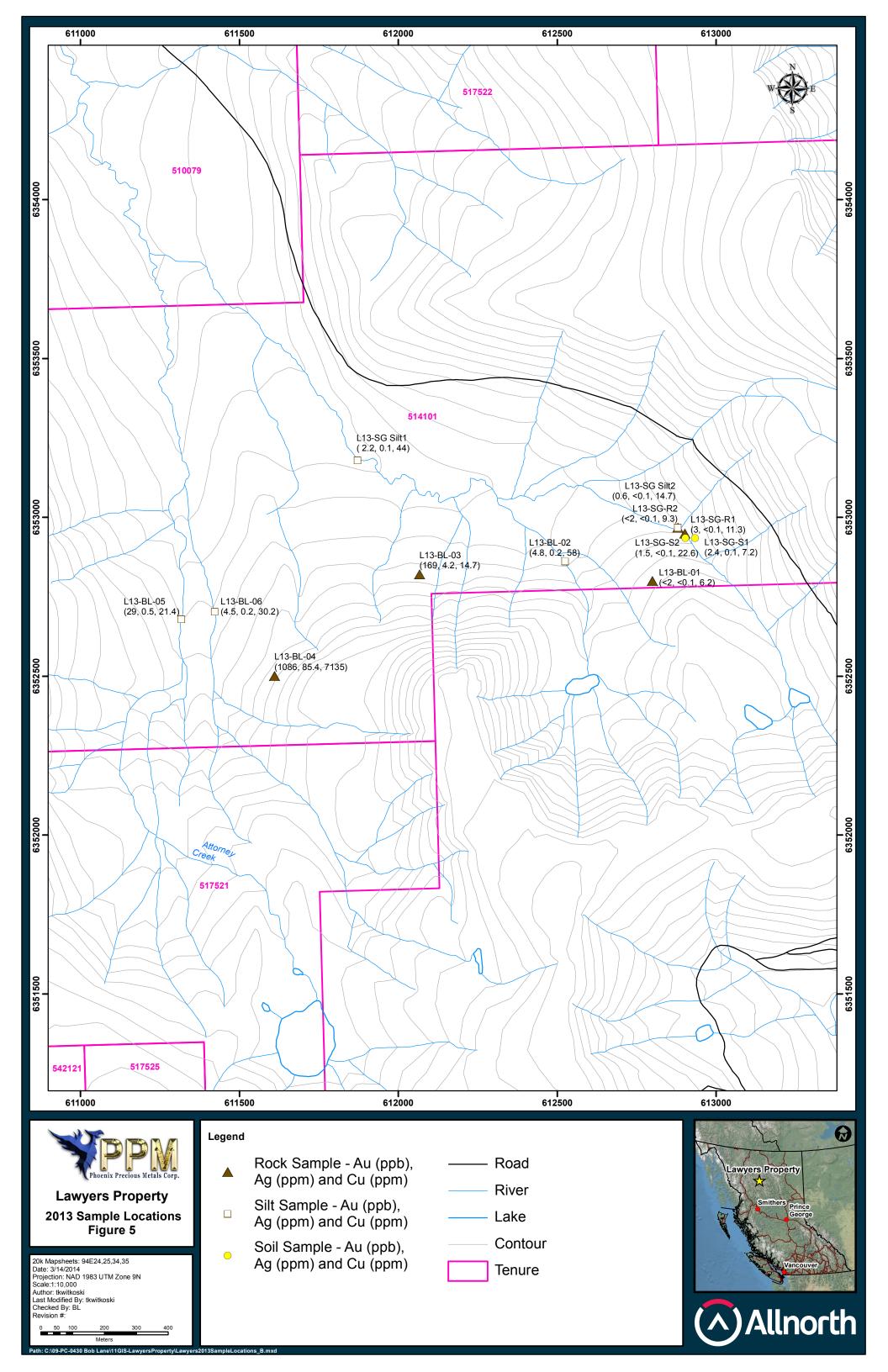
Silt sampling further to the west, in the headwaters of Attycelley Creek, produced one weak gold anomaly of 29 ppb Au. Further prospecting upstream to the south and upslope should be considered.

An alteration zone consisting of bleached and intensely argillic-altered intermediate (andesite of dacite) volcanic rock with strong limonite and jarosite was evaluated. Rock and soil samples collected from the alteration zone were not anomalous in gold, silver or base metals, but the zone may have been leached of its metal content. Further examination of the area should be considered.

Areas of the Lawyers property to the north of claim 514101, specifically the Cliff Creek zone, Duke's Ridge zone and Silver Pond West zone, and possible extensions to the AGB zone, are the most promising exploration targets on the property. They should be the highest priorities for future exploration.

#### 8. RECOMMENDATIONS

It is recommended that exploration of the Lawyers property continue. The initial focus should be on compiling, modeling and evaluating existing exploration and mining data for the known zones with particular emphasis on the Cliff Creek Zone, Duke's Ridge Zone, Silver Pond West Zone, and the AGB Zone.



# 9. ITEMIZED COST STATEMENT

Schedule A - Crew Personnel		Dates Worked	# Days	Rate/Day	Amount	TOTALS
Name	Position					
Gifford, Scott	Project Manager	Sept 7/13	1	650.00	650.00	650.00
Schedule B - Room & Board		Dates Worked	# Days	Rate/Day	Amount	
Mountainside Expl. Mgmt Inc.	Crew, Consultants, & PGEO's	Sept 7/13 4 People @ \$180/day	1	828.00	828.00	828.00
Schedule C - Transportation & Rent	tals	Dates Worked	# Days	Rate/Day	Amount	
Rentals - Trucks/Vehicles			1			
Driving Force Inc.	1-Ton 4x4 Crew Cab Truck Rental	Sept 7/13	1	110.53	110.53	
Travel - Hotel Accomodations						
Carmel Motor Hotel,Sandman Inn PG	Crew accomodations (Mob/Demob)	Sept 7/13	1	19.08	19.08	
Travel - Meals & Entertainment						
Subway, MacDonalds, Earls etc.	Crew	Sept 7/13	1	45.24	45.24	
Travel - Fuel/Oil						
Chevron & Petro Canada	Mob/Demob Fuel for truck for crew	Sept 7/13	1	112.36	112.36	
Travel - Transportation Costs						
Taxi & Truck KM	Consultants & PGEO's travel costs	Sept 7/13	1	147.06	147.06	434.27
Schedule D - Surveys & Contracting	:/Consulting	Dates Worked	# Days	Rate/Day	Amount	
Consulting - Geologists						
Plateau Minerals Corp.	PGEO Geological Consultation Geological Prospecting	Sept 7/13	1	1,045.06	1,045.06	
Forestgem Consutling	Services	Sept 7/13	1	750.95	750.95	
				1,796.01	1,796.01	1,796.01
Schedule E - Reasonable Costs		Dates Worked	# Days	Rate/Day	Amount	
Plateau Minerals Corp.	Report Writing		1	1,000.00	1,000.00	
Economou Bookkeeping Services	Cost Statement		1	300.00	300.00	
				1,300.00	1,300.00	1,300.00
Schedule F - Other Costs		Dates Worked	# Days	Rate/Day	Amount	
Assays & Lab Analysis	Acme Analytical Laboratories	Oct 21-30/13	2	168.22	336.44	336.44
Total Cost Statement	Lawyers Project 2013					5,344.72
	, , , , , , , , , , , , , , , , , , , ,					

In-Field Dates: Sept 7/13

#### 10. REFERENCES

Blann, D. (2005): Geochemical and Trenching Report on the Lawyers Property; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 27663, 132 pages.

Bowen, B.K. (2007): Diamond Drilling on the Cliff Creek Zone Lawyers Property; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 29050, 115 pages.

Diakow, L.J., Panteleyev, A, and Schroeter, T.G. (1993): Geology of the Early Jurassic Toodoggone Formation and Gold-Silver Deposits in the Toodoggone River Map Area, Northern British Columbia; *BC Ministry of Energy, Mines and Petroleum Resources*, Bulletin 86, 66 pages.

Hawkins, P. (2003): A Technical Report Covering the Lawyers and Al (Ranch) Properties for Bishop Resources Inc., 136 pages.

Jacob, G. and Nordin, G.D. (2006): Diamond Drilling Report on the Lawyers Property; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 28322, 176 pages.

Kaip, A.W. and Childe, F. (2001): Summary Report on the Lawyers Property; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 26728, 58 pages.

Kennedy, D.R. and Vogt, A.H. (1987): Silver Pond Property, Report on 1987 Exploration Program; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 16952, 389 pages.

Lane, R.A. (2011): Geochemical and Geological Report on the Lawyers Property; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 32055, 69 pages.

Lennan, W.B. and Frostad, S. (1990): 1990 Diamond Drilling Report on the Lawyers West – 1990 Claim Group; Private Report for Cheni Gold Mines Inc., 68 pages.

Panteleyev, A. (1986): A Canadian Model for Epithermal Gold-Silver Deposits; *Geoscience Canada*, Volume 13, No. 2, pages 101-111.

Pegg, R.S. (2003): Geochemical, Geophysical and Geological Report on the Lawyers Property; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 27291, 93 pages.

Renning, M. (2007): 2007 Geochemical and Prospecting Report on the Lawyers South Property; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 29529, 53 pages.

Tegart, P. (1988): Diamond Drilling Report on the Lawyers No 3 Claim (6 Units) as part of Lawyers West Group; *BC Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 17414, 37 pages.

Vulimiri, M., Tegart, P. and Stammers, M. (1986): Lawyers Gold-Silver Deposits, British Columbia; Mineral Deposits of the Northern Cordillera, CIM Special Volume 37, Morin, J.A. Editor, *Canadian Institute of Mining and Metallurgy*, pages 191-201.

Wright, (1986): Lawyers Project, Toodoggone Area, British Columbia, Project Feasibility Study for S.E.R.E.M. Ltd., Wright Engineers Limited.

#### 11. STATEMENT OF QUALIFICATIONS

I, R. A. (Bob) Lane, P.Geo., residing in Prince George, B.C., do hereby certify that:

- 1. I am currently employed as a consulting geologist by Plateau Minerals Corp., located at 2606 Carlisle Way, Prince George, British Columbia, Canada, V2K 4H9.
- 2. I obtained a Master of Science degree with Specialization in Geology in 1990 from the University of British Columbia.
- 3. I have worked as a geologist for more than 20 years since my graduation from university.
- 4. I am a Professional Geoscientist (PGeo) registered with the Association of Professional Engineers and Geoscientists of British Columbia, license #18993, and have been a member in good standing since 1992.
- 5. I participated in the 2013 exploration program that took place on September 7, 2013. This report presents and summarizes the data acquired during the one-day program.
- 6. I am the author of this report on the Lawyers property entitled "2013 Prospecting and Geochemical Assessment Report on Mineral Claim 514101, Lawyers Property" dated April 2, 2014.

Dated this 2nd day of April, 2014, at Prince George, British Columbia.

R. A. (Bob) Lane, M.Sc., P.Geo.

A. LANE

# **APPENDIX A**

# LABORATORY CERTIFICATES OF ANALYSIS



Acme Analytical Laboratories (Vancouver) Ltd. 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA PHONE (604) 253-3158 Client: Mountainside Exploration Management

4302 Dundas St.

Burnaby BC V5C 1B3 Canada

Submitted By: Scott Gifford

Receiving Lab: Canada-Vancouver
Received: October 02, 2013
Report Date: October 18, 2013

Page: 1 of 2

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

# **CERTIFICATE OF ANALYSIS**

### VAN13004029.1

#### **CLIENT JOB INFORMATION**

Project: LAWYERS

Shipment ID:

P.O. Number

Number of Samples: 7

#### SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps

DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Mountainside Exploration Management

4302 Dundas St. Burnaby BC V5C 1B3

Canada

CC: Bob Lane

#### Number of Procedure **Code Description** Test Report Lab Code Samples Wgt (g) Status 7 Dry at 60C Dry at 60C VAN SS80 7 Dry at 60C sieve 100g to -80 mesh VAN 1DX2 1:1:1 Aqua Regia digestion ICP-MS analysis 15 Completed VAN

#### **ADDITIONAL COMMENTS**



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.

"\*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client:

**Mountainside Exploration Management** 

4302 Dundas St.

Burnaby BC V5C 1B3 Canada

Project:

**LAWYERS** 

Report Date:

October 18, 2013

Page:

2 of 2

Part: 1 of 2

**CERTIFICATE OF ANALYSIS** VAN13004029.1 Method 1DX15 Analyte Pb Fe Th Cd Sb ٧ Mo Cu Zn Ag Ni Co Mn As Au Sr Bi Ca Unit % % ppm ppm ppm ppm ppm ppm ppm ppm % ppm ppb ppm ppm ppm ppm ppm ppm ppm MDL 0.1 0.1 0.1 1 0.1 0.1 0.1 0.01 0.5 0.5 0.1 1 0.1 0.1 0.1 2 0.01 0.001 L13-BL-02 33 Silt 1.2 58.0 16.3 181 0.2 13.8 84.9 >10000 2.42 27.0 4.8 2.1 195 3.3 0.6 0.1 40 2.03 0.111 L13-BL-05 15 Silt 1.2 21.4 10.9 57 0.5 34.5 9.3 781 2.28 19.0 29.0 1.6 79 0.3 0.4 0.1 55 1.04 0.111 L13-BL-06 Silt 1.0 30.2 13.0 0.2 55.8 15.2 1077 16.7 4.5 2.7 0.66 0.079 14 L13-SG-S1 Silt 1.2 40.3 30 2.89 24.9 2.4 1.0 6 0.12 0.089 7.2 0.1 1.7 5.5 411 3.0 62 1.4 9.2 L13-SG-S2 Silt 1.2 22.6 21.1 52 <0.1 6.9 21.6 1987 3.99 30.1 1.5 2.6 151 0.2 0.8 2.0 28 0.91 0.119 L13-SG Silt 1 Silt 52 1.7 44.0 12.2 226 23.5 8.88 8635 2.42 20.4 2.2 2.0 197 3.7 0.5 0.4 37 1.95 0.082 0.1 Silt L13-SG Silt 2 1.3 14.7 12.1 127 < 0.1 5.0 27.6 2612 2.74 17.2 0.6 2.7 106 0.6 8.0 1.5 44 1.30 0.105



Acme Analytical Laboratories (Vancouver) Ltd. 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Mountainside Exploration Management** 

4302 Dundas St.

Burnaby BC V5C 1B3 Canada

Project: **LAWYERS** 

Report Date: October 18, 2013

2 of 2 Page:

# **CERTIFICATE OF ANALYSIS**

# VAN13004029.1

Part: 2 of 2

		Method	1DX15															
		Analyte	Cr	Mg	Ва	Ti	В	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Те
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L13-BL-02	Silt		4	0.59	161	0.064	2	3.79	0.017	0.10	0.2	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
L13-BL-05	Silt		30	0.73	161	0.028	2	2.20	0.013	0.09	0.2	0.03	3.6	<0.1	<0.05	6	0.9	<0.2
L13-BL-06	Silt		46	0.95	230	0.041	2	1.97	0.012	0.09	0.1	0.03	4.8	<0.1	<0.05	6	0.6	<0.2
L13-SG-S1	Silt		2	0.18	196	0.007	<1	1.05	0.030	0.13	<0.1	0.04	2.0	0.5	0.21	2	3.6	0.3
L13-SG-S2	Silt		8	0.46	174	0.049	<1	2.90	0.011	0.10	0.2	0.05	4.2	0.2	0.12	6	1.3	0.4
L13-SG Silt 1	Silt		10	0.51	209	0.039	1	4.49	0.021	0.11	0.1	0.03	2.9	<0.1	<0.05	7	0.9	<0.2
L13-SG Silt 2	Silt		3	0.64	155	0.045	<1	3.06	0.018	0.10	0.2	0.03	3.1	<0.1	0.07	6	1.2	<0.2



Acme Analytical Laboratories (Vancouver) Ltd. 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA PHONE (604) 253-3158 Client: Mountainside Exploration Management

4302 Dundas St.

Burnaby BC V5C 1B3 Canada

Project:

LAWYERS

Report Date:

October 18, 2013

Page: 1 of 1 Part: 1 of 2

QUALITY CC	QUALITY CONTROL REPORT VAN13004029.1																				
	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	Р	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
L13-BL-06	Silt	1.0	30.2	13.0	85	0.2	55.8	15.2	1077	3.26	16.7	4.5	2.7	89	0.4	0.4	0.1	65	0.66	0.079	12
REP L13-BL-06	QC	1.0	28.3	13.1	83	0.2	51.1	14.4	1144	3.17	16.5	3.3	2.6	86	0.3	0.4	0.1	57	0.69	0.090	12
Reference Materials																					
STD DS10	Standard	14.5	154.2	160.3	338	2.0	76.4	14.0	837	2.63	50.1	82.9	8.3	66	2.8	9.5	12.6	49	1.00	0.082	19
STD OXC109	Standard	1.6	42.7	11.8	37	<0.1	82.4	25.2	413	2.99	0.8	207.0	1.7	150	<0.1	<0.1	<0.1	53	0.68	0.119	13
STD DS10 Expected		14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355	0.073	17.5
STD OXC109 Expected												201									
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



**Mountainside Exploration Management** 

4302 Dundas St.

Burnaby BC V5C 1B3 Canada

Project:

Client:

LAWYERS

Report Date:

October 18, 2013

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA PHONE (604) 253-3158

Page:

1 of 1

Part: 2 of 2

# QUALITY CONTROL REPORT

# VAN13004029.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ва	Ti	В	Al	Na	K	W	Hg	Sc	TI	s	Ga	Se	Те
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
L13-BL-06	Silt	46	0.95	230	0.041	2	1.97	0.012	0.09	0.1	0.03	4.8	<0.1	<0.05	6	0.6	<0.2
REP L13-BL-06	QC	45	1.02	250	0.040	2	2.08	0.014	0.10	0.1	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	59	0.75	348	0.080	6	1.04	0.058	0.31	3.5	0.31	2.7	4.5	0.25	5	2.2	4.9
STD OXC109	Standard	69	1.52	61	0.433	1	1.57	0.658	0.42	0.2	<0.01	0.7	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected	,	54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	2.8	4.79	0.2743	4.3	2.3	4.89
STD OXC109 Expected																	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd. 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA PHONE (604) 253-3158 Client: Mountainside Exploration Management

4302 Dundas St.

Burnaby BC V5C 1B3 CANADA

Submitted By: Scott Gifford

Receiving Lab: Canada-Vancouver
Received: October 02, 2013
Report Date: October 30, 2013

Page: 1 of 2

# **CERTIFICATE OF ANALYSIS**

## VAN13004030.1

#### **CLIENT JOB INFORMATION**

Project: LAWYERS

Shipment ID: P.O. Number

Number of Samples: 5

#### SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Mountainside Exploration Management

4302 Dundas St. Burnaby BC V5C 1B3

CANADA

CC: Bob Lane

#### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	5	Crush, split and pulverize 250 g rock to 200 mesh			VAN
3B	5	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	5	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

#### **ADDITIONAL COMMENTS**



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.

"\*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client:

**Mountainside Exploration Management** 

4302 Dundas St.

Burnaby BC V5C 1B3 CANADA

Project:

LAWYERS

Report Date:

October 30, 2013

Page:

2 of 2

Part:

1 of 2

CERTIFICA	CERTIFICATE OF ANALYSIS VAN13004030.1															.1					
	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L13-BL-01	Rock	1.66	<2	1.7	6.2	17.3	17	<0.1	8.0	1.3	99	2.90	5.2	1.6	2.1	52	<0.1	0.4	<0.1	29	0.21
L13-BL-03	Rock	2.22	169	63.8	14.7	20.8	3	4.2	2.7	3.4	30	1.18	61.5	347.6	0.9	14	<0.1	1.5	1.0	3	0.02
L13-BL-04	Rock	2.25	1086	0.2	7135.0	16.9	61	85.4	2.2	5.3	790	2.14	<0.5	945.2	1.1	16	1.6	<0.1	0.1	27	1.55
L13-SG-R1	Rock	1.99	3	1.2	11.3	8.5	50	<0.1	1.4	4.2	295	1.53	18.3	3.2	1.2	304	0.2	0.2	0.6	4	6.00
L13-SG-R2	Rock	2.43	<2	0.6	9.3	8.9	64	<0.1	2.4	6.3	443	2.79	31.1	1.7	2.1	14	<0.1	0.2	0.2	5	0.37



Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Mountainside Exploration Management** 

4302 Dundas St.

Burnaby BC V5C 1B3 CANADA

Project: **LAWYERS** 

Report Date: October 30, 2013

2 of 2 Page:

Part: 2 of 2

# **CERTIFICATE OF ANALYSIS**

# VAN13004030.1

	Method Analyte	1DX P	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX TI	1DX S	1DX Sc	1DX Se	1DX Ga	1DX Te
	Unit	%	ppm	ppm	wg %	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
L13-BL-01	Rock	0.081	4	2	0.06	107	0.197	<20	0.43	0.037	0.15	0.1	0.27	<0.1	1.10	1.8	<0.5	3	<0.2
L13-BL-03	Rock	0.009	2	5	<0.01	104	0.018	<20	0.16	0.001	0.11	<0.1	0.04	0.2	1.04	0.5	1.1	<1	1.0
L13-BL-04	Rock	0.064	7	4	0.58	139	0.041	<20	1.05	0.023	0.17	<0.1	<0.01	<0.1	0.41	1.3	<0.5	3	<0.2
L13-SG-R1	Rock	0.059	12	2	0.03	56	0.037	<20	5.86	0.063	0.07	<0.1	0.10	<0.1	1.51	2.0	1.1	8	0.5
L13-SG-R2	Rock	0.076	10	1	0.33	65	0.020	<20	0.85	0.190	0.17	<0.1	0.17	<0.1	2.68	2.5	0.6	1	0.3



Acme Analytical Laboratories (Vancouver) Ltd. 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA PHONE (604) 253-3158

Client: **Mountainside Exploration Management** 

4302 Dundas St.

Burnaby BC V5C 1B3 CANADA

Project:

LAWYERS

Report Date:

October 30, 2013

1 of 2 Page: 1 of 1 Part:

QUALITY COI	NTROL	REP	OR <sup>-</sup>	Γ												VAI	N13	0040	030.	1	
	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
L13-SG-R1	Rock	1.99	3	1.2	11.3	8.5	50	<0.1	1.4	4.2	295	1.53	18.3	3.2	1.2	304	0.2	0.2	0.6	4	6.00
REP L13-SG-R1	QC			1.0	10.8	7.8	47	<0.1	1.6	3.8	281	1.42	16.3	2.4	1.2	277	0.2	0.2	0.6	4	5.67
L13-SG-R2	Rock	2.43	<2	0.6	9.3	8.9	64	<0.1	2.4	6.3	443	2.79	31.1	1.7	2.1	14	<0.1	0.2	0.2	5	0.37
REP L13-SG-R2	QC		3																		
Reference Materials																					
STD DS10	Standard			12.2	152.7	153.6	343	1.9	72.7	12.7	863	2.66	46.3	158.1	6.6	55	2.7	6.6	9.4	42	1.05
STD OREAS45EA	Standard			1.1	610.6	13.3	28	0.2	341.1	49.6	355	23.01	8.1	56.2	9.4	3	<0.1	0.2	0.2	277	0.03
STD OXC109	Standard		192																		
STD OXC109 Expected			201																		
STD DS10 Expected				14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	<0.1	2.2	17.6	62	<0.1	4.2	4.6	584	2.03	0.5	<0.5	4.4	52	0.1	<0.1	<0.1	37	0.45



Acme Analytical Laboratories (Vancouver) Ltd.

PHONE (604) 253-3158

www.acmelab.com

Client: Mountainside Exploration Management

4302 Dundas St.

Burnaby BC V5C 1B3 CANADA

Project:

**LAWYERS** 

1 of 1

Report Date:

October 30, 2013

Page:

#### QUALITY CONTROL REPORT

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

#### VAN13004030 1

Part: 2 of 2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Р	La	Cr	Mg	Ва	Ti	В	Al	Na	K	w	Hg	TI	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
L13-SG-R1	Rock	0.059	12	2	0.03	56	0.037	<20	5.86	0.063	0.07	<0.1	0.10	<0.1	1.51	2.0	1.1	8	0.5
REP L13-SG-R1	QC	0.058	12	2	0.03	66	0.039	<20	5.53	0.059	0.07	0.1	0.08	<0.1	1.39	1.9	8.0	8	0.5
L13-SG-R2	Rock	0.076	10	1	0.33	65	0.020	<20	0.85	0.190	0.17	<0.1	0.17	<0.1	2.68	2.5	0.6	1	0.3
REP L13-SG-R2	QC																		
Reference Materials																			
STD DS10	Standard	0.076	15	56	0.75	352	0.069	<20	0.97	0.064	0.32	3.4	0.29	4.9	0.29	2.6	2.1	4	5.0
STD OREAS45EA	Standard	0.026	6	904	0.09	134	0.082	<20	2.80	0.019	0.05	<0.1	<0.01	<0.1	<0.05	72.9	<0.5	11	<0.2
STD OXC109	Standard																		
STD OXC109 Expected																			
STD DS10 Expected		0.073	17.5	54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	4.79	0.2743	2.8	2.3	4.3	4.89
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			0.072	0.036	78	0.6	11.7	0.07
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1	Prep Blank	0.079	9	12	0.60	304	0.131	<20	0.97	0.078	0.52	<0.1	<0.01	0.3	<0.05	2.3	<0.5	5	<0.2