

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

**Assessment Report
Title Page and Summary**

TYPE OF REPORT [type of survey(s)]: LITHOGEOCHEMICAL REPORT

TOTAL COST: \$16,328.00

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NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A YEAR OF WORK: 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5392953

PROPERTY NAME: FIRE CREEK PROJECT

CLAIM NAME(S) (on which the work was done): FIRE1, FIRE 2, FIRE 3

COMMODITIES SOUGHT: POLYMETALLIC PRECIOUS METAL

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: N/A

MINING DIVISION: NEW WESTMINSTER NTS/BCGS: 092 G

LATITUDE: 49.79 ° XX ' XX " LONGITUDE: 122.26 ° XX ' XX " (at centre of work)

OWNER(S):
1) AGNICO-EAGLE MINE LIMITED 2) NA

MAILING ADDRESS:
400-543 GRANVILLE STREET VANCOUVER
BC V6C 1X8 CANADA

OPERATOR(S) [who paid for the work]:
1) AGNICO-EAGLE MINES LIMITED 2) NA

MAILING ADDRESS:
400-543 GRANVILLE STREET VANCOUVER
BC V6C 1X8 CANADA

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Property is underlain by Fire Lake Group, Brokenback Formation, Lower Cretaceous, Marine Sediments and Volcanics ,
Three phases of deformation, silicic and sericitic with pyrite, volcanic exhalative-stockworks and skarn, probably confined to
feldspar crystal tuff member of the Brokenback Formation

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 2011 Geochemical Report-4860350, 28141,
11463 and 9783

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	NA		
Photo Interpretation	NA		
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	NA		
Electromagnetic	NA		
Induced Polarization	NA		
Radiometric	NA		
Seismic	NA		
Other	NA		
Airborne	NA		
GEOCHEMICAL (number of samples analysed for...)			
Soil	NA		
Silt	NA		
Rock	NA		
Other	NA		
DRILLING (total metres; number of holes, size)			
Core	NA		
Non-core	NA		
RELATED TECHNICAL			
Sampling/assaying	NA		
Petrographic	NA		
Mineralographic	NA		
Metallurgic	NA		
PROSPECTING (scale, area) NA			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)	NA		
Topographic/Photogrammetric (scale, area)	NA		
Legal surveys (scale, area)	NA		
Road, local access (kilometres)/trail	NA		
Trench (metres)	NA		
Underground dev. (metres)	NA		
Other	NA		
TOTAL COST:			\$16,328.00

**BC Geological Survey
Assessment Report
33324**

LITHOGEOCHEMICAL REPORT

FIRE CREEK PROSPECT

CLAIM NOS.: 510817, 510819, 510820

NEW WESTMINSTER MINING DIVISION

MAPSHEET NTS 092/G16

LATITUDE 49° 47' N LONGITUDE 122° 14' W

Dates of work: July 3-8, 2012

Filed for Assessment Work: October 5, 2012

**For: Agnico-Eagle Mines Limited
400-543 Granville Street
Vancouver BC, V6C 1X8**

**By: Jim Franklin, PhD, P.Geol.
Jose Barquet, P.Geol.
Henry Castillo, P.Geol.**

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Summary

In 2007, Agnico-Eagle Mines Limited (AEM) acquired Cumberland Resources Limited and become an owner of the Fire Creek prospect, located a few kilometers northwest of the head of Harrison Lake, in southwest British Columbia. Agnico-Eagle did first property assessment in April 2011 and collected nine rock samples on the property (B.C Assessment Report Event Number 4680350 unpublished). In 2012 AEM engaged Franklin Geoscience Limited to conduct a details statistical assessment, analyses and interpretation on the historical soil, rock and silt analytical assay results (B.C. Assessment Report Event Number 5163825 unpublished). From July 3-8, 2012, AEM conducted rock sampling program on the Fire Creek property and collected 53 rock samples. The analytical results were statistically analyzed and interpreted by Franklin Geoscience Services Limited. All other information on the exploration history is taken from assessment reports from previous exploration programs of the Fire Creek property (B.C. Assessment Reports 09783, 14663 and 17508).

Introduction

Exploration in the Fire Mountain area has continued intermittently since 1896 when the first claims in the area were staked and production from a small vein was reported. Since the 1980's some claims for alluvial gold mining have been staked, however, no production was reported.

Several exploration programs have been carried out on what is now referred to as the Fire Creek property (Fire 1, Fire 2, and Fire 3) and in the surrounding area. Several anomalous values of gold, silver and base metals localized within the same lithological unit and displaying the same style of mineralization, have been reported, thus encouraging continued exploration in the area over the years.

Exploration to date has focused on looking at the volcanogenic massive sulphide (VMS) and epithermal deposit type potential of the project area according to a review of several public assessment reports that are relevant to the area.

The purpose of this report is to describe the results of a recently collected 53 rock sampling program completed by the company in July 3-8, 2012.

Property, Location, and Access

The Fire Creek prospect is located within the Fire Creek watershed, which drains into the Lillooett River 7 kilometers upstream from the northwest end of Harrison Lake (see Figure 1). The property is 85 km northeast (straight line) from Vancouver. However, road access from Vancouver requires an approximately 200 kilometers drive through Pemberton and along the Lillooett River road. Road access may also be possible northward from Harrison Mills but the road near 5-Mile Bay is reported to be extremely rough and would necessitate a 4-wheel drive vehicle.

The property is located 2-3 kilometers upstream from the mouth of Fire Creek. The alteration zone straddles the creek and thus access to both the north and south banks are necessary. The north side is accessible by a logging access road from the western Lillooett River road that continues up the Fire Creek valley to Fire Lake (4-wheel drive vehicle recommended). Overgrown access roads from the 1987 drill program could be easily rehabilitated to provide direct vehicle access to the altered zone from the logging road. The south side of Fire Creek can be accessed by foot along old logging roads. These overgrown paths could also be easily rehabilitated for use with 4-wheel drive vehicle.

The topography of the claims is steep and mountainous. The main area of geological interest is characterized by extremely steep canyon walls (approximately 80 meters high), including the original rusty and bleached exposures that are considered the source of the rusty float boulders. These cliffs extend directly into the creek, making it unfeasible to easily cross the creek to the opposite bank. The steep terrain also results in the inaccessibility of many outcrops on the property without the use of climbing and/or safety equipment.

The vegetation varies from thin to very thick. It can be especially dense in previously logged areas on the south side of the creek. The old and overgrown drilling and logging roads are easy to move through and provide the best accessibility to the entire property.

A temporary logging camp, run by Pacific International Helilog, is situated at the northwest end of Harrison Lake. This camp is a 10 minute drive from the Fire Creek access road, and provided ideal accommodation while doing work on the Fire Creek property. A disused airstrip at the camp could be easily reclaimed for air transportation.



Figure 1: Property Location Map

Mineral Claims

The Fire Creek property is owned by Agnico-Eagle Mines Limited and is composed of three claims, totaling 73 units (1522.7 ha) as shown in Figure 2. Details are shown in Table 1. The claims are currently in good standing.

Table 1: Fire Creek Property Claim Details

CLAIM NAME	CLAIM #	OWNER	UNITS	EXPIRY DATE
Fire 1	510817	Cumberland Resources Ltd.	24	July 11, 2014
Fire 2	510819	Cumberland Resources Ltd.	24	July 11, 2014
Fire 3	510820	Cumberland Resources Ltd.	25	July 11, 2104

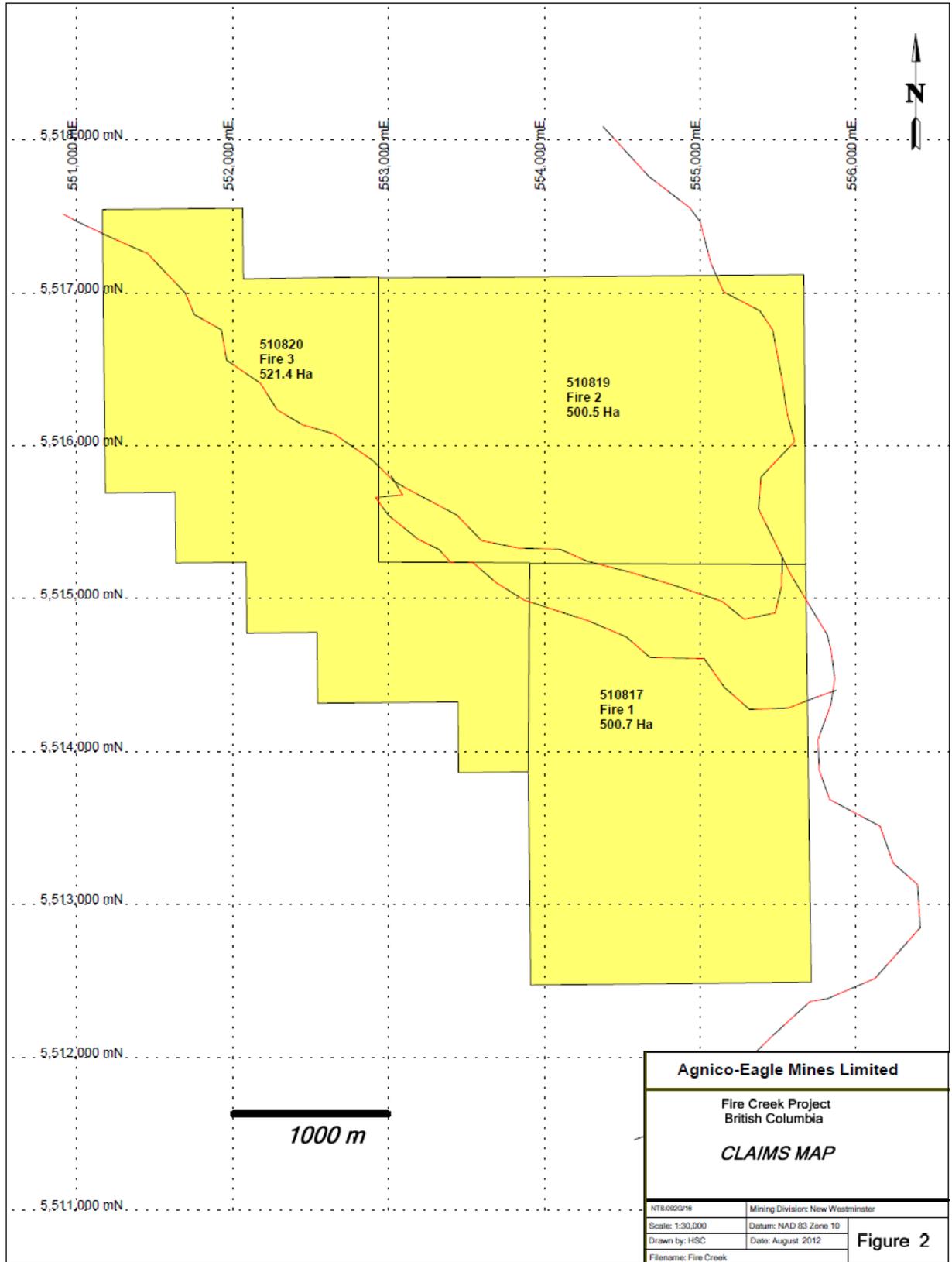


Figure 2: Claim Map

Regional Geology

The geology of Fire Creek forms part of a broad package of rocks known as the Fire Lake Group, which was originally delineated by Roddick (1965). Paleontological work by Jeletzky (1965) on fossils collected by Roddick resulted in an Early Cretaceous age of deposition. The Fire Lake Group is subdivided into the Lower Peninsula Formation and upper Brokenback Hill Formation. The descriptions of the geology, structure and mineralization given below is largely a summary of a detailed report on the Fire Lake Group by Lynch (1990). The regional geology in the vicinity of the Fire Creek property is shown on Figure 3.

Peninsula Formation

The Peninsula Formation is the oldest stratigraphic unit in the Fire Lake Group. The formation is best exposed to the southwest of Fire Mountain. Faulting has resulted in exposure of the base of the formation. The formation is further subdivided into two members. The lower conglomerate is about 1200 meters thick, with variable type and distribution of clasts. Clasts include andesite, rhyolite, and feldspar porphyry, with minor chert, siltstone, detrital quartz and feldspar crystals, and granite. The member grades from calcite cemented, cross-stratified channel gravel and sand, likely of fluvial origin, into coarse beach deposits, characterized by near-shore flora and fauna. The overlying member is an 800 meter thick, well-bedded arkose, with planer cross-stratification, hummocky cross-lamination, graded bedding and soft sediment deformation features. Minor limestone beds or epidotized calc-silicate rock are also present.

The overall stratigraphy of the Peninsula Formation is thought to represent a transgression, from fluvial to beach and possibly shallow marine environments.

Brokenback Hill Formation

The Brokenback Hill Formation is characterized by a volcanic succession and is subdivided into four members. The lowermost member is composed of interbedded feldspar crystal tuff and slate or phyllite. The tuff contains predominantly moderate to well-sorted, rounded, and medium grained feldspar, in a pelitic matrix. The member is generally massive, but also displays graded bedding, flame structures and rip-up clasts. The compositional dominance of feldspar, along with the lack of quartz and lithic fragments, suggests deposition under subaqueous conditions.

Above the feldspar crystal tuff is an andesite and intermediate volcanic member, with rare rhyolite. The volcanics occur as massive andesite flows with plagioclase and amphibole phenocrysts, and heterolithic volcanic breccias or conglomerates. Texturally, these rocks are poorly sorted; the clasts are matrix-supported in feldspar crystals, finer volcanic clasts, and mud, which likely represent debris flows. This unit is metamorphosed to greenschist facies, which has obscured primary textures.

The third member is mostly coarse-grained, feldspar-rich volcanoclastic sandstone, with chloritized lithic volcanic fragments and a green chloritic groundmass. This feldspathic greywacke is poorly bedded and sedimentary structures are rare. A 3-5 meter thick, gypsum-bearing unit outcrops within this member, southeast of Fire Mountain. This layer is composed of 40-60% gypsum, and also contains 15% disseminated pyrite. The occurrence of this layer within the Brokenback Hill Formation suggests a seafloor exhalative environment.

The uppermost member of the Brokenback Hill Formation is composed of pyroclastic rocks, including lapilli tuffs and aphanitic felsic, intermediate and compositionally-varied volcanics. The sedimentary rocks at the base of this member grade into the rocks of the underlying member. The volcanics are thought to have been deposited under subaerial conditions.

Structure

Three phases of deformation of the Fire Lake Group have been identified. The first deformation is characterized by shallow-angle thrusts which resulted in the superposition of the Peninsula Formation onto the Brokenback Hill Formation. Thrusting resulted in the tight, overturned folds in the hanging wall of the faults. The fault surfaces are characterized by en echelon shear bands, as well as boudinage of sandstone beds. The boudins are rotated, and indicate south-southeast transport.

The second phase of deformation resulted in tight, large-amplitude northwest-trending folds. These folds contain parasitic folds on multiple scales as well as a penetrative axial cleavage defined by aligned mica. This deformation event is thought to have occurred under greenschist metamorphic conditions. This deformation event also resulted in the Fire Creek Thrust, which traces Fire Creek and the ridge crest of Fire Mountain. This high-angle thrust resulted in the lower Brokenback Hill formation being juxtaposed against the upper stratigraphy of the formation. The fabrics associated with the thrust are ductile, and the rocks have been

exposed to high grade metamorphism. Sigmoidal, “c” and “s” fabrics from steeply-dipping shear bands indicate steep-angle, southwest thrusting. Quartz veins are boudinaged and highly deformed along the shear bands. Mineral lineations plunge to the northwest along the foliation, and are consistent with steep angle thrusting with a dextral slip component. Talc schist, with quartz-kyanite segregations, is found in the mapped area, indicating high pressure and temperature conditions during thrusting, implying significant burial.

The third and final major deformation event resulted in steep-dipping, northeast-striking faults, which are regionally extensive. Structures and fabrics within these faults indicate dextral, transcurrent motion. The surface traces of these faults are straight and often marked by physiographic depressions.

Mineralization

A number of different styles of mineralization have been recognized in the Fire Lake Group, including volcanic-exhalative mineralization, stockworks and skarns related to granodiorite, and mesothermal Au-Cu veins associated with high-angle thrust faults.

The Fire Lake Group has been correlated to the Gambier Group, which contains the Britannia volcanogenic massive sulfide orebody. This Kuroko-style deposit contains bedded and brecciated gypsum, similar to pyritic gypsum found in the Brokenback Hill Formation, and suggests the possibility of similar submarine hydrothermal mineralization in the Fire Lake Group.

The Fire Creek Thrust may have influenced the distribution of Au-Cu veins. The association of high-angle faults and Au-bearing veins is well documented in both Archean and younger Au-vein systems (Sibson, 1989). In the Fire Lake Group, three Au-bearing veins occur in the footwall of the Fire Creek Thrust, northwest of Fire Mountain: the Money Spinner, Barkoola, and Blue Lead veins. These veins were discovered in the 1890s and have been the focus of many exploration programs, including minor mining and underground development.

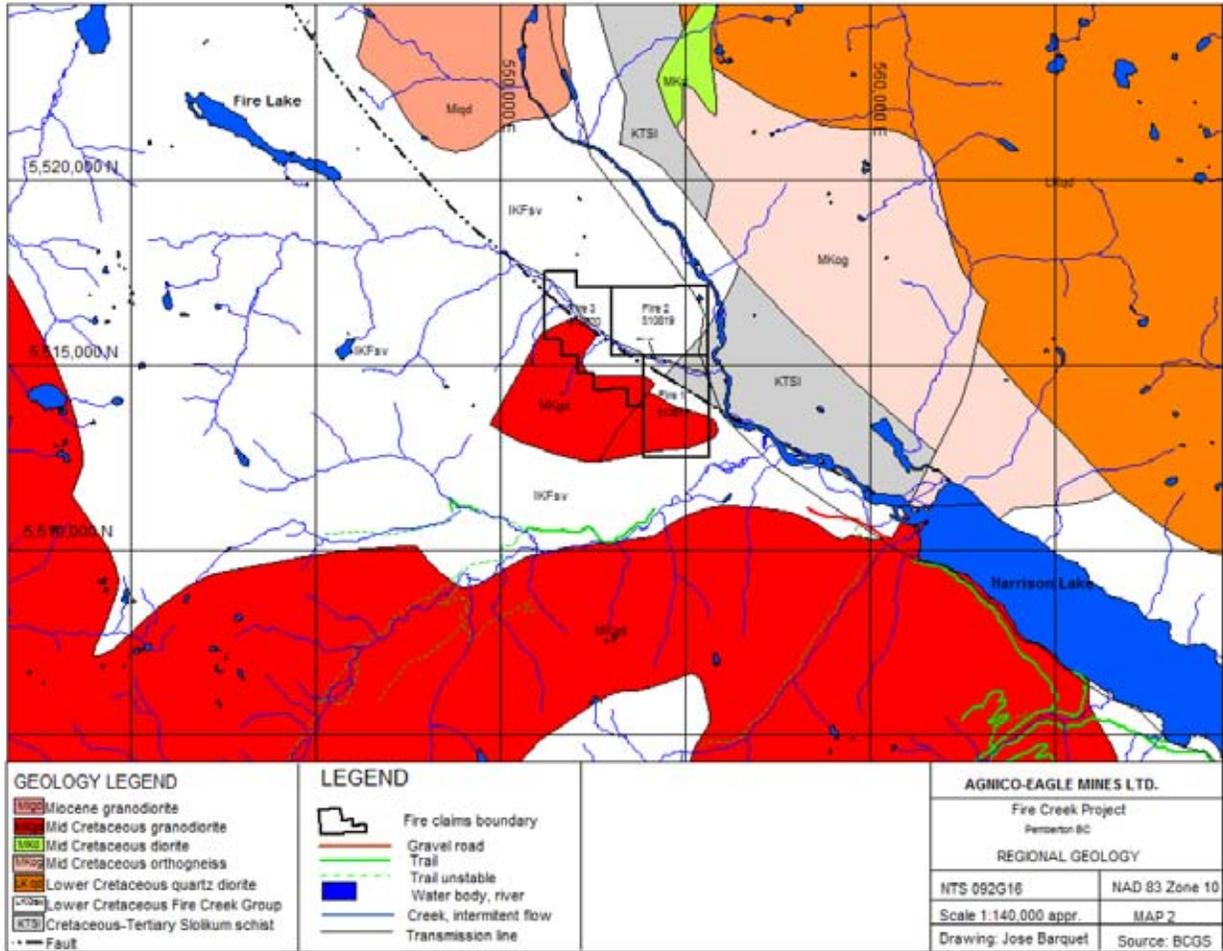


Figure 3: Regional Geology Map

Property Geology

The area was mapped during 2005 by the geologists of Cumberland Resources Ltd. and the geology is thought to be part of the lower stratigraphy of the Brokenback Hill Formation (Assessment Report #28,141).

The property is dominated by high angle structural elements, sericitic and silicic alteration and greenschist metamorphism.

There are identified four lithologies that are described on detail in the Cumberland Report by Andrew Hamilton (2006):

The oldest rock type is shale that may include interbedded tuffs that outcrops at the southern end of the property. The unit is bedded with an east-west strike and dips to the south.

A sharp contact separates the shale from the quartz-muscovite-kyanite schist unit. This

unit is actually the old feldspar crystal tuff but during the course of Cumberland exploration it was determined by petrography the actual mineralogy. In this way the author of the present report will maintain the new definition as valid. Pyrite is present in variable quantities up to 15%. This unit constitutes the major cliff forming rock type on the north side of the creek.

A highly foliated sericite schist unit is also found in the north side in contact with the above mentioned unit. No traces of sulphides were found in this rock type.

The north side of the Fire Creek is dominated by andesite with few exceptions. The andesite is fine to medium grain and generally massive.

An scapolite schist unit has been identified in previous works in the south side of the creek, but only in one outcrop and for this reason has not be differentiated.

The structure of the property is dominated by WNW-ESE trending structural elements and lithological boundaries, parallel to the Fire Creek.

The alteration is associated directly with the quartz-muscovite-kyanite schist and the sericite schist and is characterized by silicic and sericitic alteration as well as 15% pyrite with extension to the southeast of the creek.

The alteration may be a key factor in the determination of the rock type; the quartz-muscovite-kyanite schist is characterized by medium to strong silicic alteration while the sericite schist shows intense sericitic alteration.

A number of different styles of mineralization have been recognized in the Fire Lake Group, including volcanic-exhalative mineralization, stockwork and skarn related to granodiorite, and mesothermal Au-Cu veins associated with high-angle thrust faults.

The Fire Lake Group has been correlated to the Gambier Group, which contains the Britannia volcanogenic massive sulphide ore body. This Kuroko-style deposit contains bedded and brecciated gypsum, similar to pyritic gypsum found in the Brokenback Hill Formation, and suggests the possibility of similar submarine hydrothermal mineralization within the Fire Lake Group.

The Fire Creek Thrust may have influenced the distribution of Au-Cu veins. The association of high-angle faults and Au-bearing veins is well documented in both Archean and younger Au-vein systems (Sibson, 1989). In the Fire Lake Group, three gold-bearing veins (Money Spinner, Barkoola, and Blue Lead veins) occur in the footwall of the Fire Creek Thrust, northwest of Fire Mountain. These

veins were discovered in the 1890s and have been the focus of many exploration programs, including minor mining, and underground development.

History

In August 1980, red oxide-stained boulders were noted in the creek bed at the Fire Creek Bridge during a regional sampling program by Territorial Gold Placers Ltd. These float boulders proved to be strongly altered and bleached tuffs, with pervasive silica and sericite alteration and 10-20% pyrite. This led to additional exploration farther up the Fire Creek valley, to find the source area of the boulders. Similar altered material was found 2.5 kilometers upstream from the bridge on the sides of near-vertical rusty cliffs. The altered zone was thought to resemble a pyritic stringer zone assemblage, typical of the footwall of other massive sulfide deposit prospects in the area. The area surrounding the altered cliffs was staked immediately thereafter (Hades and Brimstone claims), and samples from the sulfide mineralization zone and along staking lines were collected. Results from this sampling program indicated strongly anomalous gold values (up to 470 ppb) as well as anomalous copper, lead, silver and arsenic values. A pan sample was also taken at the logging road bridge, where the rusty float boulders were first observed. This sample contained 5430 ppb gold and 271 ppm copper, suggesting a significant gold source within the Fire Creek drainage basin.

A second field program was completed on the Fire Creek prospect in 1981. This program included a focused study on the south side of the creek, to test the hypothesis that the rusty cliffs are the source of the gold anomaly. This program resulted in the delineation of a 1000 meter long, 350 meter wide and 70 meter deep altered and mineralized zone. Geochemical results indicated that this zone is anomalous in gold, arsenic, silver, barium and lead, and is depleted in zinc. Surface samples from along the strike length of the zone ranged from 1 to 1950 ppb gold, and average 307 ppb. The zone was reinterpreted as a siliceous hydrothermal hot spring, rather than the footwall of a massive sulfide system.

In 1984, the property was optioned to Tenquille Resources Ltd. Airborne VLF-EM and magnetometer surveys were completed, as was an Airphoto Tectonic survey. A diamond drill hole was attempted from the logging road running along the south side of the creek, but the equipment utilized was unable to penetrate the gravel-till overburden. The property was returned to Hycroft Resources in 1985.

Further mapping and sampling continued through 1986, and a strong gold anomaly (>100 ppb) was measuring 1000 by 100 meters was outlined, with a strike trending northwest by southeast, crossing Fire Creek at the site of the rusty near-vertical cliffs. The highest gold values were found on the central part of the northwestern lobe of the anomaly. This area was targeted for a diamond drill program in 1987.

Nine diamond drill holes, totaling 850 meters, were completed off the north side of Fire Creek. Three holes that were to assess the projected mineralized zone were stopped short due to technical difficulties (87DH-2, 87DH-3 and 87DH-8). Drill hole 87DH-6 was also abandoned due to technical problems. Highlights from this drill program are shown in table 1:

Table 2: 1987 Drilling Program Highlights

Hole_ID	From	To	Interval (m)	Au g/t	Ag g/t	Cu %	Zn %
87DH-1	30.3	33.3	3.00		44.0	0.47	0.08
87DH-1	73.8	91.8	18.00	1.30	4.0		
inc	85.8	91.8	6.00	2.54	8.3		
87DH-2	24.8	27.8	3.00		9.1	0.80	0.35
87DH-2	53.3	56.3	3.00		127.3	1.01	0.18
87DH-3	24	28.5	4.50		9.6	0.12	0.44
87DH-3	33	34.5	1.50	0.96	46.0	0.35	1.62
87DH-4	17.3	18.8	1.50	1.68	5.5	0.28	
87DH-4	51.8	54.8	3.00	1.01	2.9	0.22	
87DH-5	17.3	20.3	3.00	3.05	4.0	0.10	
87DH-7	66.8	72.8	6.00	1.05	3.4	0.12	
87DH-8	58.8	60.3	1.5		44.4	0.69	0.10
87DH-9	10.8	13.8	3		32.4	0.30	1.30
87DH-9	33.3	34.8	1.5	1.58	122.5	0.71	0.14

Results from the 1987 drill program outlined a large sulfide-bearing silica-sericite-chlorite alteration zone that is approximately 20 meters in true thickness to the northwest, increasing to 40 meters to the southeast. Drill hole intersections also outlined an approximate strike length of 200 meters and a depth greater than 120 meters. The alteration appeared to lose intensity to the northwest and likely pinches out. The extent of the alteration to the southeast

was unknown and may continue for several hundred meters beyond the boundary of the zone delineated by drill hole data. Three continuous gold-bearing zones were outlined, with a maximum grade of 5.93 g/t gold, and anomalous concentrations of Cu, Pb, Zn, and Ag. Further drilling was proposed to identify the limits of the gold-bearing zones. The overall system was reinterpreted as a potential massive sulfide deposit environment, due to the significant occurrences of primary sulfides, as well as high Cu, Pb, Zn and Ba content.

Cumberland Resources Ltd. of Vancouver, B.C. acquired ground covering the Fire Creek prospect in mid April 2005. A preliminary visit was made to the property by helicopter in June, 2006 and a field program was carried out in September 2006.

In 2007 Agnico-Eagle Mines Limited acquired Cumberland Resources Ltd., and become the owner of the Fire Creek property.

In April 2011 a rock sampling program conducted by Jose Barquet, Pigeon, AEM consultant and collected nine rock samples on the property.

In March 2012 AEM engaged Franklin Geosciences Limited, and did a detail statistical analyses and interpretation on historical and current rock, soil and silt assay results.

In July 2012 a rock sampling program conducted by Jose Barquet, P.Geo. AEM consultant and Henry Castillo of AEM and collected 53 rock samples on the property. Franklin Geosciences Ltd. did the statistical analysis of the assays results of the 53 rock samples and also incorporated on the historical data base of the Fire Creek property. The results of the statistical analysis, interpretation and observation are discussed on the heading “Work Completed-July2012” by Dr. James Franklin.

Work Completed

As part of the continuing effort to evaluate the prospectivity of the Fire Creek Property, Agnico-Eagle Mine Limited (AEM) undertook additional bedrock sampling for the area in the late spring of 2012. This supplements earlier report (Assessmnet Report #1111, Franklin and Barquet, 2012, unpublished), and addresses the implications for prospectivity of the area using new data for the 53 rock samples collected by Jose Barquet, P. Geol., and Henry Castillo for Agnico-Eagle Mines Limited (Figure 4). The 53 rock samples were submitted to ALS Chemex Laboratories in Vancouver B.C. for gold analysis (Au-AA23), 33 elements by ME-ICP61, Y and Zr XRF05

Analysis and ME-XRF06 for whole rock analysis. Figures 5 to 10 show the rock geochemistry maps for gold, silver, lead, zinc and barium, respectively.

Most of the previous samples were analyzed by partial dissolution methods, which provide reliable data only for base and precious metals, plus barium (determined separately). One smaller data set of four-acid dissolution data provided a limited amount of major element data that indicated that Na depletion, as an example of a key mineralization indicator, had affected some of the presumed footwall rocks in two mineralized zones. The new data set on which I am commenting here provides 53 new high-quality whole-rock analyses. These provide a much firmer basis for evaluating the prospectivity of the area.

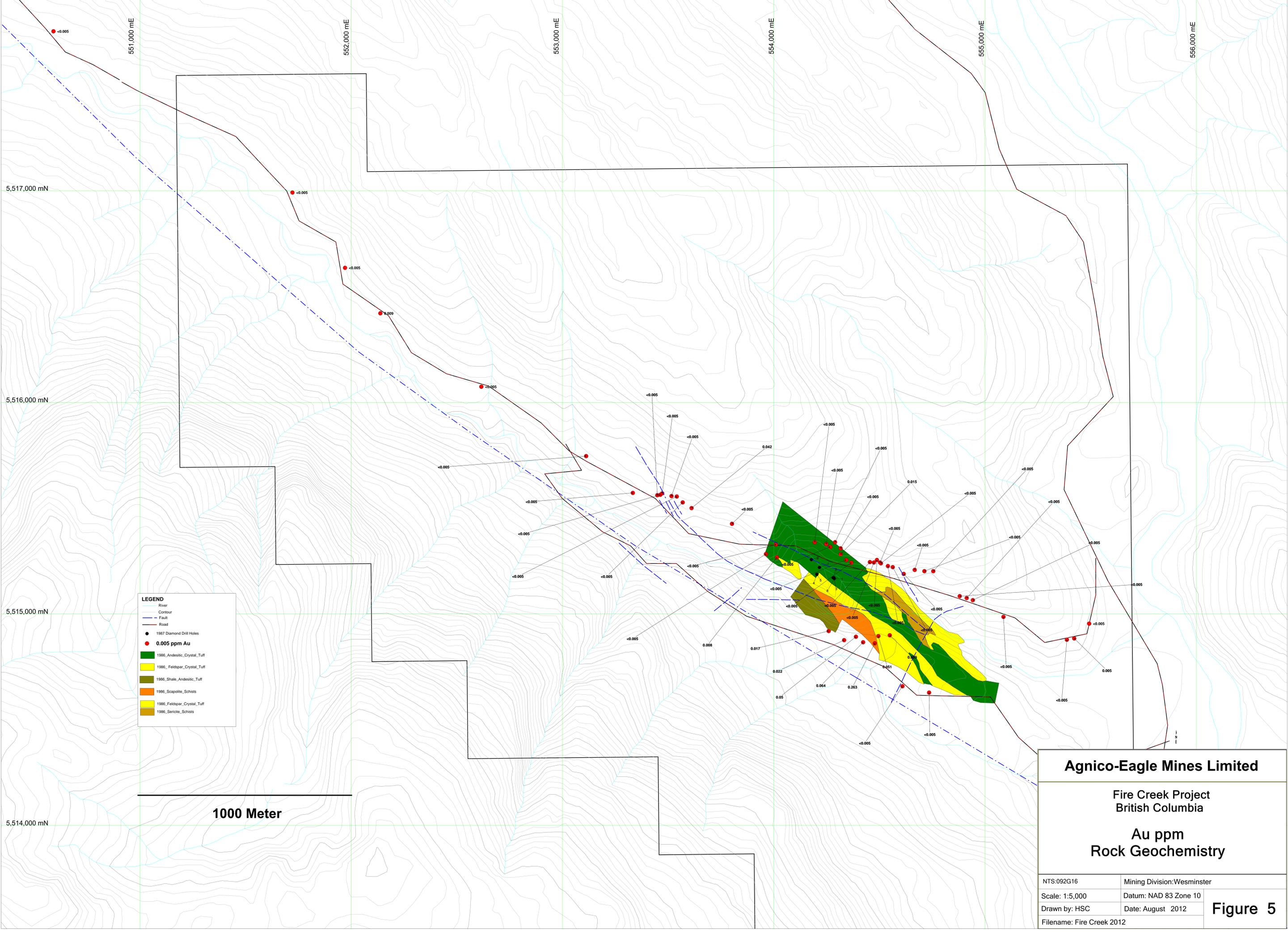
Franklin Geosciences Limited and AEM undertook both a statistical and spatial analyses of the data. For the latter, they combined the previous data analysis with the new data, to provide a more complete look at some of the key indicators. For the former it used only the new data, as mixing incompatible data types is statistically unacceptable.

Observations:

The previous statistical analysis indicated a moderately significant correlation between Au, Ag and Ba, and an incompatibility between Zn and the Ba-Au pair. These correlations were determined on the basis of examining only the most reliably determined elements in the data set. A similar statistical determination using the new data confirms the previous observations. Note that for some elements (Ag, Au, and Sb) the sample populations are smaller, making the correlations a bit more suspect. However, correlations > 0.7 are meaningful, and for those elements with complete representations, correlations > 0.6 are meaningful. The results of the correlation analysis are in Table 3.

The following are notable:

1: Gold (Au), arsenic (As), antimony (Sb) and barium (Ba) correlate well. This conforms my earlier observation that these elements probably formed in a distinct zone, and, if typical of most VMS systems, these accumulated at the stratigraphic top of the system. In many deposits, the Au-Ba zone is separate from the massive sulfides, and may form either a cap (e.g. Tambo Grande) or in peripheral chimney zones (e.g.) Axial Seamount).



LEGEND

- River
- Contour
- Fault
- Road
- 1987 Diamond Drill Holes
- 0.005 ppm Au
- 1986_Andestic_Crystal_Tuff
- 1986_Feldspar_Crystal_Tuff
- 1986_Shale_Andestic_Tuff
- 1986_Scapolite_Schists
- 1986_Feldspar_Crystal_Tuff
- 1986_Sericite_Schists

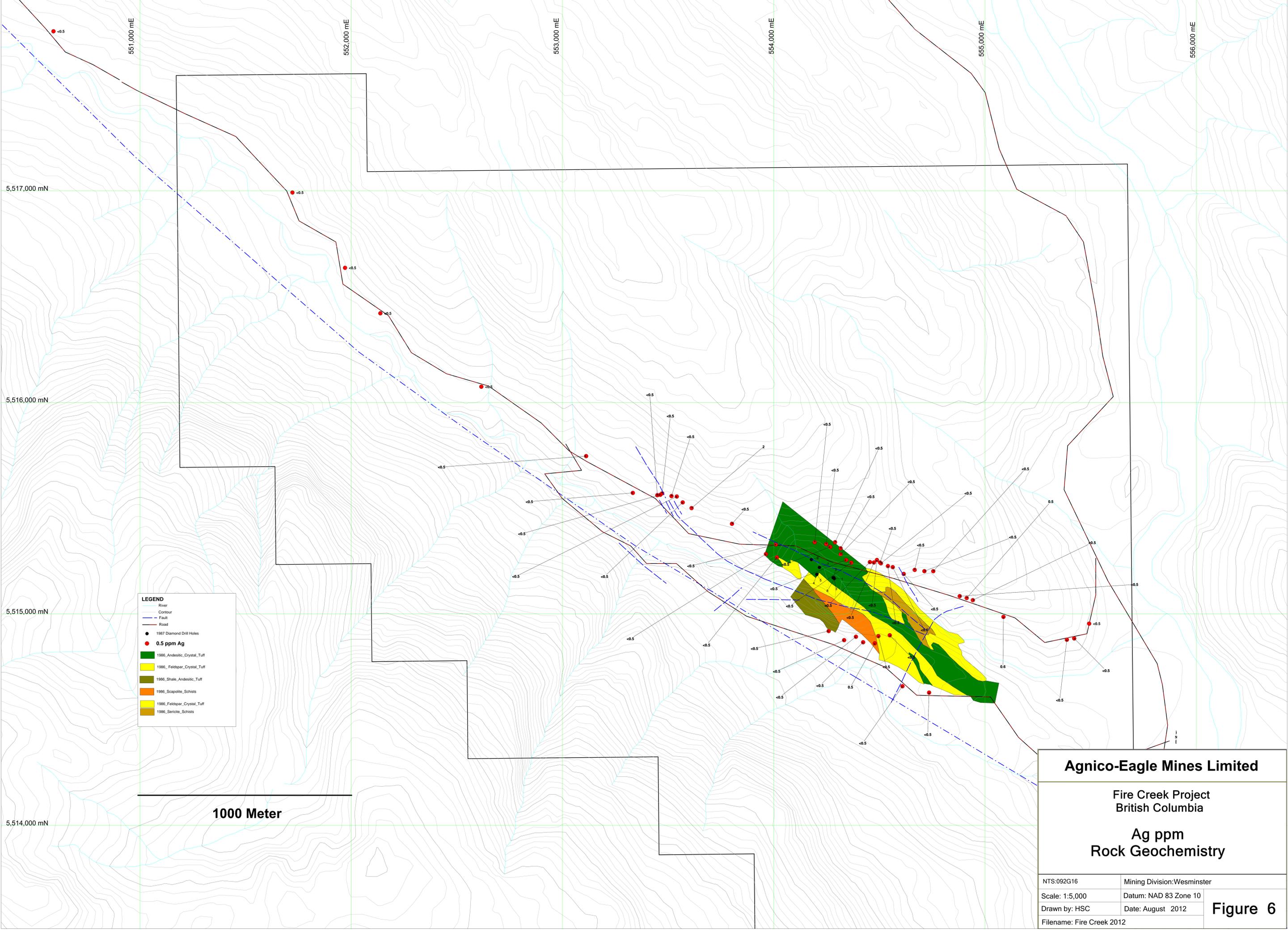
1000 Meter

Agnico-Eagle Mines Limited

Fire Creek Project
British Columbia

**Au ppm
Rock Geochemistry**

NTS:092G16	Mining Division: Wesminster
Scale: 1:5,000	Datum: NAD 83 Zone 10
Drawn by: HSC	Date: August 2012
Filename: Fire Creek 2012	Figure 5

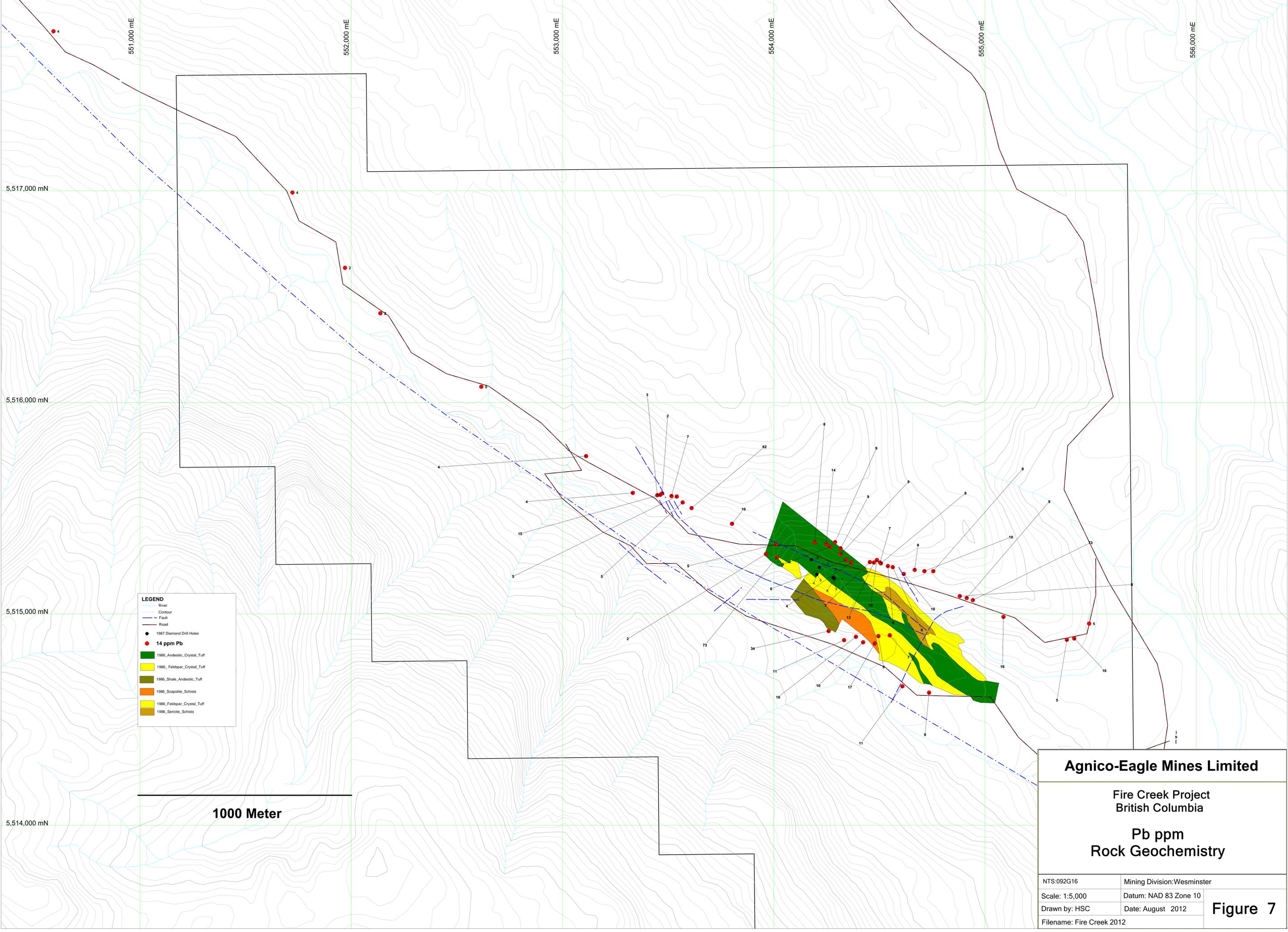


LEGEND

- River
- Contour
- - - Fault
- Road
- 1987 Diamond Drill Holes
- 0.5 ppm Ag
- 1986_Andestic_Crystal_Tuff
- 1986_Feldspar_Crystal_Tuff
- 1986_Shale_Andestic_Tuff
- 1986_Scapolite_Schists
- 1986_Feldspar_Crystal_Tuff
- 1986_Sericite_Schists

1000 Meter

Agnico-Eagle Mines Limited	
Fire Creek Project British Columbia	
Ag ppm Rock Geochemistry	
NTS:092G16	Mining Division:Wesminster
Scale: 1:5,000	Datum: NAD 83 Zone 10
Drawn by: HSC	Date: August 2012
Filename: Fire Creek 2012	Figure 6



LEGEND

- River
- Contour
- Fault
- Road
- 1987 Diamond Drill Holes
- 14 ppm Pb
- 1986_Andestic_Crystal_Tuff
- 1986_Feldspar_Crystal_Tuff
- 1986_Shale_Andestic_Tuff
- 1986_Scapolite_Schists
- 1986_Feldspar_Crystal_Tuff
- 1986_Sericite_Schists

1000 Meter

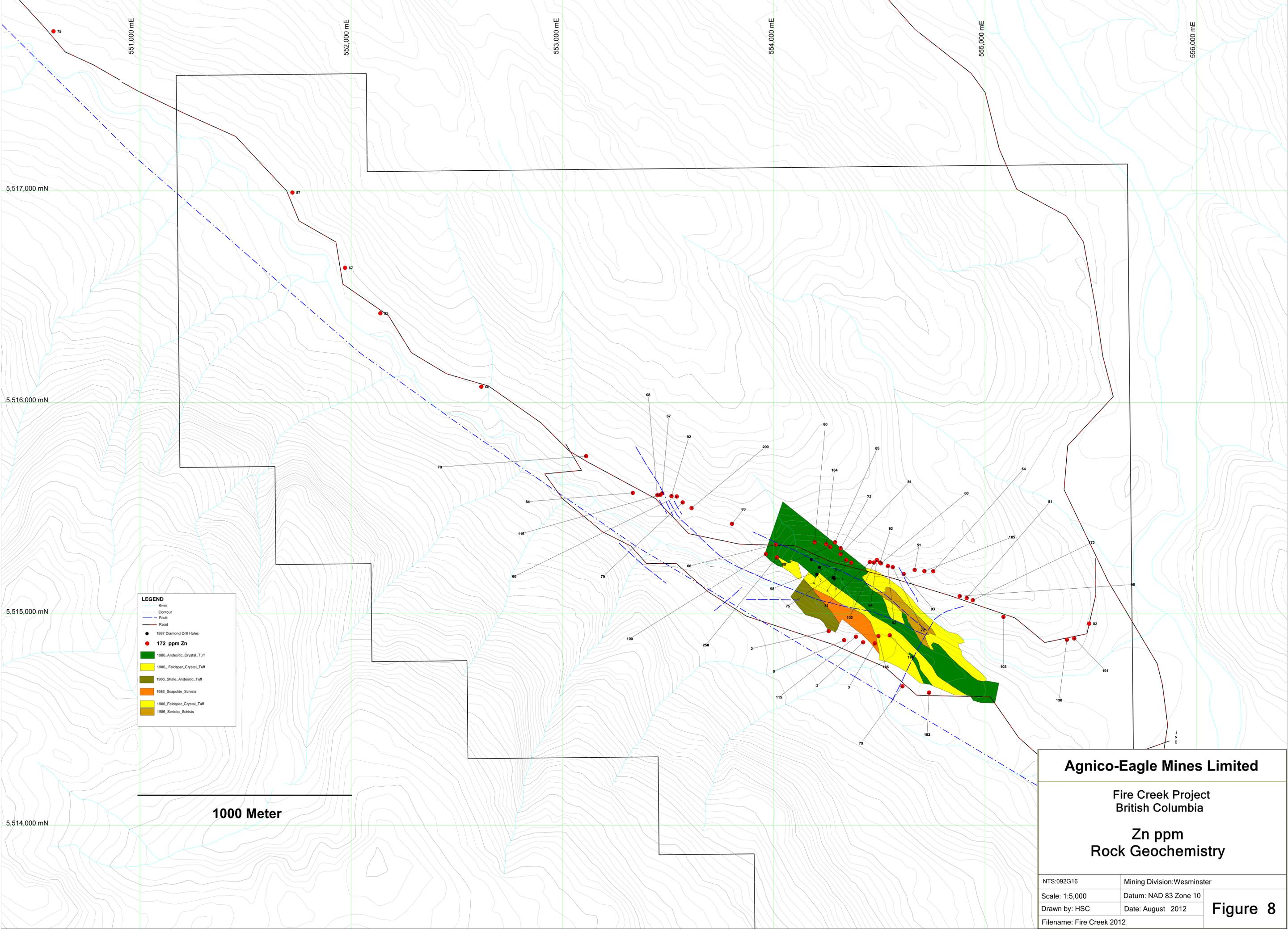
Agnico-Eagle Mines Limited

Fire Creek Project
British Columbia

**Pb ppm
Rock Geochemistry**

NTS:092G16	Mining Division:Wesminster
Scale: 1:5,000	Datum: NAD 83 Zone 10
Drawn by: HSC	Date: August 2012
Filename: Fire Creek 2012	

Figure 7



LEGEND

- River
- Contour
- Fault
- Road
- 1987 Diamond Drill Holes
- 172 ppm Zn
- 1986_Andestic_Crystal_Tuff
- 1986_Feldspar_Crystal_Tuff
- 1986_Shale_Andestic_Tuff
- 1986_Scapolite_Schists
- 1986_Feldspar_Crystal_Tuff
- 1986_Sericite_Schists

1000 Meter

Agnico-Eagle Mines Limited

Fire Creek Project
British Columbia

**Zn ppm
Rock Geochemistry**

NTS:092G16	Mining Division:Wesminster
Scale: 1:5,000	Datum: NAD 83 Zone 10
Drawn by: HSC	Date: August 2012
Filename: Fire Creek 2012	

Figure 8

2: the association of the volatile elements, As and Sb with gold and Ba is indicative of the presence of a boiling systems, with Au, As and Sb transported in a volatile phase. The lack of correlation of these elements with S and Fe₂O₃ indicates that they are not associated with sulfide minerals. **This is highly significant, as extra care in sampling and core logging is necessary in order to locate the gold-rich zones.**

3: Silver (Ag) is strongly correlated with lead (Pb) and zinc (Zn). This indicates that these elements precipitated from a low temperature (low-T)-volatile dominated fluid that had high S activity. Sphalerite may have very low Fe contents, and thus light-coloured.. Recognition of it in core may be challenging as well.

4: Pb, Zn and Fe are distinctly correlated, but not with Cu. This indicates a distinct sulfide zoning, with Cu precipitated separately, and most likely stratigraphically below the Zn-Pb-Ag sulfide zone. Again, this is consistent with a relatively low-T, vapour dominated VMS system. Such systems may have relatively poorly developed Cu stringer zones, or alternatively, these zones may be stratigraphically separated from the massive sulphides.

Means											
	AU_PPM	MNO	AG	AS	BA	CU	PB	S	SB	ZN	FE2O3
	0.046	0.115	0.9	11.991	704.528	39.623	11.792	0.463	11	92.203	7.062

Pearson Correlation Matrix											
	AU_PPM	MNO	AG	AS	BA	CU	PB	S	SB	ZN	FE2O3
AU_PPM	1										
MNO	-0.253	1									
AG	+1	-0.585	1								
AS	0.724	-0.101	-0.186	1							
BA	0.738	-0.315	-0.431	0.452	1						
CU	-0.26	-0.034	0.046	0.037	-0.29	1					
PB	-0.092	-0.009	0.331	0.178	0.029	-0.097	1				
S	-0.004	0.104	0.997	0.102	0.102	0.061	0.472	1			
SB	0.791	-0.653	-	0.888	0.368	-0.182	0.611	-0.796	1		
ZN	-0.482	0.52	0.911	-0.109	-0.421	0.026	0.904	0.324	-0.649	1	
FE2O3	-0.362	0.271	0.921	-0.147	-0.679	0.203	0.123	0.496	-0.267	0.628	1

Pairwise Frequency Table											
	AU_PPM	MNO	AG	AS	BA	CU	PB	S	SB	ZN	FE2O3
AU_PPM	12										
MNO	12	55									
AG	2	4	4								
AS	12	53	4	53							
BA	12	53	4	53	53						
CU	12	53	4	53	53	53					
PB	12	53	4	53	53	53	53				
S	12	53	4	53	53	53	53	53			
SB	4	4	1	4	4	4	4	4	4		
ZN	12	53	4	53	53	53	53	53	4	53	
FE2O3	12	53	4	53	53	53	53	53	4	53	53

Table 3 Correlation coefficient data, WR data set, Fire Creek property.

Table 3: Correlation Coefficient Data, Whole Rock Data Set

The principal component (factor) analysis re-enforces the same observations (Table 4):

1: Silver, lead zinc and iron form a common factor, indicative that these elements are all sequestered in sulfides, and form a distinct assemblage.

2: Gold, barium and arsenic also form a distinct and separate factor, indicative that these elements occur in a separate zone that is not dominated by sulfides. Separately I tested the correlation of Ba with K₂O, as Ba, particularly in the levels reported in this data set, may also be sequestered in sericite. The correlation coefficient between Ba and K₂O is -0.049, indicating that Ba sequestration in sericite alteration is not significant.

3: The Zn-MnO factor indicates that Mn is sequestered in sphalerite, a common feature of VMS deposits. Mn and Ca do not correlate, indicating that carbonate may not be a significant feature of the alteration here.

4: The Cu-Fe-CaO factor indicates that Cu (chalcopyrite) formed separately from the other sulfides; with some pyrite, and that there may be a relationship to calcite in the footwall.

Rotated Loading Matrix (VARIMAX, Gamma = 1.000000)				
	1	2	3	4
AU_PPM	-0.407	0.889	0.016	-0.219
BA	-0.268	0.64	-0.291	-0.46
AG	1.09	-0.355	-0.35	0.036
CU	0.012	0.019	-0.11	0.89
PB	0.807	0.148	-0.106	-0.201
ZN	0.83	-0.14	0.481	0.033
AS	0.091	0.927	-0.069	0.113
MNO	-0.016	-0.097	1.004	-0.016
CAO	-0.31	-0.419	0.297	0.524
FE2O3	0.663	-0.23	0.269	0.413

"Variance" Explained by Rotated Components				
	1	2	3	4
	3.31	2.464	1.635	1.553

Percent of Total Variance Explained				
	1	2	3	4
	33.104	24.638	16.346	15.529

Table 4: Varimax rotated factor scores of key elements in the Fire Creek WR data set.

Table 4: Varimax Rotated Factors Scores of Key Elements

In summary, the correlation and factor analyses indicate that the Fire Creek system is a typical boiling, probably shallow water, and volcanoclastic dominated system. Gold may have accumulated near the top or peripheral to the main sulfide depositional site, A stringer Cu zone, if present (and it may not be prominent) formed separately from the Zn-Pb-Ag massive sulfide zone. Overall, the system seems to be classic shallow water, zone, probably tabular in shape, zinc-lead dominant, and with characteristics similar to either Kuroku or Eskay creek-type mineralization.

Alteration and lithotype indicators: The classic alteration associated with virtually all VMS deposits is characterized by Na depletion, aluminous alteration (best represented by anomalous normative corundum), and sericite and possibly chlorite alteration. Ba is typically added in the hangingwall (together with gold, as noted above), and Cu is enriched in the FW.

Lithotypes: Primary lithology is best represented by immobile elements such as Zr, TiO₂, Y and Nb. Because the provided data contain only a limited amount of immobile element data, I examined only the Zr/TiO₂ probability distribution and Al-Mg-Fe (Jensen) classification plots (Figure 1). The latter plot is not overly reliable due to influence from mineralization-related Fe and Mg. There appears to be two compositional groups, with a small representation of mafic compositions. The predominance of intermediate compositions may reflect a back-arc setting, where melt contamination may have been extant (Embley et al., 1988). Such comparisons reflect an anomalous heat source at or near the base of the crust, a feature that is prominent in many VMS districts.

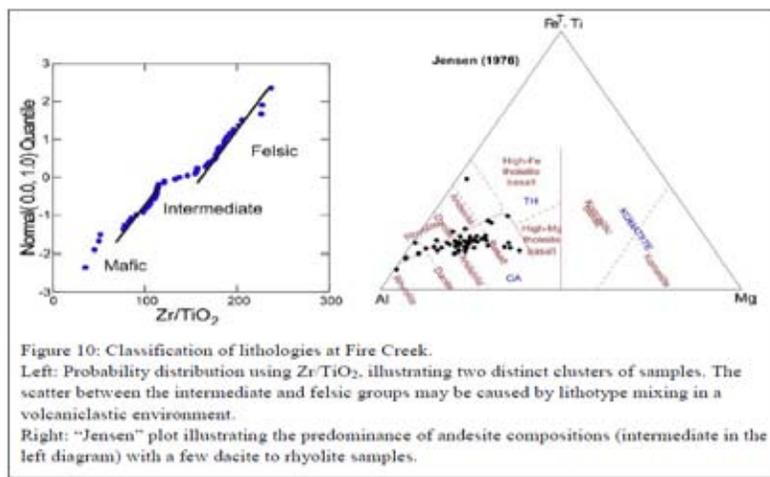


Figure 10: Classification of Lithologies

Alteration: Surprisingly, only a few samples are strongly Na-depleted (<1.5% Na₂O). (Figure 2) Several of these low-Na samples are exceptionally aluminous, indicative of strong footwall alteration, possibly by highly acidic fluids or vapour. In addition to a few that are Na-depleted samples there are a few Na-enriched. The lack of strong Na-depletion may indicate that the hydrothermal system at Fire Creek is of modest proportions, as the footwall part of most VMS systems is strongly Na depleted. This apparent lack may also be an artifact of sampling, as the footwall part of the system is largely inaccessible due to extreme topographic relief in the area. Na addition is common in the immediate hangingwall of some VMS systems, particularly where discharge and precipitation is largely sub-seafloor.

Overall, the samples in this data set are somewhat K-enriched, with one sub-population of strongly enriched samples. Similarly, normative corundum is well developed in many samples; any sample with >5% corundum should be considered strongly altered, and those with > 15% as exceptionally altered, probably by acidic vapour.

Samples with > 1000ppm Ba are usually Ba-enriched, and as previously noted, Ba is not sequestered in sericite, and thus may occur as barite. A small sub-set of two samples is strongly baritic.

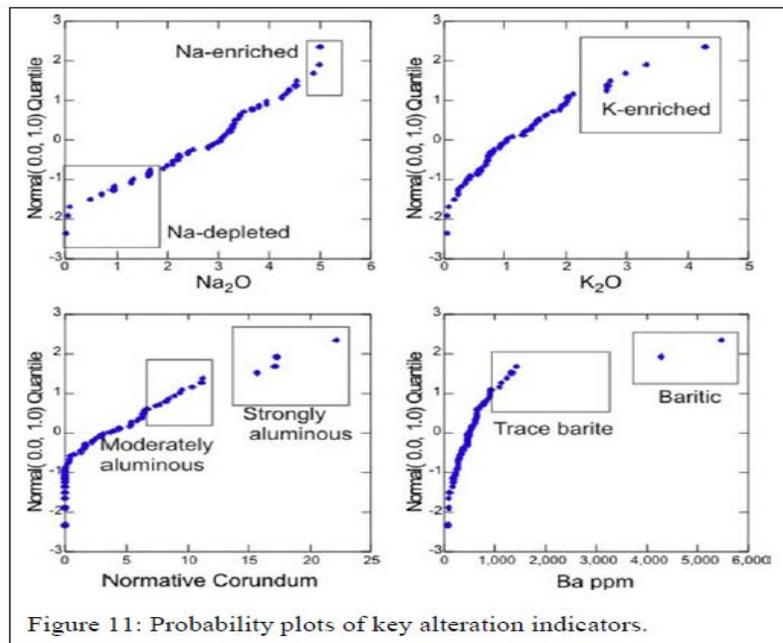


Figure 11: Probability Plots of Key Alteration

In examining the spatial distributions of anomalous values of the alteration indicators and the base and precious metals metal values using the same threshold values as the previous reporting's (Figure 12-16). The basis for these threshold values were also presented in those reports. All of the reliable data for these elements, from previous four-assay determinations as well as the present whole-rock (WR) data were included. In my earlier reports (AEM) I identified four areas with mineralization potential, and these are shown for reference in the same diagrams.

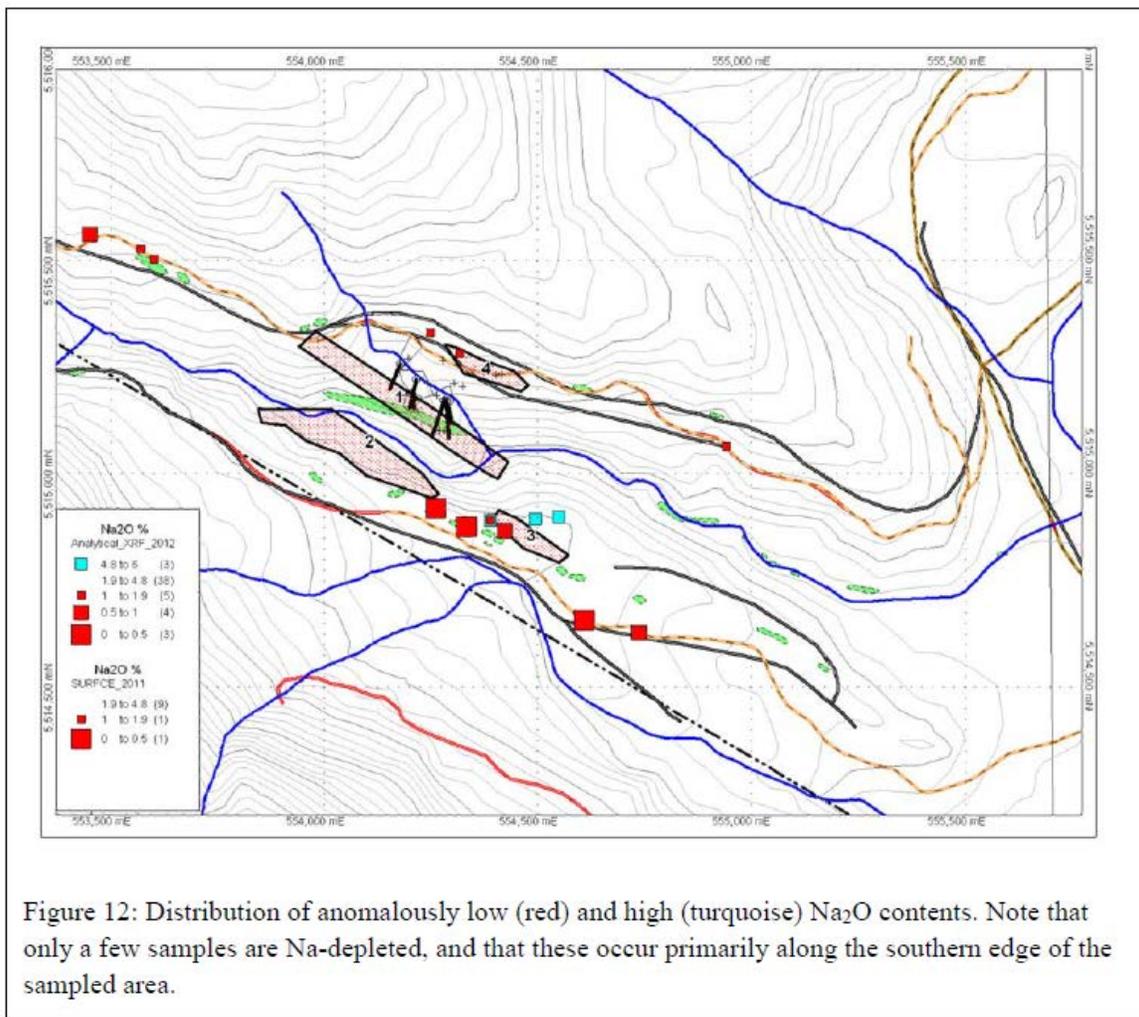


Figure 12: Distribution of Anomalous Low (Red and High (Turquoise Na₂O Contents

In Figure 2 a total 12 samples were taken to the south of these former samples, so the true extent of Na depletion is not known, it is evident that the distribution of anomalously low Na is primarily restricted to the area beneath.

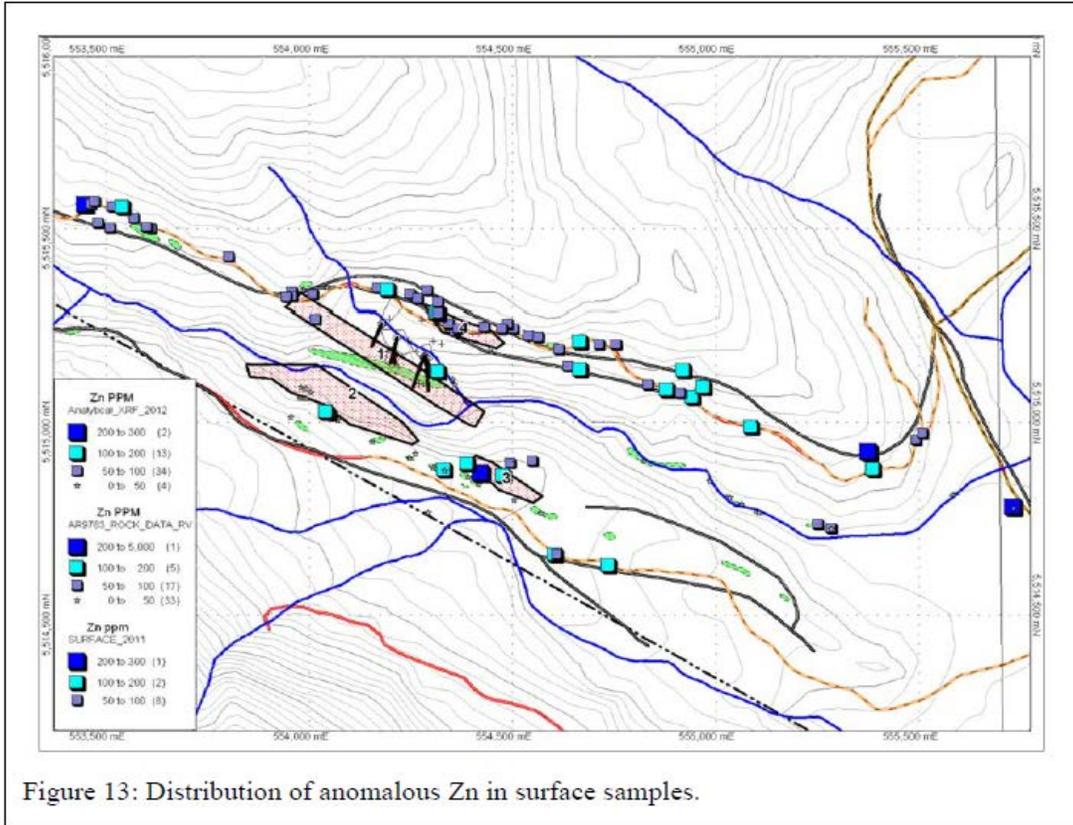


Figure 13: Distribution of anomalous Zn in surface samples.

Figure 13: Distribution of Anomalous Zinc

The zinc contents of the surface samples are not particularly elevated, with almost all < 1000 ppm. These values are widespread, with a concentration of the most anomalous values in Area 3. Although there appear to be many anomalous values associated with Area 4 and its on-strike extension, there are fewer samples with contents in the highest Zn-content interval along that trend than in Area 4. Again, sampling density is poorer in the southern tier (Areas 3 and 4), possibly leading to a misleading interpretation of value for the stratigraphically higher (Area 2) zone.

The gold contents of the surface samples are quite high, given that no specific zones of mineralization were sampled. As evident in Figure 14, the enhanced gold is most prominent in Areas 1 2 and 3, with the highest values in Area 2 and 3. Area 4, which has the laterally extensive anomalous Zn zone, is not Au-enriched.

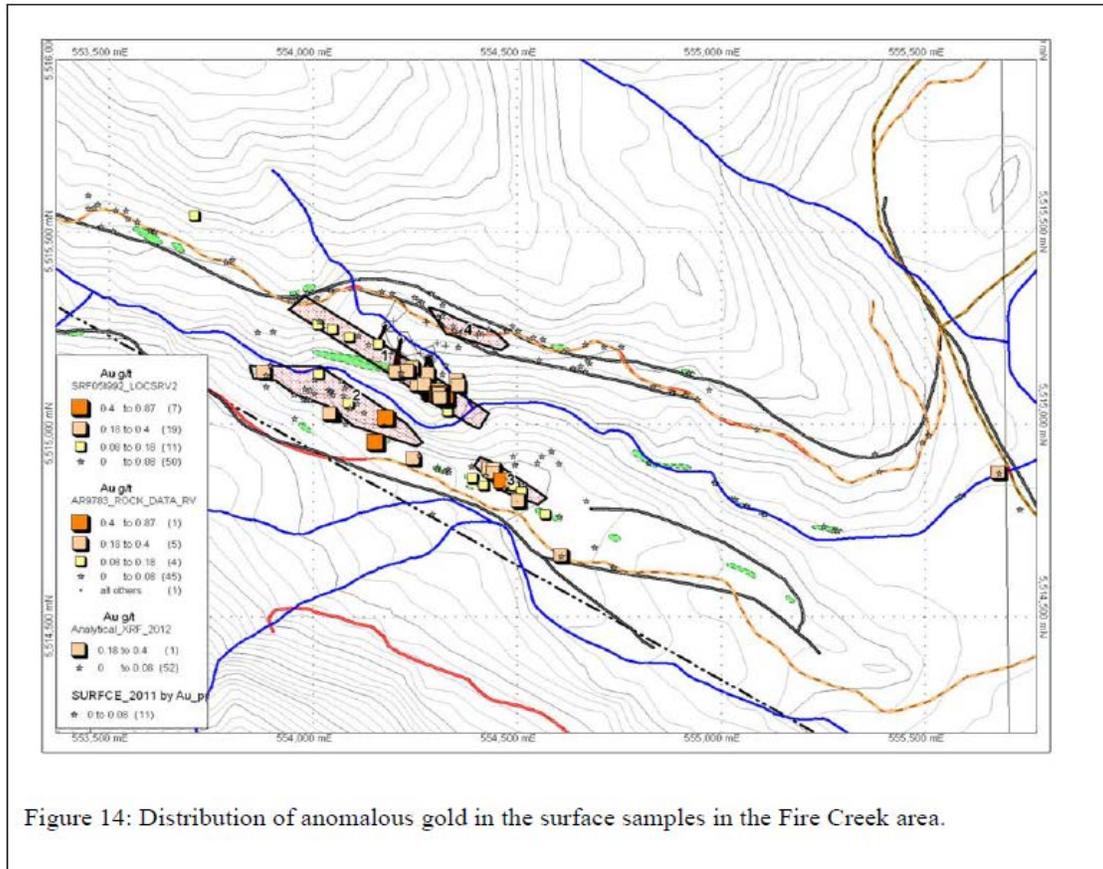


Figure 14: Distribution of anomalous gold in the surface samples in the Fire Creek area.

Figure 14: Distribution of Anomalous Gold

In evaluating the gold distribution it is important to also consider the distribution of Ba. As noted above, Au and Ba are correlated, and appear to form a separate mineralized zone. Figure 15 illustrates the distribution of samples with anomalously enriched barium. In most volcanic lithotypes, barium contents rarely exceed 1000 ppm. This value was used as a cut-off for plotting analogous contents. Numerous samples have contents in excess of 6000 ppm, and more contain between 1000 and 6000 ppm. Most likely all of them contain barite, which can form in one of two ways. VMS-related hydrothermal barite can form only on contact of a hydrothermal fluid with oxidized seawater. Secondly, it can form from a fluid emanating from an oxidized magma chamber. In either case, the oxidation process also causes quantitative precipitation of gold from the AuHS- complex. The latter complex forms specifically where the S activity of the fluid is very high, and this is generally formed in a boiling system. One of the best examples of this is seen in the modern seafloor hydrothermal systems where, for example the gold content of the precipitated sulphides varies with water depth. For example, the deep water systems on the Juan

de Fuca ridge (Endeavour, Southern Juan de Fuca, and Middle Valley) contain generally less than 1 ppm Au, whereas in the shallow water (1500m) system at Axial Seamount, the gold contents are 5-10ppm. The gold content of the source fluid in all of these cases is the same, about 90ppt.

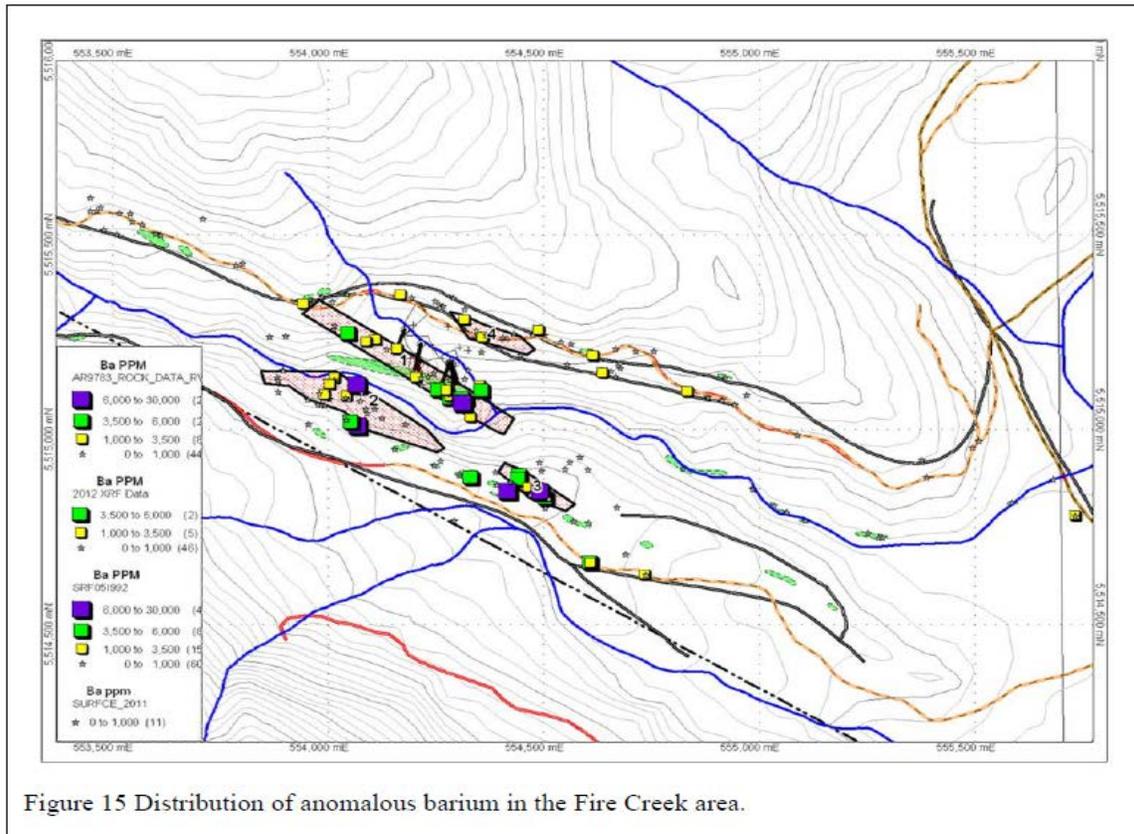


Figure15: Distribution of Anomalous Barium

The close spatial correspondence of anomalous gold and barium in zones Areas 2 and 3 are indicative that these are the most prospective in the area.

Finally, I examined the distribution of anomalous Mn in the area. Mn is conserved in a hydrothermal fluid, and generally is sequestered either in carbonate in the immediate footwall, or in hangingwall sedimentary strata as an exhalative component. Although anomalous values are sparse (Figure 16), there are several associated with zone 3, indicative that it may have the highest prospectivity in the area.

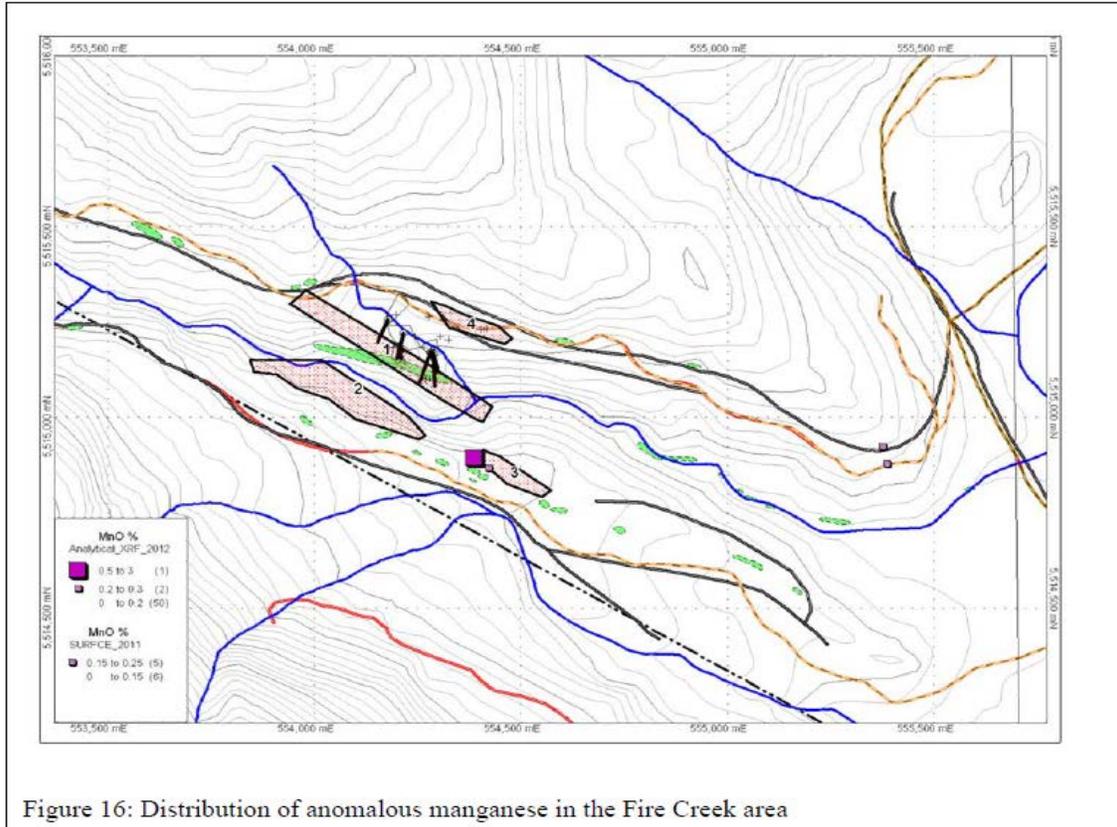


Figure 16: Distribution of anomalous manganese in the Fire Creek area

Figure 16: Distribution of Anomalous Manganese

Conclusions and Recommendations

1: Principal characteristics:

The lithogeochemical data indicate that there was vigorous, shallow water-style VMS system operating at Fire Creek. Its principal characteristics are:

- Separation of gold and barium from zinc-silver mineralization; the excellent correlation of Au and Ba indicates that the gold-rich zones may be either stratigraphically above or adjacent to the more base-metal-enriched zones.
- Strong stratiform control of Zn-Ag mineralization; The Ag may be contained in sulphosalts, although the contents of As and Sb, as well as Ag are low in the whole rock (data set. However, in the drillhole assay data (previously reported) a significant number of values are in excess of 1 ounces/tonne, and these values correlate with arsenic. (No Sb data-available).

- Distinctive but aerially restricted Na depletion: It is present only on the south-western side of the area, indicative of a facing direction to the northeast.
- Relatively low Cu contents, with none (in the new data set) above background levels. If there is a stringer copper zone, it is probably at a stratigraphically lower level, and separated from the Zn-Ag-Au-Ba zones.
- The area is comprised primarily of andesitic volcanoclastic rocks, with lesser amounts of dacite.

2: Ore type and potential:

The VMS system at Fire Creek seems most closely related to a shallow-water, boiling depo-centre. Although the current sampling indicates three possible stratigraphic horizons (and this may be an artifact of the sample availability). All of the mineralization formed sub-seafloor, but “replacement” of volcanoclastic material in permeable (coarser grained?) horizons. This type of mineralization is commonly Zn-Ag rich, Cu-poor and strongly stratiform. Metal zoning is typical, and Fire Creek may have either a Ba-Au cap or adjacent zone to the Zn mineralization that is Au-rich. The Au zones do not have associated sulfides, and may be rather subtle, yet potentially quite rich. Identifying them in core may be challenging, and use of a portable XRF analyser (for Ba) might be warranted.

The zones with the greatest potential appear to be those on the south-west side of the sampled area (Ares 2 and 3). These have the coincidentally highest gold and base metal samples, and associated Na depletion and Mn enrichment in the footwall area. These have not been drill tested,

Overall, the data indicate the potential presence of a VMS system of modest size. Its best potential is for a gold-enriched cap or marginal zone. Although each of the zones outlined above has potential for discovery, previous drilling and the results considered herein indicate that the more southerly zones or areas have the best base and precious metal contents, and are closest to a zone of significant footwall alteration. Little is known about the structure of the region. It is possible that each of the E-W zones or areas (1, 2-3, and 4) may represent fold repetitions. Regardless, the area seems to have stratigraphic polarity, and faces north. The best resources are possibly closest to the base of the system.

3: Recommendations

Figure 8 illustrates where additional sampling and drilling might be considered.

1: Focus the primary exploration efforts on the southwestern zones or areas (2 and 3) as these have the highest potential for gold and base metals. If the topography allows, it may be possible to undertake additional sampling on the footwall (southern) side of the property.

2. There is an access road there, and samples taken it are Na depleted. An additional tier of samples to the south of the road would be ideal, if there is any outcrop.

3: If possible, undertake a geophysical survey over the areas of Areas 2 and 3. Some form of transient EM might be best suited to VMS-style mineralization.

4: Drilling from that road from footwall to hangingwall focussed on Area 3, should test the presence of any anomaly. .Given the modest prospectivity of the area, an incremental approach to exploration is recommended. Expenditures should be restricted to about \$500,000 to \$1,000,000, with continuous re-assessment of the prospectivity based on the results of the additional work.

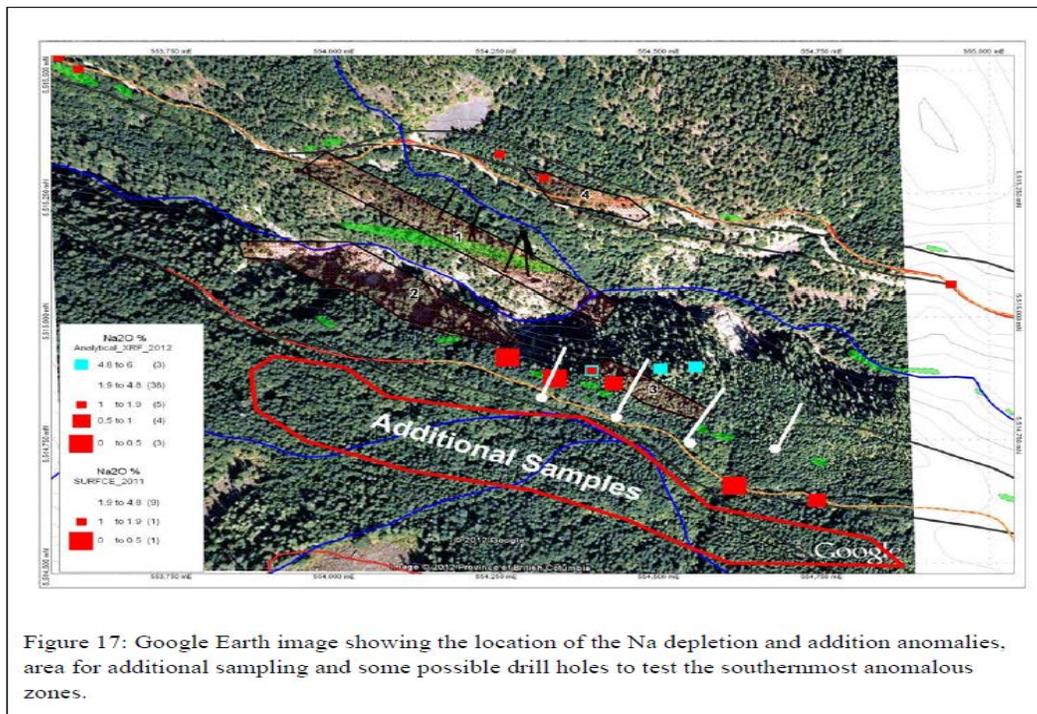


Figure 17: Areas for Additional Sampling and Diamond Drilling

References

- Barquet, J., 2011, Exploration Report on the Fire Creek Claims, filed in 2011 in the Gold Commissioner's Office (Unpublished).
- Christie, J.S., and Richards, G.G., 1986, Geochemical Assessment Report, Fire Creek Prospect, Report #14,663, Gold Commissioner's Office
- Christie, J.S., and Bennett, D.R., 1988, Geological Assessment Report, Fire Creek Prospect, Report #17,508, Gold Commissioner's Office
- Embley, R. W., Jonasson, I. R., Perfit, M. R., Franklin, J. M., Tivey, M. A., Malahoff, A., Smith, M. F., and Francis, T. J. G., 1988, Submersible investigation of an extinct hydrothermal system on the Galapagos Ridge: sulphide mounds, stockwork zone and differentiated lavas: In: Seafloor hydrothermal mineralization (R.F. Martin ed.), p. Canadian Mineralogist, 26, 517-540.
- Franklin, J. M., and Barquet, J., 2012, Report on the Fire 1, Fire 2, and Fire 3 claims: Agnico Eagle Mines.
- Hamilton, A.P., Jamieson, J.W; 2006, Geological and Geochemical Report Fire Creek Prospect, Cumberland Resources, Report # 28,141,
- Jeletzky, J.A., 1965, Late Upper Jurassic and early Lower Cretaceous fossil zones of the Canadian Western Cordillera; Geological Survey of Canada, Bulletin 103, p. 70
- Lynch, J.V.G., 1990, Paper 90-1E, Current Research, Part E: Cordillera and Pacific Margin, Geological Survey of Canada, pp. 197-204
- Payne, J., 2005, Vancouver Petrographics Report #050789 for Cumberland Resources Ltd., Fire Creek Property
- Price, B.J., and Howell, W.A., 1981, Geochemical Report, Fire Creek Prospect, Report #09783, Gold Commissioner's Office
- Roddick, J.A., 1965, Vancouver North, Coquitlam and Pitt Lake map-areas, British Columbia; Geological Survey of Canada, Memoir 335, p. 276
- Sibson, R.H., 1989, Earthquake faulting as a structural process; Journal of Structural Geology, v.

STATEMENT EXPENDITURES

PROFESSIONAL FEES AND WAGES:

	TOTAL	HST	NET
Jose Barquet, Consulting Geologist 6days@\$600/day	\$ 3,600.00	-	\$ 3,600.00
Steven McRoberts, Supervising Geologist 1 day@\$400/day	\$ 400.00		\$ 400.00
Jim Franklin, Consulting Geologist	\$ 600.00		\$ 600.00
Henry Castillo, Sr. Geologist 6days@\$400/day	<u>\$ 2,400.00</u>	-	<u>\$ 2,400.00</u>

Sub-Total	\$, 7,000.00		\$ 7,000.00
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EQUIPMENT RENTAL:

Rental Truck, 6 days@\$123.50	<u>\$ 741.00</u>	<u>\$ 88.96</u>	<u>\$ 839.96</u>
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Sub-Total	\$ 741.00	\$ 88.96	\$ 829.96
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EXPENSES:

Chemical Analyses	\$ 2,776.66	\$ 378.64	\$ 3,155.30
Material and Supplies	\$ 875.69	\$ 105.08	\$ 908.77
Accommodation-Pemberton Valley Lodge	\$ 1,032.00	\$ 123.84	\$ 1,155.84
Food/Drinks	\$ 450.45	\$ 39.13	\$ 489.58
Taxis	\$ 45.00	\$ -	\$ 45.00
Automotive Fuel	<u>\$ 171.81</u>	<u>\$ -</u>	<u>\$ 171.81</u>

Sub Total	\$ 5,351.61	\$ 646.69	\$ 5,998.30
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Report Writing	\$ 2,500.00	-	\$ 2,500.00
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GRAND TOTAL	\$ 15,592.61	\$ 735.65	\$ 16,328.00
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Certificate of Qualifications

I, James M Franklin, residing at 24 Commanche Drive, Ottawa Ontario K2E6E9 do hereby certify that:

I am a graduate of Carleton University (B.Sc. 1964, M.Sc. 1967) and the University of Western Ontario (PhD 1970)

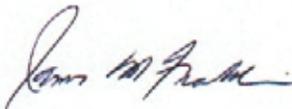
I am a registered Professional Geologist in the Province of Ontario (no 353) and am in good standing

I have practiced my profession for 48 years

I hold no direct or indirect beneficial interest in the properties subject to this report, or in Agnico Eagle Mines Ltd

I consent to the use by Agnico-Eagle Mines Ltd. of this report in any such documents as may be required by any regulatory or government authority at the company's discretion

Signed and dated in Ottawa on the October 5, 2012



James M Franklin PhD FRSC P Geo (Ontario Lic 353)



CERTIFICATE OF QUALIFICATIONS

I, Jose G. Barquet, residing in the #15833 of 26th Avenue, Unit 71 in Surrey, British Columbia, do hereby certify that:

- I am a graduate of the Escuela Superior Politecnica del Litoral from Guayaquil, Ecuador with the diploma of Ingeniero Geologo (Engineer Geologist) in 1996
- I have validated my diploma with the equivalence of Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia.
- I am registered as Professional Geoscientist in the above mentioned association and that I am a member in good standing with the License Number 34361.
- I have practice my profession for more than 25 years in Ecuador and in Canada
- I hold no direct or indirect beneficial interest in the properties subject of this report, or in Agnico-Eagle Mines Ltd.
- I consent to the use by Agnico-Eagle Mines Ltd. of this report in any such documents as may be required by any regulatory or government authority at the company discretion.

Signed and dated in Vancouver, BC the October 5th, 2012



Jose G Barquet, P. Geo.

License# 34361

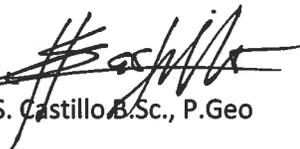
CERTIFICATE OF QUALIFICATIONS

The field work described in this report was conducted and supervised by Henry S. Castillo

I Henry S. Castillo of 2148 E 33RD Avenue, Vancouver, British Columbia, hereby certify that:

1. I am Senior Geologist of Western Canada Exploration office for Agnico-Eagle Mines Limited with the business address at 400-543 Granville Street, Vancouver, B.C. V6C 1X8.
2. I am Project Geologist for the Fire Creek Project since 2009 to present.
3. I am a graduate of Adamson University, Manila, Philippines with the B.S. degrees in Geology.
4. I have been practiced my profession in mineral exploration for 17 years in Canada, Ecuador, Indonesia, the Philippines and Vietnam.
5. I am a Professional Geologist registered with Association of Professional Engineers and Geoscientists of British Columbia (Registration Number 33450).

Date at Vancouver, British Columbia, this October 5, 2012.


Henry S. Castillo B.Sc., P. Geo



APENDIX A

Rock Sample Descriptions

Sample	Easting	Northing	Zone	Rock Type	Sample Descriptions
Number	UTM	UTM	Location		
H481751	549,047	5,511,238	Sloquet Area	Granite?	Rock chip sample on the rock exposure along the logging road, unaltered intrusive rock
H481752	549,684	5,511,010	Sloquet Area	Volcanic?	Rock chip sample on very fine grained, light green, with slightly altered to chl+sil+/-pyrite, weakly magnetic
H481753	549,707	5,510,978	Sloquet Area	Volcanic?	Rock chip sample on fine grained, slightly altered to chl+sil, weakly magnetic
H481754	550,160	5,510,884	Sloquet Area	Volcanic?	
H481755	550,171	5,510,881	Sloquet Area	Volcanic?	Rock chip sample on the rock exposure along the logging road, slightly altered rock
H481756	550,188	5,510,878	Sloquet Area	Volcanic?	Rock chip sample on fine grained, moderately altered to chl+sil, weakly magnetic
H481757	555,493	5,514,954		Volcanic?	Light grey, fine grained rock. Strong sil., weak oxidation. Very small feldspar grains (<0.1 mm)
H481758	555,422	5,514,884		Volcanic-sedimentary	Medium to dark grey color, fine grained with trace of schistosity rock. Mod sil, Weakly mag containing isolated grains of fine (<0.1 mm) Py.
H481759	555,387	5,514,878		Volcanic?	Rock chip on slightly altered volcanic rock (chl-sil)
H481760	555,087	5,514,986		Volcanic?	Rock chip sample on fine-medium grain, moderately altered chl+sil+diss py, show schistosity
H481761	554,942	5,515,065		Volcanic?	Rock chip sample on fine-med grained, gray-white color with limonite staining, along fractures and schistosity, moderately strongly altered to ser+sil+chl, weakly magnetic, with pyrite >1%
H481762	554,880	5,515,084		Volcanic?	Rock chip sample on fine grained volcanic sediment, moderately chl+sil and diss py (0.5%), show schistosity,
H481763	554,913	5,515,075		Volcanic?	Rock chip sample from med-grained, moderately altered to ser+sil+chl, with pyrite >1%, with limonite staining
H481764	554,755	5,515,202		Volcanic-sedimentary	Dark green color, with small scattered feldspar crystals (<1 mm) making about 10% of mass. Moderate sil, strong chl and very light schistosity
H481765	554,713	5,515,202	Fire Creek Zone	Crystal Tuff?	Dark grey-greenish color, low grade schistosity, moderate silicified and chloritized
H481766	554,667	5,515,208	Fire Creek Zone	Volcanic?	Rock chip sample on fine-medium grain, moderately altered chl+sil+diss py, show schistosity
H481767	554,615	5,515,189	Fire Creek Zone	Volcanic?	Rock chip sample on slightly altered volcanic, show schistosity, with traces of sulphides (py)
H481768	554,507	5,515,239	Fire Creek Zone	Volcanic?	Rock chip sample on fine-med grained, gray-white color with limonite staining, along fractures and schistosity, moderately strongly altered to ser+sil+chl, weakly magnetic, with pyrite >0.5%
H481769	554,503	5,515,243	Fire Creek Zone	Volcanic-sedimentary	Medium dark greyish-green color, fine matrix with scattered feldspar grains (up to 3 mm), yellowish-orange oxide stained. Moderate to strong sil-chl. Some relict structures of sulphide minerals

H481770	554,488	5,515,255	Fire Creek Zone	Volcanic?	Rock chip sample on fine-medium grain, slightly to mod altered chl+sil+diss py, show schistosity
H481771	554,474	5,515,243	Fire Creek Zone	Volcanic?	Rock chip samples on fine grained, mod-strongly altered to ser+sil+chl, weakly magnetic, with pyrite >0.5% with minor qtz veinings
H481772	554,367	5,515,242	Fire Creek Zone	Volcanic-sedimentary	Light greenish-grey color, mod sil-chl weak ser, slightly mag. Very fine grained rock presenting a very light schistosity.
H481773	554,194	5,515,339	Fire Creek Zone	Volcanic-sedimentary	Medium to dark green color with saltpeppered feldspar crystals (1-2 mm). Moderate sil-chl. Very light bedding
H481774	554,010	5,515,328	Fire Creek Zone	Volcanic?	Rock chip sample on fine-med grained volcanic sediment, slightly-mod chl+sil and diss py, show
H481775	553,802	5,515,426	Fire Creek Zone	Crystal Tuff?	Light greenish-grey fine grained rock, with very low schistosity. Mod sil-chl-ser. Abundant (~70%), small (~1 mm) grained feldspar. Traces of very small (<0.1 mm)
H481776	553,611	5,515,500	Fire Creek Zone	Volcanic-sedimentary	Light greenish-grey, very low schistosity rock. Weak sil, mod chl-ser alteration. Abundant cubic Py very fine grained (<1 mm) in clusters and stringers aligned with schistosity
H481777	553,569	5,515,527	Fire Creek Zone 5		Medium dark green, fine grained sample. Mod sil-chl
H481778	553,449	5,515,561	Fire Creek Zone	Volcanic?	Rock chip sample from med-grained, gray-white color with limonite staining, along fractures and schistosity, mod-strongly altered to ser+sil+chl, with pyrite >1%
H481779	553,333	5,515,572	Fire Creek Zone	Volcanic-sedimentary	Light yellowish pale green, fine grained containing small felds grains (<1 mm) up to 80% of rock, in light green matrix (20%)
H481780	553,112	5,515,746	Fire Creek Zone	Crystal Tuff?	Light to dark green color, with massive aggregate of coarse grained feldspar (1-10 mm), moderate sil-chl. <u>Matrix dark green, fine grained, very light schistosity</u>
H481781	552,616	5,516,074		Schist	Light green, schistose rock. Strong sil, weak chl. With few disseminated felds grains (2-3 mm) isolated in very fine matrix and isolated small grains of Py
H481782	552,138	5,516,421		Volcanic?	Rock chip sample on fine-med grained volcanic sediment, mod chl+sil and diss py, show schistosity,
H481783	551,971	5,516,636		Volcanic?	Rock chip sample on fine-med grained volcanic sediment, mod-strongly chl+sil altered volcanic with traces of py, show schistosity,
H481784	551,722	5,516,992		Volcanic-sedimentary	Medium to dark green color, fine grained with scattered feldspar crystals, (1-2mm), very light schistosity or layering?,. Moderate sil, strong chl/ser
H481785	550,591	5,517,754		Volcanic?	Rockchip on the boulder rock north of the claims, slightly altered volcanic rock
H481786	553,463	5,515,563	Fire Creek Zone	Volcanic?	Rock chip sample on fine-med grained, slightly altered to chl+sil, weakly magnetic, with pyrite >0.2%

H481787	553,472	5,515,570	ire Creek Zone	Volcanic?	magnetic
H481788	553,516	5,515,557	ire Creek Zone	Volcanic-sedimentary	Light greenish-grey color. Stron sil; mod chl-ser alteration. Very light schistosity, containing traces of cubic Py.
H481789	553,541	5,515,555	ire Creek Zone	Volcanic-sedimentary	Very light creamy-grey color sample, mod sil, weak chl
H481790	554,248	5,515,330	ire Creek Zone	Volcanic?	Rock chip sample from med-grained, gray-white color with limonite staining, along fractures and schistosity, mod-strongly altered to ser+sil+chl, with pyrite >1%
H481791	554,267	5,515,317	ire Creek Zone	Volcanic?	Rock chip samples slightly altered to chl+sil, trace of pyrite weakly magnetic
H481792	554,290	5,515,339	ire Creek Zone	Volcanic-sedimentary	Light greenish-gray rock, with low schistosity, mod sil, weak chl, made with small grains (<0.1 mm) up to 80% in fine grained and lighter fine matrix.
H481793	554,316	5,515,282	ire Creek Zone	Schist	Light green, low schistosity, fine grained. Moderate sil-chl. With few grains of cubic Py (<1 mm) <1%
H481794	554,316	5,515,310	ire Creek Zone	Volcanic-sedimentary	Light grey, fine grained (<0.1 mm) rock. Weak sil-chl, mod ser. Presencxe of Py fine grained (<0.1 mm) in traces amount.
H481795	554,343	5,515,255	ire Creek Zone	Volcanic?	Rock chip sample on sligt;y altered volcanic, show schitosity, with traces of sulphides (py)
H481796	554,455	5,515,245	ire Creek Zone	Volcanic?	Rock chip sample on fine-med grained volcanic sediment, slightly chl+sil altred with traces of py, show
H481797	554,540	5,515,226	ire Creek Zone	Volcanic?	Fine-med grained, slightly altred to chl+sil, weakly magnetic, with pyrite >0.2%
H481798	554,563	5,515,221	ire Creek Zone	Volcanic?	Rock chip samples mod altered to chl+sil+/-py, weakly magnetic
H481799	553,963	5,515,283	ire Creek Zone	Volcanic-sedimentary	Light greenish-grey color, mod. Sil, weak chl-ser
H481800	554,015	5,515,267	ire Creek Zone	Volcanic-sedimentary	Light greenish-grey, very fine grained rock with mod schistosity, mod sil, weak chl and taces of very fine Py
H481801	554,495	5,514,895	e Creek Zone 2	Volcanic-sedimentary	Light grey, very fine grained rock, with small isolated grains <0.1 mm not identified. Mod sil alteration. Py small grains (<0.1 mm) disseminated making up to 5%.
H481802	554,549	5,514,899	e Creek Zone 2	Volcanic?	Rock chip sample on green color, fine-med grained, mod altred to chl+sil+ py >0.2%, show schistosity
H481803	554,478	5,514,861	e Creek Zone 2	Silicic rock	Light grey quartz rock, strong hematite-sil. Relicts of fine grained sulphides
H481804	554,423	5,514,866	e Creek Zone 2	Silicic rock	Light maroon, medium grained (>1 mm) quartz altered rock, strongly silicified and oxide stained
H481805	554,389	5,514,892	e Creek Zone 2	Schist	Light greenish-grey very fine grained rock, with moderate schistosity. Weak sil-chl, mod ser. Some bleach is present
H481806	554,333	5,514,876	e Creek Zone 2	Silicic rock	Light gray, quartz rock, oxidized

H481807	554,260	5,514,919	e Creek Zone 2	Qz Vein	Qz vein sample, stained with oxide and relicts of sulphides in trace amount
H481808	554,609	5,514,658	e Creek Zone 2	Volcanic	Light grey very fine grained rock, very low schistosity, mod. Sil, weak mag containing traces of Py
H481809	554,735	5,514,628	e Creek Zone 2	Volcanic?	Rock chip samples mod altered to chl+sil with trace of py on volcanic boulder along the road

APPENDIX B

Assay Certificates



ALS Canada Ltd.
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 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **AGNICO-EAGLE MINES LTD.**
WESTERN CANADA EXPLORATION
543 GRANVILLE STREET, 4TH FLOOR
VANCOUVER BC V6C 1X8

Page: 1
 Finalized Date: 15-JUL-2012
 Account: AGEMIN

CERTIFICATE VA12158940

Project: FIRE CREEK
 P.O. No.:
 This report is for 53 Rock samples submitted to our lab in Vancouver, BC, Canada on 7-JUL-2012.
 The following have access to data associated with this certificate:
 HENRY CASTILLO

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF06	Whole Rock Package - XRF	XRF
OA-GRA06	LOI for ME-XRF06	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-XRF05	Trace Level XRF Analysis	XRF
Au-AA23	Au 30g FA-AA finish	AAS

To: **AGNICO-EAGLE MINES LTD.**
ATTN: HENRY CASTILLO
WESTERN CANADA EXPLORATION
543 GRANVILLE STREET, 4TH FLOOR
VANCOUVER BC V6C 1X8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 3 (A - D)
 Finalized Date: 15-JUL-2012
 Account: AGEMIN

Project: FIRE CREEK

CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-XRF06												
		Recvd Wt.	Au	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.02	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.01	
H481757		1.68	<0.005	59.85	18.77	5.54	3.94	2.99	4.32	1.54	<0.01	0.53	0.11	0.120	0.06	0.05
H481758		1.94	0.005	53.67	16.64	10.80	5.34	4.19	2.79	1.04	<0.01	1.00	0.20	0.204	0.03	0.01
H481759		2.12	<0.005	51.82	16.19	10.80	6.52	3.74	3.94	0.93	<0.01	0.98	0.19	0.236	0.04	0.04
H481760		2.40	<0.005	54.49	19.07	8.33	6.75	3.42	1.66	0.60	<0.01	0.88	0.13	0.190	0.05	0.04
H481761		1.84	<0.005	62.12	19.65	5.35	3.86	0.93	2.99	1.49	<0.01	0.69	0.17	0.231	0.06	0.05
H481762		1.56	<0.005	56.80	21.41	5.87	5.81	1.84	2.19	1.99	<0.01	0.67	0.13	0.296	0.04	0.06
H481763		3.94	<0.005	61.72	20.38	4.73	4.23	0.70	3.24	1.42	<0.01	0.60	0.12	0.181	0.05	0.04
H481764		1.92	<0.005	55.02	18.85	6.78	8.33	1.25	2.08	1.92	<0.01	0.58	0.16	0.204	0.05	0.05
H481765		1.92	<0.005	56.19	21.28	7.47	3.36	2.24	3.79	1.64	<0.01	0.73	0.09	0.213	0.06	0.09
H481766		2.00	<0.005	63.40	17.71	5.28	4.05	1.24	2.22	1.79	<0.01	0.53	0.08	0.177	0.06	0.10
H481767		1.86	<0.005	55.05	18.45	6.87	6.66	3.44	4.24	0.55	<0.01	0.64	0.16	0.246	0.08	0.03
H481768		2.42	<0.005	60.22	19.13	6.17	1.72	2.70	2.42	2.66	<0.01	0.71	0.05	0.151	0.05	0.12
H481769		2.44	<0.005	59.01	17.49	7.78	2.79	4.06	3.31	1.00	<0.01	0.76	0.11	0.149	0.07	0.03
H481770		2.12	<0.005	56.18	19.06	6.43	6.23	3.35	4.52	0.36	<0.01	0.62	0.09	0.198	0.11	0.01
H481771		2.38	<0.005	52.58	17.17	6.62	4.98	3.11	3.39	1.55	<0.01	0.64	0.07	0.204	0.03	0.03
H481772		2.04	<0.005	54.73	20.81	7.20	2.66	3.20	2.86	3.32	<0.01	0.79	0.07	0.218	0.03	0.08
H481773		3.06	<0.005	61.87	17.08	4.63	3.87	2.53	3.42	2.03	<0.01	0.49	0.08	0.121	0.05	0.08
H481774		2.84	<0.005	58.69	17.55	6.06	3.85	3.80	1.98	2.10	<0.01	0.51	0.12	0.116	0.02	0.04
H481775		1.64	<0.005	61.23	16.75	6.28	7.21	2.46	1.60	0.93	<0.01	0.54	0.12	0.100	0.06	0.02
H481776		3.08	0.042	58.87	11.97	14.09	0.86	0.45	0.73	2.74	<0.01	0.51	<0.01	0.032	0.01	0.02
H481777		1.72	<0.005	57.03	17.52	7.31	6.53	3.86	3.42	0.77	<0.01	0.58	0.09	0.124	0.07	0.02
H481778		2.32	<0.005	56.94	17.74	8.32	4.92	1.86	3.67	0.73	<0.01	0.59	0.07	0.123	0.06	0.02
H481779		1.98	<0.005	57.56	17.54	7.29	6.91	3.52	2.22	1.07	<0.01	0.54	0.14	0.130	0.05	0.04
H481780		1.60	<0.005	56.35	17.67	7.37	7.10	3.72	3.29	0.40	<0.01	0.61	0.14	0.125	0.06	0.01
H481781		2.24	<0.005	47.89	20.12	8.10	4.67	9.15	3.08	0.68	<0.01	0.62	0.14	0.055	0.03	0.01
H481782		3.06	0.009	47.05	21.16	9.29	7.67	5.51	3.27	0.72	<0.01	0.86	0.15	0.129	0.04	0.03
H481783		1.94	<0.005	54.27	17.81	8.19	8.86	4.31	1.91	0.17	<0.01	0.74	0.16	0.104	0.07	<0.01
H481784		1.64	<0.005	49.32	20.21	9.83	7.25	4.95	3.32	0.22	<0.01	0.91	0.14	0.126	0.05	<0.01
H481785		1.04	<0.005	56.17	17.12	7.75	7.59	3.56	3.06	0.43	<0.01	0.87	0.14	0.132	0.08	0.01
H481786		2.76	<0.005	64.65	16.32	5.81	3.11	2.19	2.49	1.44	<0.01	0.78	0.06	0.120	0.05	0.01
H481787		2.84	<0.005	55.49	18.15	7.12	7.32	4.98	1.63	0.68	<0.01	0.56	0.08	0.112	0.07	0.02
H481788		3.08	<0.005	57.79	17.42	7.48	6.24	3.53	3.12	0.74	<0.01	0.55	0.08	0.114	0.05	0.02
H481789		3.04	<0.005	57.58	17.58	7.02	8.04	2.87	2.91	0.58	<0.01	0.55	0.09	0.113	0.07	0.02
H481790		2.56	<0.005	57.59	14.44	11.63	1.54	4.81	2.09	1.33	<0.01	0.92	0.15	0.243	0.02	0.03
H481791		2.42	<0.005	58.64	18.91	5.67	4.17	3.50	4.40	0.82	<0.01	0.55	0.09	0.164	0.05	0.04
H481792		2.32	<0.005	57.12	18.02	6.71	5.82	3.39	3.49	1.29	<0.01	0.70	0.11	0.193	0.09	0.07
H481793		2.06	0.015	59.34	19.55	6.59	1.59	2.28	1.32	4.29	<0.01	0.73	0.19	0.213	0.03	0.10
H481794		2.26	<0.005	56.79	18.68	6.54	6.60	2.83	3.22	1.69	<0.01	0.72	0.11	0.194	0.09	0.08
H481795		2.60	<0.005	54.75	21.14	8.05	1.94	2.76	3.96	2.97	<0.01	0.79	0.08	0.212	0.03	0.05
H481796		2.48	<0.005	57.19	17.99	6.54	6.89	3.32	3.22	1.46	<0.01	0.66	0.11	0.199	0.09	0.06



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Page: 2 - B
 Total # Pages: 3 (A - D)
 Finalized Date: 15-JUL-2012
 Account: AGEMIN

Project: FIRE CREEK

CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-XRF06	ME-XRF06	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		LOI % 0.01	Total % 0.01	Ag ppm 0.5	Al % 0.01	As ppm 5	Ba ppm 10	Be ppm 0.5	Bi ppm 2	Ca % 0.01	Cd ppm 0.5	Co ppm 1	Cr ppm 1	Cu ppm 1	Fe % 0.01	Ga ppm 10
H481757		1.90	99.71	<0.5	8.78	<5	630	1.0	<2	2.68	<0.5	13	23	11	3.93	20
H481758		3.88	99.80	<0.5	8.58	<5	240	0.7	<2	3.67	<0.5	20	43	15	7.62	20
H481759		4.50	99.92	<0.5	8.44	<5	480	0.8	<2	4.57	<0.5	21	37	3	7.76	20
H481760		4.17	99.77	0.6	8.68	5	460	0.7	<2	4.62	<0.5	23	17	87	5.85	20
H481761		2.21	99.78	<0.5	9.60	5	580	1.0	<2	2.60	0.5	17	22	36	3.79	20
H481762		2.62	99.72	<0.5	9.95	6	650	1.1	<2	3.92	<0.5	13	13	40	4.10	20
H481763		2.14	99.54	0.5	9.41	<5	510	1.1	<2	2.84	<0.5	30	20	58	3.30	20
H481764		4.70	99.95	<0.5	8.09	<5	600	0.9	<2	5.78	<0.5	11	12	21	4.77	20
H481765		2.53	99.67	<0.5	9.91	6	920	0.9	<2	2.16	<0.5	17	8	40	4.99	20
H481766		3.23	99.87	<0.5	8.26	<5	1080	0.8	<2	2.68	<0.5	7	5	31	3.66	20
H481767		3.48	99.89	<0.5	8.18	6	390	0.9	<2	4.40	<0.5	15	4	1	4.73	20
H481768		3.80	99.91	<0.5	9.33	<5	1330	0.8	<2	1.12	<0.5	7	18	24	4.34	20
H481769		3.36	99.91	<0.5	8.65	12	460	0.7	<2	1.87	<0.5	13	16	56	5.42	20
H481770		2.62	99.76	<0.5	8.66	7	180	0.6	<2	3.99	<0.5	13	4	8	4.34	20
H481771		9.29	99.66	<0.5	8.04	<5	470	0.7	<2	3.36	<0.5	14	7	62	4.77	20
H481772		3.99	99.94	<0.5	9.97	<5	870	0.8	<2	1.73	<0.5	14	14	7	4.94	20
H481773		3.79	100.05	<0.5	8.45	<5	910	0.8	<2	2.70	<0.5	11	9	13	3.30	20
H481774		4.83	99.66	<0.5	8.26	7	480	<0.5	<2	2.62	<0.5	9	5	62	4.20	20
H481775		2.52	99.82	<0.5	8.62	36	330	<0.5	<2	5.14	<0.5	17	4	43	4.55	20
H481776		8.85	99.11	2.0	6.44	18	80	<0.5	7	0.67	1.1	17	6	52	10.80	20
H481777		2.58	99.90	<0.5	9.12	10	320	<0.5	<2	4.66	<0.5	20	12	46	5.22	20
H481778		4.86	99.89	<0.5	8.62	27	270	0.5	3	3.38	<0.5	21	6	48	5.71	20
H481779		2.99	99.98	<0.5	8.98	11	470	0.5	<2	4.92	<0.5	18	2	75	5.15	20
H481780		2.84	99.68	<0.5	8.92	8	220	<0.5	<2	4.97	<0.5	17	11	49	5.12	20
H481781		5.08	99.63	<0.5	8.72	<5	180	<0.5	<2	3.19	<0.5	27	22	25	5.50	20
H481782		3.98	99.86	<0.5	10.05	7	370	<0.5	<2	5.25	<0.5	25	12	59	6.28	20
H481783		3.21	99.81	<0.5	8.92	5	110	<0.5	<2	6.21	<0.5	33	23	68	5.89	20
H481784		3.64	99.96	<0.5	9.95	<5	80	<0.5	<2	4.95	<0.5	28	18	97	6.74	20
H481785		2.82	99.71	<0.5	8.62	<5	170	<0.5	<2	5.22	<0.5	18	2	47	5.33	20
H481786		2.73	99.75	<0.5	8.26	11	290	0.5	<2	2.16	<0.5	13	12	37	4.09	20
H481787		3.59	99.78	<0.5	8.29	8	250	0.5	<2	4.85	<0.5	15	4	142	4.81	20
H481788		2.81	99.95	<0.5	8.83	11	340	0.5	<2	4.33	<0.5	20	12	60	5.30	20
H481789		2.49	99.90	<0.5	8.95	21	280	<0.5	<2	5.59	<0.5	16	14	66	4.98	20
H481790		4.88	99.67	<0.5	7.42	18	470	0.6	<2	1.11	<0.5	17	16	18	8.01	20
H481791		2.83	99.83	<0.5	9.46	6	510	0.8	<2	2.89	<0.5	14	4	37	4.10	20
H481792		2.87	99.85	<0.5	8.80	11	770	0.7	<2	4.05	<0.5	17	13	21	4.73	20
H481793		3.22	99.43	<0.5	9.69	18	1140	0.7	<2	1.10	<0.5	16	10	97	4.66	20
H481794		2.19	99.72	<0.5	9.16	5	910	0.7	<2	4.56	<0.5	16	12	31	4.58	20
H481795		2.94	99.67	<0.5	10.40	<5	620	0.8	<2	1.31	<0.5	27	14	4	5.50	20
H481796		2.11	99.83	<0.5	9.28	6	710	0.7	<2	4.93	<0.5	15	11	81	4.72	20



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Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sc ppm 1	Sr ppm 1	Th ppm 20	Tl % 0.01
H481757		1.25	10	1.61	907	<1	3.26	10	550	6	<0.01	<5	11	481	<20	0.32
H481758		0.87	10	2.39	1590	<1	2.15	13	950	16	0.12	<5	16	287	<20	0.56
H481759		0.78	10	2.17	1570	<1	3.10	13	1110	5	0.09	<5	18	362	<20	0.55
H481760		0.42	<10	1.79	1120	<1	1.26	16	870	16	<0.01	<5	20	444	<20	0.48
H481761		1.22	10	0.46	1320	1	2.23	9	1080	73	0.39	<5	14	488	<20	0.41
H481762		1.58	10	0.92	1065	<1	1.64	13	1350	8	<0.01	<5	11	360	<20	0.39
H481763		1.15	20	0.32	995	7	2.44	11	840	9	0.28	<5	9	428	<20	0.36
H481764		1.53	10	0.53	1300	<1	1.62	7	900	8	<0.01	<5	10	431	<20	0.34
H481765		1.29	10	1.15	724	<1	2.76	5	950	10	<0.01	<5	14	514	<20	0.37
H481766		1.40	10	0.60	709	<1	1.62	<1	790	8	0.08	<5	9	504	<20	0.30
H481767		0.42	10	1.81	1250	<1	3.15	2	1090	10	<0.01	<5	11	684	<20	0.26
H481768		2.12	10	1.46	481	3	1.74	2	680	9	0.24	<5	15	451	<20	0.14
H481769		0.82	10	2.26	928	<1	2.47	6	690	7	0.13	<5	16	569	<20	0.43
H481770		0.26	10	1.74	751	<1	3.28	1	890	10	0.01	<5	11	822	<20	0.23
H481771		1.24	10	1.67	643	<1	2.49	4	900	13	0.14	<5	12	271	<20	0.31
H481772		2.66	10	1.71	597	1	2.06	11	980	4	<0.01	<5	20	274	<20	0.36
H481773		1.65	10	1.35	745	1	2.57	8	560	8	0.01	<5	11	459	<20	0.29
H481774		1.65	<10	2.03	1025	1	1.46	4	530	5	0.05	<5	17	156	<20	0.11
H481775		0.77	<10	1.34	1045	2	1.23	4	460	10	0.12	<5	18	509	<20	0.32
H481776		2.30	<10	0.22	108	17	0.56	1	150	62	>10.0	<5	17	92	<20	0.25
H481777		0.66	<10	2.19	825	1	2.66	5	590	5	0.01	<5	23	578	<20	0.35
H481778		0.57	<10	0.93	646	2	2.65	4	560	3	4.19	<5	22	479	<20	0.13
H481779		0.87	<10	1.96	1190	1	1.75	3	620	4	0.07	<5	21	438	<20	0.32
H481780		0.32	<10	2.08	1130	1	2.56	3	600	4	0.02	<5	24	564	<20	0.36
H481781		0.46	<10	5.00	1150	<1	2.32	26	240	<2	<0.01	<5	19	308	<20	0.35
H481782		0.54	<10	2.99	1215	1	2.48	9	570	2	<0.01	<5	31	344	<20	0.48
H481783		0.11	<10	2.34	1345	1	1.46	25	470	2	<0.01	<5	29	639	<20	0.42
H481784		0.16	<10	2.72	1135	1	2.52	15	580	4	<0.01	<5	36	434	<20	0.48
H481785		0.34	<10	1.93	1105	1	2.30	3	600	4	<0.01	<5	26	649	<20	0.49
H481786		1.15	10	1.16	570	1	1.83	5	560	15	0.22	<5	24	430	<20	0.18
H481787		0.49	<10	2.54	659	1	1.18	2	490	2	0.06	<5	17	534	<20	0.30
H481788		0.61	<10	1.93	743	1	2.34	4	510	7	0.05	<5	25	448	<20	0.32
H481789		0.46	<10	1.54	798	1	2.20	3	520	5	0.02	<5	25	577	<20	0.31
H481790		1.10	10	2.67	1250	2	1.52	9	1100	14	0.60	<5	24	178	<20	0.17
H481791		0.67	10	1.96	810	1	3.35	6	760	9	0.08	<5	12	453	<20	0.12
H481792		1.05	10	1.82	913	1	2.65	8	900	9	<0.01	<5	17	726	<20	0.39
H481793		3.47	10	1.20	1510	1	0.95	9	940	9	0.06	<5	18	221	<20	0.39
H481794		1.36	10	1.50	898	1	2.39	9	880	9	<0.01	<5	18	716	<20	0.40
H481795		2.50	10	1.47	720	<1	2.88	12	950	6	0.01	<5	20	261	<20	0.40
H481796		1.18	10	1.83	961	1	2.46	9	930	7	<0.01	<5	17	742	<20	0.38



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Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-XRF05	ME-XRF05
		Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Y ppm 2	Zr ppm 2
H481757		<10	<10	102	<10	82	14	96
H481758		<10	<10	245	<10	191	20	237
H481759		<10	<10	243	<10	130	23	153
H481760		<10	<10	236	<10	103	18	88
H481761		<10	<10	154	<10	172	18	117
H481762		<10	<10	122	<10	98	19	127
H481763		<10	<10	113	<10	51	18	121
H481764		<10	<10	130	<10	64	20	112
H481765		<10	<10	163	<10	105	20	107
H481766		<10	<10	114	<10	51	15	104
H481767		<10	<10	137	<10	93	20	99
H481768		<10	<10	163	<10	60	16	119
H481769		<10	<10	175	<10	93	17	101
H481770		<10	<10	142	<10	64	20	97
H481771		<10	<10	149	<10	102	21	111
H481772		<10	<10	197	<10	75	25	131
H481773		<10	<10	111	<10	60	16	111
H481774		<10	<10	207	<10	66	13	58
H481775		<10	<10	190	<10	83	11	60
H481776		<10	<10	167	<10	209	3	62
H481777		<10	<10	225	<10	79	16	65
H481778		<10	<10	202	<10	68	14	63
H481779		<10	<10	193	<10	84	15	62
H481780		<10	<10	206	<10	79	20	70
H481781		<10	<10	226	<10	68	11	22
H481782		<10	<10	312	<10	95	19	39
H481783		<10	<10	314	<10	67	18	37
H481784		<10	<10	315	<10	87	20	47
H481785		<10	<10	252	<10	75	24	74
H481786		<10	<10	211	<10	115	15	83
H481787		<10	<10	187	<10	67	15	77
H481788		<10	<10	231	<10	92	15	62
H481789		<10	<10	208	<10	60	14	62
H481790		<10	<10	231	<10	164	16	97
H481791		<10	<10	122	<10	80	19	125
H481792		<10	<10	171	<10	85	23	124
H481793		<10	<10	178	<10	81	27	136
H481794		<10	<10	174	<10	72	25	127
H481795		<10	<10	196	<10	98	24	140
H481796		<10	<10	166	<10	81	24	123



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-XRF06 SiO2 %	ME-XRF06 Al2O3 %	ME-XRF06 Fe2O3 %	ME-XRF06 CaO %	ME-XRF06 MgO %	ME-XRF06 Na2O %	ME-XRF06 K2O %	ME-XRF06 Cr2O3 %	ME-XRF06 TiO2 %	ME-XRF06 MnO %	ME-XRF06 P2O5 %	ME-XRF06 SrO %	ME-XRF06 BaO %
		0.02	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.01
H481797		2.10	<0.005	58.02	19.19	5.87	4.09	3.04	5.00	1.30	<0.01	0.62	0.07	0.131	0.05	0.08
H481798		2.38	<0.005	59.65	18.38	6.19	2.70	3.42	4.98	1.13	<0.01	0.59	0.08	0.105	0.07	0.05
H481799		2.64	<0.005	56.06	18.48	7.67	7.37	3.39	3.05	0.67	<0.01	0.56	0.17	0.178	0.05	0.02
H481800		2.22	0.008	57.57	18.14	7.76	7.14	2.58	0.93	0.91	<0.01	0.61	0.21	0.127	0.06	0.05
H481801		1.26	0.051	54.25	18.25	7.44	0.23	7.17	4.87	0.81	<0.01	0.69	0.53	0.143	0.01	0.04
H481802		1.18	0.009	57.99	17.85	7.18	0.84	6.44	4.53	0.22	<0.01	0.64	0.09	0.116	0.01	<0.01
H481803		1.48	0.263	76.60	17.28	3.21	<0.01	0.16	0.06	0.04	<0.01	0.55	<0.01	0.050	0.04	0.55
H481804		1.50	0.064	67.96	23.33	4.54	0.03	0.18	0.51	0.29	<0.01	0.77	<0.01	0.032	0.01	0.10
H481805		1.26	0.050	63.76	16.05	8.43	0.55	2.34	1.29	1.89	<0.01	0.57	0.08	0.095	0.02	0.05
H481806		1.54	0.022	78.40	15.78	1.32	<0.01	0.07	0.01	0.04	<0.01	0.79	<0.01	0.051	0.06	0.58
H481807		1.54	0.017	73.19	17.49	5.32	0.07	0.12	0.08	0.08	<0.01	0.65	<0.01	0.214	0.19	0.05
H481808		0.98	<0.005	60.80	19.22	5.83	3.56	1.83	2.38	2.68	<0.01	0.53	0.08	0.194	0.03	0.14
H481809		2.44	<0.005	58.58	17.00	7.82	1.25	6.46	0.95	2.02	<0.01	0.61	0.17	0.107	0.01	0.06



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Sample Description	Method Analyte Units LOR	ME-XRF06	ME-XRF06	ME-ICP61												
		LOI %	Total %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.01	0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
H481797		2.17	99.62	<0.5	9.10	5	810	0.7	<2	2.71	<0.5	12	12	15	3.98	20
H481798		2.62	99.96	<0.5	9.23	10	630	0.8	<2	1.87	<0.5	14	21	6	4.43	20
H481799		2.34	99.99	<0.5	9.12	<5	280	0.5	<2	5.12	<0.5	14	6	21	5.27	20
H481800		3.83	99.91	<0.5	9.03	39	550	<0.5	<2	4.89	<0.5	8	16	29	5.39	20
H481801		5.21	99.64	<0.5	8.51	16	540	<0.5	5	0.17	<0.5	4	4	10	5.21	20
H481802		3.98	99.87	<0.5	8.36	6	70	<0.5	<2	0.52	<0.5	17	4	80	4.96	20
H481803		1.20	99.72	0.5	6.80	81	5470	<0.5	<2	0.02	<0.5	1	14	12	2.28	10
H481804		2.06	99.80	<0.5	4.31	78	1240	<0.5	<2	0.04	<0.5	<1	5	20	3.45	30
H481805		4.70	99.82	<0.5	8.36	53	640	0.5	2	0.41	<0.5	<1	4	100	6.13	20
H481806		2.32	99.39	<0.5	4.84	8	4280	<0.5	<2	0.01	<0.5	1	11	4	0.96	10
H481807		2.49	99.93	<0.5	2.62	<5	660	<0.5	<2	0.07	<0.5	<1	11	12	3.90	<10
H481808		2.59	99.85	<0.5	9.63	<5	1430	1.0	<2	2.51	<0.5	12	10	5	4.22	20
H481809		4.72	99.74	<0.5	8.34	6	610	<0.5	<2	0.90	<0.5	18	7	8	5.49	20



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		K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sc ppm 1	Sr ppm 1	Th ppm 20	Ti % 0.01
H481797		1.00	10	1.59	632	1	3.57	8	570	9	0.01	<5	14	417	<20	0.31
H481798		0.93	10	1.90	682	1	3.66	12	490	6	0.02	<5	16	612	<20	0.28
H481799		0.55	<10	1.85	1360	1	2.32	2	820	2	<0.01	<5	16	430	<20	0.33
H481800		0.75	<10	1.33	1650	1	0.69	2	570	73	0.80	7	24	522	<20	0.12
H481801		0.62	<10	4.07	3950	1	3.57	3	650	9	0.62	<5	22	115	<20	0.10
H481802		0.16	<10	3.62	779	1	3.27	6	530	7	0.01	<5	20	133	<20	0.18
H481803		0.03	<10	0.05	68	5	0.04	<1	210	17	0.15	15	1	301	<20	0.22
H481804		0.23	10	0.06	24	6	0.39	<1	140	10	0.12	14	14	136	<20	0.28
H481805		1.53	<10	1.28	730	2	0.96	1	440	10	0.12	<5	20	192	<20	0.10
H481806		0.03	<10	0.01	21	4	0.01	<1	190	11	0.28	8	1	502	<20	0.25
H481807		0.06	10	0.03	49	4	0.06	<1	840	34	0.29	<5	1	1460	<20	0.14
H481808		2.15	10	0.94	667	<1	1.73	9	890	11	0.01	<5	9	288	<20	0.31
H481809		1.57	<10	3.60	1365	1	0.68	2	490	8	<0.01	<5	20	86	<20	0.18



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Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-XRF05	ME-XRF05
		Tl	U	V	W	Zn	Y	Zr
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 2	ppm 2
H481797		<10	<10	145	<10	62	18	116
H481798		<10	<10	149	<10	72	18	106
H481799		<10	<10	161	<10	100	17	58
H481800		<10	<10	222	<10	250	14	69
H481801		<10	<10	234	<10	186	13	54
H481802		<10	<10	215	<10	178	11	53
H481803		<10	<10	116	<10	3	2	50
H481804		<10	<10	151	<10	2	<2	93
H481805		<10	<10	221	<10	115	7	56
H481806		<10	<10	85	10	<2	<2	141
H481807		<10	<10	61	10	2	3	102
H481808		<10	10	100	<10	79	14	109
H481809		<10	<10	240	<10	192	12	47

APPENDIX C

Assay Certificates-QA/QC



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 WESTERN CANADA EXPLORATION
 543 GRANVILLE STREET, 4TH FLOOR
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Page: 1
 Finalized Date: 15-JUL-2012
 Account: AGEMIN

QC CERTIFICATE VA12158940

Project: FIRE CREEK
 P.O. No.:
 This report is for 53 Rock samples submitted to our lab in Vancouver, BC, Canada on 7-JUL-2012.

The following have access to data associated with this certificate:
 HENRY CASTILLO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF06	Whole Rock Package - XRF	XRF
OA-GRA06	LOI for ME-XRF06	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-XRF05	Trace Level XRF Analysis	XRF
Au-AA23	Au 30g FA-AA finish	AAS

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 ATTN: HENRY CASTILLO
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: FIRE CREEK

QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm	ME-XRF06 SiO2 %	ME-XRF06 Al2O3 %	ME-XRF06 Fe2O3 %	ME-XRF06 CaO %	ME-XRF06 MgO %	ME-XRF06 Na2O %	ME-XRF06 K2O %	ME-XRF06 Cr2O3 %	ME-XRF06 TiO2 %	ME-XRF06 MnO %	ME-XRF06 P2O5 %	ME-XRF06 SrO %	ME-XRF06 BaO %	ME-XRF06 LOI %
		0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01
STANDARDS																
AMIS0286		0.663														
Target Range - Lower Bound		0.625														
Upper Bound		0.715														
GBM908-10																
Target Range - Lower Bound																
Upper Bound																
GBM908-5																
GBM908-5																
Target Range - Lower Bound																
Upper Bound																
MRGeo08																
Target Range - Lower Bound																
Upper Bound																
OGGeo08																
OGGeo08																
Target Range - Lower Bound																
Upper Bound																
OREAS 503		0.695														
Target Range - Lower Bound		0.641														
Upper Bound		0.733														
OxK95		3.57														
Target Range - Lower Bound		3.32														
Upper Bound		3.75														
OxN92		7.68														
Target Range - Lower Bound		7.18														
Upper Bound		8.11														
STSD-4																
STSD-4																
Target Range - Lower Bound		58.94	12.27	5.62	4.01	2.11	2.85	1.57	<0.01	0.78	0.19	0.214	0.04	0.22	11.35	
Upper Bound		58.81	12.22	5.63	3.98	2.12	2.83	1.56	<0.01	0.75	0.19	0.214	0.04	0.22	11.25	
Target Range - Lower Bound		55.95	11.49	5.41	3.79	2.01	2.58	1.51	<0.01	0.71	0.17	0.208	0.02	0.20	11.01	
Upper Bound		61.86	12.72	6.00	4.21	2.25	2.85	1.69	0.03	0.81	0.21	0.232	0.06	0.24	12.19	
SY-4																
SY-4																
Target Range - Lower Bound																
Upper Bound																
SY-4		50.11	21.24	6.06	8.02	0.51	6.87	1.64	0.01	0.28	0.09	0.126	0.15	0.03	4.76	



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Project: FIRE CREEK

QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-XRF05	ME-XRF05
		U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Y ppm 2	Zr ppm 2
STANDARDS							
AMIS0286							
Target Range - Lower Bound							
Upper Bound							
GBM908-10		<10	149	10	1110		
Target Range - Lower Bound		<10	125	<10	939		
Upper Bound		20	155	30	1155		
GBM908-5		<10	62	10	248		
GBM908-5		<10	58	<10	242		
Target Range - Lower Bound		<10	52	<10	207		
Upper Bound		30	66	30	257		
MRGeo08		<10	117	10	837		
Target Range - Lower Bound		<10	99	<10	712		
Upper Bound		30	123	30	874		
OGGeo08		<10	85	<10	6740		
OGGeo08		10	85	<10	7030		
Target Range - Lower Bound		<10	77	<10	6400		
Upper Bound		30	97	30	7830		
OREAS 503							
Target Range - Lower Bound							
Upper Bound							
OxK95							
Target Range - Lower Bound							
Upper Bound							
OxN92							
Target Range - Lower Bound							
Upper Bound							
STSD-4						27	194
STSD-4						22	187
Target Range - Lower Bound						19	169
Upper Bound						29	211
STSD-4							
STSD-4							
Target Range - Lower Bound							
Upper Bound							
SY-4						117	514
SY-4						123	525
Target Range - Lower Bound						105	463
Upper Bound						133	571
SY-4							



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QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-XRF06	ME-ICP61													
		Total %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %
		0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
STANDARDS																
SY-4		99.56														
Target Range - Lower Bound		94.99														
Upper Bound		101.00														
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.5	<0.01	<5	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK		<0.5	<0.01	<5	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK		<0.5	<0.01	<5	<10	<10	<0.5	<2	<0.01	<0.5	1	1	<1	<0.01	<10	<0.01
Target Range - Lower Bound		<0.5	<0.01	<5	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
Upper Bound		1.0	0.02	10	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20	0.02
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.01														
BLANK		<0.01														
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL		<0.5	7.51	9	690	690	1.0	<2	1.80	<0.5	8	34	18	3.70	10	1.66
DUP		<0.5	7.55	8	690	690	1.0	<2	1.79	<0.5	9	34	18	3.71	10	1.68
Target Range - Lower Bound		<0.5	7.14	<5	650	650	<0.5	<2	1.70	<0.5	7	31	16	3.51	<10	1.58
Upper Bound		1.0	7.92	10	730	730	1.6	4	1.89	1.0	10	37	20	3.90	20	1.76



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QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-ICP61 La ppm	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sc ppm	ME-ICP61 Sr ppm	ME-ICP61 Th ppm	ME-ICP61 Tl %	ME-ICP61 Tl ppm
STANDARDS																
SY-4																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01	<10
BLANK		<10	<0.01	<5	1	0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01	<10
BLANK		<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01	<10
Target Range - Lower Bound		<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01	<10
Upper Bound		20	0.02	10	2	0.02	2	20	4	0.02	10	2	2	40	0.02	20
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL		20	0.56	525	<1	2.35	11	950	11	0.01	<5	11	315	<20	0.61	<10
DUP		10	0.56	527	<1	2.38	11	930	12	0.01	5	11	316	<20	0.61	<10
Target Range - Lower Bound		<10	0.52	495	<1	2.24	9	880	9	<0.01	<5	9	299	<20	0.57	<10
Upper Bound		20	0.60	557	2	2.49	13	1000	14	0.02	10	13	332	40	0.65	20



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QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	ME-XRF05 Y ppm 2	ME-XRF05 Zr ppm 2
STANDARDS							
SY-4							
Target Range - Lower Bound							
Upper Bound							
BLANKS							
BLANK							
BLANK							
Target Range - Lower Bound							
Upper Bound							
BLANK		<10	<1	<10	<2		
BLANK		<10	<1	<10	<2		
BLANK		<10	<1	<10	<2		
Target Range - Lower Bound		<10	<1	<10	<2		
Upper Bound		20	2	20	4		
BLANK					<2	<2	
BLANK					<2	<2	
Target Range - Lower Bound					<2	<2	
Upper Bound					4	4	
BLANK							
BLANK							
Target Range - Lower Bound							
Upper Bound							
DUPLICATES							
ORIGINAL		10	98	<10	68		
DUP		10	99	<10	68		
Target Range - Lower Bound		<10	93	<10	63		
Upper Bound		20	104	20	73		



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QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-XRF06 SiO2 % 0.01	ME-XRF06 Al2O3 % 0.01	ME-XRF06 Fe2O3 % 0.01	ME-XRF06 CaO % 0.01	ME-XRF06 MgO % 0.01	ME-XRF06 Na2O % 0.01	ME-XRF06 K2O % 0.01	ME-XRF06 Cr2O3 % 0.01	ME-XRF06 TiO2 % 0.01	ME-XRF06 MnO % 0.01	ME-XRF06 P2O5 % 0.001	ME-XRF06 SrO % 0.01	ME-XRF06 BaO % 0.01	ME-XRF06 LOI % 0.01
DUPLICATES																
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
H481757		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
H481766			63.40	17.71	5.28	4.05	1.24	2.22	1.79	<0.01	0.53	0.08	0.177	0.06	0.10	3.23
DUP			63.24	17.70	5.27	4.04	1.24	2.20	1.80	<0.01	0.53	0.08	0.175	0.06	0.10	3.14
Target Range - Lower Bound			61.73	17.25	5.13	3.93	1.20	2.14	1.74	<0.01	0.51	0.07	0.171	0.05	0.09	3.10
Upper Bound			64.91	18.16	5.42	4.16	1.28	2.28	1.85	0.02	0.55	0.09	0.181	0.07	0.11	3.27
H481781																
DUP																
Target Range - Lower Bound																
Upper Bound																
H481795		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
H481802			57.99	17.85	7.18	0.84	6.44	4.53	0.22	<0.01	0.64	0.09	0.116	0.01	<0.01	3.98
DUP			58.07	17.88	7.19	0.84	6.44	4.52	0.22	<0.01	0.63	0.09	0.118	0.02	<0.01	3.94
Target Range - Lower Bound			56.57	17.41	7.00	0.81	6.27	4.40	0.20	<0.01	0.61	0.08	0.113	<0.01	<0.01	3.85
Upper Bound			59.49	18.32	7.37	0.87	6.61	4.65	0.24	0.02	0.66	0.10	0.121	0.02	0.02	4.07



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QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-XRF05	ME-XRF05
		U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Y ppm 2	Zr ppm 2
ORIGINAL DUP Target Range - Lower Bound Upper Bound		DUPLICATES					
ORIGINAL DUP Target Range - Lower Bound Upper Bound							
ORIGINAL DUP Target Range - Lower Bound Upper Bound		<10	128	<10	56		
		<10	124	<10	55		
		<10	118	<10	51		
		20	132	20	60		
H481757 DUP Target Range - Lower Bound Upper Bound							
H481766 DUP Target Range - Lower Bound Upper Bound						15 14 12 17	104 102 98 110
H481781 DUP Target Range - Lower Bound Upper Bound		<10	226	<10	68		
		<10	232	<10	71		
		<10	217	<10	84		
		20	241	20	75		
H481795 DUP Target Range - Lower Bound Upper Bound							
H481802 DUP Target Range - Lower Bound Upper Bound						11 12 9 14	53 52 48 57



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Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm	ME-XRF06 SiO2 %	ME-XRF06 Al2O3 %	ME-XRF06 Fe2O3 %	ME-XRF06 CaO %	ME-XRF06 MgO %	ME-XRF06 Na2O %	ME-XRF06 K2O %	ME-XRF06 Cr2O3 %	ME-XRF06 TiO2 %	ME-XRF06 MnO %	ME-XRF06 P2O5 %	ME-XRF06 SrO %	ME-XRF06 BaO %	ME-XRF06 LOI %
		0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01
DUPLICATES																
ORIGINAL		0.029														
DUP		0.028														
Target Range - Lower Bound		0.022														
Upper Bound		0.035														
PREP DUPLICATES																
H481807		0.017	73.19	17.49	5.32	0.07	0.12	0.08	0.08	<0.01	0.65	<0.01	0.214	0.19	0.05	2.49
H481807 PREP DUP		0.016	73.02	17.64	5.31	0.07	0.12	0.08	0.09	<0.01	0.64	<0.01	0.212	0.19	0.05	2.49



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QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-XRF06 Total %	ME-ICP61 Ag ppm	ME-ICP61 Al %	ME-ICP61 As ppm	ME-ICP61 Ba ppm	ME-ICP61 Be ppm	ME-ICP61 Bi ppm	ME-ICP61 Ca %	ME-ICP61 Cd ppm	ME-ICP61 Co ppm	ME-ICP61 Cr ppm	ME-ICP61 Cu ppm	ME-ICP61 Fe %	ME-ICP61 Ga ppm	ME-ICP61 K %
		0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
ORIGINAL DUP		DUPLICATES														
Target Range - Lower Bound																
Upper Bound																
		PREP DUPLICATES														
H481807		99.93	<0.5	2.62	<5	660	<0.5	<2	0.07	<0.5	<1	11	12	3.90	<10	0.06
H481807 PREP DUP		99.89	<0.5	2.54	<5	640	<0.5	<2	0.07	<0.5	1	11	12	3.99	<10	0.06



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QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-ICP61 La ppm	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sc ppm	ME-ICP61 Sr ppm	ME-ICP61 Th ppm	ME-ICP61 Ti %	ME-ICP61 Tl ppm
		10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
ORIGINAL DUP		DUPLICATES														
Target Range - Lower Bound																
Upper Bound																
		PREP DUPLICATES														
H481807		10	0.03	49	4	0.06	<1	840	34	0.29	<5	1	1480	<20	0.14	<10
H481807 PREP DUP		10	0.03	44	2	0.07	<1	860	36	0.31	<5	1	1435	<20	0.13	<10



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 Finalized Date: 15-JUL-2012
 Account: AGEMIN

Project: FIRE CREEK

QC CERTIFICATE OF ANALYSIS VA12158940

Sample Description	Method Analyte Units LOR	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	ME-XRF05 Y ppm 2	ME-XRF05 Zr ppm 2
ORIGINAL DUP Target Range - Lower Bound Upper Bound		DUPLICATES					
H481807 H481807 PREP DUP		<10	61	10	2	3	102
		<10	55	10	3	4	99
		PREP DUPLICATES					