BC Geological Survey Assessment Report 36150

# **KEN ELLERBECK**

(Owner & Operator)

## **TECHNICAL EXPLORATION REPORT**

(Event 5610597) on

### PROSPECTING and EXPLORING

Work done on

Tenures 1041401

of the 3 Claim

### **MICK CLAIM GROUP**

Kamloops Mining Division BCGS Maps 821.081

Centre of Work UTM 11 300560, 5632200

AUTHOR

KEN ELLERBECK, PMP

REPORT SUBMITTED July 23, 2016

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#### *INTRODUCTION*

#### **PURPOSE**

In June 2016 a prospecting program was completed on Tenures 1041401 of the 3 Claim MICK CLAIM GROUP. The purpose of the prospecting program was to locate, if possible, and examine some historic reported geological features (at the southern quartz vein Past Producer area, a quartz vein striking N with a steep dip occurs within altered greenstone country rock) as well as to prospect for unidentified outcrops and showings of significance. Information for this report was obtained from sources cited under Selected References and from a property examination made on June 25, 2016.

#### ACCESS AND LOCATION

Road access to the Property is from Kamloops, BC north on Highway 5 North for 30 km. to Heffley Creek, BC, then 32 km easterly to Sun Peaks, then a further 8 km on logging roads past McGillivray Lake then southerly to the property.

A series of active and overgrown logging roads provide access for prospecting activities. However deadfall due to Pine Beetle infestation made vehicle access difficult in some locations. The Property is located within the dry belt of British Columbia with rainfall between 25 and 30 cm per year. Temperatures during the summer months could reach a high of 35°C and average 25°C with the winter temperatures reaching a low of -10°C and averaging 8°C.

On the MICK Claim Group moderate snow cover on the ground could be from November to April and would not hamper a year-round exploration program. Elevations range from 1135m to 1200 m.

Kamloops, BC is a historic and modern mining center and is a source of experienced and reliable exploration and mining personnel and a supply for most mining related equipment. Kamloops is serviced daily by commercial airline and is a hub for road and rail transportation. Vancouver, a port city on the southwest corner of, and the largest city in the Province of British Columbia, is four hours distant by road and less than one hour by air from Kamloops.

#### PROPERTY DESCRIPTION

#### Mineral Titles Online Report – MICK Claim Group

Tenure Number	<u>Type</u>	Claim Name	Good Until	<u>Area</u> (ha)
<u>1025225</u>	Mineral	MICK	20190919	81.6773
1025229	Mineral	MICK SW	20190919	20.422
1041401	Mineral	MICK S1	20190919	20.4221

Total Area: 122.5214 ha

Figure 1 LOCATION MAP from MTO Mapbuilder





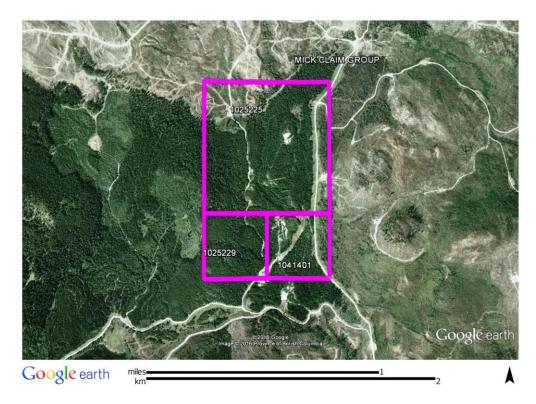
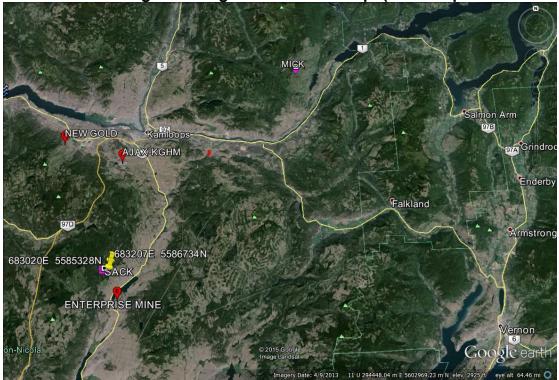
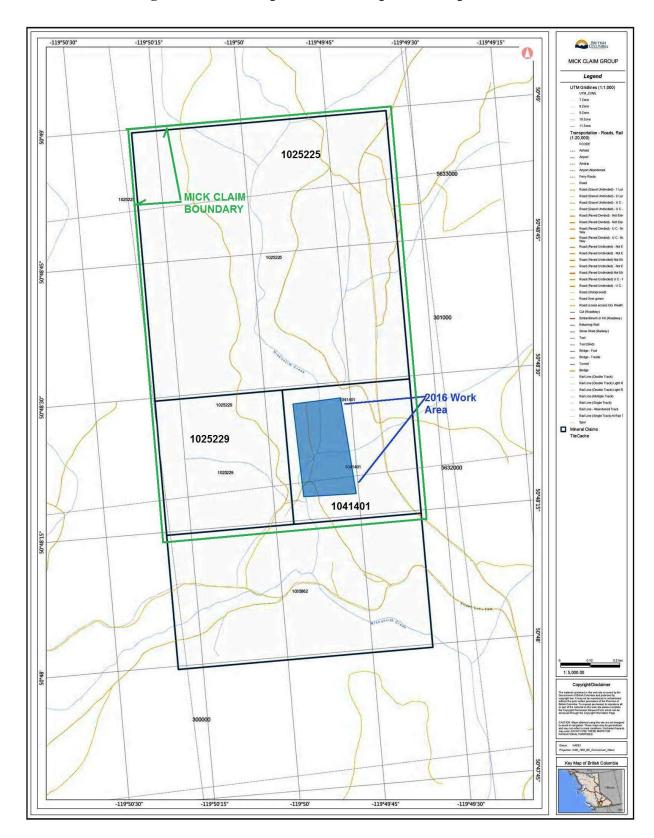


Figure 3 Regional Location Map (Base Map GOOGLE EARTH)



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Figure 4 Claim Map and Index Map ARIS MapBuilder



#### **HISTORY**

Exploration by others on land in and near the current MICK Claim Group has been reported. Current tenures include most of the showings and workings reported.

From MINFILE Number: 082LNW031:

The MICK (FS) occurrence is located on Niskonlith Creek about 10 kilometres west of Chase. The occurrence consists of two exposures of thick, milky white quartz veins separated by about 400 metres in a north-south direction. Drilling has established continuity between the two outcrops.

Rocks underlying the area are comprised mainly of schist and amphibolite of the Hadrynian and/or Paleozoic Silver Creek Formation (Mount Ida Group). The quartz veining appears to be hosted in a fault zone near the contact between the Silver Creek Formation rocks and Cretaceous granite.

At the southern outcrop, the quartz vein strikes northerly, dips steeply and is 3.5 to 15 metres wide. Surrounding rocks are mainly felsic schists and amphibolites. The quartz is milky white and coarse grained with occasional well-formed crystals reaching 10 to 20 centimetres in length. Minor impurities that are present throughout the width of the vein include seams of fuchsite and reddish, rust-stained patches. A zone of impure vein quartz, up to 7.5 metres wide, is transitional to extensive quartz stockwork in altered country rock on either side of the main vein. The pit walls contain variable amounts of quartz stockwork veining. The impure margins of the main vein and the quartz stockwork veining are mineralized with pyrite, chalcopyrite, pyrrhotite, sphalerite, galena, scheelite and possibly tungstenite. The vein is visually estimated to be composed of greater than 98 per cent quartz.

Several shipments were made from a quarry on the southern outcrop (now part of the MICK claims) to silicon and silicon carbide plants in Oregon. In 1982, the north-south elongated quarry measured 110 by 35 metres but no production figures are available.

At the northern outcrop (granite dome outcrop), (within MICK Claim Group) a quartz vein striking 040 degrees with a steep dip occurs within leucocratic granitic rocks. The vein is 20 metres wide. The quartz is coarse grained, massive and milky white. Minor yellow and orange rust staining occurs on fractures and rare grains of sulphides are present in the quartz. Quartz stockwork veining occurs throughout the granite. A random chip sample in 1969 assayed 99.74 per cent SiO2, 0.064 per cent total Fe, trace Al2O3 and nil CaO (Open File 1987-15, page 29):

In late 1980, Interior Stone & Marble requested Kerr, Dawson & Associates to initiate a drilling program to establish open pitable silica reserves on the Chase Silica Property. A 14 hole diamond drill program was completed on March 23,1981 using a Longyear "38" drill. A total of 1,242.8 meters (4,076 feet) of drilling was completed using "NQ" equipment with a core diameter of 4.76 centimeters (1,875 inches). The drilling program over a length of 800 meters established a major quartz vein that varied in width from 1 to 20 meters, encountering significant mineralization of lead, zinc and silver in the hanging wall.

#### **SUMMARY OF WORK DONE 2016**

Prospecting was conducted on Tenure 1041401. One (1) field day was spent on the MICK Claim Group project, including prospecting and travelling to and from the property. Also, one (1) day was spent researching reference material, and a further two (2) days were spent compiling data, drafting and writing this report.

-119°49'52" -119°49'30" BRITISH -119°50'7" -119°50' -119°49'45" -119°49'37" E0048:35" 301000 MICK CLAIM GROUP Legend Sample No. Sample Type Cu ppm Pb ppm Zn ppm Au ppm Ag ppm Mo ppm UTM Gridlines (1:1,000) M-4 118 3.10% 708 <0.005 758 Grab UTM\_ZONE 50°48'35' M-4-1 1.385% <0.005 298 7 Zone Grab 24 M-5 8 Zone 89 20.2 Grab 1220 14 < 0.005 9 Zone 50°48'30' 10 Zone 1025225 11 Zone Transportation - Roads, Rail 50°48'30" (1:20.000)FCODE Airfield M-3 Airport 50°48'25' Airstrip Airport Abar 50°48'25" M-2 M-5 1: 5,000 M-4-1 1041401 50°48'20" Copyright/Disclaimer 1025229 5632000 50°48'20" 50°48'15' NAD83 n: NAD\_1983\_BC\_Environment\_Albers 50°48'15" Key Map of British Columbia 50°48'10' 1035862

Figure 5 Sample Locations Area

#### 2016 WORK PROGRAM

-119°50'7"

-119°50'

-119°49'52"

**Sampling Program -** The author was on the MICK Claim Group in June 2016 to select rock samples for verification of the reported mineralization and geology on the Property. Six (6) samples were taken from 6 different locations onsite. Three (3) rock grab samples were submitted for assay.

-119°49'45"

-119°49'37"

-119°49'30"

Table I. Particulars of Grab Samples taken by ELLERBECK (2016) **MICK CLAIM** 

1			
LOCATION	UTM LO	OCATION	DESCRIPTION
/ SAMPLE #			All OUTCROP unless indicated
M-1	0300576 5632189		Altered andesite.Crumbly,yellowish,quartz veining,iron
M-2	0300581	5632189	Float,quartz,milky,pyrite,contact andesite-brown-green
M-3	0300581	5632192	Qtz-greenish,bluish,(fuchsite) sulphides,iron stain,
M-4 Lab	0300563	5632200	Qtz vein-white, sulphides, pyrite, galena, chalco-across 5ft
M-4-1 Lab	0300563	5632200	Qtz vein-white,pyrite,galena,sulphides,iron,pyrhotite,5ft
M-5 Lab	0300574	5632172	Qtz vein-white,iron stain,sulphides-rotten gray -5 ft

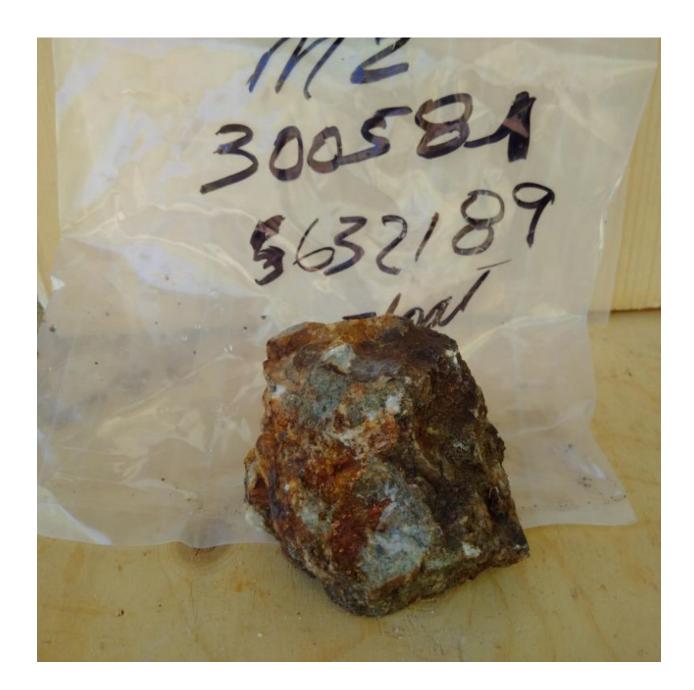
### FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE Sample M-1



### FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE Sample M-1



#### FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE M-2



### FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE Sample M-3



### FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE Sample M-3



KEN ELLERBECK

FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE M-4



### FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE SAMPLE M-4



### FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE SAMPLE M-5



FIGURE 6 LOCATION AND TYPICAL ROCK PICTURE SAMPLE M-5



#### SUMMARY OF REGIONAL AND PROPERTY GEOLOGY

#### **REGIONAL GEOLOGY**

Quoting Skopos, "The Shuswap Lake Map area lies in the southeastern portion of the province and contains 88 documented occurrences. The area is almost entirely within the Omineca Tectonic Belt and is

dominated by Kootenay Terrane rocks comprising the Hadrynian to the Mississippian Eagle Bay assemblage, Hadrynian to the Ordovician Mount Ida Group and the Proterozoic and/or Paleozoic Shuswap assemblage. Quesnel Terrane rocks comprise the upper Triassic and lower Jurrasic Nicola Group and Devonian to Triassic Harper Ranch Group. Intrusive rocks range from Cretaceous to early Eocene. Cover consists of the Eocene Kamloops Group sedimentary and volcanic rocks which unconformably overlie the older rocks.

Geological mapping by the Geological Survey of Canada describes the claim area to be underlain by early Paleozoic metasediments and Permian metavolcanics, all of which are intruded by Cretaceous granodiorite."

#### LOCAL GEOLOGY

Quoting Kerr, Dawson & Associates, "The head of Niskonlith Creek outlines the trace of a well defined north-south trending fault zone. This fault zone hosts a major quartz vein that is found over a length of 800 meters and varies in width from less than 1 meter to over 20 meters. Significant amounts of lead, zinc, and silver mineralization have been encountered in parts of the hanging wall vein."

Geological examination completed by the author revealed an andesite (pale to dark green when unaltered) which is altered to a light colour, silicified and hosts quartz veins.

Quoting Skopos: "Geological mapping of the Mick 1, Mick 3 and Mick 4 Claims completed by the author has outlined mainly a metamorphosed andesite host rock. The metavolcanic is pale to dark green in color except where the andesite has been altered, silicified and quartz veins occur. The colors here vary from gray to brown. The altered and silicified sections contain sericite, chlorite, biotite, talc and carbonates with pyrite and magnetic mineralization. Also noted are quartz veinlets and stringers. The colors in the altered and silicified portions vary from grays to browns. The andesite has been faulted and sheared hosting a quartz vein which strikes northwest-southeast with an azimuth 325' to 335' and a dip from 60" to 70' to the northeast. The quartz vein has been traced 2,000' along strike on the Mick 1, Mick 3 and Mick 4 Claims and varies in width from 3' to 75'. Found on the northeast side/hanging wall of the main exposed surface quartz are sulphide showings of galena, sphalerite, chalcopyrite, pyrite, tetrahedrite, hematite, magnetite, limonite and pyrhotite. The sulphide mineralization occurring as blebs, patches and veinlets is disseminated along the shear zone and fracture system. The concentrated mineralization is in a 10' to 30' width zone and is exposed along strike for 300 feet in the quartz quarry."

And

"Values in silver, lead, zinc and possibly copper occurring over widths in the hanging wall of the Mick 1, Mick 3 and Mick 4Claims have been confirmed by the 1981 drilling program and most

recently by the writer. Three channel samples averaged 11.03 oz silver per ton, 1.07% lead, 0.08% zinc and minor copper per ton over a 11.7′ width. The concentrated mineralization was noted from 10′ to 30′ in width exposed for 300′ and traced for over 2,000′ across the Mick 1, Mick 3 and Mick 4 Claims. The mineralized zone is structurally controlled and occurs on the hanging wall of a major quartz vein. Based on width and strike potential of the mineralization, the depth potential appears favorable. A diamond drilling program is recommended to test the down dip continuity and potential of the silver, lead, zinc and copper mineralization.

Metamorphic Volcanic

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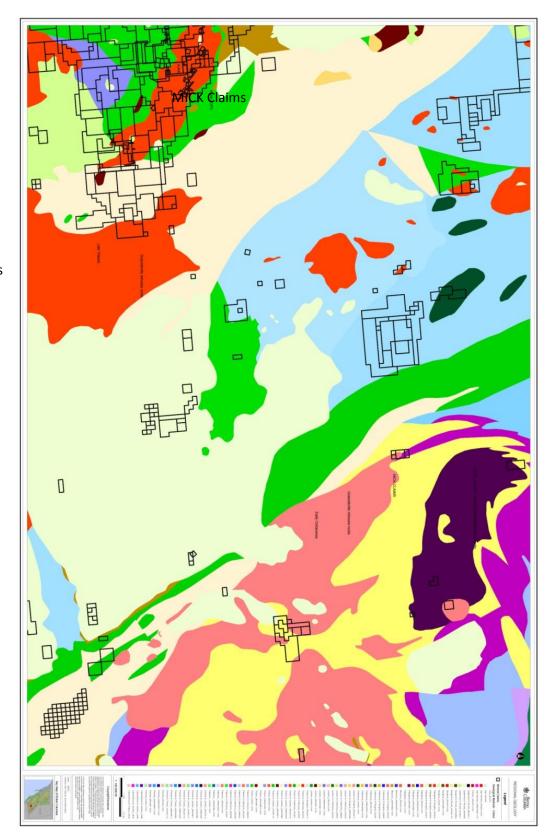
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Care

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Figure 7 MICK CLAIM GROUP Local and Regional Geology



Kamloops

Qal Barrière EKm TJsy Dog DPHa Dog Mount Ida Assemblage: Calcareous black phyllite, graphitic phyllite, dark grey limestone, argillaceous and phyllitic limestone; greenstone, chlorite phyllite; schistose epidote- actinolite- quartz and garnet- epidote skarn, quartzite, micaceous quartzite and calcareous quartzite, lesser amounts of chloritic schist and sericite- quarz shist; minor amphibolite, marble, UTJNO Cretaceous: diorite (dr), granodiorite (gd), granite (gr), quartz diorite (qd), quartz monzonite (qm), syenite (sy), pegmatite (pe), orthogneiss (og), migmatite (mi) and undifferentiated intrusive rocks (g). Mick mJA h **EKm** Kgd Qa Kamloops New Gold **EKm** 

### **SUMMARY OF REGIONAL AND PROPERTY GEOLOGY (.....continued)**

Prospecting on the three (3) claim MICK Claim Group confirmed the presence of intrusive quartz within metamorphosed andesitic volcanic rocks in the Work Area.

Elevated levels of Ag, Pb, Zn, Cu and Ni were found in 3 rock samples assayed.

Table I. Particulars of Grab Samples taken by ELLERBECK (2016) MICK Claim Group

LOCATION	UTM LO	OCATION	DESCRIPTION
/ SAMPLE #			All OUTCROP unless indicated
M-1	0300576	5632189	Altered andesite.Crumbly,yellowish,quartz veining,iron
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M-4-1 Lab	0300563	5632200	Qtz vein-white,pyrite,galena,sulphides,iron,pyrhotite,5ft
M-5 Lab	0300574	5632172	Qtz vein-white,iron stain,sulphides-rotten gray -5 ft

#### TECHNICAL DATA AND INTERPRETATION

Table II. Summarized Assay Results- Grab Samples-Ellerbeck (2016) – MICK Claim Group

Sample No.	Sample Type	Cu ppm	Pb ppm	Zn ppm	Au ppm	Ag ppm	Mo ppm
M-4	Grab	118	3.10%	708	< 0.005	758	1
M-4-1	Grab	24	1.385%	28	< 0.005	298	2
M-5	Grab	89	1220	14	< 0.005	20.2	1

#### **PURPOSE**

In June 2016 a prospecting program was completed on Tenures 1041401 of the 3 Claim MICK CLAIM GROUP.

The purpose of the prospecting program was to locate, if possible, and examine some historic reported geological features. Quoting Skopos: "Geological mapping of the Mick 1, Mick 3 and Mick 4 Claims completed by the author has outlined mainly a metamorphosed andesite host rock. The metavolcanic is pale to dark green in color except where the andesite has been altered, silicified and quartz veins occur. The colors here vary from gray to brown. The altered and silicified sections contain sericite, chlorite, biotite, talc and carbonates with pyrite and magnetic mineralization. Also noted are quartz veinlets and stringers. The colors in the altered and silicified portions vary from grays to browns. The andesite has been faulted and sheared hosting a quartz vein which strikes northwest-southeast with an azimuth 325' to 335' and a dip from 60" to 70' to the northeast. The quartz vein has been traced 2,000' along strike on the Mick 1, Mick 3 and Mick 4 Claims and varies in width from 3' to 75'. Found on the northeast side/hanging wall of the main exposed surface quartz are sulphide showings of galena, sphalerite, chalcopyrite, pyrite, tetrahedrite, hematite, magnetite, limonite and pyrhotite. The sulphide mineralization occurring as blebs, patches and veinlets is disseminated along the shear zone and fracture system. The concentrated mineralization is in a 10' to 30' width zone and is exposed along strike for 300 feet in the quartz quarry."

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"Values in silver, lead, zinc and possibly copper occurring over widths in the hanging wall of the Mick 1, Mick 3 and Mick 4Claims have been confirmed by the 1981 drilling program and most recently by the writer. Three channel samples averaged 11.03 oz silver per ton, 1.07% lead, 0.08% zinc and minor copper per ton over a 11.7' width. The concentrated mineralization was noted from 10' to 30' in width exposed for 300' and traced for over 2,000' across the Mick 1, Mick 3 and Mick 4 Claims. The mineralized zone is structurally controlled and occurs on the hanging wall of a major quartz vein. Based on width and strike potential of the mineralization, the depth potential appears favorable. "In addition, purpose was to prospect for unidentified outcrops and showings of significance. Information for this report was obtained from sources cited under Selected References and from a property examination made on June 15, 2016.

### **ASSAY RESULTS of Rock Samples:**

- M-4: Quartz with galena, sulphides, quarry floor. Elevated Cu, Pb, Zn, Ag, Ni(64).
- M-4-1: Quartz with galena, sulphides, quarry floor. Elevated Cu, Ag, Pb, Zn, Ni(20)
- M-5: Quartz with sulphides, quarry wall. Elevated Cu, Ag, Pb, Zn, Ni(349)

#### **PROSPECTING RESULTS - Outcrops**

- M-1: confirmed local/property and regional geological mapping;
- M-2: confirmed local/property and regional geological mapping;
- M-3: confirmed local/property and regional geological mapping;
- M-4: confirmed local/property and regional geological mapping;
- M-4-1: confirmed local/property and regional geological mapping;
- M-5: confirmed local/property and regional geological mapping;

#### INTERPRETATIONS AND CONCLUSIONS

The reported presence of mineralization in historic ARIS assessment report references was confirmed. The old quarry area holds mineral content potential – M-4 has Ag 758 ppm, M-4-1 has Ag 298 ppm, and M-5 has Ag 20.2 ppm.

Historic drilling (Greunwald, 1981) has indicated this quartz vein is open to depth and length. Historic assaying indicates the silica quality/purity may be of economic value.

#### SUMMARY AND RECOMMENDATIONS

The MICK Claim Group is geologically conducive to hosting mineral bearing rock and contains the geological features of the Past Producer FS occurrence within the MICK Claim Group. Therefore it is recommended by the Author that a comprehensive prospecting plan be created and executed in the field as soon as practical in order to confirm and map the extent of quartz – altered andesite and associated mineralization within the MICK Claim Group.

### ITEMIZED COST STATEMENT for MICK CLAIM GROUP 2016

Exploration Work type	MICK CLAIM GROUP	Days			Totals
PROSPECTING & EXPLORATIO	N				
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Ken Ellerbeck / Owner	June 25, 2016	1	\$500.00	\$500.00	
Q. Ellerbeck / Helper	June 25, 2016	1	\$250.00	\$250.00	
			\$500.00	\$0.00	
			\$250.00	\$0.00	
		"		\$750.00	\$750.00
Office Studies	List Personnel (note - Office o	nly, do no	t include f	field days	***
Literature search	Ken Ellerbeck	1.0	\$500.00	\$500.00	
Database compilation	Ken Ellerbeck	0.5	\$500.00	\$250.00	
General research	Ken Ellerbeck	0.5	\$500.00	\$250.00	
Report preparation	Ken Ellerbeck	1.0			
Other (specify)				\$0.00	
				\$1,500.00	\$1,500.00
Ground Exploration Surveys	Area in Hectares/List Personnel				
Prospect	see Personnel Field Days				
Underground					
Trenches				\$0.00	\$0.00
1101101100		-1		40.00	<b>\$0.00</b>
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Soil	ALS MINERALS Vancouver	0.0	15 VENEZUE EN CO.		
Rock	ALS MINERALS Vancouver	3.0	-		
	, ilea i ila ilea i al ilea a ilea		400.00	\$174.00	\$174.00
Transportation		No.	Rate	Subtotal	Ψ174.00
KM Kamloops-Property-return	1 Trip return	185.00	\$0.95		
KM SAMPLES TO LAB	June 30, 2015	50.00	\$0.95		
14 1 5 1 1 1 225 1 5 2 15	54.10 50/ 2015	50.00	φοισο	\$0.00	
		<b>+</b>		\$223.25	\$223.25
Accommodation & Food	Rates per day			Ψ223.23	Ψ220.20
Hotel	Rutes per day		\$0.00	\$0.00	
Camp	1		\$0.00		
Meals	2 man-days @\$35/day	2.00	\$35.00		
ricus	2 man days @\$55/day	2.00	ψ33.00	\$70.00	\$70.00
Miscellaneous	T	1		\$70.00	Ψ70.00
Telephone	1	-	\$0.00	\$0.00	
Other (Specify)	+	1	\$0.00	\$0.00	
Other (Specify)				\$0.00	\$0.00
Equipment Rentals	1			\$0.00	φυ.υυ
Field Gear (Specify)		+	\$0.00	\$0.00	
Other (Specify)	+	+	\$0.00	φυ.υυ	
Other (Specify)	1			\$0.00	\$0.00
Freight, rock samples	<b>*</b>	1		\$0.00	φυ.υυ
rieight, rock samples			\$0.00	\$0.00	
	+	+	\$0.00		
		1	\$0.00	\$0.00	<b>#</b> 0.00
	T	7		\$0.00	\$0.00
	I.	_			
TOTAL Expenditures	<b>i</b>				\$2,717.25

#### STATEMENT OF AUTHOR'S QUALIFICATIONS

#### STATEMENT OF AUTHOR'S QUALIFICATIONS

#### KENNETH C. ELLERBECK, PMP

I hold a BSc in Mechanical Engineering, University of Alberta, Edmonton, 1973.

I have completed University level introductory geology courses.

I hold a Certificate in Project Management from University of British Columbia, Sauder School of Business, 2010.

I hold a Project Management Professional designation – PMP – 1391810 – 2011.

I have been actively involved in all aspects of mineral exploration since 1980 in the Province of British Columbia.

I have managed staking and exploration programs since 1980 on my own mineral tenures as well as for tenures held by both private and publicly-held junior exploration companies.

My mineral exploration experience includes staking, prospecting, trenching, trench mapping, line cutting and grid construction, geochemical surveys, geophysical surveys, diamond drilling supervision and general exploration program supervision.

**SIGNED** 

KENNETH C. ELLERBECK

#### LIST OF SELECTED REFERENCES

BC Geological Survey, Ministry of Energy, Mines & Petroleum Resources – MINFILE: 082LNW031 British Columbia Geological Survey, August 1995. Minifile, NTS 082LNW - Shuswap Lake, British Columbia.

Open File 1987-15Vein.

British Columbia Survey Branch, The Map Place.

Skopos, M, 1997:

Geological Evaluation of MICK Claims for Chandeleur Bay, AR 25115, August 15, 1997

Greunwald, W, 1981:

Kerr Dawson & Associates, Limited, June 26, 1981. "Diamond Drilling Report of the Silica #I to #8 Claims" For Interior Stone & Marble, Limited. AR 09529

#### LIST OF SOFTWARE PROGRAMS USED

ADOBE PHOTOSHOP 7.0
PAINT for WINDOWS
ARIS MAPBUILDER – Map Data downloads
Imap BC – Map Data downloads
MtOnline - MINFILE downloads.

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July 23, 2016

**KEN ELLERBECK** 

**ANALYSIS** 

OF.

PREPARATION AND METHOD

SAMPLE

**APPENDIX** 



ALS Canada Ltd.

2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218 www.alsglobal.com

To: KEN ELLERBECK 255 WEST BATTLE STREET KAMLOOPS BC V2C 1G8

Page: 1 Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 10-JUL-2016 This copy reported on 11-JUL-2016 Account: ELLERK

#### CERTIFICATE KL16104812

This report is for 3 Rock samples submitted to our lab in Kamloops, BC, Canada on

The following have access to data associated with this certificate: KEN ELLERBECK

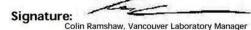
SAMPLE PREPARATION							
ALS CODE	DESCRIPTION						
WEI-21	Received Sample Weight						
LOG-22	Sample login - Rcd w/o BarCode						
CRU-QC	Crushing QC Test						
PUL-QC	Pulverizing QC Test						
CRU-31	Fine crushing - 70% <2mm						
SPL-21	Split sample - riffle splitter						
PUL-31	Pulverize split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

<b>ANALYTICAL PROCEDURES</b>							
ALS CODE	DESCRIPTION	INSTRUMENT					
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES					
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE					
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES					
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE					
Au-AA23	Au 30g FA-AA finish	AAS					

KEN ELLERBECK ATTN: KEN ELLERBECK 255 WEST BATTLE STREET KAMLOOPS BC V2C 1G8

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.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



July 23, 2016

KEN ELLERBECK



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221
www.alsglobal.com

Fax: +1 (604) 984 0218

To: KEN ELLERBECK 255 WEST BATTLE STREET KAMLOOPS BC V2C 1G8 Page: Appendix 1 Total # Appendix Pages: 1 Finalized Date: 10-JUL-2016 Account: ELLERK

#### CERTIFICATE OF ANALYSIS KL16104812

		CERTIFICATE COM	MMENTS	
		LABOR	ATORY ADDRESSES	
	Processed at ALS Kamloo	ps located at 2953 Shuswap Drive, Ka	mloops, BC, Canada.	
Applies to Method:	CRU-31	CRU-QC	LOG-22	PUL-31
	PUL-QC	SPL-21	WEI-21	
	Processed at ALS Vancou	ver located at 2103 Dollarton Hwy, No	orth Vancouver, BC, Canada.	
Applies to Method:	Ag-OG46	Au-AA23	ME-ICP41	ME-OG46
5.00 The Thirt Control of the Contro	Pb-OG46			



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221

Www.alsqlobal.com

Fax: +1 (604) 984 0218

To: KEN ELLERBECK 255 WEST BATTLE STREET KAMLOOPS BC V2C 1G8 Page: 2 - A Total # Pages: 2 (A - C) Plus Appendix Pages Finalized Date: 10-JUL-2016 Account: ELLERK

#### **CERTIFICATE OF ANALYSIS** KL16104812 WEI-21 Au-AA23 ME-ICP41 Method Analyte Units LOR Recvd Wt. Au Ca Cd Co Cr Cu Ag Ba kg Sample Description 0.02 0.005 0.2 0.01 10 10 0.5 0.01 0.5 0.01 0.79 <0.005 >100 0.03 <10 10 <0.5 1260 0.77 23.4 61 5 35 15 118 6.99 M-4-1 M-5 521 36 0.84 < 0.005 >100 0.04 <2 34 <10 <10 < 0.5 0.06 3.7 22 35 24 1.90 1.10 < 0.005 20.2 0.09 <10 <10 <0.5 0.10 <0.5 89 5.14

**ASSAY RESULTS** 

2

**APPENDIX** 

KEN ELLERBECK

<sup>\*\*\*\*\*</sup> See Appendix Page for comments regarding this certificate \*\*\*\*\*

July 23, 2016

KEN ELLERBECK

**EVENT #5610597** 

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221
www.alsglobal.com

Fax: +1 (604) 984 0218

To: KEN ELLERBECK 255 WEST BATTLE STREET KAMLOOPS BC V2C 1G8 Page: 2 - B Total # Pages: 2 (A - C) Plus Appendix Pages Finalized Date: 10-JUL-2016 Account: ELLERK

iiiinera	Ilinerals							7.5	CERTIFICATE OF ANALYSIS KL					KL161	(L16104812		
Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	
M-4 M-4-1 M-5	, and a second	<10 <10 <10	<1 1 <1	0.02 0.03 0.04	<10 <10 <10	0.41 0.04 0.29	59 37 180	1 2 1	<0.01 <0.01 <0.01	64 20 349	<10 <10 <10	>10000 >10000 1220	8.63 2.06 4.32	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<1 <1 1	33 4 11	

<sup>\*\*\*\*\*</sup> See Appendix Page for comments regarding this certificate \*\*\*\*\*

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2103 Dollarton Hwy
North Vancouver BC V7H OA7
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CERTIFICATE OF ANALYSIS KL16104812

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 TI ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Ag-OG46 Ag ppm 1	Pb-OG46 Pb % 0.001	
M-4 M-4-1 M-5		<20 <20 <20	<0.01 <0.01 <0.01	<10 <10 <10	<10 <10 <10	1 1 8	<10 <10 <10	708 28 14	758 298	3.10 1.385	

**EVENT #5610597** 

MICK CLAIM GROUP

### **Title Page**



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



TYPE OF REPORT [type of survey(s)]: TECHNICAL - PROSPECTING TOTAL COST: \$2717.25

AUTHOR(S): KEN ELLERBECK	SIGNATURE(S):
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):	YEAR OF WORK: 2016
STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):	JULY 15, 2016 EVENT #5610597
PROPERTY NAME: MICK	
CLAIM NAME(S) (on which the work was done): 1041401 MICK S1	
COMMODITIES SOUGHT: Au Ag Cu Pb Zn Ni	
MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 082LNW031	Name: FS
MINING DIVISION: KAMLOOPS	NTS/BCGS: 082L13W
LATITUDE: 50 ° 48 '23 " LONGITUDE: 119	o 49 '51 " (at centre of work)
OWNER(S):  1) KEN ELLERBECK	2)
MAILING ADDRESS: 255 BATTLE STREET WEST, KAMLOOPS, BC V2C 1G8	
OPERATOR(S) [who paid for the work]:  1) KEN ELLERBECK	2)
MAILING ADDRESS: 255 BATTLE STREET WEST, KAMLOOPS, BC V2C 1G8	
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure Two exposures of thick, milky white quartz veins separated by a	
Lithology: Felsic Schist, Amphibolite, Granite. Age -Proterozoic-	Paleoz.Cretaceous. Hydrothermal, Epigenetic, Industrial Min.
	cheelite. I07: Silica veins, I05: Polymetallic veins Ag-Pb-Zn+/-Au
South vein-Strike north, dips 90 - 3.5 to 15 metres wide. North-s	trike-040 deg, 90 dip, leucocratic granitic rocks. 20 metres wide.
REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT R	EPORT NUMBERS: 25115, 09529
	Next Page

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
		-	
Electromagnetic		-	
		-	
Radiometric			
Seismic			
Other			
Airborne		-	
GEOCHEMICAL (number of samples analysed for)			
Soil			,
Silt			
Rock			
Other		_	
DRILLING (total metres; number of holes, size)			
Core		-	
Non-core		_	
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area) 50m x 200m			\$2717.25
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/tr	rail		
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	\$2717.25