



Ministry of Energy and Mines
BC Geological Survey



Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Technical Report - Geochemical TOTAL COST: \$1050.00

AUTHOR(S): Dean Michael Arbic SIGNATURE(S): _____

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): _____ YEAR OF WORK: 2017

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5660669 June to July 2017

PROPERTY NAME: Widow Creek Claims

CLAIM NAME(S) (on which the work was done): Masterpiece mineral claim 1017930

COMMODITIES SOUGHT: Iron Copper Silver Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: Minfile 92C 139

MINING DIVISION: Victoria NTS/BCGS: 092C16E

LATITUDE: 48 ° 54 ' 55.0 LONGITUDE: 124 ° 11 ' 25.3 (at centre of work)

OWNER(S):
1) Dean Arbic 2) _____

MAILING ADDRESS:
po box 415 Lake
Cowichan BC Vor 2Go

OPERATOR(S) (who paid for the work):
1) same as above 2) _____

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Mississippian to Pennsylvanian Fourth Lake
Formation, Buttle Lake Group Argillite Marcasite Pyrite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: _____

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
Technical	.25 M3	1017930	\$1050
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	Hard Rock Sample for Base and precious Metals		
Other			
DRILLING (total metres; number of holes, size)			
Cores			
Non-cores			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/rid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres/trail)			
Trench (metres)			
Underground div. (metres)			
Other			
TOTAL COST:			\$1050.00

Print Form

Technical Report

Fire Assay of Metaliferous Argillite
From Widow Creek

Victoria Mining District

92C

UTM Co-ordinates
412553E 5418548N

Owner of Claims is Dean Arbic(133434)

Report Written by Dean Arbic

Work Performed and Supervised by Dean Arbic

Event Number 5660669

Report Date Nov 09 2017

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Introduction, Claim Location and History

This report details work done on the Mineral Claim Masterpiece(1017930). This claim is accessed by driving west past the town of Youbou near the Town of Lake Cowichan, for approximately 2.5 kilometers and turn right onto a logging road just before Cottonwood Creek. This is the Widow Creek Mainline, which is in good shape for about 3 kilometers then branches off into older de-activated roads and trails.

Some of these trails were built by the department of Energy and Mines back in the twenties and thirties, to provide access to a miners cabin on the shore of Lomas Lake. From this cabin work was done on the El Capitan claim which had many at the time hoping a large Gold Mine was to be developed. Despite high assay values of Gold at El Capitan and high Silver values at another nearby site the Silver Leaf claim. Interest in this area has been rekindled only recently, with the hopes that a new El Capitan type deposit might be discovered.

Regional Geology

The area is very interesting and an abundant amount of metamorphism seems to have occurred here. Based on the appearance of Sherk Lake, being surrounded by mountains the way it is, I believe it is possible that Sherk Lake is the crater of a dormant volcano.

Portions of this area are underlain by the sedimentary rocks of the Mississippian to Pennsylvanian Fourth Lake Formation and the Buttle Lake Group. The manganese minerals found in this area are hosted in the Lower Mississippian Shaw Creek Member.

In other spots the area is underlain by the volcanic rocks of the Upper Triassic Karmutsen Formation, of the Vancouver Group.

Aswell as precious metals, many small deposits of gemstone quality Rhodenite and Jasper have been found and small amounts removed over the years.

Technical Work Description

A large outcropping of soft fractured intercalated black slate/mudstone was discovered in the banks of Widow Creek. In this type of Argillite was seen long 2.5mm thick veins of a bright silvery metallic mineral, possibly Marcasite or Chalcocite. Approximately 4.5 kg was removed from the Masterpiece Claim and labelled and stored and dried for further analysis. The veins of this bright silvery minerals are soft and quite dense and were easily crushed and prepared for a simple backyard fire assay.

The objective of this work is to ascertain if this type of ore can be successfully melted and to calculate what percentage of metal can be captured into a prill (the first step of the backyard fire assay process.) If so, further work will be carried on to see if the prill can be subsequently cupelated and parted. The weight of the sample at each step of the process tells us about the metal values. When completed a precious metal percentage number for this unknown mettalic mineral can be formulated. This method of technical analysis is then used to determine a general approximate monetary value of the ore. That value can be used to answer the question, does this sample location warrant further exploration and certified assaying.

The ore sample was crushed by hand with a hammer, then screened to 20 mesh and re-crushed and screened again, then placed in a small electric flour mill and crushed to 150 – 200 mesh. Then melting flux and rice flour and litharge was added to the dried crushed ore and it all was placed into a hand mixer and thoroughly stirred. The contents of the mixer were placed in a clay crucible. The crucible was heated to 1100 degrees celcius for one hour in a small electric furnace. The hot charge was then poured into a graphite prill mold to cool. The prill that was produced was separated from the glass and was later weighed and photographed.

Step 1 Fire Assay	Sample #1 Widow Creek Argillite with Marcasite
	Ore..... 60 grams
	Melting Flux.....50 grams
	Rice Flour.....5 grams
	Litharge.....2.35 grams

Based on the appearance of the ore, I speculate that the sample is some type of iron sulphide with copper and other base metals and maybe precious metals. The Flux was purchased already mixed and it contains Anhydrous Borax, Sodium Carbonate and Silica Sand. The rice flour is just regular very fine household flour, and the Litharge is Lead Oxide powder.

Equipment and Tools Used

Hand tools; Hammer and anvil, screens, thongs, Graphite Prill Mold, One Shot Ceramic Crucible.

Electric Mill Corona portable Hand Mill powered by a small 3 phase 2 Amp electric motor.

Amaco 15 amp small Enameling Electric Furnace

Report Written on a Lenovo Idea Pad laptop Computer with Apache Open Office 4.1.1 and photos labelled by Windows Paint Program and Acrobat Adobe Reader

Photography by Divinity Arbic using a Sony Cyber-shot 16.1 mp digital camera.

Interpretation and Conclusions

The successful Fire Assays charge produced a prill weighing 24.4 grams, and this was from 60 grams of ore plus 2.35 grams of litharge. Together that totals 62.35 grams of material that went in. That means the Prill is 39.13% of the total charge, meaning the recovery into the prill from the ore is good and high confirming probably all recoverable metals are in the prill.

If we subtract the weight of the Litharge from both the charge and the prill, we get 60 grams of material producing a prill of 22.05 grams. By dividing the prill by the weight of the sample and multiplying by 100 we can determine the process extracted a large percentage of metal from the ore. Precisely 36.75% of the sample is recoverable metal that can now be cupelated. Since the prill is so big I must order bigger cupels to continue this research and exploration. The colour of the prill suggests some gold and lead may be present in this ore. I shall attempt to further refine this sample and take out the base metals by cupelling and any silver by parting.

Statement of Work and Cost

Work for Event Number 5660669

Work Start date June 06 2017, work stop date July 20 2017.

Work Description	Cost
Sample Preparation: Drying, Screening, Crushing, Milling and Mixing ore and flux – 4 hours @ \$100.00 per hour equals.....	\$400.00
Furnace Operation; Monitoring and Pouring – 1.9 hours @ \$200.00 per hour equals.....	\$380.00
Assaying Materials cost; One Shot Ceramic Crucible, Flux, Litharge, Rice flour, Electricity, Graphite mold -.....	\$165.00
Report Fee and Photography.....	\$105.00
Work Total Cost.....	\$1050.00
Amount Applied to Claims.....	\$1048.70
PAC Credit to DEAN ARBIC.....	\$1.30



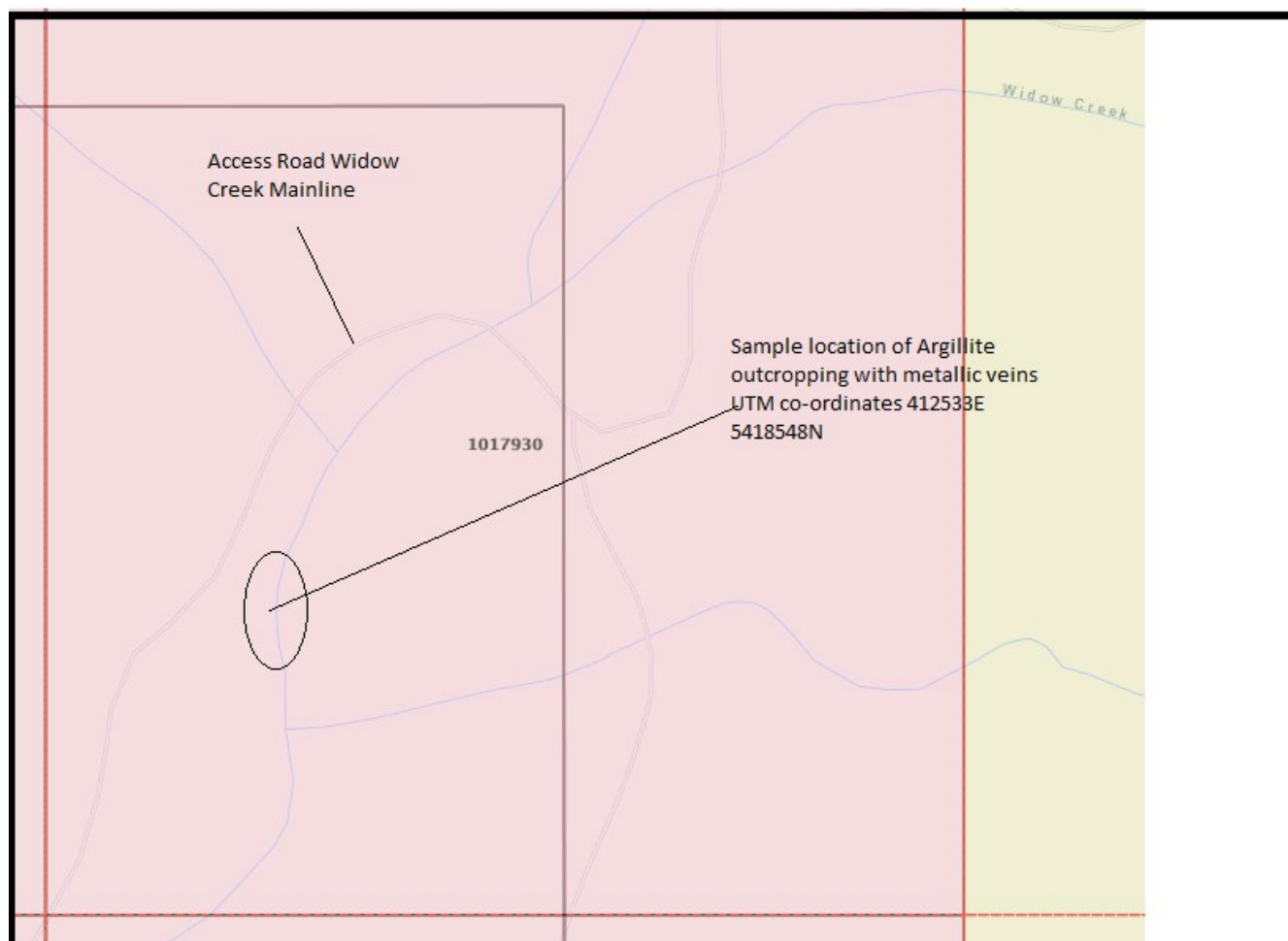
I Dean Arbic declare this to be true and correct. _____

Date..... Nov 09 2017

Fire Assay Sample #1 Argillite with Veins of Marcasite
from Sample Location 1 UTM 412553E 5418548N



Sample Location Sketch



Claim Location Map

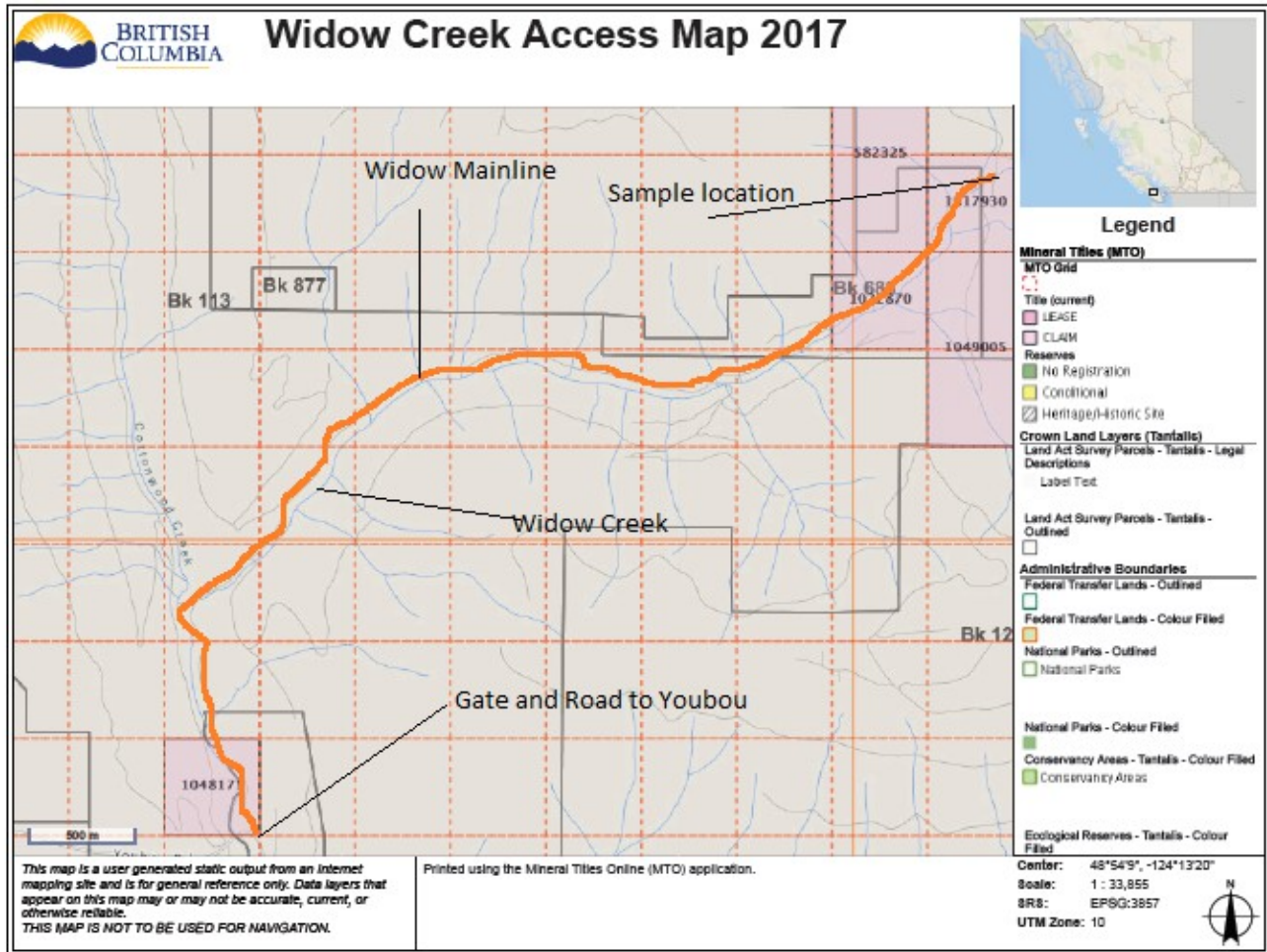


Photo of Equipment



Photo of Prill

