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File 82M5

Pop Claim

Property
Submittal.

A DIAMOND DRILLING REPORT

ON THE

POP CLAIM

#1588 (11)

NORTH BARRIERE LAKE AREA

KAMLOOPS MINING DIVISION

PROVINCE OF BRITISH COLUMBIA

FOR

D. BAUR

BY

C.T. PASIEKA, P.ENG.

October 1, 1979

Sheet - M82M/5 West Half

119° 45'W 51° 21'N

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INTRODUCTION

The legal corner post of the Pop Claim #1588 (11) is located some 3 km ENE of the east end of North Barriere Lake. The claim occupies a portion of the north valley slope of the North Barriere Lake valley, with elevations varying from 2200' to 3500' ASL. The area is timber covered with sub-commercial grade fir, cedar, pine and spruce. Overburden cover consisting of glacial detritus is generally light but extensive in the horizontal sense. Facile access to the south margin of the property is available via the graded all-weather road extending from Saskum Lake to the village of Barriere, B.C. a distance of some 35 km. The Pop Claim is within the limits of the Kamloops Mining Division and plotted on sheet M82M/5 west half.

The Pop Claim #1588 (11) is comprised of four units and is owned by Mr. D. Baur of Kamloops, B.C. at whose expense the diamond drilling was conducted. The early history of the property is not known, however some evidence of exploration activity is present in the form of a few sluffed trenches as well as a short adit driven into the hillside beside the creek. In 1966 the property was held by KamStar Mines Ltd. who conducted an electromagnetic survey and minor diamond drilling. Subsequent holders of the property have done some bulldozer stripping and trenching but only to suffice assessment work requirements.

The property must be classified as an exploration project in that a viable deposit of mineralization has not as yet been uncovered.

The current programme of diamond drilling is comprised of a single hole drilled to a depth of 30.9 meters using standard IEX equipment yielding

one inch core. The purpose of the hole was to intersect at depth mineralization observed in the creek bottom consisting of disseminated to massive pyrite, sphallerite and galena in a heavily silicified shear zone. Two short sections of quartz carrying disseminated galena and sphallerite were sectioned and yielded nominal values in silver, lead, zinc.

PROPERTY

The property under discussion consists of the Pop Claim, #1588 (11) comprised of four units. The above mineral claim is located in the North Barriere Lake area, Kamloops Mining Division, Province of British Columbia.

LOCATION AND ACCESS

The Pop Claim is located to the NE of the east end of North Barriere Lake. The property lies some 105 km NNE of the City of Kamloops, B.C. and 35 km NE of the village of Barriere, B.C. A good secondary graded gravel road traverses the south margin of the claim and provides facile access along the Barriere Lake valley to the village of Barriere, B.C. The claim occurs within the limits of the Department of Mines map sheet #H82M/5 west half. The coordinates of the property would be $51^{\circ} 21'N$ and $119^{\circ} 45'W$. The village of Barriere, B.C. is serviced by the Yellowhead Highway and by the C.N.R.

TOPOGRAPHY AND VEGETATION

The Pop Claim occupies a portion of the north slope of Barriere Lake valley and the north margin of the claim would have an elevation of approximately 3500' ASL. The area of the property is heavily forested with a preponderance of spruce and cedar in the lower areas with pine and balsam on the upper slopes. Several small streams flowing in a southerly direction provide sufficient water for exploration and possibly mining purposes. Overburden, though extensive in area, is of limited depth.

GENERAL GEOLOGY

The area under consideration is underlain by Mesozoic and Paleozoic rocks. In general, northern and eastern areas consist of granitic rocks of acid composition and comprise the northern slopes of the Barriere Lake valley extending northerly to Harp Mountain and easterly to Saskum Lake. These rocks vary from very coarse grained "dent de cheval" granite, porphyritic in feldspar, through to medium and fine grained phases and in turn grading to fine grained marginal gneisses. These rocks have been mapped as Mesozoic in age however, they may in fact be younger. Occupying a broad band along the valley floor and including the south valley slope and lower north valley slope are a series of sedimentary rocks. These are highly metamorphosed to qualify as metasediments and consist of mica shists, quartzites, argillites and slates. Within this sedimentary series occur minor intrusive masses of dioritic material, however the age relationship of these minor intrusives has not as yet been determined. These metasedimentary rocks occupy the south margin of the Pop Claim with the remainder of the area occupied by the porphyritic and medium grained granite.

STRUCTURE

The main structure feature in the area is the large ENE, WSW fault now manifest as the Barriere Lake valley. A secondary set of steep walled ravines and valleys running perpendicular to the main fault comprises the secondary joint system. The direction of movement along the various movement planes could not be immediately determined but would appear to be mainly in the vertical sense.

The belt of metasediments running parallel to the valley floor assume an anticlinal attitude with the anticlinal axes running central and parallel to the valley. The metasediments have dips of the order of 70° northerly along the north side of the valley with a similar but reverse dip on the south side immediately off the property. This reversal of dip may be due to an intrusive upheaval along the valley floor with a subsequent hinging effect.

MINERALIZATION

Along the south margin of the porphyritic granite along its contact with the metasediments occur a series of strong silicified shear zones. This silicification is manifest in the form of massive quartz veins of up to three and four feet wide, within the shear and impregnation of the walls for a distance of several feet. Making entry with the silica occur blebs and streaks of massive sulphides consisting of pyrite, galena, sphalerite and minor chalcopryite. Such a quartz vein occurs along the east margin of the Pop Claim and was sampled at a depth of some 50' i.e. 50 meters, by means of a diamond drill hole.

HISTORY

The early history of the area of the property is poorly known, however prospecting activity is evidenced by the short adit occurring near the east margin of the Pop Claim. In 1966 the area of the property was acquired by KanStar Mines Ltd. Their exploration programme consisted of line cutting,

electromagnetic survey and geological mapping. The electromagnetic survey indicated several conductive zones of moderate to strong intensity however, no further work was done on the area of the property as presently defined. The majority of their efforts in the form of diamond drilling were conducted to the SE of the present property. Subsequent holders of the property conducted minimal bulldozer stripping however this work does not appear to bear any relationship to the showings present on the property or to geophysical work previously carried out. The present holders of the property have done some physical work in the form of trenching and surface sampling.

DIAMOND DRILLING

A single diamond drill hole was drilled to sample at depth a three foot silicified shear zone observed in the creek bed along the east margin of the Pop Claim. The hole was drilled on a bearing of 285° T at a declination of -45° . The hole bottomed at 30.9 meters. The hole sectioned what appears to be a marginal phase of the porphyritic granite wide-spread in the area. Facies encountered varied from medium grained gneissic material through to typical "dent de cheval" granite. Two silicified zones containing disseminated sulphides were encountered, i.e., 12.87 to 13.18 yielded gold, Tr, silver, 0.46 ounces per ton, lead, 0.04%, zinc, 0.09%, and the interval 23.63 to 24.24 meters yielded gold, Tr, silver, 1.26 ounces per ton, lead, 1.90% and zinc, .29%. A surface sample taken from the surface exposure immediately ahead of the drill hole yielded gold, 0.01 ounces per ton, silver, 0.25 ounces per ton, lead, .88%, zinc, 0.02%. Another sample from the same area yielded gold, Tr, silver, 8.1 ounces per ton, lead, 0.47%, zinc, 0.39%.

The above two samples were taken over a width of approximately one meter.

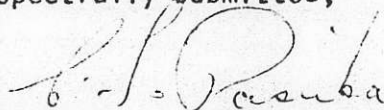
The above drilling was conducted using standard IEX coring equipment yielding a 1" diameter core. Core recovery was 99% and overburden extended to a depth of 5.15 meters. The core is stored at the residence of Mr. D. Baur, at 2043 Valleyview Drive, Kamloops, B.C.

CONCLUSIONS AND RECOMMENDATIONS

Diamond drilling and surface observations would indicate that the silicified shear zone is persistent to depth and horizontally, though not consistently mineralized. The assay values must be termed sub-economic, however previous sampling carried out over the exposed vein have yielded substantially higher values. It would be prudent therefore, to trace the surface exposure by means of trenching to its fullest extent. For a distance of at least 100 meters the vein follows the creek bed, which could be adequately sampled in low water. The surface sampling programme would be enhanced by further sampling at depth by means of diamond drilling.

Approximately one claim length to the west occurs a similar showing, i.e., a three foot quartz vein containing disseminated to massive sulphides in the form of pyrite, galena and sphalerite. This showing is worthy of similar treatment since previous sampling has indicated values of the order of 12 ounces per ton of silver and 9% combined lead and zinc.

Respectfully submitted,



C.T. Pasieka, P.Eng.

COST STATEMENT & PERSONNEL

Corry Grave - Drill helper -	June 10, 12, 13 @ \$100./day	\$ 300.00
C.T. Pasieka - Driller	June 10, 12, 13	
	Contract 30.9 m @ \$32.80/m	1013.52
Report by C.T. Pasieka, October 1, 1979		400.00
Truck rental - 3 days @ \$50.00		150.00
Assays - 4 x \$10.00		40.00
Accommodation - 6 man days @ \$20./day		<u>120.00</u>
	Total Cost	<u><u>\$1723.52</u></u>

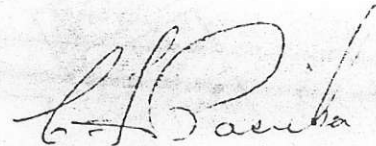


CERTIFICATION

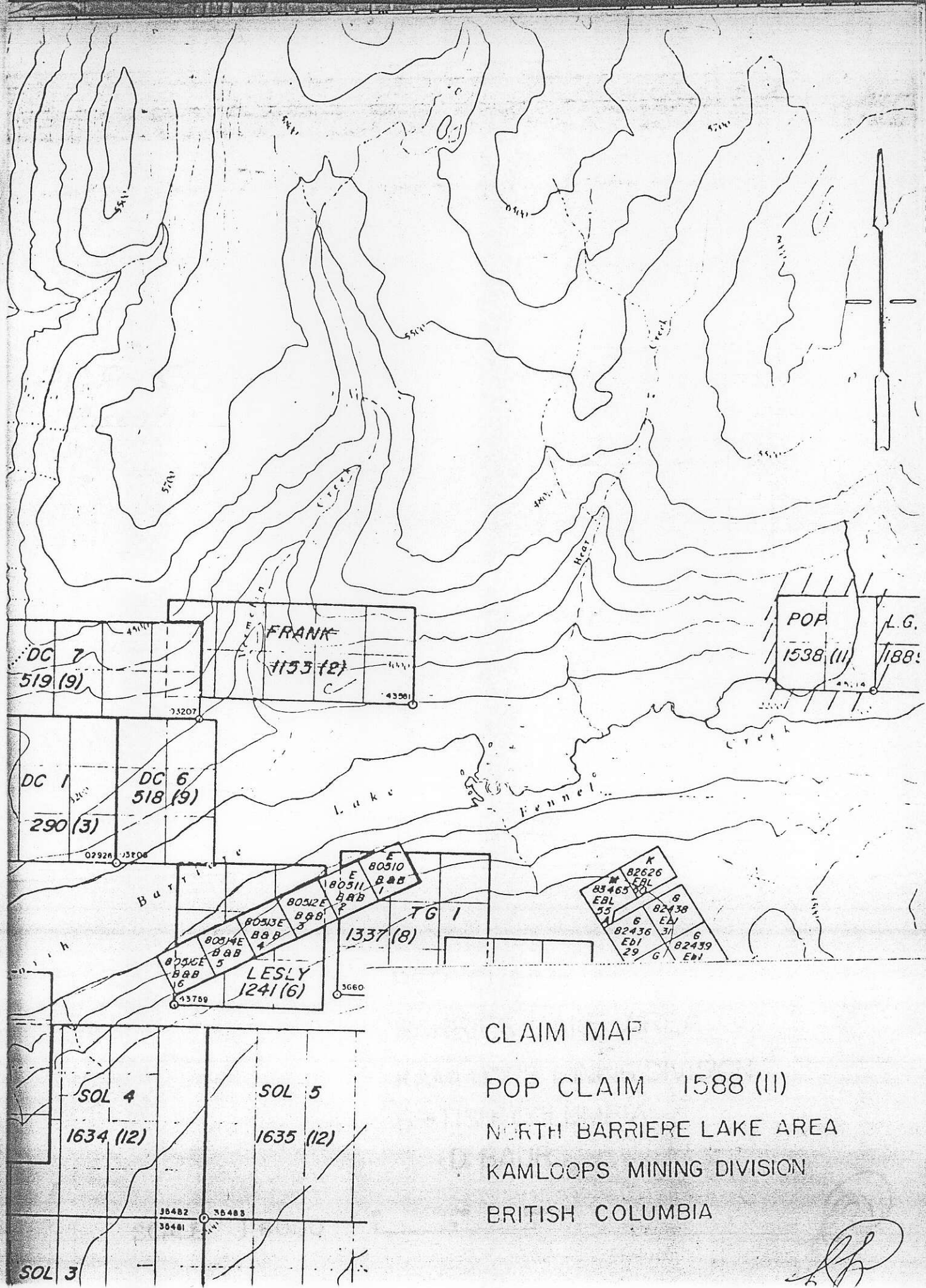
I, Clemens Terence Pasieka, of the City of Kamloops, Province of British Columbia, hereby certify that:

1. I am a geologist and reside at #7 - 1570 Freshfield Road, Kamloops, B.C.
2. That I am a graduate of University College, Dublin, B.Sc 1963.
3. That I have been practicing my profession as a geologist for sixteen years.
4. That I am a member of the Associations of Professional Engineers of Alberta, Saskatchewan and British Columbia.
5. That I have no interest nor do I expect to receive any such interest in the property of D. Baur, nor in the securities of D. Baur.
6. That this report is based on data derived from work carried out on the property under my supervision, from personal experience in the area, and from government publications relevant to the area.

Dated this first day of October, 1979, in the City of Kamloops, in the province of British Columbia.



C.T. Pasieka, P.Eng.



CLAIM MAP

POP CLAIM 1588 (II)
 NORTH BARRIERE LAKE AREA
 KAMLOOPS MINING DIVISION
 BRITISH COLUMBIA

POP CLAIM
1588 (11)

No. 20000 Cr. Crk.

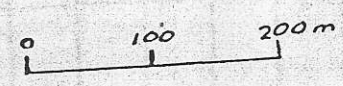
PDH B-1
-45°

= 35 km

LCP

POP CLAIM
BARRIER LAKE AREA
KAMLOOPS MINING DIVISION
BRITISH COLUMBIA
D. BAUR

SCALE 1:6000



A stylized handwritten signature or set of initials, possibly 'D.B.', located in the bottom right corner of the map.

DIAMOND DRILL CORE LOG - SAMPLE RECORD

PROPERTY NORTH BARRIERE LAKE CLAIM POP

LATITUDE 304.87 N STARTED June 10, 1979

DEPARTURE 243.9 W FINISHED June 13, 1979

ELEVATION 2500' ASL TOTAL LENGTH _____

For DEPTH Meters	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %
	Collar						
5.18	Casing						
12.87	Granitoid gneiss, medium grained with minor iron stain accelerated about fractures. Minor alteration of feldspars to kaolin.	Minor disseminated pyrite with occasional 1mm fracture filling.					
13.18	Highly silicified shear zone containing 90% quartz.	Occasional blebs and streaks pyrite and galena		12.87	13.18		
23.63	Medium grained gneiss grading to coarser grained granite in part phopphyritic. Occasional quartz filled fractures with or without iron staining.	Minor disseminated pyrite					
24.4	Silicified shear zone with relics of granite reduced to chloritic-talcu knots	Minor streaks and blebs	2	23.63	24.4		



DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM.....DORIS BAUER.....

ADDRESS.....2043 Valleyview Drive, Kamloops, B. C.....

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
34005	#9	<p>Spectrochemical Analysis: 0.03% Lead was found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>No Copper was found.</p> <p>Gold - Trace</p> <p>Silver - Trace</p>
34006	#14	<p>Spectrochemical Analysis: 0.03% Zinc, 0.04% Molybdenum, 0.15% Bismuth and 0.07% Arsenic were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>No Copper was found.</p> <p>Gold - 0.01 oz. per ton</p> <p>Silver - 25.3 oz. per ton</p> <p>Lead - 7.5%</p>

THIS DOCUMENT, OR ANY PART THEREOF, MAY NOT BE REPRODUCED
FOR PROMOTIONAL OR ADVERTISING PURPOSES

DATE July 4, 1975.....

[Signature]
CHIEF ANALYST AND ASSAYER



Kamloops Research & Assay Laboratory Ltd.

B.C. LICENSED ASSAYERS
GEOCHEMICAL ANALYSTS

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS, B.C. V1S 1A7
TELEPHONE 372-2784 TELEX 048-8320

CERTIFICATE OF ASSAY

TO Mr. Karl Bauer
302 - 409 Fortune Dr.
Kamloops, B.C.

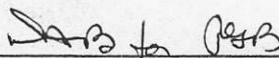
Certificate No. K-2629
Date May 1, 1980

I hereby certify that the following are the results of assays made by us upon the herein described _____ samples

Kral No.	Marked	GOLD	SILVER	Pb	Bi	As	Sb			
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	SE 1	.002	2.60	.35	.004	.07	.003			
2	2 - 6'	.052	.17	.08						
3	3 - 12'	.006	3.43	1.02						
4	4 - 18'	.002	5.60	.77						
5	5 - 30'	.006	.32	.09						
6	H W	.001	.04	.05						
7	F W	.002	1.63	.56						
8	Overburden	.002	TR	.02						

TR indicates trace

NOTE:
Rejects retained three weeks.
Pulps retained three months
unless otherwise arranged.


Registered Assayer, Province of British Columbia