

CHEIF 2312
RUPPEL

INTRODUCTION

082FNN219

002500

The Cheif is an old, but little explored silver prospect. It was previously known as the "Dry Ridge Group," and earlier as the Alexandria Mine. Narrow veins in the Nelson granite carry quartz, galena and high silver values. Shipments of hand cobbled vein material in 1976 ran 142.9 oz. Ag per ton plus 4.9% Pb for 3.7 tons and in 1977 ran 51.8 oz. Ag per ton plus 3% Pb for 4.4 tons. There were values in gold and zinc as well. Ainsworth Resources Ltd. proposes to explore the prospect to see if the number, width and grade of the narrow veins is sufficient to permit mining across all or part of the vein carrying zone. From preliminary examination the zone is known to be 64 metres wide and 20 metres deep.

{ 21051

The property was examined by me in August, 1979 accompanied by Mr. Norman Block the claim owner, who mined the two smelter shipments. The examination was hindered somewhat by dense fog.

LOCATION & ACCESS

The Cheif Claim is in the Slocan Range of the Selkirk Mountains in the Slocan District of British Columbia. It is on the west south west spur of Mt. Ruppel

{ uniform in quantity and quality across the 63 metre zone and not different from the area where the smelter shipments were mined.

Faulting offsets some of the lamprophyres with right hand offset of a few to 10 metres, but in other locations in a granodiorite terraine faults were indistinguishable from fractures.

{ Mineralization consists of veins and vein shears ranging from a fracture width to 2 to 15 cms. of quartz vein with variable amounts of galena in the granodiorite. Sphalerite was identified in some specimens and tetrahedrite - tenantite is presumed from the presence of malachite on weathering surfaces. Judging from the assays silver minerals must be present. In the smelter records one pound of Bismuth was reported in each shipment, no arsenic or antimony in one shipment and 0.1% each of arsenic and antimony in the other shipment.

A note on a sketch map by George Addie, P. Eng., P. Geology, District Geologist at Nelson states:

"Vein is in typical "Nelson" granite. Mineralization (Pb-Ag-Au-Cu) is both normal vein filling and breccia filling."

The breccia type of vein was not seen on the surface and the underground workings where it is likely to be seen were not examined.

SURFACE AND UNDERGROUND WORKINGS

Past operators sunk a shaft and then drove an adit about 20 m (60 feet) lower. The adit crosscut into the hill nearly 12 m (40 feet) and then drifted along a vein for 120 m (400 feet). The drift may be on a different vein than that in the shaft pit and is definitely different from the veins Mr. Norman Block mined on the surface.

ASSAYS AND SHIPMENTS

The highest silver assay on a specimen from the property ran 2075.3 oz. Ag per ton, and the lowest ran trace.

Out of the total of 38 specimens assayed by previous samplers only 11 ran less than 10 oz. Ag per ton, while 21 ran greater than 50 oz. Ag per ton.

On most specimens the lead values do not correlate with high silver values. Lead values bunch at 1 or 2% then 10 to 15% plus a couple at 29 and 45%.

The high copper assay was 0.23%.

With the exception of one gold assay at 0.34% oz. per ton the typical high gold value was 0.10 oz. per ton and again there was no direct relationship between gold or silver and lead values.

Most of the specimens assayed are not located or well described. Of greater importance are the smelter records from the shipments of 3.7 tons in 1976 and 4.4 tons in 1977. Shipment grades are shown in the following table.

Assays	Au	Ag	Pb	Zn	Tons
1976	0.16	142.9	4.9	0.2	2.78 3.78
1977	0.07	51.8	3.0	0.2	4.45

From visual inspection of the mining site and discussion in the field with the operator Mr. Norman Block the two shipments represent similar vein material.

Mr. Block's experience is that the mineralized vein matter can not be visually estimated for its silver content with any significant degree of confidence.

CONCLUSIONS

Significant silver values plus worthwhile gold and lead values are found in the Chief veins.

The veins are narrow high grade, and numerous. Their widths vary from a knife edge fracture to plus 10 cm. Their spacing can vary from 10 cm to 1 metre, but their frequency and width across the float covered zone are unknown. The vein float zone is 63 metres wide and could be wider. The length of the zone is unknown.

RECOMMENDATIONS

The prospect should be explored to see if a wide zone could be bulk mined by open pit or underground methods or both.

A mapping and geochemical sampling program followed by trenching to expose the veins and then sampling is recommended for a first step. An access route for a bulldozer should be constructed so that sufficient trenching can be done on the showings. When this information is plotted then a diamond drilling program can be laid out to drill across the zone.



DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... Norman L. Block

ADDRESS..... Slocan City, B. C.

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
29782	22893 B	<p>Spectrochemical Analysis: Lead, a small fraction of 1 per cent of copper, and a very small fraction of 1 per cent of molybdenum were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.06 oz. per ton Silver 2075.3 oz. per ton Copper 0.23% Lead 10.41%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>
29783	22894 B	<p>Spectrochemical Analysis: Lead, and a small fraction of 1 per cent of copper were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.04 oz. per ton Silver 342.1 oz. per ton Copper 0.20% Lead 11.68%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>

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February 14th 1969

S. Mitchell

CHIEF ANALYST AND ASS.





Sheet 2

DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... Norman L. Block

ADDRESS..... Slocan City, B. C.

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
29875	20508 B	<p>Spectrochemical Analysis: Lead, and a small fraction of 1 per cent of copper were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.06 oz. per ton Silver 2143.4 oz. per ton X Lead 29.57% Copper 0.23%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>
28876	20509 B	<p>Spectrochemical Analysis: Lead, and small fractions of 1 per cent of copper and zinc were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.715 oz. per ton Silver 105.9 oz. per ton Lead 14.14% Copper 0.18%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>

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DATE..... September 16th 1963

J. Mitchell

CHIEF ANALYST AND ASSAYER.





DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... Norman L. Block

ADDRESS..... Slocan City, B. C.

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
28873	20506 B	<p>Spectrochemical Analysis: Lead, and a small fraction of 1 per cent of copper were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.04 oz. per ton Silver 78.1 oz. per ton Lead 45.75% Copper 0.13%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>
28874	20507 B	<p>Spectrochemical Analysis: Lead, and a small fraction of 1 per cent of copper were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.07 oz. per ton Silver 159.3 oz. per ton Lead 17.34% Copper 0.13%</p> <p>Radioactivity: None was detected.</p>

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

RE..... September 16th 1968

J. P. ...

CHIEF ANALYST AND ASSAYER.



1966 CENTENARY OF THE UNION OF THE COLONIES OF VANCOUVER ISLAND AND BRITISH COLUMBIA UNDER THE NAME BRITISH COLUMBIA
 1967 CENTENARY OF THE CONFEDERATION OF CANADA

CERTIFICATE OF ASSAY

J. R. WILLIAMS & SON LTD.

PROVINCIAL ASSAYERS AND CHEMISTS

Office and Laboratory:

580 Nelson Street, Vancouver 2, B. C.

I **Hereby Certify** that the following are the results of assays made by me upon samples of ORE
 herein described and received from Mr. W. MOTTELMAN April 30th 19 69

MARKED	GOLD		SILVER		Copper		Lead		Per Cent.
	Ounces Per Ton	Value Per Ton	Ounces Per Ton	Value Per Ton	Per Cent.	Value Per Ton	Per Cent.	Value Per Ton	
4" Galena	0.10	\$	125.90	\$	0.14	\$	50.50		
recciated 342.1 oz.			10.45		0.06		13.00		
ange along side f 12"	0.03		409.00				5.40		
2" Lead	0.08		767.20				23.40		
2" Lead	0.10		1,071.30				11.70		

Gold calculated at \$ _____ per ounce.

Silver calculated at _____ cents per ounce.

Calculated at _____ cents per lb.

Calculated at _____ cents per lb.

Calculated at _____ cents per lb.

NOTE—Pulps of Samples retained 2 months from date of Receipt.
 Rejects 1 week unless otherwise instructed.

[Signature] Provincial Assayer.

Sheet #

1068 HORNBY STREET
 VANCOUVER 3, B.C.
 PHONE 688-8586

Sheet # 6

CERTIFICATE OF ASSAY

TO Dry Ridge Silver Mines
 111 - 845 Hornby Street
 VANCOUVER, B.C.

August 4, 1969

Lab No. 74

Samples Rec'd: July 30, 1969

I hereby certify THAT THE FOLLOWING ARE THE RESULTS OF ASSAYS MADE BY US UPON THE HEREIN DESCRIBED SAMPLES.

MARKED	GOLD		SILVER	LEAD							TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
1	trace	---	0.2	0.02							
2	trace	---	trace	0.02							
3	trace	---	0.6	0.05							
4	trace	---	0.6	0.07							
5	0.02	\$0.70	13.0	2.83							
6			296.6	0.29							
7	0.10	3.50	79.8	1.61							
8	0.04	1.40	82.2	0.41							
9	0.01	0.35	3.8	0.12							
10	trace	---	20.9	0.05							
11	0.01	0.35	1.7	0.02							
12	trace	---	0.2	0.05							
13	trace	---	25.6	0.10							
14	0.03	0.05	13.3	0.24							

Cont'd on page 2

Sheet # 7

NOTE:
 Rejects retained one month.
 Pulp retained three months
 unless otherwise arranged.

Gold calculated  per ounce


 Registered Assayer, Province of British Columbia

CREST LABORATORIES (B.C.) LTD.

1068 HOM. STREET
VANCOUVER 3, B.C.
PHONE 688-8586

CERTIFICATE OF ASSAY

Sheet # 7

TO Dry Ridge Silver Mines

August 4, 1969

Cont'd from page 1

Lab NO. 74

I hereby certify THAT THE FOLLOWING ARE THE RESULTS OF ASSAYS MADE BY US UPON THE HEREIN DESCRIBED SAMPLES.

MARKED	GOLD		SILVER	LEAD	Percent	Percent	Percent	Percent	Percent	Percent	TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent							
15	[REDACTED]	\$1.40	87.3	1.66							
No Tag	trace.	---	0.1	0.05							

Sheet # 7

NOTE:
Samples retained one month.
Samples retained three months
otherwise arranged.

Gold calculated at \$... 35.00... per ounce

F. Burgess

Registered Assayer, Province of British Columbia