

Report on Victory and Basin Groups of Claims
Of
SIRMAC MINES LIMITED
ALICE ARM AREA

Northern British Columbia

Summary

Victory Group-

Probable ore indicated by diamond drilling in No. 1 Zone is estimated to average 9.0 ounces of silver per ton across an average width of eight feet for a length of 350 feet to an average depth of 110 feet. That in No. 2 Zone is estimated at 13.2 ounces of silver per ton across an average width of 24 feet for a length of 200 feet and an average depth of 90 feet. The mining of this ore might provide the answer to structural problems and could be recommended when suitable arrangements can be made for milling the ore in conjunction with that from other properties in the immediate vicinity.

Basin Group-

Sampling of the one accessible pit on the main shear zone returned 2.09 ounces of silver per ton and 1.36% copper across a 10 foot width of the shear. Further evidence of the shear is seen 2000 feet north of the sampled pit. An electromagnetic survey is recommended to locate the best area for diamond drilling.

On the erratic and narrow high grade vein, five samples in a vein length of 55 feet gave an average assay of 50 ounces of silver and 4% copper across an average width of 18 inches. Trenching beyond both ends of the sampled area is recommended.

BASIN (103P 181)

Property

Victory Group-

The 12 mineral claims of this group are located 22 miles north of Alice Arm, B. C. $1\frac{1}{2}$ miles by trail east of the Kitsault Valley road from Alice Arm and include leased Lot No. 1244, two surveyed claims, Victory and D. Day No. 1 and nine unsurveyed claims being Victory No. 1 and D. Day No. 2 to D. Day No. 9 inclusive.

Payments to a total of \$8500 have been made on this group and further payments to complete the option on the group include \$19,000 plus 200,000 shares of Sirmac Mines Ltd. on or before Oct. 31, 1965.

Basin Group-

This group of claims, 4 of which were acquired by direct Mineral Lease from the Province of British Columbia and 5 additional which were staked by the Company this Summer, is located 12 miles north of Alice Arm, 4 miles by Trail east of Kitsault Valley, Road. It includes four surveyed claims, Lot 1096 to Lot 1099 inclusive, and five unsurveyed claims being Silver Basin No. 5 to No. 8 inclusive and Silver Basin Fraction. It is wholly owned by Sirmac Mines Ltd.

Access

Work on both properties is now serviced by helicopter but roads of $1\frac{1}{2}$ and 4 miles could connect the Victory and Basin Groups respectively with the Kitsault Valley Road from Alice Arm. This settlement is served by weekly passenger and freight boat service from Vancouver and almost daily air service from Prince Rupert.

Plant and Equipment

There is no mining plant on either property.

Timber

There is sufficient timber on the Victory Group for ordinary requirements but the Basin Group is mainly above timber line and would supply only a limited amount of small timber.

Current Local Activity

Within two miles of the Victory Group, the Dolly Varden Mines Ltd. is currently diamond drilling and performing underground development on its Wolf Group and adjoining the Victory Group. Silver Butte Mines Ltd. has just completed a program of diamond drilling on its Moose Group. All three companies are exploring quartz-barite-jasper replacement bodies containing native silver and or sulphides, arsenides and antimonides of silver. Closer to Alice Arm, Kennecott Copper Corp. and Canadian Exploration Company are exploring molybdenum deposits.

Diamond Drilling

During 1963, 2021 feet of diamond drilling was performed by Sirmac Mines Ltd. on the Victory Group of claims and further 2589 feet of drilling was done during the present year. This year's work extended the known length of No. I vein by 250 feet to a length of 450 feet. Best values in the added length were 8.36 ounces of silver per ton across 5.0 feet in Hole No. 13, and 7.34 ounces of silver per ton across 5.0 feet in Diamond Drill Hole No. 15. Drilling failed to extend the known ore in No. 2 Vein.

To summarize the results to date on the two veins-

No. 1 Vein -

With selective mining and basing calculations on the trenches and drill holes listed below, a length of 350 feet of vein would show an average grade of 9 ounces of silver per ton across an average width of 8 feet to an average depth of 110 feet.

	<u>Section</u>	<u>Sample Width Feet</u>	<u>Assay, Ounces Silver Per Ton</u>
D.D.H.:15	250 W	5.0	7.34
D.D.H.13	150 W	5.0	8.36
D.D.H. 4	100 W	6.7	6.1
Trench 8		7.0	4.8
D.D.H. 3	50 W	35.0	7.3
Trench 2		15.0	12.7
D.D.H.10		8.6	6.8
D.D.H. 1		5.5	13.9
Trench 1		25.0	9.0
Trench 9	50E.	4.0	26.7
D.D.H. 2		5.0	5.2

No. 2 Vein -

Assays in trenches and diamond drill holes suggest an average grade in this zone of 13.2 ounces of silver per ton across an average section width of 24 feet to a depth of 90 feet for a length of 200 feet on the basis of the following trenches and diamond drill holes previously reported:-

Trench or intersection	Assay - Ounces Silver
<u>Length - Feet</u>	<u>Per Ton</u>
Trench 3	23.0
Trench 4	12.5
D.D.H. 10	9.4
D.D.H. 11	9.2
D.D.H. 12	14.0
D.D.H. 3	15.8

Surveying

Victory and D. Day No. 1 Mineral Claims covering the present showings were surveyed by Mr. R. J. Reynolds, B. C. Land Surveyor, during the past Summer.

Basin Group

The main showing is a replacement along a shear zone in basic volcanic breccia. An open cut across the zone showed some mineralization across 20 feet with the best ten feet in the centre of the zone assaying 2.09 ounces of silver per ton and 1.36% copper. The zone strikes north-east and consists of quartz, carbonates, pyrite, chalcopyrite, tetrahedrite and sheared rock. Two other open cuts were full of snow at the time of the inspection but a grab sample from one gave an assay of 1.4 ounces of silver and 1.1% copper. The three cuts are placed along a length of 250 feet while 2000 feet further north on line of strike a shear zone appears in the face of the mountain. The intervening ground is covered by water and overburden.

Another deposit, a high grade, flat-lying, and erratic shear zone strikes North-West, dips into the hill and is exposed in trenches and a short adit for a length of 55 feet. It consists of quartz, pyrite, arsenopyrite, chalcopyrite and tetrahedrite. Samples taken with position noted in reference to the north-west end of the showing gave the following assays:-

		Width Sampled	Assay	
			Ounces Silver Per Ton	Per Cent Copper
Pit A	West End	18 inches	24.07	
Pit B	12' S.E.	15 inches	2.20	
West Wall of Adit	35' S.E.	30 inches	0.54	
East Wall of Adit	42' S.E.	16 inches	189.0	16.7
Pit C	55' S.E.	10 inches	111.3	8.2

Topography would permit investigation by surface pits both north-west and south-east of the sampled area.

Recommendations

Victory Group -

Further study should be made of the fault pattern in the vicinity of No. 1 and No. 2 Veins. Due to favourable topography, 60 feet of adit could cut No. 2 Vein and a further one hundred feet of adit could intersect No. 1 Vein.

Underground development would assist in solving the fault problem and this could be recommended when suitable

arrangements can be made for milling ore in conjunction with that from the properties of other companies in the immediate vicinity.

Basin Group -

It is recommended that an electromagnetic survey be made along the direction of strike of the main shear zone with the object of selecting the most favourable area for diamond drilling.

An attempt should be made to extend the known ore in the high grade vein by trenching to the north-west and south-east of the present showings.

"G. B. Tribble"

G. B. Tribble, P. Eng.

Bolton, Ontario
November 8, 1964

Professional Engineer
G. B. TRIBBLE
Mining Engineer
Province of British Columbia

CERTIFICATE

I, George Brock Tribble of Bolton Post Office, Township of Albion
Ontario, certify that;

- 1 I am a Mining Engineer, residing in the Township of Albion with Post Office address of Bolton, Ont.
- 2 I am a graduate of the University of Toronto, in Mining Engineering with a degree of B.A.Sc. (1925)
- 3 I have been practicing my profession for more than 30 years
4. My interest is as follows - 10% of cash payments and 15% of stock payments to vendors Smith and Donald -Option from Sirmac Mines Ltd. to purchase 25,000 shares of stock of that company at the price of 10 cents per share, the option to extend for one year from Nov. 8, 1963
5. The statements contained in this report are based on personal investigation and supervision of diamond drilling on the Victory Group during 1963 and 1964 and personal examination of the Basin Group August 25th. to 29th., 1964.
6. I am a member of the Association of Professional Engineers of the Provinces of British Columbia and Ontario.

"G. B. Tribble"

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