	TRIUNE	B2KNW026 PROPERTY FILE 07
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SUE		- 56

notes on filmer this firmy The Silve while claims are held by James main of Connership sta Ferguson and optioned to Sampson mines, of which albert Petersen is field superintendent. The Group is northing referred to a Bunker Hill, but there appears to be no reason for them Present accon The felver bould abound are bigh on the contract flack of a ridge extending northwest from redeliff mt. heteren Index and motion preeks: of pack trail leads from the present wridge over gainer preak, part the white quail eating, to The forder of Irdex breek, then withhed up to the adit at no. 5 groupert. The dower yest is shown very apprecisetally on the accompanying map. The the mineralized gaves are in directors year the contact will a green rock that appears to be argillite but may so with the party or wholly wolcanie in origin. This contact is irregular, workedly due to folling and fulting; it was mappellonly near 70,1 your and southeast from no. 5 and 6. I moreour find of line to 10 to 15 flet thick, is tracable contreastured from no. 5 200 Bedding is feirly content at 310° 00 SW. Both line tone and argilite are in places interesty dragfolded. The line tone is sorvely the grey but he sees altered and recrystallight to a high colour along numerous gones ranging in thickness from one to more than twenty feet. Some of these yours save a core of galesa mineralization. A sursty, altered and at 6725 feet ilisette contains only traces of galina. All the project of any merit appear to be A galenncarbonate replacements in -limestone's quarty is minor, nos. I to 4 are bedded replacement gones, we here as no. 5 appears to be a pocket in a highly contorted part of the narrow limestone hand and no. 7 comprises mineralization in the walls of three small firmeres withing obliguely across the hedding. no. 1 is a the + to 6 feet wide, of ailver bearing galene one, estimated to contain 12 yer cent lead. It is the the traced in outerop and trenches for 300 flet along strike, paring under cover to the contract and setending down To plat of Huff face to takes in the northwest. In one place it hulges to a width of 20 feet. PROPERTY FILE 82KNW026-07.

Progeto.

ycology

a.b.

musical gallon. This was not wanted by Retrace or main 70. 2 is a 3-foot Long of rather yothy galand replacement. It was seen at only one place, that is reported to have teen traced narthwest for 200 dat.

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no. 3 comprise two it included vein of menine galera, 5 feet apart; "This gone was followed by gits proo feet containt, where cover herene thicker.

No.4 was not seen. It is reported to be about 100 fut they

no. 5 comprises closely speed mall postete of marcine gallant. suplaining the correspond dragfalds in highly contested his tones, at rearry add followed a shear attilling 050° and diging TO" MIX. ethant 5 ton of mersive galena has here stored in such at the portal, but in reported to some from the cut, which is reneral feet in the footwall of the abour. No attempt has been made to explore the limiton hand in the shear hanging well, but there is no mineralization in the line-time band noutheast of the cut. This prospect offerer to be a small, high grade quelet or are short too small to be of any consequence. no. 6, indicated by red dots, is a 3- fost vein of graste and calcite, associated with huff, altered les, cutting across the directors hedding at a small angel. It contains only very sporse galera NO. 7 comprises there rerrow hands of marine gallon replament, 3 to 15 inde wide, along small shears withing shlipsely accountly limestone hedding. It is exposed in a 10-foot adit and three outs. To information was aptainable concerning a longer addit 75 feet dower in the draw.

"Whin the since told the writer of an eight project, below w. I in the drew, which was not mentioned by Petersen and war-ot seen. Sover in this that extensions in the killside delow the ro. I gone, and the chances of finding additional mineralized gones appear fairly good.

Progend work

Petersan proposes to drive an adit to intersect the four appar not was not recipien to treater. Anild a road to at least the chostion of the text. He was not recific as to route, that the general plan is shown by Mark penil dots. Some road work appears unavoidable, but should not be extensive. The

nord up Inder creek will be step, with grades my to 25 yer cent, and at the mercy of slides coming down the valley. A road aboy the old good trail as par as Inder Crick would take provided a gentlic grade, and avoiled have dean protected from dides by centerine timber, of stand we that and would have provided access to the white Quail prospects, it right was started along it, but doe wany oprings and require encountered of read up The northeast side of the vidge is out of the question because of shir thefe sear the top bonidentle difficulty will be experienced in raintaining the road, and it is doubtful whether the property could be mixed during The winter months.

-82K/11N 82K-26

DOLMAGE, CAMPBELL & ASSOCIATES LTD. consulting geological & mining engineers 1000 Guinness Tower

Vancouver 1, B.C. Summary Report

TRIUNE SILVER PROPERTY Lardeau District, British Columbia

INTRODUCTION

The Triune silver property of Richrock Mines Limited is located 50 miles southeast of Revelstoke in the Revelstoke Mining Division of British Columbia. It is 15 miles from the town of Trout Lake which is on an all-weather road.

The property consists of six Crown Granted mineral claims. Between the dates of July 29th and September 10th, 1969, a preliminary program of topographic and geologic mapping and trenching was carried out on the property. The work was under the supervision of the writer. No field work was carried out in 1970.

HISTORY

The Triune mine, like the other mines in the Lardeau mineral district, was active in the early 1900's. Only limited and spasmodic activity has occurred since. Recorded production was 653 tons of hand-cobbed concentrates which returned the following metal credits: lead - 494,867 pounds; zinc - 9,749 pounds; gold - 335 ounces; and silver - 144,928 ounces. Most of the zinc mined was discarded by cobbing.

Production was derived from a 400-foot vertical interval developed by three levels driven southeasterly into the south wall of a cirque. The fourth and lowest level, at an elevation of about 7250 feet, apparently did not explore the main yein. Total development in the mine was 2000 feet of tunnelling and 400 feet of raising.

The Silver Cup mine, lying 3500 feet northwest of the Triune mine, produced approximately 5,700,000 pounds of lead, 1,400,000 ounces of silver and 5,000 ounces of gold.

GEOLOGICAL SETTING

Sedimentary and volcanic rocks of the Lardeau group are folded into the major 'Silver Cup' anticline which strikes northwesterly and is overturned to the southwest. Many secondary folds are present. The lower two formations of the Lardeau group, the Index and Triune, crop out in the mine area and are the host rocks to the veins. They consist of slates, phyllites, and greenstones and are intruded by a small diorite body.

MINERAL DEPOSITS

Most of the larger mines in the Lardeau mineral district lie close to the Silver Cup anticline along what has been termed the "Central" mineral belt. The principal veins occur in bedding-plane shear zones associated with secondary fold structures. The veins strike northwesterly, dip northeasterly, and are from a few inches to several feet in width. They are composed of quartz and lesser amounts of siderite. locally mineralized with pyrite, galeng, sphalerite, tetrahedrite and

PROPERTY FILE

chalcopyrite. The dimensions of the Triune ore-shoots are unknown but the Silver Cup ore-shoots have depth to length ratios in the range of 5:1 to 10:1. Because of this, it is anticipated that undiscovered ore-shoots will present only very short surface exploration targets.

ORE POTENTIAL

There is no known unbroken ore in the Triune mine. Based on information in old reports, there may be up to a few hundred tons of broken ore, in presently inaccessible workings, and of hand-cobbed and sacked middlings. The average grade of about 35 tons of middlings at the No. 2 Portal is as follows: Au - 0.5 oz. per ton; Ag - 42 oz. per ton; Pb- 15%; and Zn - 6%.

The Triune mine production was derived from an ore shoot which cropped out. The vein was developed over about a 500-foot strike length and a 400-foot vertical interval. Total strike length of the Triune vein on Richrock property is 3300 feet. A portion of this length is concealed under the Triune basin and much of the remaining portion is virtually inaccessible at surface because of rugged topography. The writer cannot confirm the reported presence above No. 1 Portal of massive galena mineralization which would have been concealed by a glacier at the time of active mining.

The portion of vein concealed in the basin can be tested readily by drilling from existing roads. The remaining length of the vein can be tested most easily by advancing the No. 4 tunnel as a line drive and using it for drill stations. Such investigation would be expensive and would be undertaken only as second stage work.

Of particular significance in regard to the potential of the Triune vein are first that the Silver Cup ore shoots on a nearby, parallel vein extended to a depth of 1200 feet and second that as far as is known ore on the third level of the Triune mine was not followed to depth. (The fourth level was apparently driven off the main vein). Also significant is the high silver content of the ores. For past production, silver averaged five to six ounces per percent of lead.

A number of old mines in the Lardeau area are currently being investigated by other companies.

CONCLUSIONS

To be economically exploitable, it is estimated that a minimum of 100,000 tons of reserves grading 8% lead and 5 oz, per ton silver would be required. To provide that quantity of ore would require the equivalent of an ore shoot measuring 250 feet in length, 1200 feet in depth and 4 feet in width. Considering the production history of the Silver Cup mine, this is not an unreasonable possibility for the Triune vein.

RECOMMENDATIONS

It is recommended that the Triune vein near No. 4 Portal and under the Triune basin be investigated by diamond drilling. Estimated cost of the program is as follows:

ITEM	COST
Diamond drilling (including mobilization, camp and supervision) - 1400' @ \$21.	
Transportation and travel - bulldozer, truck, commercial travel.	
Administration, management and overhead.	
Engineering	3,000.
Sub-total:	\$42,400.
Contingency - 15%	6,400.
	\$48,800.

19

An expansion of the program would be dependent on obtaining positive results or additional property.

Respectfully submitted, DOLMAGE CAMPBELL & ASSOCIATES Ltd.

"LISLE T. JORY" Lisle T. Jory, Ph.D., P.Eng.

November 13, 1970.

CERTIFICATE

I, Lisle T. Jory, of Vancouver, Canada, do hereby certify that:

- 1. I am a consulting geological engineer.
- 2. I am a graduate of the University of British Columbia, (B.A.Sc., Geological Engineering, 1950), and of the California Institute of Technology, (Ph.D., Economic Geology and Geochemistry, 1964).
- 3. I am a registered Professional Engineer of the Province of British Columbia.
- 4. From 1950 until the present I have been engaged in mining, mining exploration and engineering geology for various companies in Canada. I was chief geologist for Eldorado Mining & Refining Co. Ltd. for six years and Senior Engineering Geologist for International Power & Engineering Consultants for three years.
- 5. I examined surface and underground exposures in the Triune mine area, Lardeau District, B.C., and available published and unpublished reports.
- 6. I have not received, nor do I expect to receive, any interest, directly or indirectly, in the properties or securities of Richrock Mines Limited.

Respectfully submitted,

"LISLE T. JORY" Lisle T. Jory, Ph.D., P.Eng.

Vancouver, Canada.