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CASCA BUILDING, WHITEHORSE, Y.T. 667-4113

BENTALL CENTRE, VANCOUVER, B.C. 688-3022 OR 522-1562

770 ONE BENTALL CENTRE
505 BARRARD ST.
VANCOUVER 1, B.C.

Summary Report

on

Eagle 1-92 and 115-130 Claims, Yukon Territory

for

TINTINA SILVER MINES LTD

August 15, 1968

ALAN R. ARCHER

CONSULTANT

VANCOUVER B.C.

INTRODUCTION

The following summary report is based on the writers personal knowledge of the property and the Yukon in general; on a report by K. J. Christie, Consulting Mining Engineer, dated March, 1968, and; on pertinent government publications including Geological Survey of Canada Map 8-1960 and Paper 63-38.

PROPERTY, LOCATION AND ACCESS

The property consists of 108 contiguous mineral claims, the Eagle 1-92 and 115-130 claims, located at Latitude 61°07' and Longitude 131°15' in the Watson Lake mining district of the Yukon Territory. Present access is by charter plane from Whitehorse to either Junkers Lake or a bush airstrip both located about 10 miles south of the property. Access to the all-weather Watson Lake-Ross River highway would be possible by construction of a 50 mile tote road.

HISTORY

The first silver-lead showings were found by prospectors working for Conwest Exploration Co. Ltd. in 1961. In 1962 Conwest did 1,800 feet of drifting, 625 feet of surface drilling and 3,200 feet of underground drilling at a total cost of \$400,000. Results were considered unsatisfactory and no further work has been done to 1968.

GEOLOGY AND MINERAL SHOWINGS

The property lies above timberline in the rugged St. Cyr mountain range at elevations varying from 4500 feet to 6500 feet. Effects of glaciation are minimal and outcrop is not abundant.

Vein faults occur in complexly faulted and folded limestone, slates and shales that have been altered to hornfels by a granodiorite intrusive about 1/2 mile to the north. Mineralization consists of freibergite, galena and sphalerite and is most abundant where the vein faults cut limestone. A total of 22 veins were found by Conwest, all within an area of approximately 6 claims in the north central part of the property. Of these, nine are described by the Geological Survey of Canada as averaging 42 ounces of silver per ton, 17% lead and 9% zinc over a width of 5.0 feet and a length of 70 feet for an overall indicated tonnage of 250 tons per vertical foot.

CONCLUSIONS AND RECOMMENDATIONS

It is the writers opinion that underground development was premature and that a more thorough program of surface exploration is required for effective evaluation of the property. This work is amply justified by the excellent grade of the showings and the substantial increase in the price of silver since 1962. The first stage should be reconnaissance geochemical exploration of the 108 claims to locate all significant areas of silver-lead mineralization. The second stage should be detailed geochemistry of areas

so located followed by geological mapping, trenching, and drilling to determine priority of underground development.

BUDGET

Stage 1

Mobilization (including helicopter support)	-	\$10,000
Labour and camp	-	14,000
Geochemical analyses, supervision	-	<u>6,000</u>
Total Stage 1	-	\$30,000

Stage 2

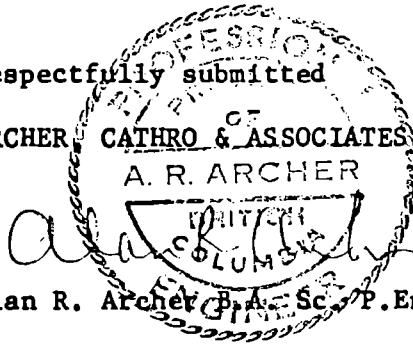
Detailed geochemical survey	-	\$ 8,000
Bulldozer rental, fuel	-	40,000
Mobilization by winter cat train	-	20,000
Labour, camp supplies	-	20,000
Aircraft charters	-	15,000
Diamond drilling, 4000' @ \$15/ft.	-	60,000
Geological mapping, supervision	-	15,000
Total Stage 2	-	178,000
Total Stage 1 and 2	-	\$208,000

Respectfully submitted

ARCHER, CATHRO & ASSOCIATES LTD.

A. R. ARCHER

Alan R. Archer B.A., Sc., P. Eng.



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C E R T I F I C A T E

I, ALAN R. ARCHER, with business address in Whitehorse, Yukon Territory, and residential address in South Burnaby, B.C., do hereby certify that,

- (1) I am a consulting geological engineer.
- (2) I graduated from the University of British Columbia with a B.A.SC. in Geological Engineering in 1957.
- (3) I am a registered Professional Engineer in British Columbia and Yukon Territory.
- (4) From 1957 to 1966 I was engaged in mineral exploration in Canada as a geologist for a number of companies. I was Chief Geologist for United Keno Holl Mines Ltd. when I retired to private practice in 1966.
- (5) I have examined all government publications relating to Tintina Silver Mines Limited and have personally examined the properties referred to in this report.
- (6) I have not received, nor do I expect to receive, any interest, directly or indirectly, in the properties or securities of Tintina Silver Mines Limited.

Respectfully submitted,

A. R. ARCHER

BRITISH COLUMBIA

Alan R. Archer, B.A.Sc. P. Eng.