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J GEOCHENICAL SURVEY

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MONTE CHRISTO MINES LTD. N.P.L. 19-9-68:9-10-68 A.R. Allen, P.Eng.

December 1st, 1968

Allen Geological Engineering Ltd. 507 - 789 West Pender Street Vancouver 1, B. C.

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SPOUT LAKE PROFERTY

OF

MONTE CHRISTO MINES

GROCHEMICAL SURVEY

INTRODUCTION

A soil sampling survey was conducted over a grid pattern on the Spout Lake property of Monte Christo Mines Ltd., comprising the SS 1 to 40 and Centact 1 to 6 claims, starting September 19th and terminating October 24th, 1968.

The field party consisted of Tom Thomas, Terry Thomas, Joe Hunyadi, Murray Mills, Chris. Hart, Jim Masa-Dyke and A. R. Berry.

The survey crew were stationed at the Ten-ee-ah Camp on Speut Lake. Rented 4-wheel-drive and light truck vehicles were used for transporting the crew to the property. Chain and transit were used for base line surveying, and cross lines were run with chain and Brunten compass.

The survey was considered adviseable because copper mineralisation had been found at several places where bedrock is exposed, and no bedrock information was available on the siscable intermediate areas covered with glacial till and forest debris. The object of the survey was to test soil samples for copper content and therby detect and map any areas of overburden which carry higher than normal quantities of that mineral.

LOCATION AND ACCESSIBILITY

The property is located in south central British Columbia about 25 miles northeasterly from Lac La Hache by secondary read. Lac La Hache is on Highway 97, 315 miles north of Vancouver.

PROPERTY

The property comprises the following adjoining located mineral claims.

. SS 1 to 40 inclusive Record Nos. 38000 - 38039 Centact 1 to 6 " " 44068 - 44073

The claim posts have been examined and staking is in accordance with the requirements of the laws of British Columbia.

The approximate (unsurveyed) position of the claims are shown on the geophysical map accompanying this report.

TOPOGRAPHY

The area is a part of the interior plateau region of British Celumbia. Lac La Hache is 2,768 feet and Spout Lake
is 3,532 feet above sea level. Two miles north of the
east end of Spout Lake a rounded hilltop is just ever
4,500 feet above sea level. The hillside between the top
and the lake is fairly even and the grade is a drop of
close to 500 feet per mile. The north side of the hill
is considerably steeper and the valley is occupied by
Canim Creek.

GEOLOGY

Large areas of the property are covered with overburden.

Preliminary mapping indicates, however, that the claims

are located entirely upon an intrusive complex composed

largely of hornblende-bietite granodicrite. To the west

two by three miles is capped with baselt and minor tuff, conglomerate and sandstone. There is a large area south of Spout Lake underlain by Nicola volcanics and the centact between these and the granodibrite extends southeasterly from the east end of the lake. The baselt capping is miocene and/or later, the granodiorite Upper Triassic or Lower Jurassic, and the Nicola volcanics Upper Triassic.

Copper mineralization, asseciated with sheared and altered sones in the granodicrite, has been noted at several locations. On the SS RS claim one rock trench has been excavated into a shear sone containing chalcopyrite and pyrite, and 1000 feet to the south on the SS RS claim three trenches within a radious of 20 feet expose shears containing bornite, chalcopyrite, magnetite, pyrite and malachite. The adjoining altered granodicrite is brecciated for a distance of at least 40 feet from the mineralized shears, and minor disseminated chalcopyrite and pyrite occur in this sone.

GEOCHENICAL SURVEY

The geochemical survey was conducted over a grid set out in a north-south direction over the claims area.

The base line for the grid was surveyed by chain and transit in an easterly direction through the approximate middle portion of the claims area. From stations staked along the base line, at 300-foot intervals, cross lines were extended north and south by chain and Brunton compass to the property boundaries. Along each grid line stations were staked at 100-foot intervals. Stakes at all stations were marked in accordance with the grid number system.

Samples composed of a small handful of soil, taken from a depth of about six inches at each station were placed in paper bags. Each bag was clearly marked with the station number. So far as practicable grass, twigs, roetlets, needles and humas were not included with the soil sample.

The samples were taken to Langley, B. C., dried and tested by the Rubianic Acid process for the detection of copper. The results were classified as nil, weak, medium and strong for each sample and so recorded in notebook and on the map accompanying this report.

SURVEY RESULTS

Numerous "spot" mediums and strong samples lie on the eastern one third of the claims area. Four such locations on the SS 18, 19, 20, 39 and 40 may be checked to advantage if the everburden cover in this area is found to be shallow.

A barren some extends along the drainage area from the small unnamed lake westerly and southwesterly to Spout Lake. Similarly from the small lake somes of weak to nil samples extend easterly to the boundary of the property.

On the south side of the small lake there are four irregularly shaped areas, trending in a general westerly to northwesterly direction, from which medium to atrong samples were derived. This includes the SS 9, 11, 10, 12 and 14 claims areas. The largest areas of strong copper content within this general sens are along both sides of the base line, stations S7, 90 and 93; and from 4 to 8 south of base line on lines 57 and 60.

West of the small lake a large and irregular some of medium to strong samples extends northwesterly across claims 55 24, 25, 26. Six areas are classed as highs, surrounded by siscable areas of medium strength.

The third large area showing medium to strong sample results extends from the base line south to Spout Lake, along lines 24, 27 and 30. The largest area of high copper content is 500 feet south of the base line, extending from line 24 to line 27. This large some is terminated on both north and south by topographic features, i.e. the drainage area between the lakes and Spout Lake.

In general the western half of the property appears to show more areas of important copper content in the soil, and in this regard additional 28 claims have been staked along the west and north boundaries.

RECOMMENDATIONS

It is herewith recommended that the following works programme be conducted over the SS and Centact groups of mineral claims.

Estimated Costs

 Establish a field camp on the property suitable access road to same,

\$ 2,500.00

2.		
	the property,	\$ 3.000.00
3.	Extend the geochemical survey at	
	least 3000 feet west and north	
	of the present survey boundaries,	4,000.00
4.	Have an Induced Polarisation Survey	
	made over selected areas,	8,000.00
5.	Where possible expose selected	
	areas to bedrook by stripping off	
	overburden with a bulldoser,	12,500.00
6.	In order to map and sample known	
	and newly exposed mineralised	
	somes, crossout same by rock	
	trenching,	7,000.00
7.	Check to shallow depths somes	
	of mineralisation by diamond	
	drilling,	25,000.00
8.	Office, overhead and supervision,	15,000.00
9.	Contingencies fund,	10,000.00
	Total estimated costs,	\$87,000.00

This field programme should not require more than eight months.

Respectfully submitted,

per afusk alle P. Eng.

Vancouver, B. C. ALLEN GEOLOGICAL ENGINEERING LTD.

December 1, 1968

REPERENCES

Campbell, R. B. Geological Survey of Canada, Map 59-1959
Campbell, R. B. Geological Survey of Canada, Map 3-1961
Campbell, R. B. &
Tipper, H. W. Geological Survey of Canada, Map 3-1966

TO WIT:

1. Alfred R. Allen of the Province of British Columbia, City of Vancouver

Do Solemnly declare that:

- 1. I am a consulting geological engineer, mamber of the association of Professional Engineers of B. C. AND that the geochemical survey over the SS 1 40 and Contact 1 to 6 mineral claims, Cariboo Mining Division, was under my supervision.
- 2. The statement hereto annexed and marked "Exhibit A" to this my declaration is a true and accurate statement of expenditures made by me on behalf of Monte Christo Mines Ltd. N.P.L., on the geochemical survey of SS 1 - 40 and Contact 1 to 6 claims inclusive between the dates September 19th and October 24th, 1968.
- 3. The listed expenditures are exclusive of all other expenditures connected with the survey, including transportation, supplies and accommodation to and from the property.

AND I make this solemn declaration, declaring it to be true and correct statement of the same force and effect as if made under oath, by virtue of the Canadian Evidence Act.

DECLARED before me at THE CITY OF VANCOUVER in the Province of British Columbia this 104 day of 1968 A.D.

Cighet allen.

A Commissioner for taking Allidavirs in end let the Province of Datish Columbia

ALFRED R. ALLEN

EXHIBIT "A"

December 10th, 1968

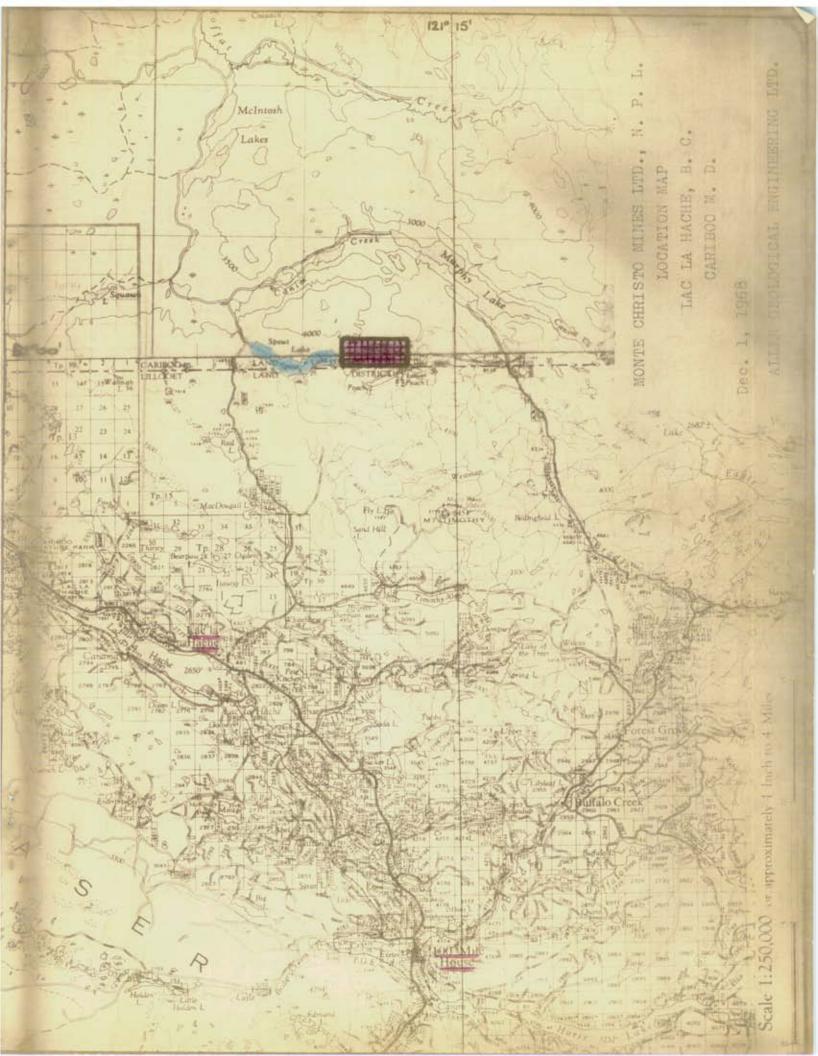
GEOCHEMICAL SURVEY

Geochemical survey over grid on SS 1 - 40 and Contact 1 - 6 claims, Record Numbers 38000 to 38039 and 44068 to 44073 inclusive; situated on northeast end of Spout Lake, 25 miles northeast of Lac La Hache, B. C., in the Cariboo Mining Division.

Alfred R. Allen, Consulting Engineer, Vancouver, B. C. Thomas Thomas, Operator, Langley, B. C. J. Hunyadi, Operator, Vancouver, B. C. Terry Thomas, Assistant, Langley, B. C. Murray Mills, Assistant, Langley, B. C. Chris Hart, Assistant, Langley, B. C. Jim Nasa-Dyke, Assistant, Vancouver, B. C. A. R. Berry, Assistant, Vancouver, B. C.

A. R. Allen, Sept. and Oct.	\$	490.00
Thomas Thomas, Sept. 19 - 24, Oct. 19 - 24		426.00
J. Runyadi. Sept. 19 - 30. Oct. 1 - 9		630.00
Terry Thomas, Sept. 19 - 30, Oct. 1 - 9,		
15 - 19, 21 & 22		580.00
M. Mills, Sept. 22 - 30, Oct. 1 - 8		340.00
C. Hart, Sept. 22 - 30, Oct. 1 - 8		340.00
J. Nasa-Dyke, Sept. 22 - 30, Oct. 1 - 8		340.00
A. R. Berry, Sept. 22 - 30, Oct. 1 - 8		425.00
Camp accommodation and vehicle costs	1	,096.88
Chemical supplies		91.37
	\$4	,759.85

Cécque K. Ulla.



Geochemical Survey, SS 1 - 40 Contact 1 - 6

September 19th -- October 24th, 1968

FIELD CREW

Alfred R. Allen, P. Eng. Consulting Engineer

Tom Thomas, trained for 12 years by A. R. Allen on all phases Operator of surveying and soil sampling.

J. Hunyadi, trained for 5 years by A. R. Allen on all phases Operator of surveying and soil sampling.

Remainder of Crew (5 men) -- field assistants

