

# MACDONALD CONSULTANTS LTD.

SUITE 12 . 425 HOWE STREET, VANCOUVER 1, B. C.



Report  
on the  
Hole Group of Claims  
in the  
Dawson Range, Yukon Territory  
for  
Coin Canyon Mines Ltd.



by  
MacDonald Consultants Ltd.  
E. D. Dodson, P. Eng.

January 7, 1970

This report has been examined by the Geological Evaluation Unit and is recommended to the Commission to be considered as representation work to the amount of

\$486.12

*J. B. Craig*

Resident Geologist or  
Resident Mining Engineer

Considered as representation work under  
Section 55 (4) Yukon Quartz Mining Act.

*[Signature]*

Commissioner of Yukon Territory

## Table of Contents

	<u>Page</u>
Introduction	1
Claims	1
History	1
Location & Access	2
Geology	2
a.) Regional Geology	2
b.) Economic Geology	2
Recommendations	3
Budget	4

### Maps

279-8 Location Map

279-9 Claims Map

INTRODUCTION

The Hole group of claims consists of 146 quartz claims staked in two blocks around the Casino Silver Mines Ltd. copper prospect in the Dawson Range, Yukon Territory. Recent drilling on the Casino property has shown extremely large tonnages of low grade copper mineralization.

The Hole group is currently primarily a location bet; that is, its main attraction is its nearness to known mineralization. No showings are as yet known on the ground but at least some of the geological elements present at Casino exist on the Hole group.

CLAIMS

The Hole group consists of 146 quartz claims:

<u>Claim</u>	<u>Grant Number</u>	<u>Date Recorded</u>
Hole 1 - 8	Y39263 - Y39270	October 27, 1969
Hole 10	Y39271	October 27, 1969
Hole 13 - 22	Y39272 - Y39281	October 27, 1969
Hole 25 - 34	Y39282 - Y39291	October 27, 1969
Hole 36 - 44	Y39292 - Y39300	October 27, 1969
Hole 45 - 48	Y39405 - Y39408	October 27, 1969
Hole 49 - 152	Y39301 - Y39404	October 27, 1969

HISTORY

The claims were staked in the fall of 1969 as a direct result of the realization of the potential of the Casino mineralization. So far as the writer knows the ground covered by the Hole group had received no previous attention. No work has as yet been done on the current claims.

## LOCATION AND ACCESS

The property is located 8 to 10 miles south of the Yukon River in the north end of the Dawson Range. It is approximately 190 air miles northwest of Whitehorse, Yukon Territory and 90 miles south of Dawson, Yukon Territory.

Elevations range from approximately 3,000 to 5,000 feet above sea level.

Access is by helicopter from Whitehorse or Dawson. Although the distance from Whitehorse is twice that from Dawson, logistics favour using the Whitehorse base.

## GEOLOGY

### a.) Regional Geology

The property lies within the northwest part of the Dawson Range, an inlier of the Yukon Plateau. The geology was mapped by D. D. Cairnes in 1916 (Klotassin, Yukon Territory, Geological Survey of Canada Publication No. 1702).

Cairnes shows the chief rock group as Cretaceous or Jurassic intrusives of granitic to gabbroic composition with associated porphyries. The northernmost claims may lap onto Cairnes undifferentiated Precambrian rocks (Yukon Group).

Recent work on the Casino property suggests that the porphyries are, in part at least, Tertiary in ages.

### b.) Economic Geology

The Dawson Range contains numerous porphyry bodies of Tertiary Age. Recent work by several groups has shown the presence of at least near-commercial

mineralization associated with various of these bodies. Copper, molybdenum and silver are the metals of interest with copper currently looking most attractive.

The most significant of the recent discoveries as they relate to the Hole group is the discovery on the Casino ground. A silver showing on this property has been worked on for many years but only in the past year has it been recognized that a porphyry-copper type deposit occurs here. Further this deposit shows significant surface leaching and subsequent supergene enrichment.

The Casino mineralization occurs associated with Tertiary intrusives and a breccia pipe. The search for similar deposits is primarily a search for a similar environment. In this area of rounded, detritus-covered hills a porphyry body may be evident only as an area of porphyry float surrounded by float of other types.

Rocks seen by the writer on the Hole group were chiefly granitic in composition, although some strongly lineated rocks suggest metamorphosed sediments. Feldspar porphyry was noted as float but no evidence of mineralization was noted.

#### RECOMMENDATIONS

The writer recommends that the following work be carried out on the Hole group of mineral claims:

##### Geological Reconnaissance

Because of the abundant detrital cover outcrop mapping alone would give very little information. The writer therefore recommends a program of float

mapping. This would be done on lines spaced 800 feet apart crossing the claim blocks and all major drainages.

Air photos of the area should be available so that the field crew can fill in between lines in any areas of interest.

Geochemical Survey

Coincident with the geological work outlined above soil samples should be taken along the lines at 500 foot intervals. In areas underlain by rusty, altered mineralized or porphyritic rocks this spacing would be reduced to 250 feet at the discretion of the field geologist. Silt samples should be taken at all intersections of the lines with local drainage features.

BUDGET

Line cutting and flagging 80 line miles \$100/line mile	\$ 8,000.00
Geological Mapping & Geochemical Sampling 1 Geologist and 2 Helpers - 5 weeks	4,000.00
Geochemical Analysis 900 samples (Copper and Molybdenum)	1,800.00
Camp Costs	1,600.00
Helicopter	4,000.00
Other Transportation, Communications, Mobilization and Freight	2,000.00
Consulting Charges and Consultants' Expenses	<u>1,200.00</u>
	\$22,600.00
Contingencies	<u>2,000.00</u>
	<u>\$24,600.00</u>

Respectfully submitted,  
MACDONALD CONSULTANTS LTD.

MACDONALD CONSULTANTS LTD.  
SUITE 12 - 425 HOWE STREET, VANCOUVER 1, B. C.

January 9, 1970

CERTIFICATE

I, Earl D. Dodson, do hereby declare that:

- 1.) I reside at 2990 St. Kilda Avenue, North Vancouver, B. C. and have business address at 12 - 425 Howe Street, Vancouver 1, B. C.
- 2.) I am a graduate in geology of the University of British Columbia 1954.
- 3.) Since 1954 I have been employed in various phases of mineral exploration; in the latter years in posts of considerable responsibility.
- 4.) I am a professional engineer registered in the Associations of Professional Engineers of the Province of British Columbia and the Yukon Territory.
- 5.) I visited the property for approximately one hour on October 25, 1969.
- 6.) I have no interest, direct or indirect, nor do I expect to receive either directly or indirectly any interest in the properties or securities of Coin Canyon Mines Ltd.

Respectfully submitted,

MACDONALD CONSULTANTS LTD.

E. D. Dodson, P. Eng.

EDD/st

MACDONALD CONSULTANTS LTD.

SUITE 12 . 425 HOWE STREET. VANCOUVER 1. B. C.

January 7, 1970

To Whom It May Concern:

This is to certify that on October 25, 1969 I examined portions of the staking on the Hole groups of claims and found them to be staked in accordance with the Yukon Quartz Mining Act.

Yours very truly,

MACDONALD CONSULTANTS LTD.

E. D. Dodson, P. Eng.

EDD/st

MACDONALD CONSULTANTS LTD.

SUITE 12 . 425 HOWE STREET. VANCOUVER 1, B.C.

January 7, 1970

To Whom It May Concern:

I, Earl D. Dodson, hereby give my consent to the inclusion, in full, of my report on Hole claims in the prospectus of Coin Canyon Mines Ltd.

Yours very truly,

MACDONALD CONSULTANTS LTD.

E. D. Dodson, P. Eng.

EDD/st

HOLE CLAIMS

o Dawson  
o Mayo  
o Carmacks  
YUKON  
o Whitehorse

N. W. T.

BRITISH  
COLUMBIA

o Prince Rupert

o Dawson  
Creek

o Prince  
George

ALBERTA

o EDMONTON

SASK.

o VANCOUVER

**MacDonald Consultants Ltd.**

*COIN CANYON MINES LTD.*

SCALE 1" = ±190 mi

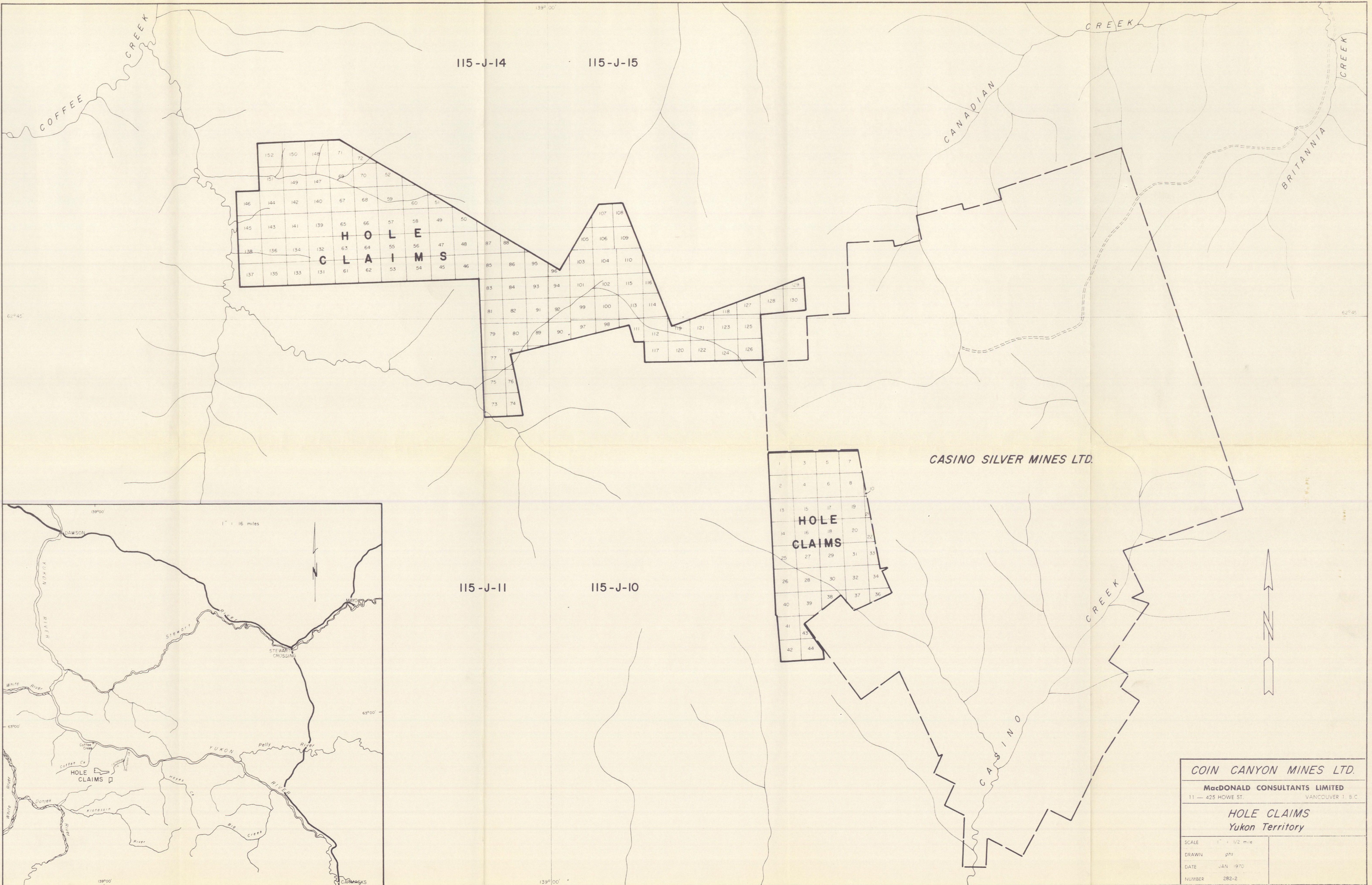
DRAWN ghs

DATE JAN. '70

NO. 282-1

*HOLE CLAIMS*

*LOCATION  
MAP*



**COIN CANYON MINES LTD.**  
**MacDONALD CONSULTANTS LIMITED**  
 11 - 425 HOWE ST. VANCOUVER 1, B.C.

**HOLE CLAIMS**  
 Yukon Territory

SCALE	1" = 1/2 mile
DRAWN	gms
DATE	JAN 1970
NUMBER	282-2