

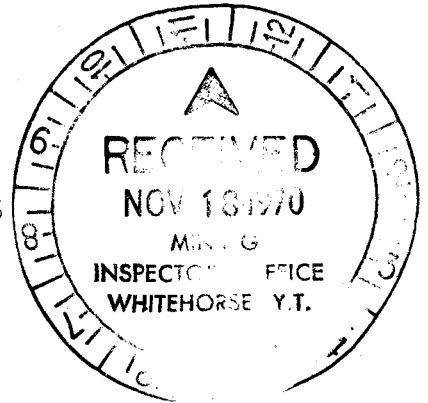


COIN CANYON MINES LTD.

GEOCHEMICAL REPORT on the
HOLE CLAIM GROUP

Claim Sheets: 115-J-10, 11, 14, and 15

WHITEHORSE MINING DIVISION -
Dawson Range, Yukon Territory.



62°43'N. 139°00'W.

BY: G. Gutrath, P. Eng.

DATE: October 16, 1970

This report has been examined by the
Geological Evaluation Unit and is recom-
mended to the Commissioner to be consid-
ered as representation work in the amount of
\$ 7219.71

D. B. Craig

Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

[Signature]

Commissioner of Yukon Territory

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Location and Claim Map	1" = 1/2 mile
Geochemical Map	1" = 1000 feet

COIN CANYON MINES LTD.

G E O C H E M I C A L R E P O R T

on the

HOLE CLAIM GROUP

Whitehorse Mining Division,
Dawson Range, Yukon Territory.

INTRODUCTION

Under the overall supervision of G. Gutrath, P.Eng., E.D. Dodson, P.Eng. examined the Hole Claim Group on October 25, 1969 and recommended in his Report of January 7, 1970 a geochemical soil and silt sampling program. The first phase of this program was completed by J.R. Lerner and N. Trenholme between July 15 and July 31, 1970.

GEOGRAPHY

(1) Location

The property is located at the north end of the Dawson Range, ten miles south of the Yukon River and 190 air miles northwest of Whitehorse. The coordinates of the property are 62°43'N and 139°00'W.

(2) Access

Access to the property is by helicopter from Whitehorse or Carmacks.

(3) Topography

The claim group covers a gently-rounded ridge between a tributary of Coffee Creek and Casino Creek. Elevations range from approximately 3,000 to 5,000 feet above sea level.

VEGETATION

There is scrub balsam to the 3,500 - 4,000 foot elevation and above that, on the south slope, grass and scattered areas of backbrush. The north slopes are normally covered by a thick mat of moss and a

VEGETATION (cont'd)

few stunted balsams. The perma-frost on the north slope is within a few inches of the surface.

HISTORY

Only a limited amount of prospecting was done in the Casino area prior to 1965. During 1965 and 1966, Casino Silver Mines carried out an exploration program on several lead-silver showings located near the head of Casino and Canadian Creeks. This work resulted in the discovery of a large copper porphyry prospect at the head of Canadian Creek. This prospect was extensively drilled in 1969 and 1970.

The Hole Claim Group is located on the western boundaries of the Casino Silver Mines' Claim Group. The area covered by the Hole Claim Group has probably been prospected in the past, but there is no evidence of more intensive exploration work. In July 1970, Coin Canyon Mines Ltd. prospected the claim groups and carried out a soil and silt sampling program.

GEOLOGY

(1) General

The northern Dawson Range geology was mapped by D.D. Cairnes in 1916 (Klotassin, Yukon Territory, Geological Survey of Canada, Publication No. 1702).

Cairnes mapping shows the area underlain by a basement of undifferentiated Precambrian rocks intruded by Cretaceous and Jurassic intrusive rocks ranging from granite to gabbro in composition with porphyritic phases.

(2) Property Geology

The southern Hole Group is predominantly underlain by intrusive rocks of granodiorite and monzonite compositions.

The western portion of the northern claim group is underlain by Yukon Group schists and gneiss, while the eastern portion is predominantly intrusive rocks of monzonite composition.

GEOLOGY (cont'd)

(3) Mineralization

Minor to trace amounts of pyrite is found disseminated in both the Yukon Group metamorphics and intrusive rocks.

GEOCHEMICAL SURVEY

(1) Survey Equipment and Analysis

The geochemical analysis was done by Vancouver Geochemical Laboratories Ltd., using the following equipment and procedure:-

Weight of sample used:	0.5 gm.
Samples sifted or ground to:	-80 mesh
Method of Analysis :	Instrument: Atomic Absorption
Extraction:	HClO ₄ and HNO ₃
Detection:	Techtron AA4 and AA5
Supervising Chemist:	L. Nicol
Checked by:	C. Chun

(2) Survey Performed

Soil Samples - the soil samples were collected with a stainless steel trowel from the "A" soil horizon at a depth varying from six inches to two feet. A total of 31 samples were collected across the southern claim group on an east-west baseline with sample intervals every 200 feet. These samples were analyzed for copper and molybdenum.

(3) Silt Samples

The silt samples were collected with a stainless steel trowel from the various streams draining the Hole Claim Groups. A total of 58 samples were collected and analyzed for copper and molybdenum.

RESULTS

Molybdenum: the molybdenum background is in the range of 4 ppm. The most significant molybdenum anomalous area is in the southern Hole Claim Group. The soil samples range as high as 15 ppm. molybdenum, and in the silt samples as high as 6 ppm. molybdenum. The other anomalous area is in the northern claim group on Hole Claim No. 73. The silt samples were as high as 9 ppm. molybdenum.

Copper: the copper background is in the range of 25 ppm. The most significant copper anomalous area is also coincident with the molybdenum anomalous area in the southern Hole Claim Group. The majority of the copper anomalous readings are from the silts collected from the main northwest stream cutting across the claim group. The silts range as high as 71 ppm. copper. There are only two anomalous soil samples and they both ran 30 ppm. copper. The second copper anomalous area is also coincident with the molybdenum anomalous area in the northern claim group on Hole Claim No. 73. The two anomalous silt samples ran 50 ppm. and 65 ppm. copper.

CONCLUSION AND RECOMMENDATION

The southern Hole Claim Group has a large molybdenum anomalous area coincident with a more restricted area of copper anomalous readings. It is recommended that a control grid with crosslines every 800 feet be cut and surveyed on the claim groups. Soil samples should be collected at 400-foot intervals and analyzed for copper and molybdenum. The resultant anomalous zone of most significance should be bulldozer-trenched and, if warranted, core drilled.

RESPECTFULLY SUBMITTED



Gordon C. Gutrath, .P. Eng.
Exploration Manager - Coin Canyon Mines Ltd.

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT No. 70-41-001 DATE August 10, 1970

SAMPLES SUBMITTED BY COMPANY Coin Canyon Mines

SHIPPED VIA Delivered FROM

REPORT ON 89 samples for Mo & Cu DATE SAMPLES ARRIVED August 5, 1970

* * *

COPIES OF THIS REPORT SENT TO:

TRANSMITTED BY:

(1) Coin Canyon Mines

(2)

(3)

SAMPLES SIFTED OR GROUND TO -80 MESH WEIGHT USED 0.5 g

FINAL VOLUME 10 ml ALIQUOT USED n/a

* * *

METHOD OF ANALYSIS: Instrumental - Atomic Absorption

EXTRACTION: HClO₄ and HNO₃

DETECTION: Techtron AA4 and AA5

SAMPLES ASSIGNMENT: (a) PREPARED SAMPLES: filed

(b) REJECTS: discarded

* * *

ANALYST(S) TYPIST hi.

SUPERVISING CHEMIST L. Nicol CHECKED BY C. E. HICKIN

COSTS:

nd = none detected

SHIPPING CHARGE \$ ----

SAMPLE PREPARATION \$ 17.80

ANALYSIS \$ 133.50

OTHER \$ ----

TOTAL \$ 151.30

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

70-41-001

COMPANY Coin Canyon Mines

REPORT No.

PAGE 1 OF 3

MARKING	Mo	Cu		
19001	(5)	7		
2	(5)	7		
3	(4)	14		
4	(6)	16		
5	11	15		
6	(8)	10		
7	(4)	15		
8	4	10		
9	(7)	11		
10	(8)	12		
11	1	10		
12	2	18		
13	2	20		
14	1	15		
15	(3)	17		
16	(5)	18		
17	(8)	16		
18	(3)	12		
19	(6)	17		
19020	(6)	21		

MARKING	Mo	Cu		
19021	(17)	20		
22	(11)	19		
23	(4)	19		
24	(6)	19		
25	(8)	(30)		
26	1	10		
27	(4)	16		
28	(3)	21		
29	1	11		
30	2	13		
31	2	17		
32	(3)	20		
33	(4)	(30)		
34	(10)	10		
35	(13)	17		
36	(15)	14		
37	(5)	10		
38	(4)	12		
19039	(3)	15		

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

70-41-001

COMPANY Coin Canyon Mines

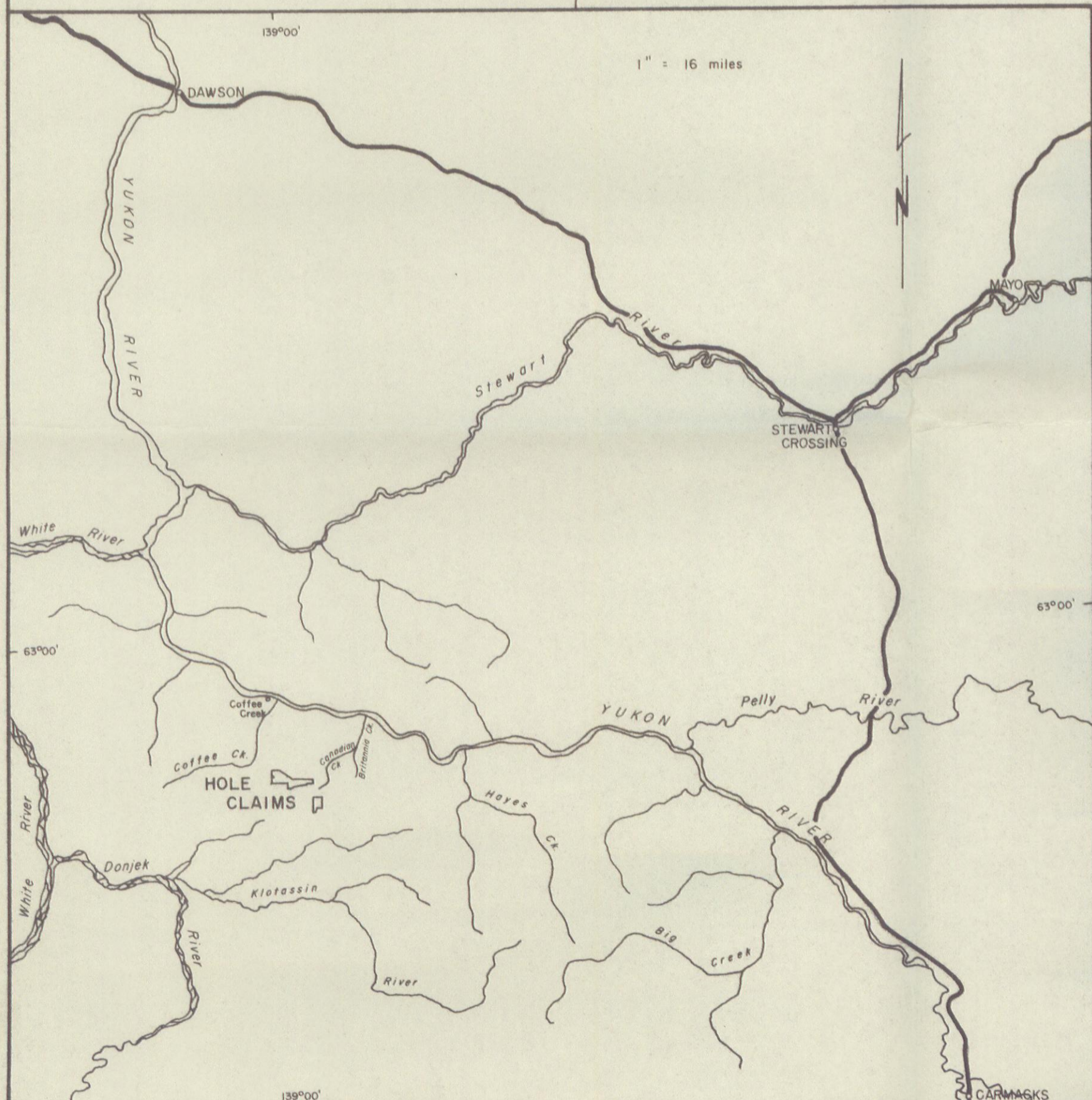
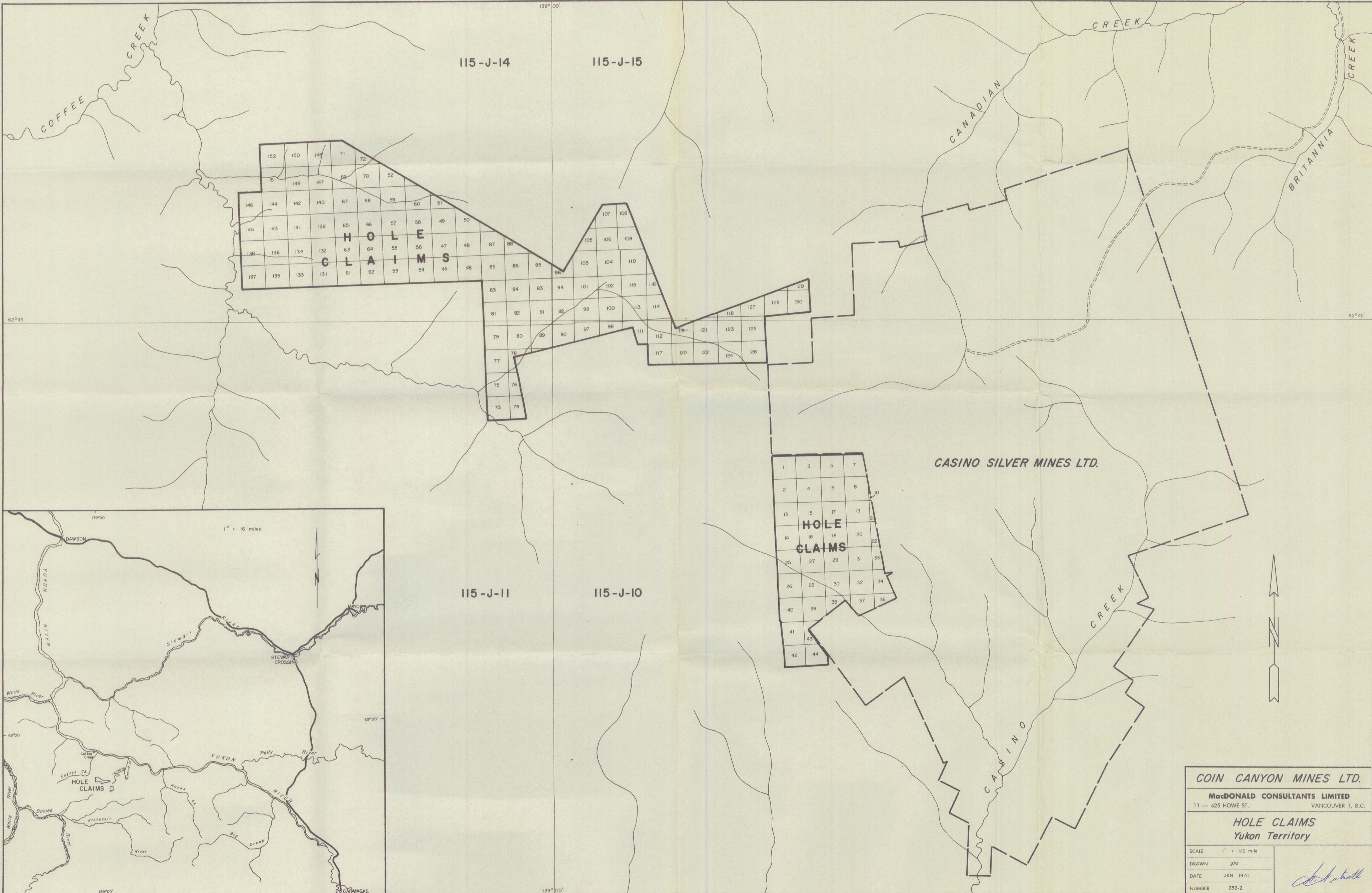
REPORT No.

PAGE 2 OF 3

MARKING	Mo	Cu		
19040	(3)	(63)		
41	2	16		
42	2	32		
43	2	18		
44	2	(29)		
45	(4)	21		
46	1	(71) ←		
47	2	(46) ←		
48 —	(6)	16		
49	1	(24)		
50	(3)	(25)		
51	1	15		
52	2	(24)		
53	2	20		
54	2	15		
55	1	11		
56	1	16		
57	1	17		
58	1	15		
19059	1	13		

MARKING	Mo	Cu		
19060	1	14		
61	1	11		
62	2	16		
63	2	16		
64	nd	12		
65	1	14		
66 —	(9)	(65) ←		
67 —	(7)	(50) ←		
68	2	10		
69 —	(9)	(57) ←		
70	4	14		
71 —	(8)	(72) ←		
72	4	(60)		
73	(3)	(30)		
74	2	10		
75	1	(30)		
76	1	15		
77	2	14		
19078	nd	13		

REMARKS



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

HOLE CLAIMS
Yukon Territory

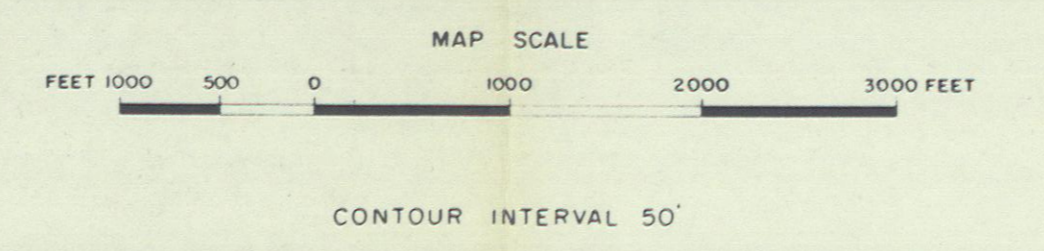
SCALE 1" = 1/2 mile
 DRAWN ghs
 DATE JAN 1970
 NUMBER 282-2

J. A. Hall



COIN CANYON MINES LTD.

**HOLE GROUP
YUKON TERRITORY**



LEGEND

Improved road	---
Secondary road	- - - -
Track or trail
Railway	—+—+—+—
Contour	———
Cut line	———
River	~~~~~
Stream	~~~~~
Intermittent stream	~~~~~
Supra	~~~~~
Spot elevation	▲ 450
Horizontal control	△ 514.8
Vertical control	▽ 470.57

**GEOCHEMICAL SURVEY
LEGEND**

- ANOMALOUS COPPER > 25 PPM.
- ANOMALOUS MOLYBDENUM > 3 PPM.
- 25/3 COPPER PPM / MOLYBDENUM PPM.
- SAMPLE LOCATION.

