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DUCK GROUP, Omineca Mining Division

BRITISH COLUMBIA

INTRODUCTION

The claim group discussed in this report is west of Duckling Creek, in the Omineca River area of British Columbia. The exploration work done on these claims during the period of August 2, 1966 and August 16, 1966, consisted of geological mapping, geochemical survey and prospecting.

The geological mapping was carried out by H. G. Mooney. Line cutting and soil sampling was done jointly by H. G. Mooney and J. J. Mooney.

LOCATION AND ACCESS

This group is located at Latitude 55° 54' N and Longitude 125° 23' W. These claims are about one mile west of Duckling Creek, nine and one-half miles north of the Omineca River, and approximately twenty-six miles west of Germansen Landing, B. C. Elevation ranges from 4000 ft. to 4700 ft. a.s.l. Occasional outcrops occur in the northeastern portion of the group with the balance covered by swamp or glacial debris. Average slope in soil survey area ranges from 5° to 10°. Vegetation consists of grass, balsam and jackpine.

A four wheel drive vehicle was used to a point 6 miles below Usilika Lake on the Germansen Landing - Discovery Creek road. From this point a Hiller 12 E helicopter was used to a base camp set up on Duckling Creek - about one mile east of the Duck Group.

FIELD PROCEDURES

Survey Lines and Base Map Control

A base line bearing N 35° E (T) was cut out with the grid lines spaced at 400 ft. intervals. The grid lines were run by compass and chained at 100 ft. intervals. Sufficient control was maintained to allow accurate plotting of the resulting lines. A base map with scale of 1 in. to 400 ft. was compiled from the survey notes.

Grid lines cover the following claims Ducks Nos. 1, 2, 3, 4, and 5, 9, 10, 11, 12, 13, 14 and a portion of Duck No. 4. Ground control was secured by pin pointing recognizable features on air photos and correlated to the base line.

### Geochemical Survey

The geochemical survey consisted of a careful soil sample survey. Samples were taken at 100 ft. intervals on lines 400 ft. apart. Over swampy areas, samples were taken at 500 ft. because of organic materials and poor soil development. Over the remainder of the area samples were taken from the "B" horizon which was generally well developed. These samples were assayed for total copper by the perchloric acid method by Robert McKay of Sanford Laboratories, Sanford, B. C. Results are plotted on maps 1 in to 400 ft.

### INTERPRETATION

#### Geochemical Survey

Over most of the survey area, representative samples of the "B" horizon could be obtained.

Background level for total copper in soil is considered to be about 40 to 70 ppm. Anomalous values occur mainly in the northeast section of the grid where they are partially associated with stream drainage and thinner overburden over a partially exposed syenite intrusive. Anomalous results in this area merit further investigation.

It was found impossible to obtain proper samples over the swamp areas and these results cannot be considered reliable.

Malcolm G. Mooney  
Malcolm G. Mooney

Box 260,  
Osyoos, B. C.  
June 5, 1967.

SCHEDULE OF COSTS

DUCK GROUP, August 2, 1966 to August 16, 1966

Supervision, Geology, Soil Sampling - M. G. Mooney

14 days @ \$25.00 per day - \$ 350.00

Line-cutting, Soil Sampling - J. J. Mooney -

14 days @ \$15.00 per day - 210.00

Use of Hiller 12E Helicopter - 125.00

Soil Sample Analysis by CANFORD LABS. - 320.85

TOTAL \$ 1005.85

Certificate of Competence

I, Malcolm G. Hooney, residing on Lakeshore Drive,  
Box 260, Osoyoos, B. C., certify that:

I am a graduate in geology from the University of  
British Columbia.

I have practised my profession since 1956.

I have been employed as project geologist with major  
mining companies for five and one-half years.

For the last three years I have been self-employed  
as an independent geologist.

Malcolm G. Hooney  
Exploration Geologist.

Box 260,  
Osoyoos, B. C.,  
June 5, 1967.

ADDENDA

DUCK MINERAL CLAIMS

GEOCHEMICAL REPORT .

- (1) Soil samples were taken with a spade , care being taken to reach the 'B' horizon . This depth averaged 8 to 10 inches .
- (2) Samples were packaged in paper bags with polyethylene liners and the locations duly noted .
- (3) These samples were processed by ROBT. McKay of CANFORD LABORATORIES , Merritt , B.C. THE samples were dried on trays in an electric oven under controlled temperatures . After drying , the samples were carefully screened with a stainless steel screen . Total copper content was then determined by using hot acid extraction and the Biquinoline Method.

M.G. MOONEY.

July 7/67.

Mr. Bely

This should complete everything.

Thanks. M. Mowmy

No 48162



MINERAL ACT

FREE MINER'S CERTIFICATE

NOT TRANSFERABLE

Surname BELCARRA EXPLORATIONS LTD (NPL)  
(Please print name)

Christian Names \_\_\_\_\_

Address 348 - 2nd Ave. Kamloops B.C.  
(Address in full)

Fee paid \$ 200.00 Date of issue June 1 19 67

Valid from midnight on the 31st day of May 19 67

Valid until midnight on the 31st day of May, 19 68

Issued at Kamloops \_\_\_\_\_ B.C.

\* Issue has the date of the day immediately preceding the date of issue.

Signature of issuing official

1. Ico Explorations (Western) Lim. d.  
185 Bay Street, Rm. 308  
Toronto 1, Ontario

Mr. Irving P. Moen,  
c/o Moen, McAusland & Co.,  
207-2nd Avenue,  
KAMLOOPS, B.C.

August 29, 1966

DATE

8-23/8044

ADVICE NUMBER

YOUR ACCOUNT HAS BEEN  CHARGED  CREDITED

RECORD MONTH

DESCRIPTION

AMOUNT

Charter of helicopter:

August 2, 1966 ----- 00:30 hrs.  
" 16, 1966 ----- 00:30 hrs.  
01:00 hr. @ \$125.00/hr.

\$125 00

*OK H 26  
Aug 29/66  
1/24*



DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA:  
To Wit:

In the Matter of

I, Malcolm G. Mooney  
of Box 260, Osoyoos B.C.

in the Province of British Columbia, do solemnly declare that I, agent for Belcarra Explorations Ltd, 248-2nd Ave., Kamloops B.C., have performed work on the Duck #128 to value of eight hundred dollars between Aug 2/66 to Aug 16/66. Particulars as follows.

<u>Malcolm G Mooney Geologist</u>	@ \$25 <sup>00</sup> /day	
	14 x 25	= 350 <sup>00</sup>
<u>J.J. Mooney</u>	line cutting & soil sampling @ \$15 <sup>00</sup> /day	
	14 days x 15	= 210 <sup>00</sup>

125<sup>00</sup>

Use of Hiller 12 E helicopter

Soil Sample Analysis

320.85<sup>-</sup>  
-----  
\$ 1,005.85<sup>-</sup>

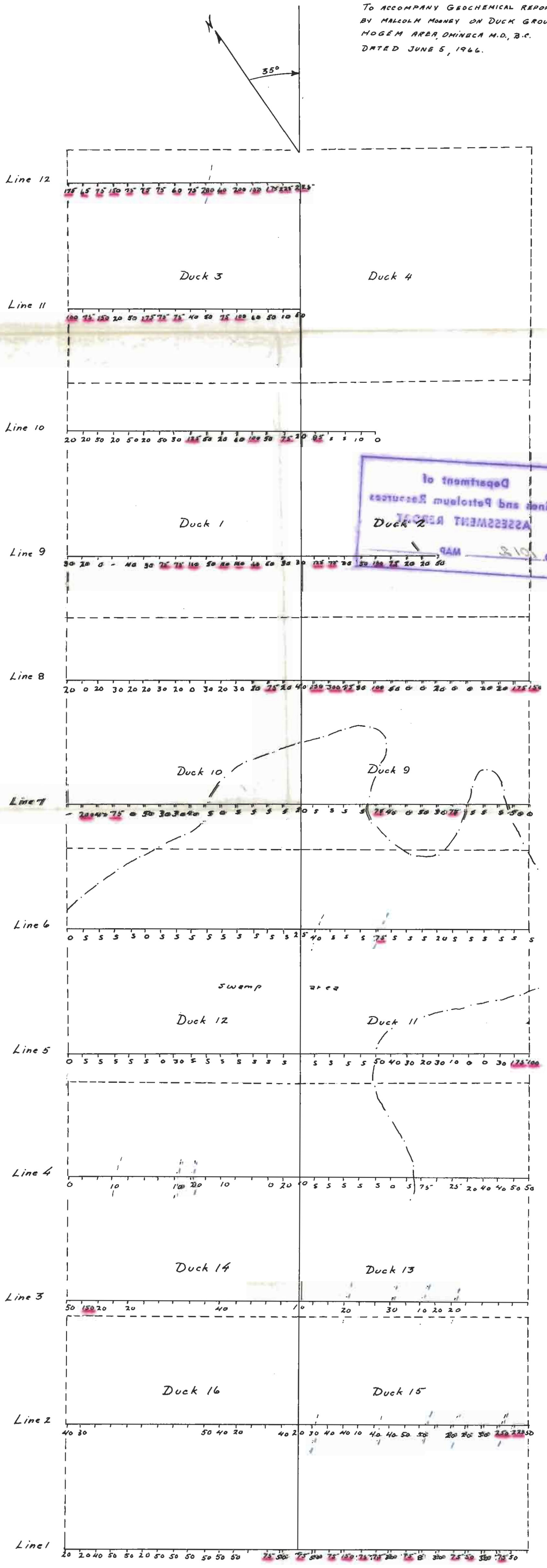
And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

DECLARED before me at the town  
of Smithers, in the  
Province of British Columbia, this 6  
day of June, A.D. 1967

Malcolm G. Mooney

Boley

TO ACCOMPANY GEOCHEMICAL REPORT  
 BY MALCOLM MOONEY ON DUCK GROUP,  
 HOGEM AREA, OMINACA M.D., B.C.  
 DATED JUNE 5, 1966.



--- STREAM  
 ■ ANOMALOUS  
 Scale: 1 INCH = 400 FT.

BELCARRA EXPLORATIONS LTD.  
 GEOCHEMICAL SURVEY  
 DUCK GROUP, OMINACA M.D., B.C.  
 JUNE, 1967. M. G. MOONEY

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