1092

Owner. ANACONDA AMERICAN BRASS LTD

Geochemical Report

CL Claim Group

by 92P/16W.

Peter E. Hirst

51°, 120° N.E.

October 4, 1967

Geochemical Report

CL Claim Group

Location:	Southwest of Corsica Lake, approximately 22 miles northwest of Clearwater, B.C. 51° N. latitude and 120° W. longitude
Analysis by:	Anaconda American Brass Ltd.
Report by:	Peter B. Hirst
Claim Owner:	Anaconda American Brass Ltd.
Work for:	Anaconda American Brass Ltd.
Date of Work:	October 7, 1966 - July 27, 1967

Geochemical Report

CL Claim Group

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MAPS

APPENDIX "A"

Statement of Costs of the Geochemical Survey

Line Cutting:		
Labour	13 man days	$ 253.82
Maintenance		65.00
Soil Sampling:		
Labour	23 man days	361.50
Maintenance		115.00
Sampling Supplies:		10.00
Analysis:	225 samples @ $1.86 each	418.50
	42 samples @ $1.50 each (molybdenum only)	61.00
Transportation:		250.00
Drafting:		50.00
Supervision:		100.00
	TOTAL	$1,684.82

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 City)
of Vancouver, in the) P. E. Hist
Province of British Columbia, this 5)
day of Oct. 1967 A.D.)

L. Jeannotte.
Sub-mining Recorder

APPENDIX "B"

Evidence of Expenditure Incurred

Name	Category	Rate/day	Days Worked: Sampling	Days Worked: Cutting Line	Wage
Herbert Bradshaw	Geologist	$25.00	1	1	$ 50.00
Hans Reich	Jr. Geologist	25.00	3	5	200.00
Cliff Pearson	Sampler	15.38	3	5	123.04
Ted Holtby	Sampler	13.46	8	1	121.14
Ron Watts	Sampler	13.46	8	1	121.14
				TOTAL	$615.32

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 City)
of Vancouver, in the) P. S. Hitt
Province of British Columbia, this 5)
day of Oct. 1967, A.D.)

L Jeannotte

A Notary Public for the Province of British Columbia

GEOCHEMICAL REPORT

CL Claim Group

Introduction

During the 1966 field season Anaconda American Brass Limited staked 8 claims in the Corsica Lake area of British Columbia. These claims have been grouped into the CL claim group for assessment purposes. The CL claim group consists of the following claims: CL 1, 3, and 5 - 10 inclusive.

A geochemical survey was made over these claims during the period October 7, 1966 - July 27, 1967. Lines were cut within the claim area and soil samples were taken at 100-foot intervals along the lines. Five men spent a total of 36 man-days cutting line and collecting samples. Field work was done under the general supervision of Peter E. Hirst and laboratory analysis was done in the Anaconda American Brass Ltd. geochemical laboratory at Britannia Beach.

Location and Access

The CL claim group is located southwest of Corsica Lake in the Kamloops Mining Division, B.C. (see Plate 1). The claims are approximately 22 miles northwest of Clearwater, B.C.

Access is provided by a logging road which leaves the North Thompson Highway at Clearwater.

Geology

The claim area is completely masked by an unknown thickness of glacial till and outwash sands and gravels. Government geological maps indicate that the area may be underlain by quartz monzonite.

Purpose of the Geochemical Survey

The geochemical survey was conducted to prospect the area for anomalous concentrations of metals in the woil which might indicate concealed mineralization worthy of further investigation.

Details of the Survey:

Chain and compass control lines were cut throughout the area to be sampled, and soil samples were collected at 100-foot intervals along these lines.

Samples were collected at depths of 4 to 10 inches in the podzolic B horizon. A limited number of samples were collected from swamps. All samples were sent to the geochemical laboratory at Britannia Beach for analysis.

Method of Geochemical Analysis

Samples were dried and then screened to minus 80 mesh. A one gram sample was then digested in hot acid from which standard acid solutions were prepared.

Separate aliquots of sample solution were analysed for copper, lead, zinc, and molybdenum. Molybdenum was determined by a colorimetric procedure whereby a colored organic complex is formed that is indicative of the relative metal control. This is accomplished by the reaction between molybdenum thiocyanate and stannous chloride in acid medium with the molybdenum thiocyanate complex being extracted by iso amyl alcohol. The metal content of the colored organic complex was determined by using a spectrophotometer to obtain the light transmittancy and comparing the values with a standard graph to obtain the respective parts per million.

Copper, lead, and zinc were determined by atomic absorption spectrophotometry using a Techtron AA-3 Atomic Absorption Spectrophotometer, type M-1, Serial No. 313. This unit consists of three major components, a hollow cathode lamp (separate lamps for each element), a burner-atomizer and a monochromator. The test solution is aspirated directly into the burner atomizer, and the respective transmittancy is read directly on a scale expansion unit on the monochromator. The respective metal contents are calculated by comparing the transmittancy with standard curves.

Results of the Geochemical Survey

A map on a scale of 400 feet per inch was prepared and is enclosed with this report (see Plate 2). It shows the values obtained in parts per million for molybdenum, copper, lead, and zinc. Organic samples are indicated by a solid circle, and non-organic samples are indicated by a single open circle.

Samples for line 0+00N were only run for molybdenum.

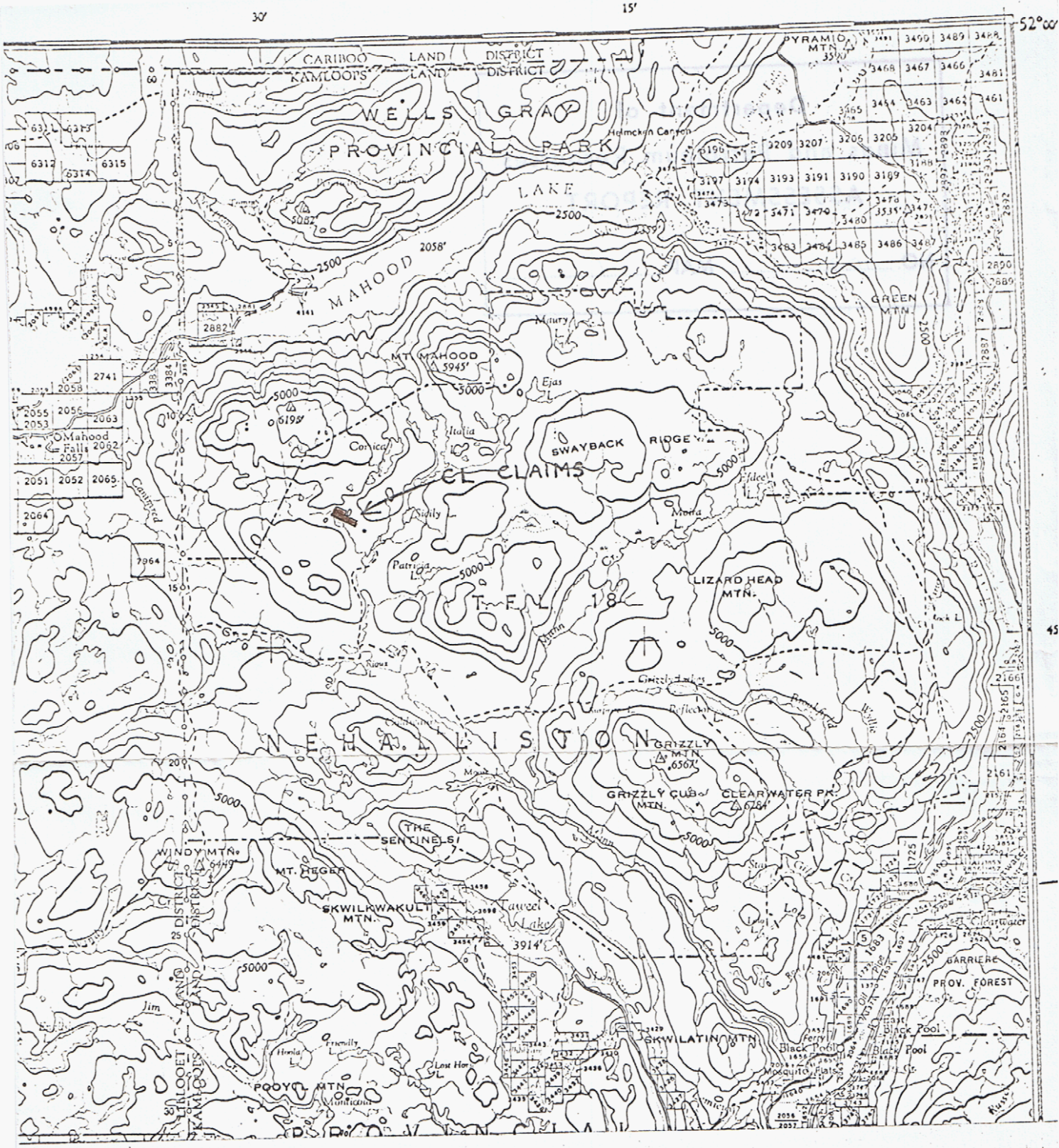
The geochemical survey has indicated that anomalous values in molybdenum are present, but whose significance remains to be determined.

Respectfully submitted,

P. E. Hirst

Peter E. Hirst, P. Eng.

October 4, 1967



ANACONDA AMERICAN BRASS LTD. WESTERN EXPLORATION DIVISION

LOCATION AND CLAIM MAP

CL CLAIMS KAMLOOPS M.D., B.C.

SCALE : 1" = 4 miles OCTOBER, 1967

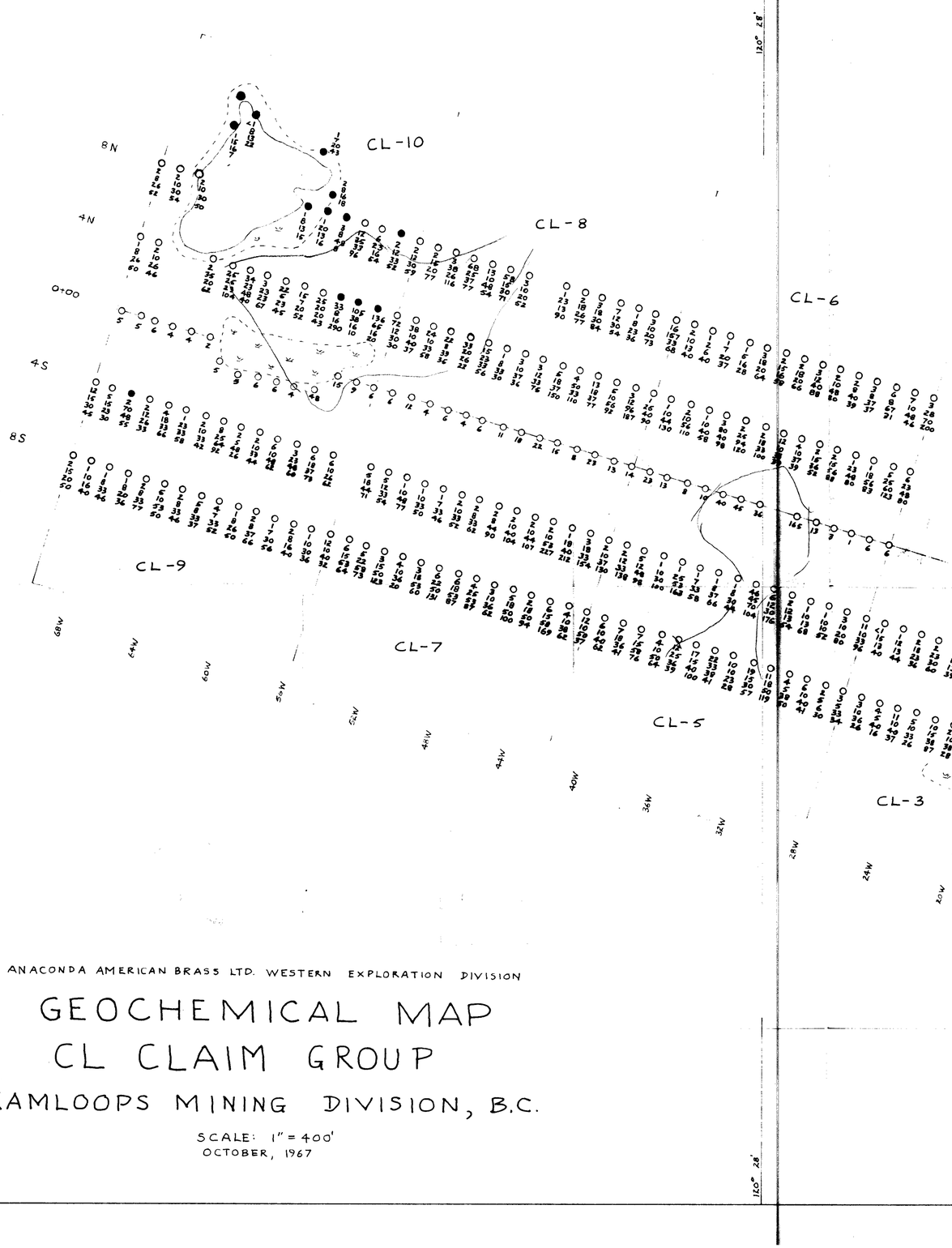
PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

P.E. Hirst Oct. 4, 1967

To accompany report titled:
"GEOCHEMICAL REPORT, CL CLAIM GROUP
Dated : October. 4, 1967
Submitted by : Peter E. Hirst, P. Eng.

PLATE 1

Plate 2



ANACONDA AMERICAN BRASS LTD. WESTERN EXPLORATION DIVISION

GEOCHEMICAL MAP
CL CLAIM GROUP
KAMLOOPS MINING DIVISION, B.C.

SCALE: 1" = 400'
OCTOBER, 1967

TO ACCOMPANY REPORT TITLED:
"GEOCHEMICAL REPORT
CL CLAIM GROUP

DATED:
OCTOBER 4, 1967
SUBMITTED BY:
PETER E. HIRST
(PROFESSIONAL ENGINEER)

N

P.E. Hirst
Oct. 4, 1967

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1092 MAP 1

O SOIL SAMPLE SITE
● ORGANIC SAMPLE

METAL VALUES ARE EXPRESSED AS PARTS PER MILLION IN THE FOLLOWING ORDER:
MOLYBDENUM
COPPER
LEAD
ZINC

1092