A GEOCHEMICAL REPORT

ON

THE BO GROUP OF MINERAL CLAIMS

CRISS CREEK, B. C. 50° 120° NW

BY

J. S. Ives, P. Eng.

FOR

NEWCONEX CANADIAN EXPLORATION LTD.

FROM MAY 1, 1967 TO JUNE 8, 1967

1124

TABLE OF CONTENTS

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I - INTRODUCTION:

This is a report on the work done on the BD group of claims in the Kamloops Mining Division of B. C. during 1967. Maps showing the topography and geochemical results have been prepared on a scale of 800 feet to the inch. These maps are in the envelope at the back of the report.

A list of personnel and expenses appears in the Appendix.

II - PROPERTY:

The BD group consists of twelve, located mineral claims, the BD Nos. 1 to 12 inclusive, held by T. J. McQuillan of 425 Howe Street, Vancouver 1, B. C.

III - LOCATION & ACCESS:

The claims are situated on Criss Creek at latitude 50°48' N, longitude 120°52' W in the Kamloops Mining Division. Access is via 28 miles of dirt road from Sevona, B.C.

IV - GEOLOGY:

(a) General Geology:

Criss Creek has cut through the Miocene volcanics to expose Miocene and Cenozoic rocks. The Mesozoic Nicola series outcrop mostly west of the creek, and Mesozoic to Cenozoic conglomerates and shales in, and near the creek. Several granitoid plugs, late Cretaceous or Tertiary in age, cut the conglomerates and shales.

(b) Local Geology:

A northwesterly flowing tributary of Criss Creek exposes a northwesterly trending fault which cuts not only the conglomerates and shales, but also a granitoid plug. A study of air photos indicates that the fault strikes at 315° and has a steep to vertical dip. Intermittent exposures and airphotos indicate that the fault zone has a strike length in excess of 5,000 feet and a width of, at least, 150 feet. Numerous veins and stringers of quartz, mostly parallel or sub-parallel to the shearing and having steep northeasterly dips occur in the fault zone. Although the quartz veins are not themselves sheared or ribbon quartz, they contain up to five percent sulphides. No sulphide mineralization was observed in the wall rocks. The sulphides consist chiefly of pyrite with minor molybdenite plus traces of galena, sphalerite, tetrahedrite, and chalcopyrite. The quartz veins,

as well as the schistose fault material, are, in places, strongly weathered and oxidized with vug holes indicating leaching.

V - GEOCHEMICAL SURVEY:

(a) The Grid:

The base line used for the survey was run at 315° parallel to, and in the vicinity of the fault zone. Cross lines were cut at 400-foot intervals and extended well beyond the claims group. Base lines and cross lines were surveyed by chain and compass. Survey lines and geochemical results are shown on the accompanying geochemical plan.

(b) Sampling and Assaying:

Soil samples were collected at 100-foot intervals in the vicinity of the fault zone and at 200-foot intervals elsewhere. The samples were carefully dried and screened and shipped to Coranex Limited of 1521 Pemberton Avenue, North Vancouver, B. C. for molybdenum determinations.

VI - RESULTS & CONCLUSIONS:

Background runs from 1 to 2 Mo in p.p.m. only a very few soil samples, erratically distributed on the claims group, and surrounding claims exceeded background. The high-

est determination obtained was 5 p.p.m. in Mo. The granitoid plug which occurs on the claim group and surrounding claims gave no anomalous determinations.

Although the property appeared to be a good molybdenum prospect the results obtained indicate that it is not sufficiently mineralized to warrent any further work.

Respectfully submitted,

J. S. Ives, P. Eng.

DATED at Vancouver, B. C.,
October 20th, 1967.

GEOCHEMICAL REPORT ON THE BO. GROUP OF MINERAL CLAIMS.

METHOD OF SOIL SAMPLING.

I. INSTRUMENT.

Specially designed spade to dig up soil and tranfered to sample bag with stainless steel trowel.

2 All samples taken below Humus, soil type, mostly sandy.

3 Samples packaged in heavy paper bags supplied by laboratory and after drying tranfered to new sample bags.

4 Samples where dried suspended over a low heat, drying time from I2 to I6 hours depending on moisture in samples. A 80 mesh stainless steel screen 8 inches in diameter completely sealed used for screening.

5 Analytical method used in Geochemical analysis for acid soluble Molybdemum in soil and silt samples.

Method. (I) Digestion.

(a) I.00 gram of the - 80 mesh samples.

(b) Samples are heated in a sand bath with nitric and perchloric acids and later with hydrochloric acid.

(c) The digested samples diluted with water to a fixed volume.

(2) Molybdenum analysis.

(a) Ammonium thiocyanate solution to complex ions.

(b) Stannous choride solution as reducing agent.

(c) Iso-propyl ether for extraction.

(d) A Bausch & Lomb Spectronic 20 Colourimeter for reading molybdenum concentration.

APPENDIX I

EXPENDITURES & DISTRIBUTION

MAY 1 TO JUNE 8, 1967

A - CREW:

Employee	Classification	Wage Rate	Time	Total Wages
J. S. Ives Vancouver	Geological Engineer	$1,000 per mo.	½ mo.	$ 500.00
A. J. Tead Vancouver	Field Scout	450 per mo.	1 mo.	450.00
E. B. Nicol Lillooet	Helper	350 per mo.	1 wk.	87.50
M. E. Nicol Lillooet	Helper	350 per mo.	1 mo.	350.00
F. Froste Wallachin	Line Cutter	Contract & day rate	19 days	437.50
L. Ferguson Kamloops	Line Cutter	Contract	19 days	437.50
		Total Wages		$2,262.50

B - FOOD ETC.: $258.89 — 258.89

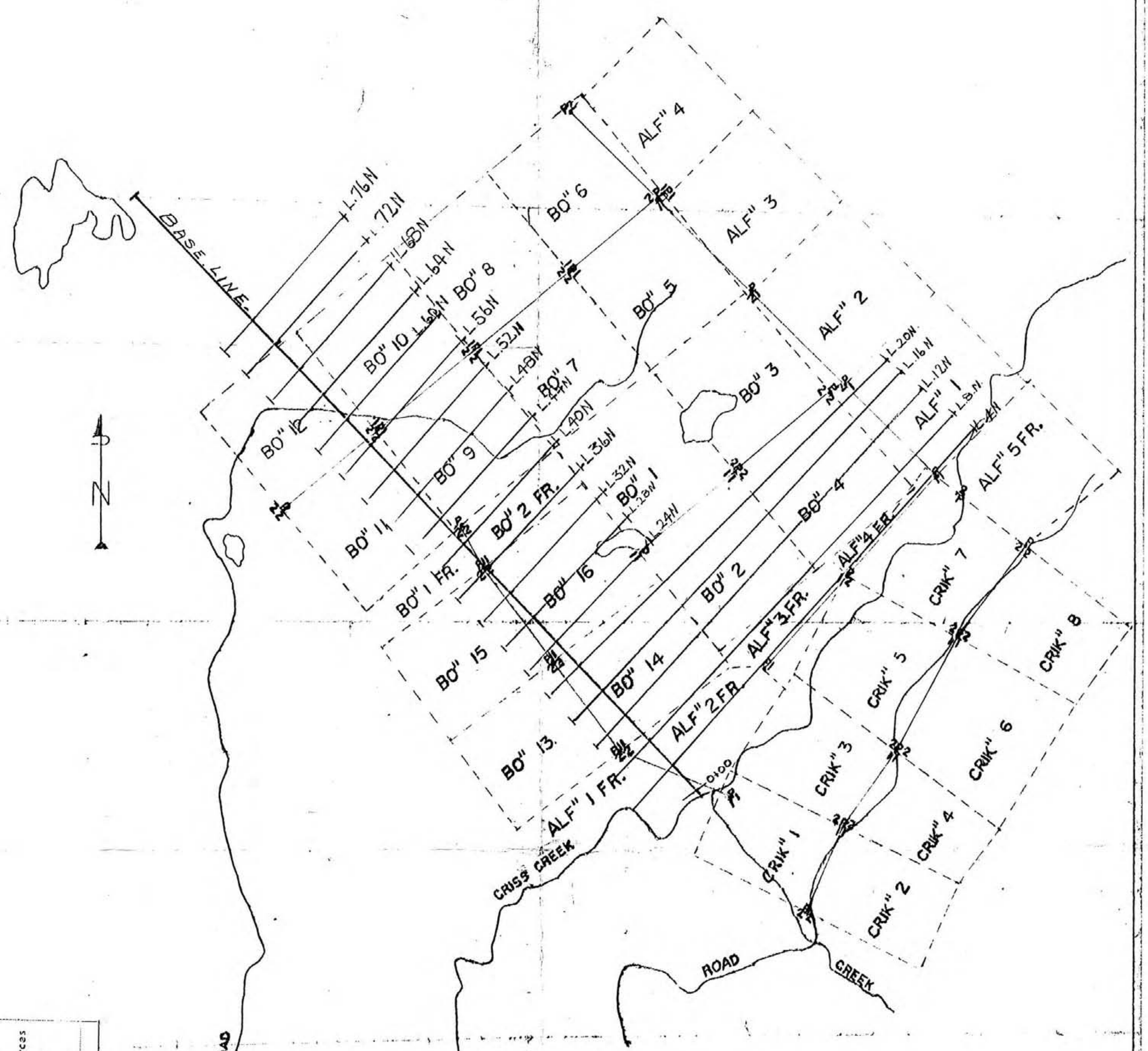
C - RENTALS:

Tilden Truck Rental — 215.97

D - MOLYBDENUM DETERMINATIONS:

231 soil samples @ $1.25/sample — 288.75

Total — $3,026.11



Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1124 MAP 1

1124

NEWCONEX CANADIAN EXPLORATION LTD.
VANCOUVER . B.C.

CRISS CREEK PROJECT.

LOCATION MAP OF BO-CRIK & ALF CLAIMS
SCALE 1" = 800' DATE JUNE 1967
SURVEY BY A.J.TEED. DRAWN BY A.J.TEED.
To Accompany Report on the BO Group of Mineral Claims, Criss Creek, B.C. by J.B.Iues.

8,000 W

4,000 W

0+00

4,000 E

8,000 E

8,000 N

4,000 N

0+00

4,000 S

8,000 S

TRUE

CRISS CREEK

LAKE

LAKE

BASE LINE

∠76N ∠72N ∠68N ∠64N ∠60N ∠56N ∠52N ∠48N ∠44N ∠40N ∠36N ∠32N ∠28N ∠24N

∠20N ∠16N ∠12N ∠8N ∠4N

∠-45 ∠-85 ∠-125 ∠-165 ∠-205 ∠-245 ∠-285

ROAD

BASE LINE

BASE LINE

MAIN ROAD

CRISS CREEK

LOGGING ROAD

TO SAVONA

LEGEND

MAIN LOGGING ROAD

SPUR LOGGING ROAD

2 1 1 3 4
Mo in p.p.m.

NEWCONEX CANADIAN EXPLORATION

VANCOUVER, B.C.

CRISS CREEK PROJECT

GEOCHEMICAL SURVEY

SCALE: 1 INCH = 800 FEET DATE: JUNE 12, 1967

DRAWN BY: J. S. IVES J. S. Ives

To accompany report on the 1967 geochem. by J. S. Ives

J. S. Ives

1124