

008575

92H/15E

92H-NE-166-07

Property File

GEOLOGICAL REPORT

ON THE

KENTUCKY LAKE PROPERTY

OF

CRIPPLE CREEK RESOURCES LTD (NPL)

NICOLA M.D. 92 H 15 E

December 3, 1973
Vancouver, B.C.

Laurence Sookochoff, P.Eng.
Consulting Geologist

TABLE OF CONTENTS

	<u>PAGE</u>
SUMMARY	(i)
CONCLUSIONS	(iii)
RECOMMENDATIONS	(iii)
INTRODUCTION.....	1
PROPERTY.....	2
OWNERSHIP.....	2
LOCATION.....	2
ACCESS.....	2
TOPOGRAPHY.....	3
WATER.....	3
POWER.....	3
TRANSPORTATION.....	4
HISTORY.....	4
GEOLOGY.....	5
MINERALIZATION.....	6
EXPLORATION AND DEVELOPMENT PROGRAMME.....	6
COST OF RECOMMENDED EXPLORATION AND DEVELOPMENT PROGRAM.....	7
REFERENCES.....	9
CERTIFICATE.....	10

LIST OF ILLUSTRATIONS

SCALE

Location Map

1" = 136 miles

Claim Map

1" = 3000 feet

Geology

1" = 1/4 mile

SUMMARY

The Kentucky Lake property of Cripple Creek Resources Ltd consists of 24 claims situated 32 miles north of Princeton, B.C.

The claims are located on the Bluey Lake road which is two miles east of the paved No. 5 Princeton-Merritt Highway.

The property lies approximately at 3,500 feet elevation.

A power line passes within one mile of the property.

Railhead facilities are available at Princeton or Merritt.

Prior to and early in the 1900's placer gold and numerous base-metal occurrences were found in the Princeton-Merritt area. Many of the occurrences were explored by pits, trenches, shafts and adits.

In 1973 Cripple Creek Resources acquired 24 claims which cover some of these old workings.

Gold River Mines and Enterprises is presently carrying out an exploration program on a property to the north of and adjoining the Kentucky Lake property.

The Nicola group of rocks comprised mainly of massive green and red andesitic flows predominate on the property. Dioritic intrusive rocks are found on the southern portion.

Major northerly trending faults pass through the property.

Old workings on a mineralized zone are found on the most easterly of these faults.

Mineralization, as observed by the writer, occurs as disseminations and massive stringers of chalcocite within the massive green sequence of the Nicola rocks.

Other types of mineralization common to the area are of chalcopyrite, bornite, chalcocite and native copper within shear zones in the Nicola rocks or in association with the dioritic intrusives.

INTRODUCTION

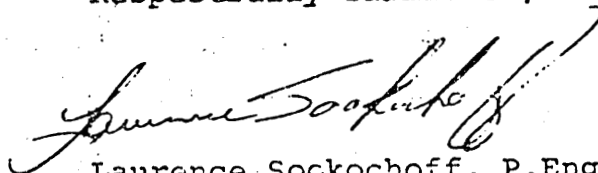
The following report has been compiled from information obtained from an examination of the property on November 23, 1973 and from pertinent information of government publications. Due to the snow cover at the time of examination many of the old workings on the property were not located.

The purpose of the examination was to note the general geological features and to assess the potential of the property for the presence of economic zones of mineralization.

and geochemical surveys.

It is also recommended that Cripple Creek Resources Ltd (NPL) allocate \$37,000 to initiate and execute the recommended exploration and development programme.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read 'Laurence Sockochoff', written in dark ink.

Laurence Sockochoff, P.Eng.
Consulting Geologist

December 3, 1973
Vancouver, B.C.

INTRODUCTION

The following report has been compiled from information obtained from an examination of the property on November 23, 1973 and from pertinent information of government publications. Due to the snow cover at the time of examination many of the old workings on the property were not located.

The purpose of the examination was to note the general geological features and to assess the potential of the property for the presence of economic zones of mineralization.

PROPERTY

The property consists of 24 contiguous mineral claims held by location. They are as follows:

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>EXPIRY DATE</u>
Den 1-24 inc.	59372 - 59395 inc.	October 17, 1974

The property will be referred to as the Kentucky Lake property hereafter.

OWNERSHIP

The Den 1-24 claims are owned by Cripple Creek Resources Ltd (NPL) of Vancouver, B.C.

LOCATION (50°52' N 120°35'W)

The Kentucky Lake property is located 16 miles south of Merritt and 32 miles north of Princeton within the Nicola Mining Division of southern British Columbia.

ACCESS

Access to the property is via the Kentucky Lake-Bluey Lake road branching off the paved No. 5 highway 32 miles north of

Princeton.

The Bluey Lake road, which parallels the highway two miles to the east, passes through the eastern portion of the property and provides access to the old workings.

TOPOGRAPHY

The topography is relatively gentle with elevations varying within 200 feet of 3,500 feet above sea level. Moderate stands of lodge pole pine prevail on the property.

WATER

Water for all phases of exploration and development is available within the immediate vicinity of the property.

POWER

Diesel-electric power would be required for the initial phases of development.

A power line passes within one mile of the western boundary of the property.

TRANSPORTATION

Railhead facilities are available at either Merritt or Princeton.

HISTORY

Prior to and early in the 1900's when the region from south of Princeton to Kamloops was being thoroughly prospected as a result of occurrences of placer gold as well as hi-grade base metals, the area extending eight miles north of Missezula Lake and including the Kentucky Lake area received much attention. Numerous adits, pits, trenches and shafts which explore mineralized zones are found scattered throughout this area. On the Kentucky Lake property of Cripple Creek Resources, there occurs an adit, trenches and pits which explore mineralization within the Nicola rocks.

The general area of the Kentucky Lake property is presently undergoing exploration or examination by various companies.

Gold River Mines and Enterprises Ltd is presently undertaking an exploration program on a property to the north of and adjoining the Kentucky Lake property.

GEOLOGY

The Nicola group of rocks of upper Triassic age predominate within the Kentucky Lake area and are part of the Nicola Belt stretching from south of Princeton to north of Kamloops Lake. On the Kentucky Lake property which lies within the central part of the Belt, the rocks are comprised of massive andesitic flows and coarse pyroclastic rocks. Volcanic breccia, volcanic conglomerate, and lahar deposits predominate with a division into a green to gray green sequence (Unit 1) and a red to purple sequence (Unit 2). Dioritic intrusive rocks outcrop on the southern portion of the property. They are of similar composition to , and have gradational relationships with the Nicola rocks.

Two large scale northerly trending (35° - 005°) faults occur on the property. The fault system is part of the Alle e-Kentucky regional fault system. The major faults are linked by northeasterly to northwesterly splay faults.

Prominent fault scarps on the property reflect the major

faulting in the area.

MINERALIZATION

Mineralization occurs as chalcopyrite, bornite and chalcocite as disseminations and stringers within fracture zones of the massive volcanic sequences of the Nicola volcanics. Similar mineralization, including native copper, occurs in association with diorite in this general area.

The writer observed fine disseminated chalcocite in a green altered volcanic rock from a shaft located on the property.

A grab sample with a stringer of massive chalcocite also was picked up from the same area.

EXPLORATION AND DEVELOPMENT PROGRAMME

The exploration and development programme on the Kentucky Lake property of Cripple Creek Resources Ltd should be designed to explore and assess the potential of the known mineralized zones on the property in addition to locating additional areas of interest.

Initially a geophysical programme comprised of an I.P., E.M. and magnetometer survey should be carried out over the claim group to delineate areas of prime interest.

A geochemical survey along with geological mapping would be useful in interpreting and establishing any correlative significance to the geophysical results.

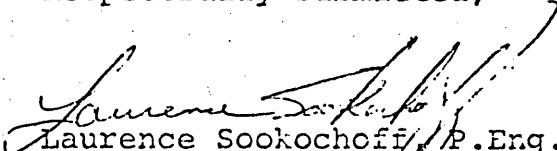
Upon the completion of the above programmes, diamond drilling to test the anomalous zones should be undertaken.

COST OF RECOMMENDED EXPLORATION AND DEVELOPMENT PROGRAM

E.M. Survey	20 miles @ \$100/mile	\$ 2,000.
Magnetometer Survey	20 miles @ \$100/mile	2,000.
I.P. Survey	20 miles @ \$400/mile	8,000.
Geological Mapping		2,500.
Geochemical Survey	1000 samples @ \$4.50	4,500.
Diamond Drilling	1000 feet @ \$8.00	8,000.
Engineering and Supervision		5,000.
Field Expenses		2,000.
Assaying		500.
Contingencies		<u>2,500.</u>
TOTAL COST		<u><u>\$37,000.</u></u>

It is estimated that the recommended exploration and development program would take three months to complete.

Respectfully submitted,


Laurence Sookochoff, P.Eng.,
Consulting Geologist

December 3, 1973
Vancouver, B.C.

REFERENCES

B.C. Department of Mines and Petroleum Resources,

Preliminary Map No. 10, February 1973,

Preliminary Geological Map of the Aspen

Grove Area, British Columbia.

Rice, H.M.A. Geology and Mineral Deposits of the

Princeton Map-Area, Geological Survey of Canada,

Memoir 243, 1960.

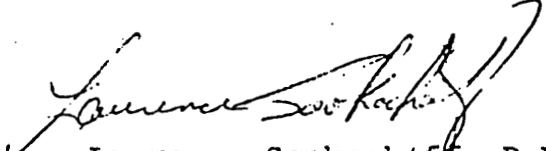
CERTIFICATE

I, LAURENCE SOCKOCHOFF, of the City of Vancouver, in the Province of British Columbia, do hereby certify:

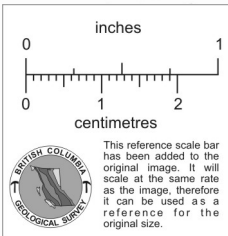
That I am a Consulting Geologist and am an associate of T.R. Tough & Associates Ltd., with offices at 519-602 West Hastings Street, Vancouver 2, B.C.

I further certify that:

- 1. I am a graduate of the University of British Columbia (1966) and hold a B.Sc. degree in Geology.
- 2. I have been practising my profession for the past seven years.
- 3. I am registered with the Association of Professional Engineers of British Columbia.
- 4. The information derived for this report was obtained from: a personal property examination on November 23, 1973 and from government publications.
- 5. I have no direct or indirect interest whatsoever in the property described herein, nor in the securities of Cripple Creek Resources Ltd., and do not expect to receive any interest therein.


 Laurence Sockochoff, P.Eng.,
 Consulting Geologist

December 3, 1973



Clarence A. Tapp

T.R. TOUGH & ASSOCIATES LTD
 CRIPPLE CREEK RESOURCES LTD (N.P.L.)
 DEN CROUP
LOCATION MAP

SCALE 1" = 136 MILES
 NOV. 1973



ALLEYNE
LAKE

MINER
LAKE

KENTUCKY
LAKE

One mile to Highway
No. 5 and 30 miles
to Princeton.

DEN 2	DEN 1	DEN 23	DEN 24
DEN 4	DEN 3	DEN 21	DEN 22
DEN 6	DEN 5	DEN 19	DEN 20
DEN 8	DEN 7	DEN 17	DEN 18
DEN 10	DEN 9	DEN 15	DEN 16
DEN 12	DEN 11	DEN 13	DEN 14

Power Line

inches

centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

General Sec. 2000

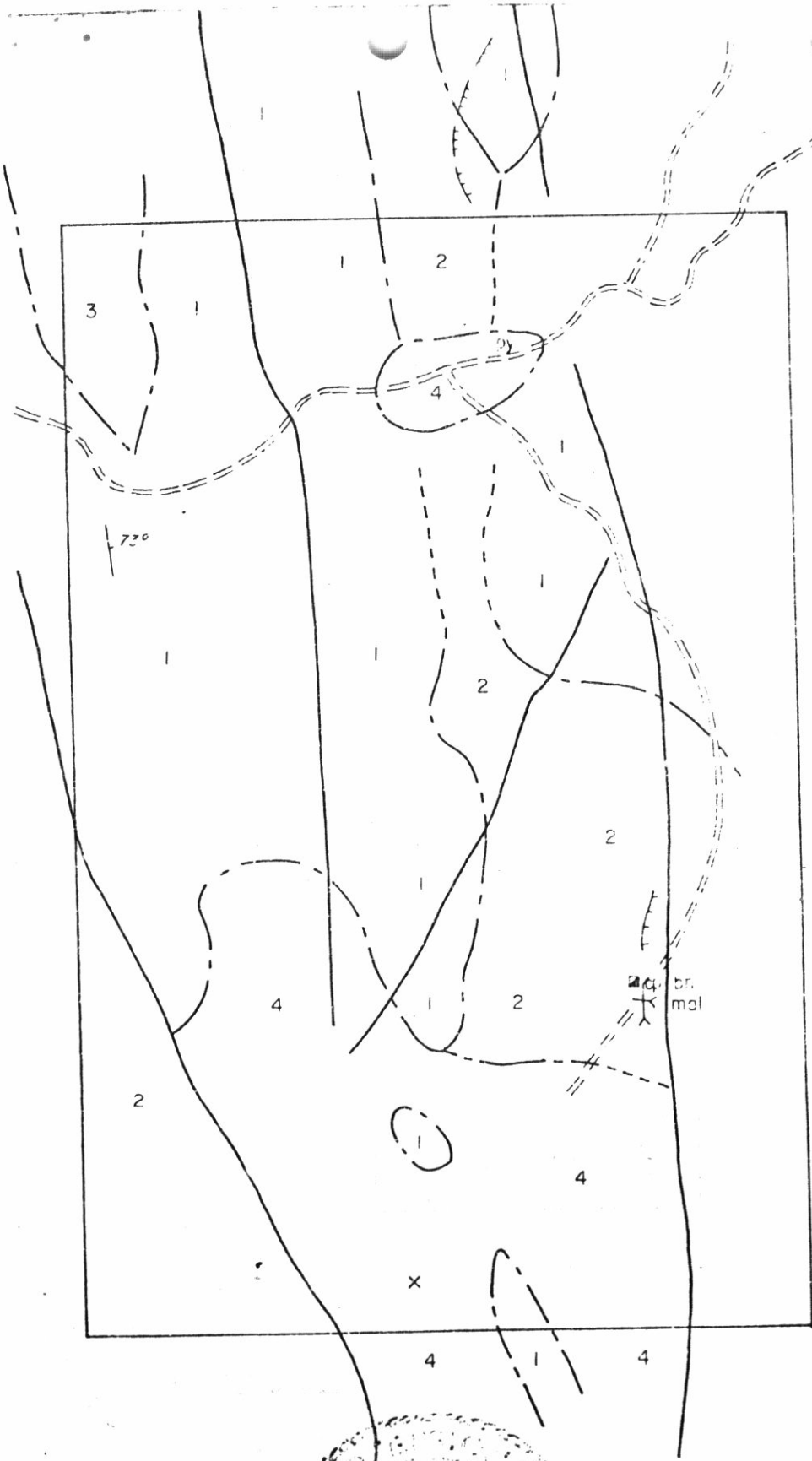
RECEIVED

OF

BRITISH COLUMBIA
MINERAL RESOURCES LTD
MONTREAL QUEBEC CANADA

CLAIM MAP

SCALE
Feet 3000 3000 feet



KENTUCKY LAKE

LEGEND

- UPPER TRIASSIC
MIOCENE - UP
- 1 Volcanic breccia, conglomerate and Lahar deposits - massive red sequence
 - 2 Volcanic breccia, conglomerate and Lahar deposits - massive green sequence
 - 3 Massive and amygdaloidal sugite porphyry - green sequence
- LOWER JURASSIC (?)
- 4 Diorite - fine grained diorite - in part re-crystallized volcanic rocks
- Geological boundary (defined, approximate, or assumed)
- 73 Bedding
- Fault or major lineament
- A Scarp
- X Prospect (pit, trench, adit, shaft)
- cp, br, mal Mineral occurrence (chalcopyrite, bornite, malachite)

James M. Saw. Hall

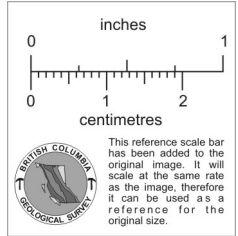
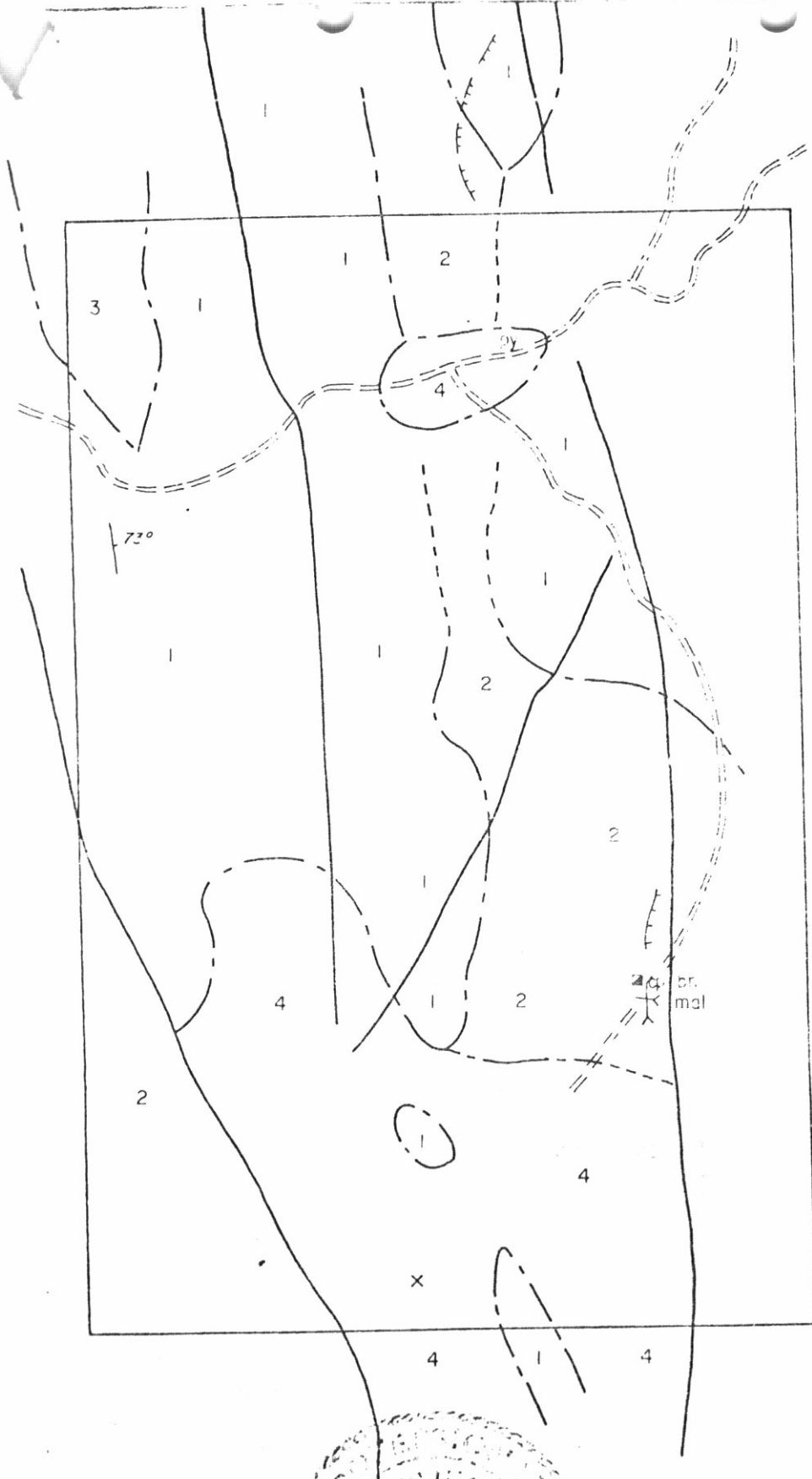
BRITISH COLUMBIA
 GEOLOGICAL SURVEY

GEOLOGY

SCALE
 1/4 Mile

Mile 1/4

After BC Dept of Mines preliminary map No 10



LEGEND

- UPPER TRIASSIC
- MICROCENOSIEN
- 1 Volcanic breccia, conglomerate and later deposits - massive red sequence
- 2 Volcanic breccia, conglomerate and later deposits - massive green sequence
- 3 Massive and amygdaloidal sugary porphyry - green sequence
- LOWER CRETACEOUS (?)
- 4 Diorite - fine grained diorite - in part fine crystallized volcanic rocks

- - - Geological boundary (defined, approximate, or assumed)
- X/73 Bedding
- Fault or major lineament
- Scarp
- X/□ Prospect (pit, trench, adit, shaft)
- op, or, mal Mineral occurrence (chalcocyanite, hornite, malachite)

James S. ...
 BRITISH COLUMBIA
 DEPARTMENT OF MINES
 1963

PROPERTY OF THE
 BRITISH COLUMBIA DEPARTMENT OF MINES

GEOLOGY

SCALE
 1/4 Mile

Mile 1/4