

4604

82E/5E Hill
GEOCHEMICAL REPORT

ON A

PRELIMINARY SOIL SAMPLING SURVEY

ON THE

TWIN LAKES PROPERTY

OF

CRIPPLE CREEK RESOURCES LTD. (NPL)

OSOYOOS M.D. 92 E 1

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. 4604 M.P.
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September 12, 1973
Vancouver, B.C.

Laurence Sookochoff, P. Eng.

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Scale
1" = 100'

INTRODUCTION

On August 24 and 27 1973, a limited soil sampling program was carried out for Cripple Creek Resources Ltd. (NPL) over a portion of the ~~Mill~~^H group of claims.

The objective of the limited survey was to test the procedure for locating gold bearing quartz veins.

A total of 105 samples were collected over the Hill 3 and 5 mineral claims.

PROPERTY

The property is comprised of four located mineral claims which are as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>
Hill 2 - 5 inc.	29668 - 71 inc.	September 15, 1973

The claims are held under option by Cripple Creek Resources Ltd. (NPL).

LOCATION AND ACCESS (119° 43' W 49°17' N)

The property is within the Osoyoos Mining Division of south-central British Columbia and is situated four miles south of a junction from the Keremeous - Kaleden highway eight miles north of Keremeous.

Access is via a good gravel and dirt road to the property.

GEOLOGY

The claim group covers an area of the Osoyoos granitic intrusion and on the property is represented as a medium grained hypidiomorphic granular gray granodiorite. A number of northwest trending narrow shear zones are found on the property and the

granodiorite generally exhibits a variable schistosity in this direction.

Mineralized irregular quartz veins occur within the shear zones. Other generally parallel and less prominent quartz veins which may carry light sulphides are found throughout the property.

GEOCHEMICAL SURVEY

A total of 105 samples were picked up over a 50 foot grid. The grid was so spaced because of the localized structures carrying the mineralized quartz veins and the possibility of tracing the mineralized zones would be increased.

The selected area for sampling was over a fracture zone containing a mineralized quartz vein.

The samples were taken with a shovel at a depth of 12 - 18 inches from the light brown B horizon of a brown forest soil. The samples were put in conventional brown soil sample bags.

The samples were assayed for silver by Bondar-Clegg and Company Ltd. of North Vancouver, B.C.

The samples were screened to -80 mesh and hot aqua regia was used for extraction.

RESULTS

The results are shown on the accompanying map and ranged from 0.4 to 1.7 ppm Ag. A statistical analysis of the samples disclosed a mean background value of 0.6 ppm Ag with 0.8 ppm Ag considered to be anomalous.

A contour of the anomalous values was drawn and revealed a series of anomalous zones trending northeasterly to easterly.

The exposed mineralized quartz vein trends northeasterly approximately along the base line from 2 + 00 N with the topography sloping moderately to the southeast.

Anomaly "A" appears to be the most interesting. It could indicate a steeply dipping vein structure parallel along 200 E with mineralization from 0 + 00 N to 1 + 00 N.

Anomaly "B" in part can be a reflection of the known vein and the anomalous values along line 50 W can be caused by the mobility of Ag ions although this seems unlikely taking into consideration of the low mobility of Ag and the topography.

Anomaly "C" could again be due to a quartz vein carrying mineralization within a more extended structure.

The exposed vein at the base line and at 2 + 00 N dips to the north. If the dip is constant and taking into consideration the topography in the vicinity, anomaly "A" and "B" may reflect the same structure with mineralization over 250 feet in anomaly "A" and 150 feet in anomaly "B".

CONCLUSIONS

The soil sampling program was successful delineating known mineralized zones on the property and therefore any other anomalous area should be a reflection of mineralized zones.

Gold is the mineral sought in this area however silver, as an association, was useful in outlining zones of interest.

As the structures and veins are relatively narrow, a number of parallel zones may be indicated by the "A" and "B" anomaly and anomaly "C".

Respectfully submitted,



Laurence Sookochoff, P. Eng.

September 12, 1973
Vancouver, B.C.

STATEMENT OF COSTS

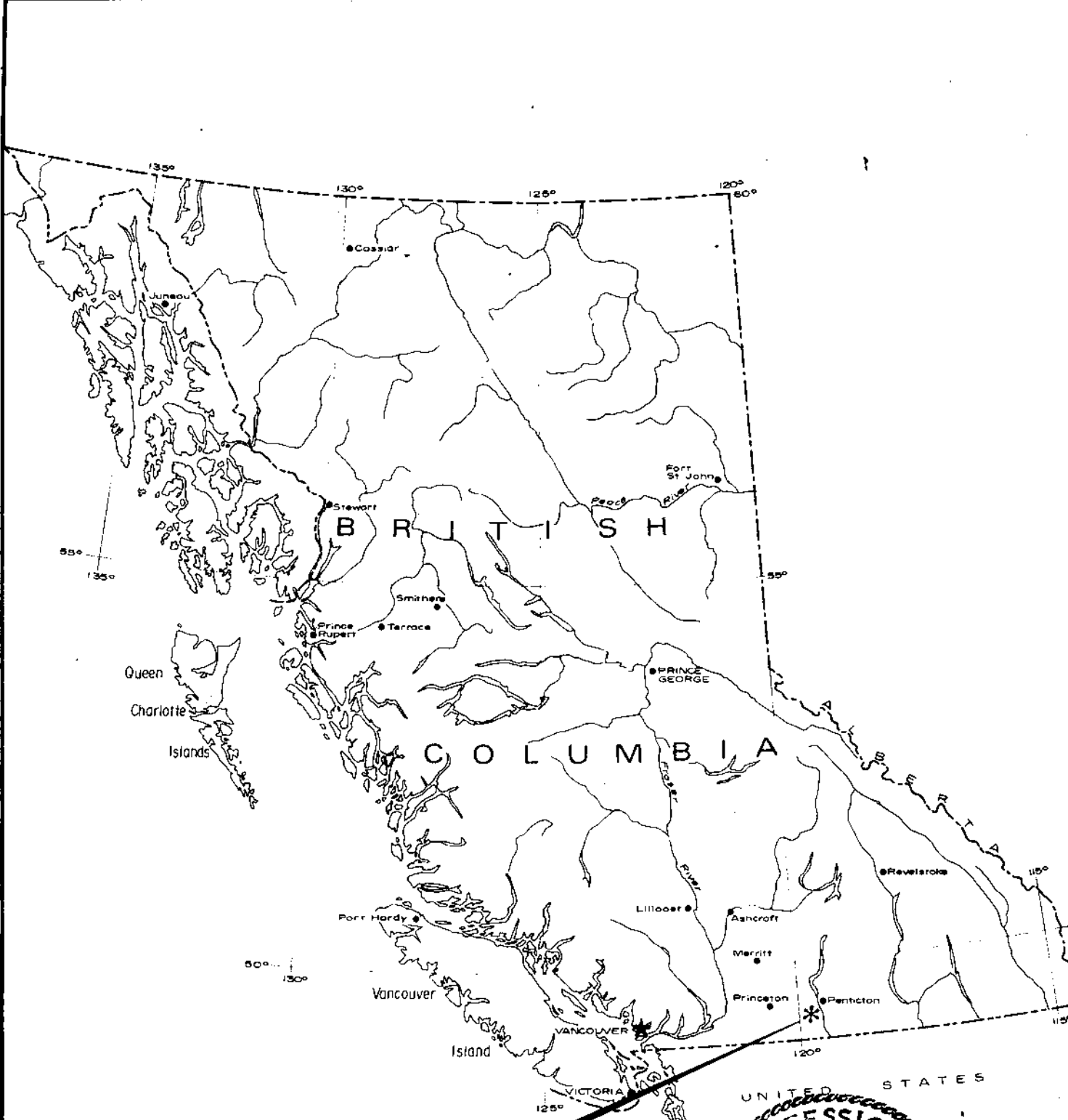
Collection of samples	
L. Sookochoff 2 days @ \$60	\$ 120.00
Assaying and sample preparation	
105 samples @ \$1.20	126.00
Vehicle rental 2 days @ \$18.00	
475 miles @ .12	93.00
Room and Board	28.00
Report and maps	90.00
	<hr/>
TOTAL	\$ 457.00
	<hr/> <hr/>

L. Sookochoff

Declared before me at the city
of Vancouver, in the
Province of British Columbia, this 17
day of September 1973, A.D.

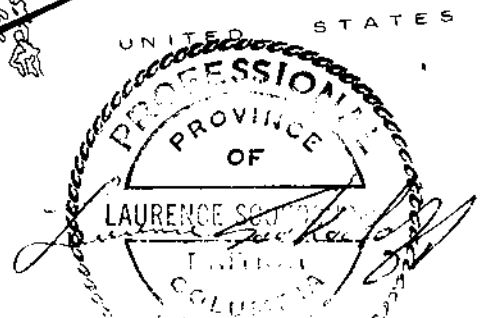
[Signature]

John Finnes
A Commissioner for Taking Affidavits within British Columbia
and for the Province of British Columbia
Sub-mining Recorder



PROPERTY

Department of
 Mines and Technical Surveys
 Government of Canada
 No. **4604** Map **#1**



T. R. TOUGH & ASSOCIATES LTD.
 CRIPPLE CREEK RESOURCES LTD. (NPL)
**TWIN LAKE PROPERTY
 LOCATION MAP**

SCALE 1" = 136 MILES

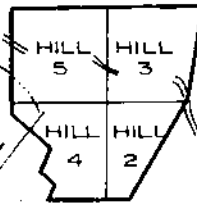
SEPTEMBER, 1973

TWIN
(NIPIT)
LAKES



Road

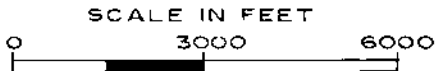
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4604 MAP #2



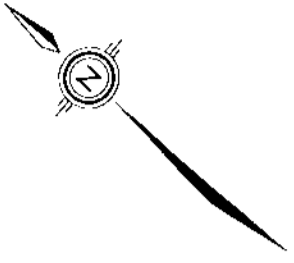
John R. Tough & Associates Ltd.
Geological Engineer
No. 1000

JOHN R. TOUGH & ASSOCIATES LTD.
CRIPPLE CREEK RESOURCES LTD. (NPL.)
TWIN LAKES PROPERTY

CLAIM MAP

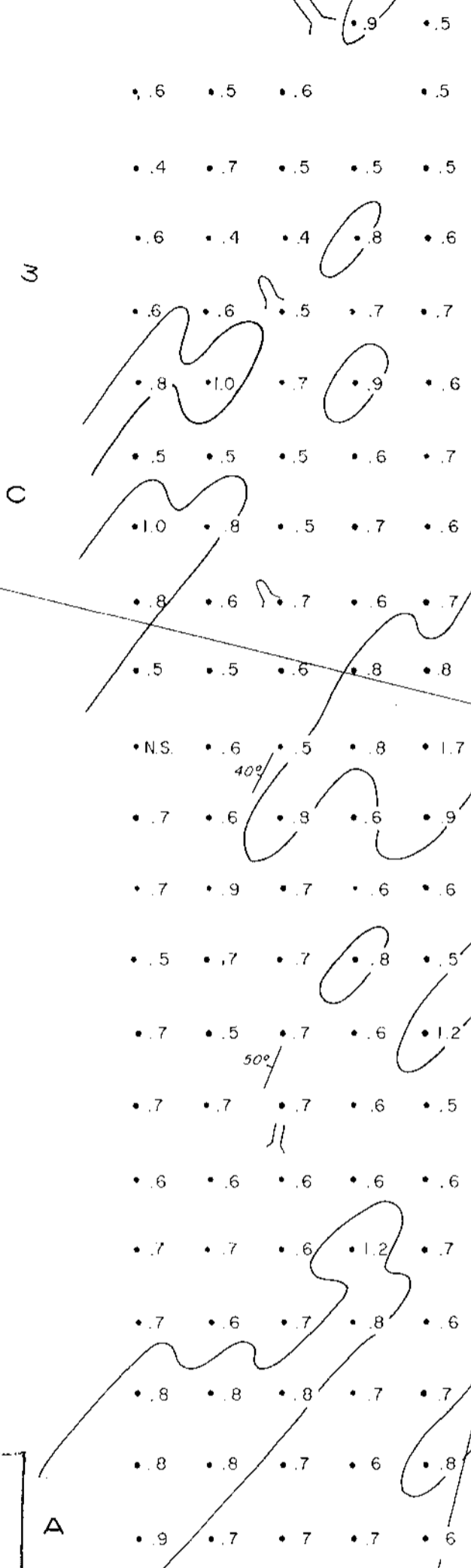


November, 1973



HILL 3

HILL 5



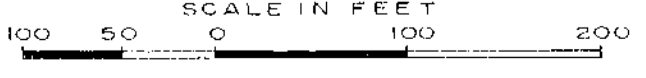
Department of
Mines and Geotechnical Resources
Cripple Creek Resources
No. 1604 #3

LEGEND

- SAMPLE SITE
- .6 SILVER VALUE IN ppm.
- U OPEN CUT
- ADIT
- TRENCH
- QUARTZ VEIN
- 0.6 ppm. BACKGROUND
- 0.8 ppm. CONTOUR INTERVAL INDICATING ANOMALOUS AREA



TR. TOUGH & ASSOCIATES LTD.
CRIPPLE CREEK RESOURCES LTD. (NPL)
TWIN LAKE PROPERTY
GEOCHEMICAL RESULTS
SILVER p.p.m.



SEPTEMBER 1973