2526

SICINTINE MINES LTD. (N.P.L.)
Report on a Geochemical Soil Survey
on the Asp 1-19 Claims
Princeton Area, B. C.
Similkameen Mining Division
120°49 NW

by
Rae G. Jury, P. Eng.
ALRAE ENGINEERING LTD.

Work Performed: July 7-31, 1970
Report: August 18, 1970

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2526 MAP .....

TO PROTECT OUR CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS AND AUTHORIZATION FOR PUBLICATION OF STATEMENTS, CONCLUSIONS AND EXTRACTS FROM OUR REPORTS MUST RECEIVE OUR WRITTEN APPROVAL.

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INTRODUCTION

A soil sampling survey was conducted by Sicintine Mines Ltd. on the Asp claims, under the general supervision of the writer. This work was started July 7th and completed July 31st, 1970. This survey consisted of sampling on a grid 400 feet along a north-south base line, with samples at 200 foot intervals along east-west grid lines. The samples were collected by M. Cloutier, A. Horne and J. Graham and analyzed by Crest Laboratories of Vancouver, B.C. The samples were tested for copper content only.

LOCATION AND ACCESS

The Asp claims are located on Olivine Creek and one of its northwest flowing tributaries. These creeks are part of the northward drainage of Olivine Mountain and are approximately 18 miles west-northwest of Princeton, B.C.

The claims are well traversed by logging roads and are easily accessible by automobile from Princeton.

TOPOGRAPHY, VEGETATION AND CLIMATE

The Asp claims cover the lower reaches of Olivine Mountain. This is an area of moderate relief and well forested. The climate is moderate but snowfall is heavy in winter.

PROPERTY

The Asp claim group consists of 19 contiguous claims. Asp 1-13 staked on August 21, 1968, Asp 15 on September 6, 1968 and Asp 14, 16-19 on June 3, 1969.

GEOLOGY

The claims are underlain by the Olivine Mountain ultrabasic intrusive which varies from pyroxenite to olivine gabbro. Olivine gabbro is exposed on the central and western portion of the claims.

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Black, magnetic pyroxenite was noted on Asp 8 claim.

Host rock to the intrusive is Triassic Nicola andesite and basalt. The contact trends northwest but is obscured by heavy overburden. Inclusions of Nicola are noted in trenches on Asp 15 and 16 claims.

MINERALIZATION

Bornite and chalcopyrite occur as very fine disseminations in the olivine gabbro and appear to be associated with fault zones. Mineralized zones, where exposed, appear to be lenslike and discontinuous, and have no sharp boundaries. Road cuts and occasional bulldozer trenches have exposed mineralization on claims Asp 4, 6, 14 and 15.

SAMPLING PROCEDURE

Soil samples were gathered each 200 feet along grid lines 400 feet apart. Samples were taken of the B horizon (8-12 inches in depth) and placed in numbered paper envelopes for transport to the laboratory. Some samples were in areas of obviously heavy glacial overburden and may not be indicative of the underlying mineralization. Claim Asp 8 was not sampled as thick overburden is predominent.

The accompanying map sheet shows the location and analysis of each sample taken with respect to claims, roads and streams.

ANALYSES OF SAMPLES

The samples were analyzed by Crest Laboratories, Vancouver, B.C., by drying, sieving (-80 mesh), digestion with hot perchloric acid. Atomic absorption spectrophotometer methods were used to determine the copper content in parts per million of Cu in the samples.

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INTERPRETATION

Following is a tabular presentation of the range of copper content in the samples analyzed.

ppm Cu	No. of Samples	
0 - 25	Nil	
26 - 50	118	
51 - 75	136	Anomalous @ 4%
76 - 100	87	
101 - 125	39	18.16
126 - 150	25	or
151 - 175	17	Cu. ppm >200
176 - 200	10	
> 200	19	
TOTAL	454	

The accompanying map indicates sample locations and copper content. Anomalous values are those above 200 ppm. The majority of anomalous readings are associated with known copper showings. The great depth of glacial overburden on the easternmost claims prevents reliable reflection of the possible copper content in rocks underlying these areas.

COST OF SURVEY WORK

Following is a list of men employed in this survey as well as employment dates and wages paid as supplied by Sicintine Mines Ltd.:

Merl Cloutier, Field Supervisor	July 7 - 19, 1970 July 28 - Aug. 3/70 20 days @ $40.00 per day	$ 800.00
A. Horne, Soil Sampler	July 7 - 19, 1970 13 days @ $40.00 per day	520.00
J. Graham, Soil Sampler	July 28 - Aug 3, 1970 7 days @ $40.00 per day	280.00
W. Coulter, Supervision	July 8 - 10, 31, 1970 4 days @ $40.00 per day	160.00
	SUB-TOTAL	$1,760.00

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Declared before me at the City

of Vancouver, in the

Province of British Columbia, this 27th

day of August 1970, A.D.

William J. Coulter

SUB-MINING RECORDER

A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.

Sample analyses and field equipment:

Crest Laboratories Ltd.	$ 558.30	
Equipment	64.76	$ 623.06
Vehicle rental and gasoline for 20 days	370.79	
Camp supplies and accommodations	366.35	
Map preparation and drafting - allowance for R. Jury, supervision and map preparation	250.00	987.14
TOTAL		$3,370.20

CONCLUSIONS

Each of the known mineralized zones are confirmed by only one or two anomalous soil samples indicating the mineralized zones are of small extent. The largest group of anomalous samples is to the north of Olivine Creek on Asp 14 and 15, downslope of copper mineralization exposed in bulldozer trenches. This area is near the contact of the ultrabasic rock with enclosing Nicola volcanics and sediments and is a more favourable geological setting for location of significant copper mineralization.

Further evaluation of the Asp claims should include geological mapping with particular emphasis on the contact area. A magnetometer survey may serve to trace the contact.

Respectfully submitted:

Rae G. Jury, P. Eng.

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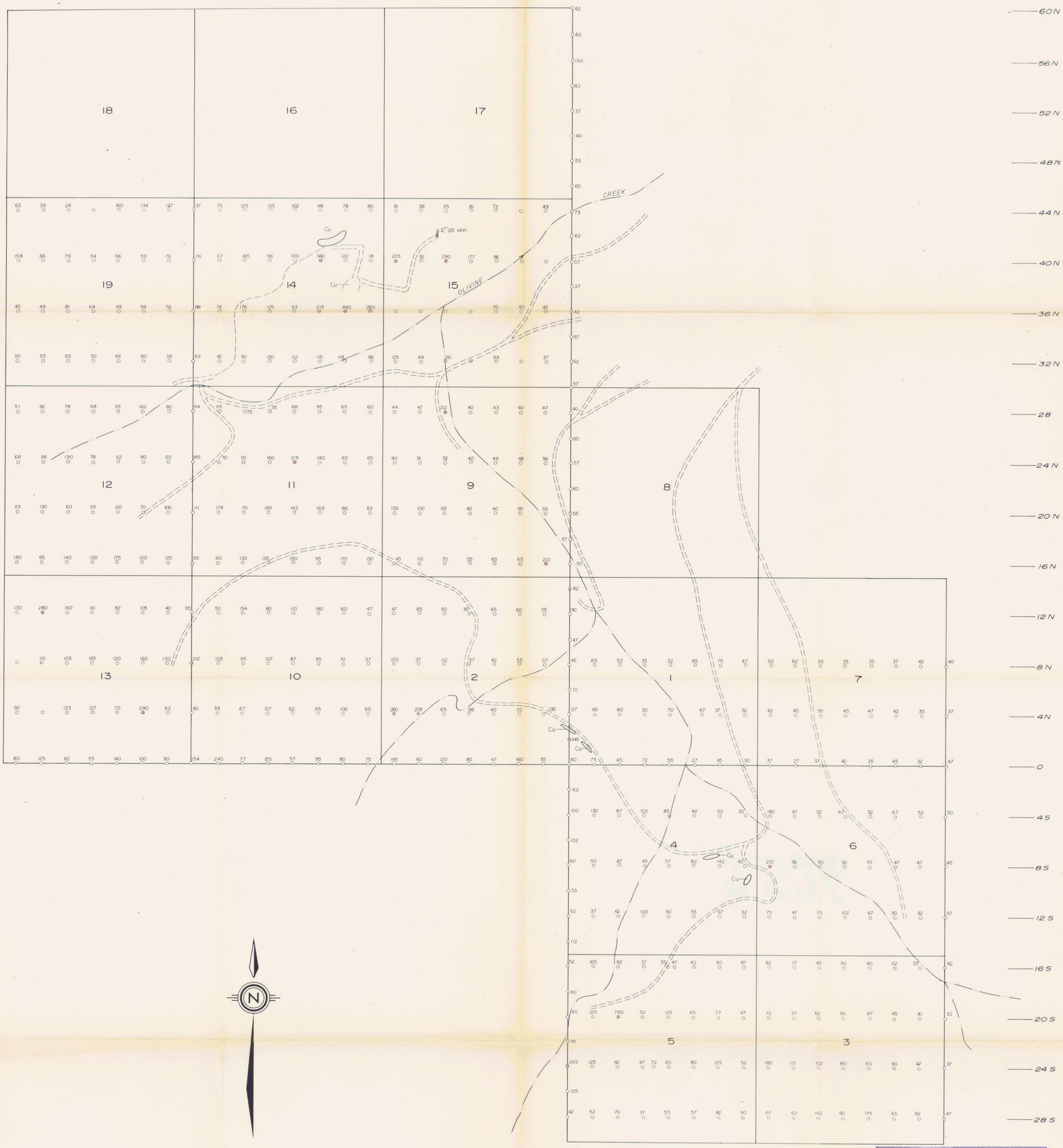

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NOTE
To accompany geochemical report by Rae G Jury on the ASP Group Claims of Sicintine Mines Ltd. Princeton area, Similkameen M.D. Dated, August 13th, 1970.

Rae G Jury

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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2526 MAP #1

SICINTINE MINES LTD.

ASP GROUP

GEOCHEMICAL SOIL SAMPLING

COPPER IN P.P.M.
PRINCETON AREA, B.C.

ALRAE ENGINEERING LTD.
GEOLOGISTS & ENGINEERS
VANCOUVER, B.C.

Designed	G.T.	SCALE 1"=400'
Drawn		
Checked		
Date	August 13, 1970	Dwg No.