

2034

GEOCHEMICAL FIELD REPORT

SEPTEMBER 1969

LARGO MINES LTD.

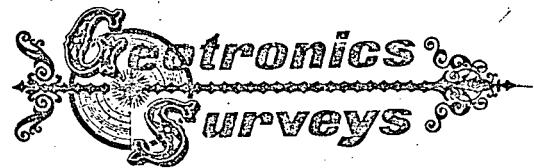
KIP FRACTION #1 to #4 M.C.

NICOLA MINING DIVISION

120 deg. 03' W Long.      49 deg. 55' N Lat.

FIELD REPORT BY: T. Rolston

INTERPRETATION BY: M.D. Kierans, P.Eng.



517 - 602 West Hastings Street, Vancouver, British Columbia, Canada \* Telephone 688-4342

TABLE OF CONTENTS

	Page
Location .....	1
Physiography .....	1
Survey Procedure and Method:	
Control Grid .....	2
Geochemical Survey .....	2
Geochemical Testing .....	2
Results of Geochemical Survey .....	2 & 3
Conclusions and Recommendations:	
M.D. Kierans, P.Eng. ....	4
Resume: T. Rolston	
Location Map	
Histogram (Fig. 1)	
Geochemical Grid and Contour Map (Sheet 2)	

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 2034 MAP .....



LARGO MINES LTD.

September 1969

FIELD REPORT:

Geochemical survey conducted on KIP Fraction #1 to #4 mineral claim.

LOCATION:

The Largo Mines Ltd. Kip Fraction #1 to #4 mineral claims lie between Brenda and Pennask Lake approximately 16 miles northwest of Peachland B.C. Co-ordinates of the property are approximately 120 degrees 03' west longitude, 49 degrees 55' north latitude.

Access is by 24 miles of gravel road from Peachland, with roads traversing the length of the property. Peachland, located in the main Okanagan Valley lies 270 miles by road from Vancouver and 20 miles from Penticton, reached by regular commercial airline service.

PHYSIOGRAPHY:

Situated between approximately 4,800 and 5,800 feet elevation, the claims are in an area of low to moderate relief. Rock outcrop is abundant on a few low ridges but is poorly exposed throughout most of the property.

Jackpine with spruce and fir are common throughout most of the property except for a few low lying swampy area, thus timber is plentiful for exploration and mining purposes. Logging operations have been carried out on portions of the property.

Winter temperatures are moderate to low and snow hampers but does not prohibit surface operations. Summers are generally hot and dry.



#### SURVEY PROCEDURE AND METHOD:

##### CONTROL GRID:

The control grid was established previously in 1966 by the firm of Underhill and Underhill, land surveyors, using transit control. A north-south base line was established on the eastern boundary of the property, with cross-lines at 600 foot spacings, picketed at 100 foot intervals.

##### GEOCHEMICAL SURVEY:

The survey was conducted in the first week of September 1969 by S. Wagenitz with an assistant under the field supervision of T. Rolston project manager for Geotronics Surveys Ltd.

Soil samples were collected at 100 foot intervals along the grid lines. 'B' horizon was used for samples except where it was only possible to collect 'A' horizon and these are marked accordingly. All precautions were taken to eliminate possible soil sample contamination. Grub hoes and long blade shovels were used to cut through the roots and expose the 'B' horizon for sampling. These samples were collected and contained in standard paper soil sample bags supplied by T.S.L. Chemical Laboratories, Vancouver, B.C.

##### GEOCHEMICAL TESTING:

Geochemical testing was carried out by T.S.L. Laboratories in Vancouver, B.C.; samples being tested for copper content, using hot hydrochloric acid extraction. The values are reported in parts per million (ppm).

#### RESULTS OF GEOCHEMICAL SURVEY:

The geochemical results received from T.S.L. Chemical Laboratories and copper values were plotted on a grid map scale of 1" = 300' and



contoured at 5 ppm above background values. Values above 20 ppm are determined as anomalous in this situation, by using the plotted histogram (fig. 1).

This survey shown no significant geochemical anomalies within the boundaries of this property.

Respectfully submitted:

A handwritten signature in cursive script, appearing to read "Tom Rolston".

Tom Rolston, Project Manager,  
GEOTRONICS SURVEYS LTD.

October 2, 1969.

Mr. Tom Rolston,  
Geotronics Surveys,  
517 - 602 West Hastings St.,  
Vancouver, B.C.

Dear Mr. Rolston;

You have asked me to review the work done on and examine the map prepared by employees of your company on a recently carried out soil sampling project within the KIP fractions 1 to 4 Mining Claims of the Brenda Lake area of the Nicola Mining Division. These fractional claims are held by Largo Mines Ltd. of Vancouver.

J.S. Carr's map (1) of the Brenda Lake area shows the rocks underlying these fractional claims to be graywacke or argillite of the Triassic Nicola Series. Though the claims are only about a mile and a half from the Brenda Mines open pit the subject claims are in a quite different geological environment for they are underlain by sediments and, of course, the Brenda ore body is well within the intrusive quartz diorite Brenda stock.

I agree with your conclusion that, based on your results, no significant geochemical anomalies lie within the boundaries of this property and that further work on the property is not warranted.

I am satisfied that the field work was done by competent men under your direction. Despite its negative results the work is an aid to the accumulation of useful information on the economic potential of these claims and the general area.

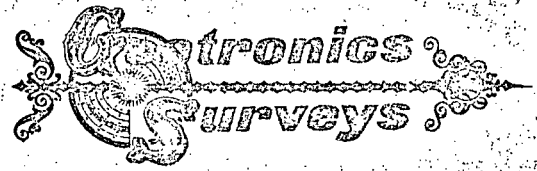
Respectfully submitted,



M.S. Kierans, P. Eng.

REFERENCE: (1) J.S. Carr 1967 Annual Report B.C. Minister of Mines, pages 183 - 210 "Geology of the Brenda Lake Area".

MDK/jm



517 • 602 West Hastings Street, Vancouver, British Columbia, Canada ★ Telephone 688-4342

RESUME OF TECHNICAL AND FIELD EXPERIENCE OF TOM ROLSTON, PRESIDENT AND  
PROJECT MANAGER OF GEOTRONICS SURVEYS LTD.

1. Eleven years with R.C.A.F. as Instrument and Electronic Technician with crew supervisory capacity in various electronic and instrumentation systems.
2. Two years with Kerr-Addison Mines Ltd. as Electronic Technician, servicing, repair and maintenance of various types of geophysical instruments. Also, two seasons as Field Supervisor and geophysical instrument operator in mining exploration, including airborne and ground geophysical surveys, geochemical surveys, geophysical and geochemical drafting and mapping.
3. Three years Field Supervisor of geophysical and geochemical surveys, including instrument operator of various geophysical instruments; airborne and ground systems magnetometer, electro-magnetic, gravity meter, self potential meter, scintillometer, induced polarization.
4. Three years contracting geophysical - geochemical surveys with close association with mining engineers for various mining companies.
5. President and Manager of Geotronics Instruments Ltd., geophysical instrument design, manufacture and distribution.
6. President and Project Manager of Geotronics Surveys Ltd., mining exploration, geophysics and services.
7. Electronics Engineering understudy with Cleveland Institute of Electronics.
8. Member of B.C. Geophysical Society.

BRITISH  
COLUMBIA

ALBERTA

Ft. McMurray

Ft. St. John

Peace River

Dawson  
Creek

Grande Prairie

Hazelton

Terrace

Smithers

Prince  
Rupert

Kitimat

Burns Lake

Vanderhoop

Prince George

Sean Falls

Quesnel

Jasper

Williams Lake

Blue River

Alert Bay

Clinton

Revelstoke

Lillooet

Kamloops

Courtenay

Powell R.

Lytton

Merrill

Vernon

Nanaimo

VANCOUVER

Hope

Princeton

Penticton

Nelson

VICTORIA

Trail

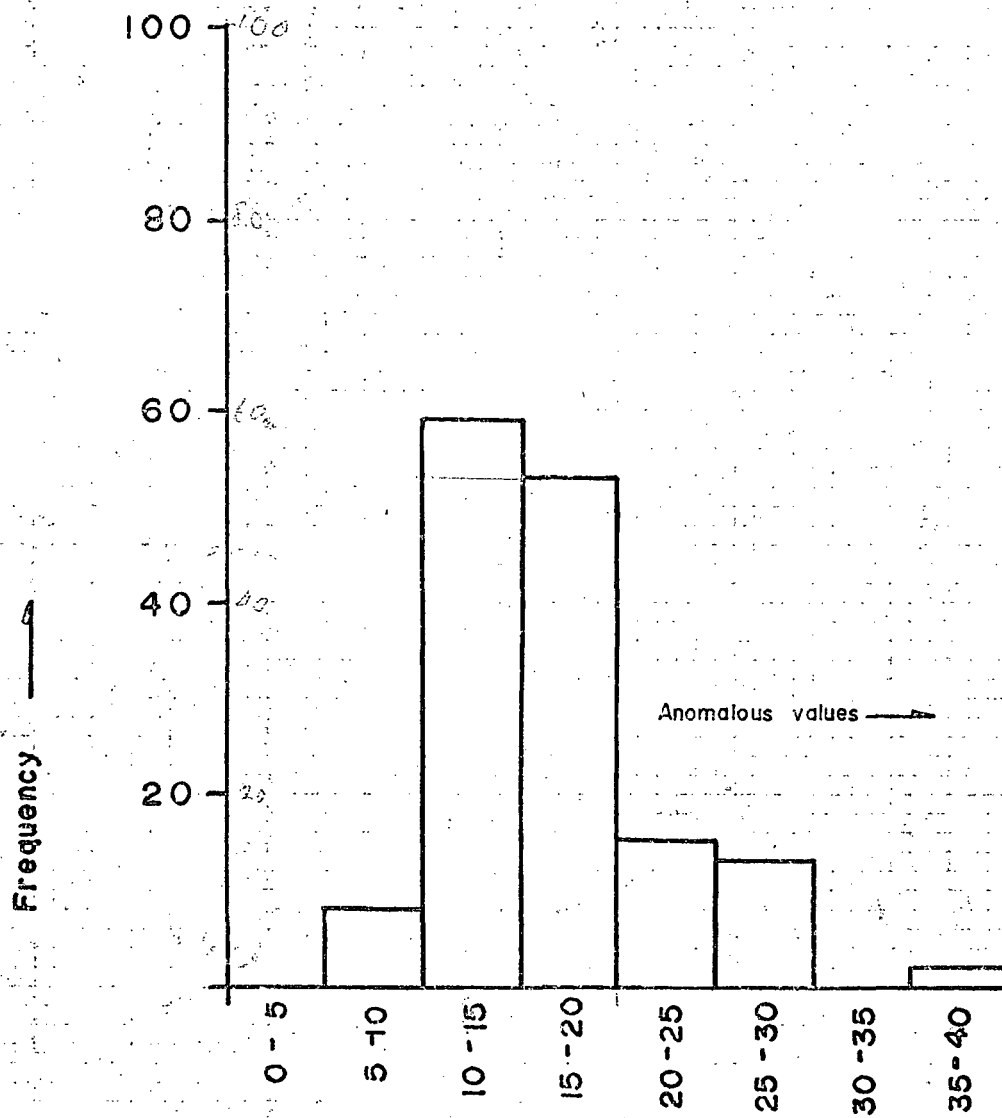
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NO. **2034** MAP **#1**

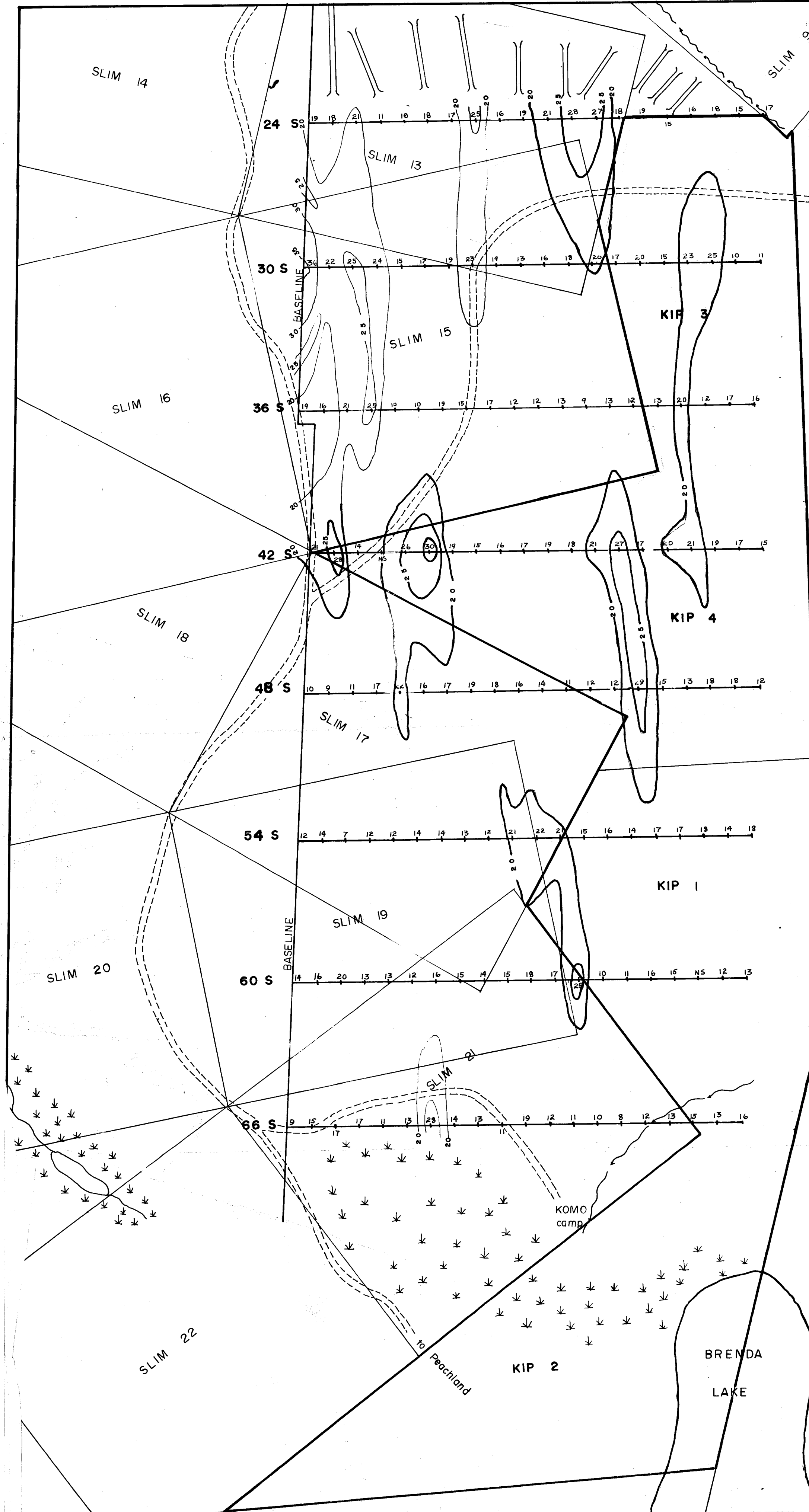
# GEOCHEMICAL SURVEY ... HISTOGRAM ... KIP GROUP



(Fig.1)

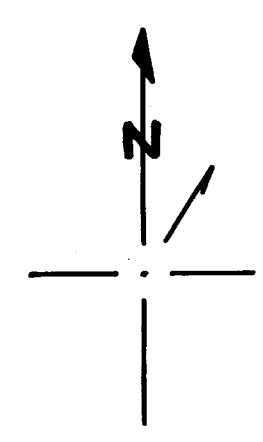
Copper values in P.P.M.

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NO. **2034** MAP # **2**



to Kel-Glen camp

MARN GROUP  
KEL-GLEN



BURN  
MARN GROUP  
KEL-GLEN

ALY. GROUP  
BRENDA MINES

LEGEND

- trench
- swamp
- creek
- highway

**2034**

**LARGO MINES LTD.**  
KIP CLAIM GROUP, BRENDA LAKE AREA  
NICOLA M.D., British Columbia

**Geochemical - soil sampling**  
type of survey Results plotted = COPPER in P.P.M.  
Analysis by T.S.L. using Hot HCl Acid extraction

scale 1" = 300'	date Sept. 1969	job no.	sheet no. 2	drawn by J. E. W.
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**Geotronics Surveys Ltd.**  
Geophysical Services, General & Abbrev.  
517 - 602 West Hastings Street, Vancouver, British Columbia.