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## PROJECT 117 - TARGET PROJECT

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## SECOND QUARTER REPORT

APRIL - JUNE 1977

by J.C. STEPHEN

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July 1977

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#### INTRODUCTION

The 1977 exploration program started in April with staking of the LION group, 93M/16E and continued in May with mapping and silt sampling in the Heber River valley 92 F/13 and in June with reconnaissance silt sampling on the Nechako uranium program, 93F,G.

A two man party conducted this work and will be augmented by a second party in the first week of July and with a third party in the latter half of July.

Favourable silt sample results on the Nechako program have led to concentration of work in that area and no further work is presently contemplated for the Heber River, nor for a fourth target, the "Hogem Copper Ancmaly" indicated by continuing research into possible targets of interest.

The following is a summary of results to date.

#### LION CLAIM GROUP 93M/16E

This group of two "Claims" consisting of 38 "units" under the B.C. Mineral Act covers three copper occurrences and two copper geochemical anomalies south west of Ominicetla Creek at 126°05'W 55°54'N.

Staking was done by contract and was recorded April 22, 1977.

On June 28 the claims were visited by G.S.W. Bruce and J.C. Stephen. The No. 1 and No. 2 showings were examined and limited outcrop

in one geochemical anomaly was prospected. Small amounts of copper mineralization were found within this anomaly.

The general geology suggests a volcanogenic setting for the mineralization.

A program of detailed geological mapping, limited hand trenching and a magnetometer survey are proposed. It is hoped this work will provide some knowledge of the geological structure and that a properly oriented picket line grid can then be established in preparation for geophysical surveys.

Two rock specimens, one of them massive pyrite mineralization with some chalcopyrite, have been sent for 30 element spectrographic analysis.

It is expected this work will be done on contract by Colin Harivel, a geologist who worked for Stephen in 1969, 70, and 71. His present work in the Yukon should be completed before mid July and it is hoped work on the LION can commence shortly thereafter. Communication problems at the moment leave these dates as tentative.

#### HEBER RIVER 92F/13

Geological mapping and silt sampling was conducted in an area of copper bearing volcanics on Vancouver Island.

The local intrusive body was prospected and minor molybdenite mineralization was found. The silt sampling seems to confirm that the copper values are confined to the volcanics and that any possible target is most likely to be chalcopyrite magnetite skarn deposit rather than a porphyry copper-molybdenum deposit.

A preliminary map of the prospecting results is enclosed with this report as Plate I.

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Significant magnetite bodies and some copper mineralization are known to Stephen to the south on White Ridge (not shown on Plate I) and it may be advisable in the future, to conduct a more regional type of program in search for skarn type deposits.

A geological map, G.S.C. Open File No. 463, has recently been published showing the geology of the area. Beaause of the high rugged nature of the country follow up work should be done in August as snow hampers work well into July.

## NECHAKO AREA 93 F, G

Results of uranium analysis on stored samples were described in our First Quarter Report 1977. The distribution of values for 590 samples was presented in graph form in that report.

Charles Barrie and George Watson have carried out part of a reconnaissance silt sample program in the area. Samples are taken from all creeks available by driving the access and logging roads of the region. Distribution of uranium values for 327 silt samples are presented here as Figure I and a comparison with the earlier results is provided by Table I below.

#### TABLE I

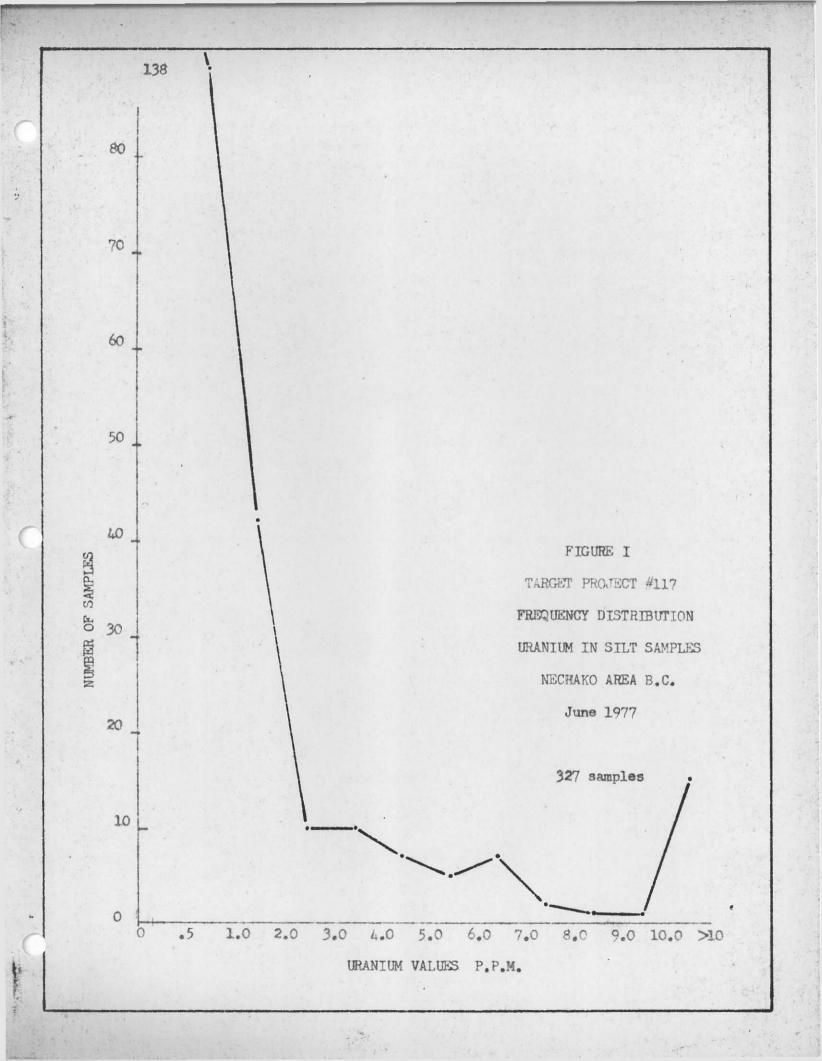
NUMBER AND PERCENTAGE OF SIGNIFICANTLY ANOMALOUS URANIUM RESULTS.						
Period	Number of	Number of	đ	Number of	at	
<u></u>	Samples Analyzed	Values >5ppm	_%_	Values >10ppm	_%	
Jan-March	590	13	2.2%	3	0.51%	
June	327	31	9.5%	15	4.6%	

High values of 108 ppm and 331 ppm have been received as well

as several values from 30 to 50 ppm.

These values compare favorably with those published for uranium

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bearing areas in northern Yukon (G.S.C. Report of Activities 77-1B Tombstone Mountain Batholith p 37) and in southern B.C. (G.S.C. Open Files 409, 410, 411 for NTS 82 E.L.M)

Due to the probability that other companies may now be, or may in the near future be, active in this area the crew is being split into two parties. One of these parties will continue with the reconnaissance program while the second will investigate presently known anomalies.

One man has been newly hired in Vancouver and a second geologist will be transferred from the Yukon to assist in this work.

#### AGREEMENT

A copy of the proposed TARGET agreement has been received. No difficulties are apparent and it is expected signing can be properly completed this coming week.

> Respectfully submitted. J.C. STEPHEN EXPLORATIONS LTD.

J.C. Stephen

JCS/ms

# TARGET PROJECT - PROJECT 117

# FINANCIAL REPORT JUNE 30, 1977

Account	Jan. 1 - March 31	Year to date
Advances - Expenses Machinery & Equipment Purchases - food		500.00 1,272.58 483.50
Purchases - maps, photos, publications, Sub-contracts	etc. 23.45	725.36
Geochem Casual Labour	3,266.75	1,710.00 4,844.71 11.25
Blueprinting, drafting & supplies Aircraft rental	8,80	86.40 1,040.18
Vehicle operating costs Public Relations, symposiums, etc.		844.35 160.32
Travel Expense Salaries & benifets Telephone, Postage Express, cartage		1,325.55 3,500.35 29.71 34.65
Insurance J.C.Stephen services J.C. Stephen Explorations overhead License Fees	1,238.75	186.00 3,647.31 525.05 15.00
Bank chagges	1.75	1.75
TOTAL EXPENDITURES	4,550.75	20,944.02
+ Bank Balance - June 30, 1977		9.055.98
TOTAL CONTRIBUTIONS		30,000.00

