

93L/9W, 16W

CITIES SERVICE MINERALS CORPORATION

Geochemical Report on the Fly Claims

Omineca Mining Division - 5 Miles

South of Fulton Lake - 54° 126° N.E.

By: J.W. Murton, P.Eng.

July 11 - October 31, 1972

4192

# 4192

GEOCHEMICAL REPORT

FLY CLAIMS - OMINECA MINING DIVISION, B.C.

22nd FEBRUARY, 1973.

Location

Lat.  $54^{\circ} 45'$  N.

Long.  $126^{\circ} 20'$  W.

5 miles south of Fulton Lake.

on behalf of

Cities Service Minerals Corporation  
405 - 1200 West Pender St. Vancouver.

by

J.W. Murton, P.Eng.

Department of	
<b>Mines and Petroleum Resources</b>	
ASSESSMENT REPORT	
NO. <u>4192</u>	MAP.....

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Illustrations:

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4192M-1

FLY  
CLAIMS

FIG 1  
1" = 30 MILES

B R I T I S H



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 4192 MAP #1

INTRODUCTION:

The 98 Fly claims were located for Cities Service Minerals Corporation in July of 1972, to cover an area considered to have an attractive aeromagnetic expression. During the summer, a geophysical and geochemical survey was completed over the claims to assess their potential.

LOCATION, ACCESS AND PHYSIOGRAPHY:

The claims are located in the Omineca Mining Division, 5 miles south of Fulton Lake at co-ordinates Lat.  $54^{\circ} 45'$ , Long.  $126^{\circ} 20'$ . The claims adjoin, on the east boundary, the Thezar claims of Amax.

Access is by way of 6 miles of rough 4 wheel drive road which branches from the Fulton Lake road approximately 30 miles north of Topley, B.C.

Flat areas of mixed swamp and low jackpine covered ridges of glacial till of varying depth characterize the area. Occasional ridges afford the opportunity to inspect bedrock, which generally is infrequent.

One mile of 4 wheel drive road was constructed during August at a cost of \$1480.00.

GEOLOGY:

Only limited outcrop was located on the claims, and this indicated a mixture of Topley monzonitic intrusive and Hazelton volcanics and sediments.

Minor chloritic alteration of the Topley monzonite was noted in several locations.

CONTROL GRID/

CONTROL GRID.

Chained and flagged baselines were established in a N.20°E (true) direction to parallel the claim lines. Baselines are at 24 + 00 West, 0 + 00, and 35 + 00 East. Chained and flagged picket lines were run at 400' intervals at right angles to the baselines. Direction for all lines was compass controlled. A total of 28,400 feet of baseline and approximately 123,200 feet of section line were established using this method, with chainage markers placed at 200 foot intervals.

GEOCHEMICAL SURVEY.

Soil samples were collected from a depth of from 6" to 3 feet using a 3/4" and 1" stainless steel soil auger. Where available, the "B" horizon was sampled. Notes were taken at each sample location regarding topography, soil type, depth, color etc. Difficulty was encountered in many cases in penetrating a thick clay layer immediately below the surface humous layer. Samples were packed in brown kraft paper bags and sent to Acme Analytical Laboratories Ltd. of Burnaby for analyses. The analytical procedure involves drying samples in an electric oven at 150°F, then screening to -80 mesh. Following this, a ½ gram sample is digested by a perchloric-nitric acid mixture, then analysed for total copper, molybdenum, zinc and silver using a Perkin-Elmer 305 Atomic Absorption Unit. Values are reported in parts per million (ppm.)

Approximately 1100 samples were taken and analysed, and the results for each metal plotted on a plan showing soil sample location. This map, at a scale of 1" = 400' is enclosed with the report.

SUMMARY AND CONCLUSIONS/

SUMMARY AND CONCLUSIONS:

Anomalous concentrations of copper and zinc occur at random in a spotty nature over the claims but in particular copper highs occur on Fly 3,9, 25,28,29,41,47,52,58,69 and 71.

In general, molybdenum and silver values do not occur in anomalous amounts, while copper and zinc appear to be the best indicators.

Due to the extensive overburden cover and masking effect of underlying clays, the geochemical results must be viewed with caution. The importance of the copper concentrations can only be determined by additional work.

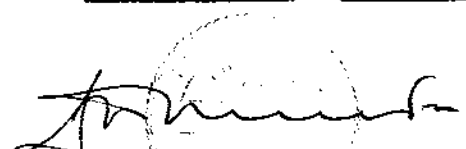


STATEMENT OF EXPENDITURES INCURRED FOR ASSESSMENT PURPOSES ON  
FLY 1-98 DURING THE PERIOD JULY 11 to OCTOBER 31, 1972.

Personnel:

W. Murton - field supervision and report 5 days @ \$100/day .....	\$ 500.00
P. Plicka - field supervision, party chief. 30 days @ \$29/day .....	870.00
J. Pitcher - soil sampler 41 days @ \$19.20¢/day .....	787.20
J. Parkin - line chain and soil sampler 53 days @ \$20.30¢/day .....	1075.90
M. Michovsky - soil sampler. 20 days @ \$21.20¢/day .....	424.00
D. Mackenzie - line chain and soil sampler. 21 days @ \$18.30¢/day .....	384.30
J. Gunn - line chain and soil sampler 35 days @ \$21.20¢ .....	742.00
A. Dennis - soil sampler 18 days @ \$21.20¢/day .....	381.60
D. Brown - soil sampler 10 days @ \$19.20¢/day .....	192.00
G. Evans - line chain and soil sampler 40 days @ \$25.00/day .....	<u>1000.00</u>
	6357.00
Camp cost - 273 man days @ \$8.00/day .....	2184.00
Geochemical testing .....	<u>1925.00</u>
	<u>TOTAL</u> 10466.00
<u>Less:</u> 6% for ground covered not on claims .....	<u>627.96</u>
	<u>TOTAL CLAIMED</u> \$9838.04

Declared before me at the City of  
Langford in Province of British Columbia  
this 26<sup>th</sup> day of February 1973 A.D.

  
J.W. Murton, P.Eng.

CERTIFICATION

I. J.W. Murton, of North Vancouver, British Columbia, do hereby certify that:

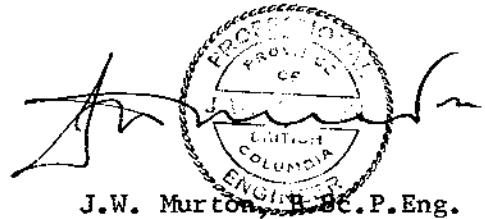
I am a member of the Association of Professional Engineers of the Province of British Columbia, registered in 1972, No. 8324.

I am a graduate of the University of Manitoba with a B.Sc. in Geology.

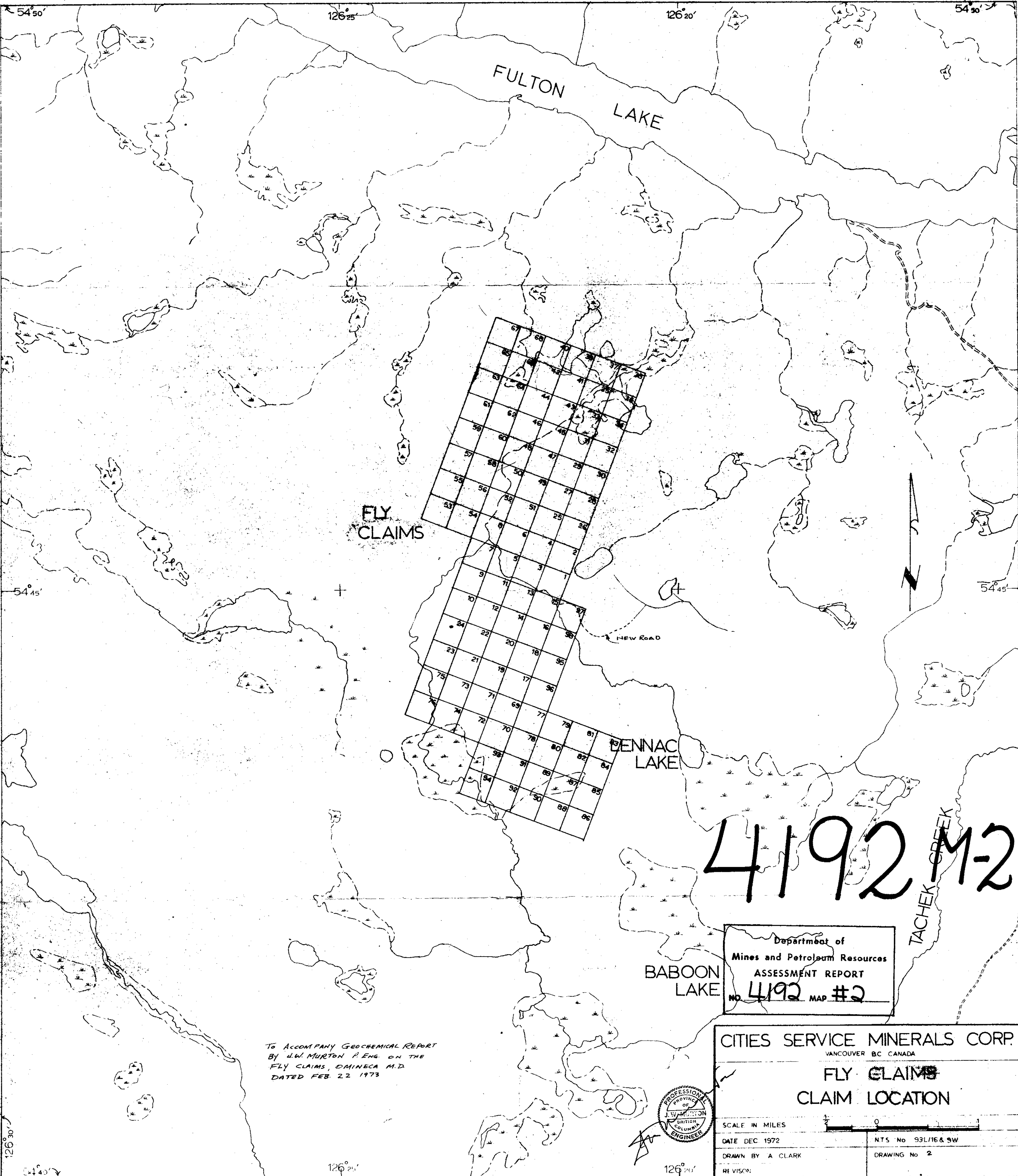
I have been a practising Engineer and Geologist since 1960 in Manitoba, Saskatchewan, British Columbia, South Western U.S.A. and Alaska.

Vancouver, B.C.

22nd February, 1973.



J.W. Murton, P.Eng.



FLY CLAIMS

LENNAC LAKE

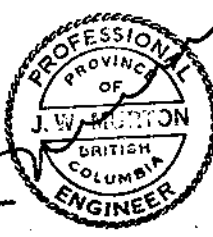
BABOON LAKE

TACHEEK CREEK

4192 M-2

To ACCOMPANY GEOCHEMICAL REPORT  
 BY J.W. MURTON P. ENG. ON THE  
 FLY CLAIMS, OMINECA M.D.  
 DATED FEB. 22, 1973

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4192 MAP #2



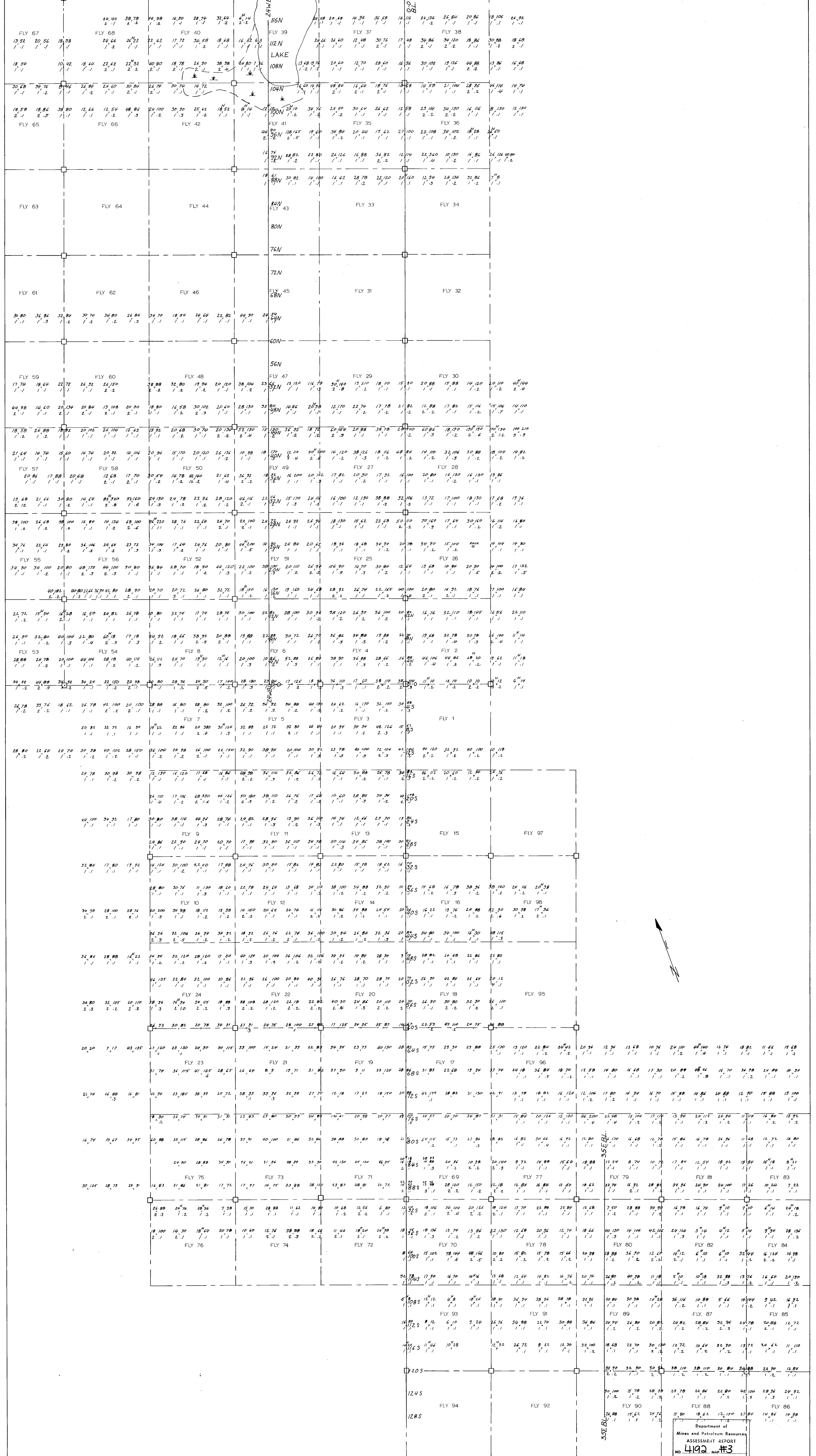
CITIES SERVICE MINERALS CORP.  
 VANCOUVER BC CANADA

**FLY CLAIMS  
 CLAIM LOCATION**

SCALE IN MILES: 0 to 1  
 DATE DEC 1972  
 DRAWN BY A. CLARK  
 REVISION:

NTS No 93L/16 & SW  
 DRAWING No 2





To accompany geochemical report by J. W. Murtton (P. ENG) on the Fly Claims, Omineco Mining Division, dated Feb 22, 1978

LEGEND

- CLAIM POST
- CLAIM BOUNDARY
- Cu, Zn Mo, Ag SAMPLE LOCATION
- BASE LINE

Department of Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 4192 MAP #3

CITIES SERVICE MINERALS CORP.  
Vancouver, B.C. Canada  
FLY CLAIMS  
Cu, Mo, Ag, Zn Geochemical Map

SCALE IN FEET	0	200	400	600
DATE:	NTS No. 95/15W			
DRAWN BY:	A. CLARK			
REVISION:	DRAWING NO. 3			