

5534

92H/15E

ASSESSMENT REPORT

FOR THE

QUIL CLAIMS

QUILCHENA CREEK COPPER PROSPECT

NICOLA MINING DIVISION

by

C.M. Rebagliati, B.Sc., P. Eng.

NEWCONEX CANADIAN EXPLORATION LTD.

VANCOUVER, B.C.

May 9, 1975

92-H-15

92-H-NE

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5534 MAP

LOCATION

The Quil Claims are centred along the Quilchena Creek valley approximately 14 miles southeast of Merritt and 2 miles north of Pothole Lake. Figs. 1 & 2.

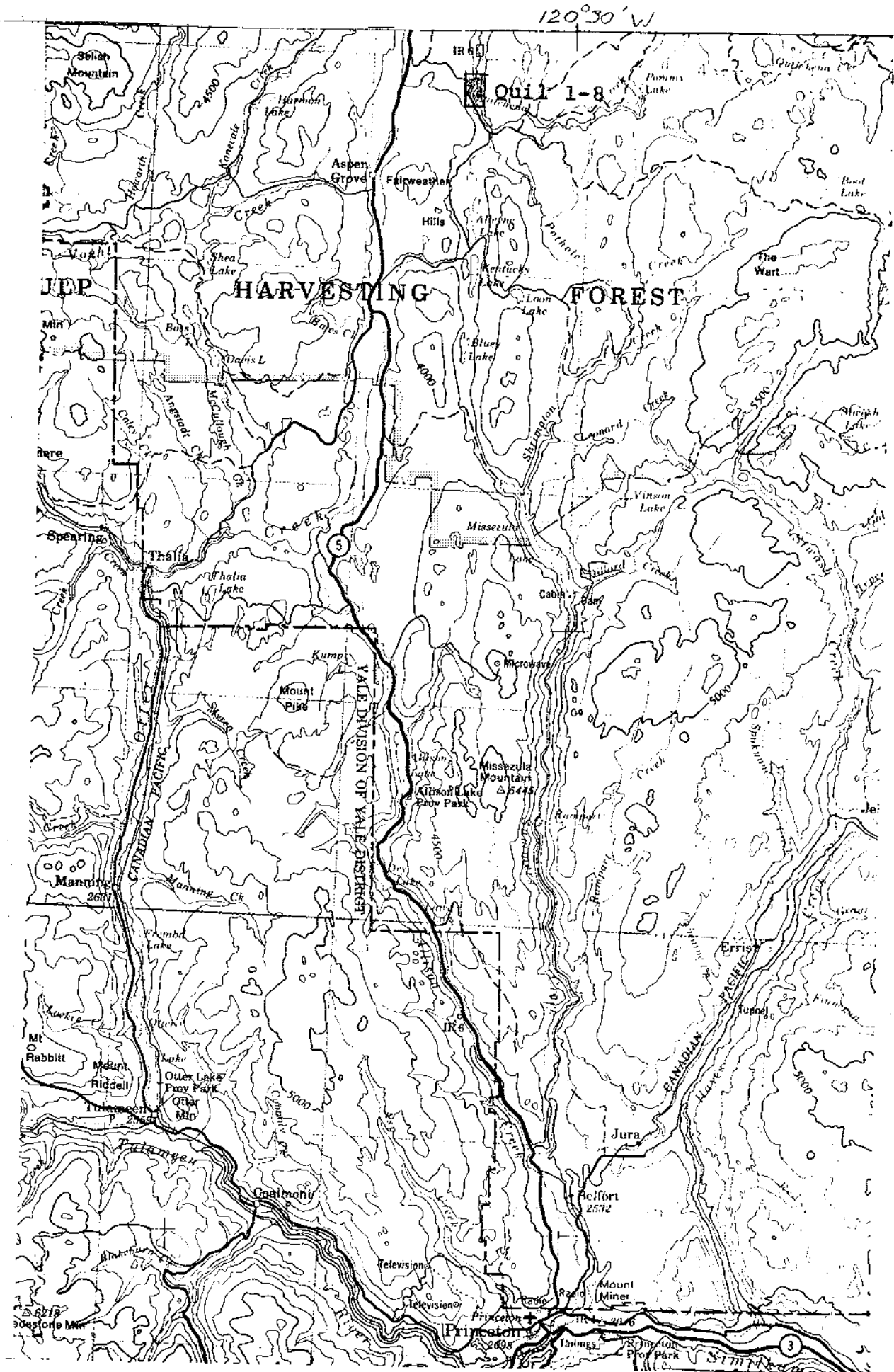
ACCESS

Access to the property can be gained, with a 2 wheel drive vehicle, by travelling 14 miles southward on Highway #5 from Merritt and thence onto an old logging road that leads eastward away from the highway to Quilchena Creek.

INTRODUCTION

Prospecting revealed that two copper occurrences separated by a 1,000 foot wide gravel-filled valley are located on the east and west banks of the Quilchena Creek valley. In the past, other parties who held the ground cut approximately 3,000 feet of bulldozer trenches. Copper mineralization occurs in all of the trenches on both sides of the valley, and in one trench 1,000 feet of more or less continuous mineralization is exposed. Chalcopyrite is the principal copper mineral present. It occurs as very fine-grained disseminations, as fracture fillings or as thin sheets along fracture planes and as coarse blebs within narrow east-west striking quartz veinlets.

The rock is composed of highly-fractured, chloritic, epidotized and partly-recrystallized Nicola Group pyroclastics.

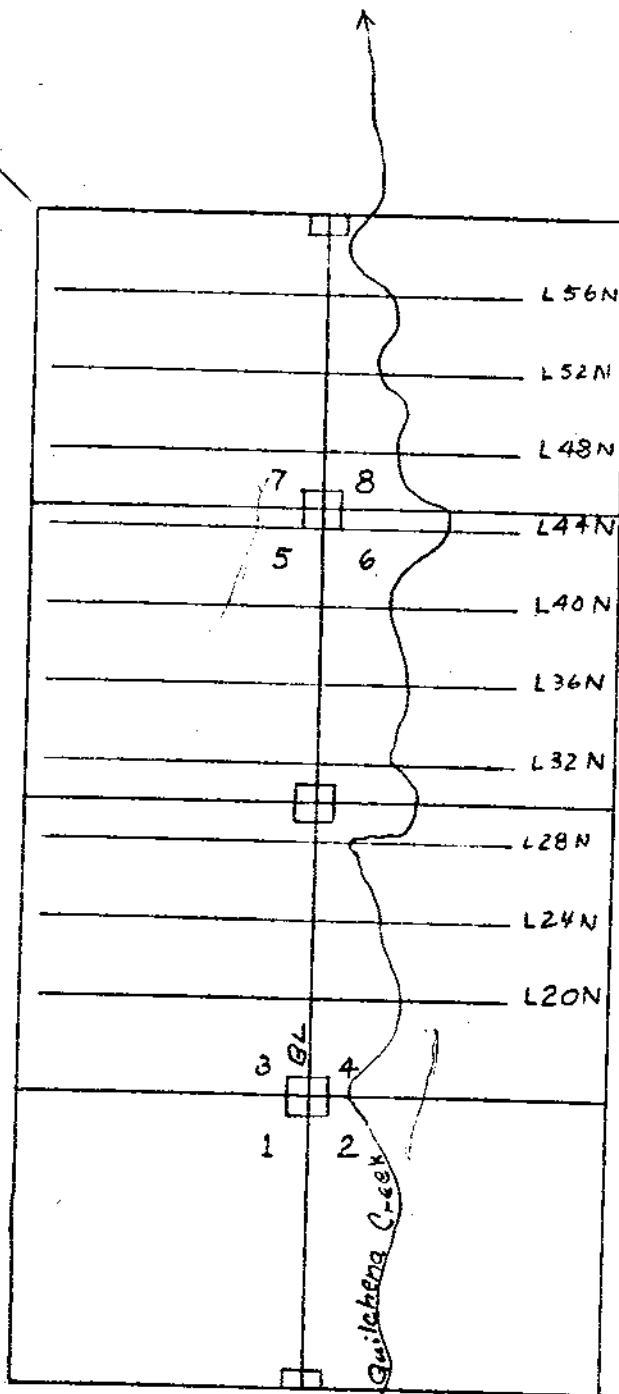


1:250,000

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Fig 1

14 miles to
Merritt



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FIELD SURVEY REPORT

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Fig. 2

Quil Claims

Grid and Claim Location

Scale 1 in = 1,000 Ft
1:12,000

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August 13, 1974

W. R. Reboas

Some sections have undergone weak skarnification.

Two prominent directions of fracturing are exposed in the trenches. Strong fractures and shear zones strike east-west perpendicular to the north-south of fractures that parallel the northern extension of the Summers Creek Fault along which the Quilchena Creek valley lies. Fig. 3.

MAGNETIC SURVEY

Following the prospecting of the claims a picket line grid was established. A trained operator, using a Geometric Model G-816 Proton Magnetometer and using methods outlined in the Operator's Manual, conducted a 5.23 line mile survey over the Quil 3-8 inclusive claims. East-west picket lines, at 400 foot intervals with 200 foot stations, were used for control.

The aeromagnetic maps published by the government show a relatively weak but well defined magnetic anomaly centred in the Quilchena Creek valley. This anomaly lies between the two showings on opposite sides of the valley.

It was considered that this magnetic feature might represent a mineral deposit hidden below the gravels in the valley bottom and that the widespread but low grade copper values in the trenches might represent fringe mineralization.

The purpose of the ground magnetic survey was two-fold:

- (1) To accurately locate and define on the ground the magnetic anomaly indicated on the aeromagnetic maps.
- (2) To run a detailed profile over the peak of the anomaly to determine the depth of overburden to the top of the magnetic body.

RESULTS

It was found that the aeromagnetic anomaly was mislocated some 600 feet to the east. This placed the apex directly over the showing on the west bank of the valley in an area of outcrop and rock exposed in trenches. It was, therefore, not necessary to carry out the detailed profile. Fig. 4.

It is apparent that magnetic minerals accompany the copper mineralization in the showings on both sides of the valley. There is no indication, however, that a magnetic body with associated copper mineralization lies in the valley floor or that one is continuous between the two showings.

CONCLUSION

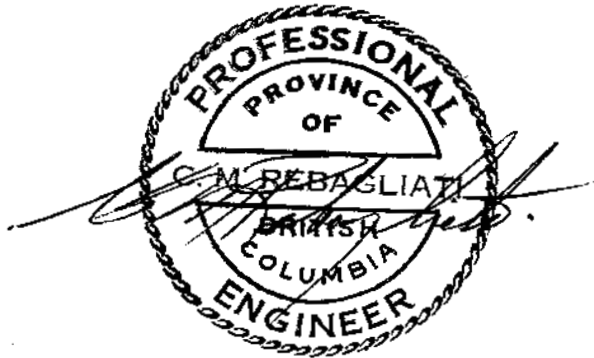
Since no strongly magnetic rocks are indicated, along the Summers Creek Fault in the valley between the two copper showings, the potential of the prospect has been greatly diminished.

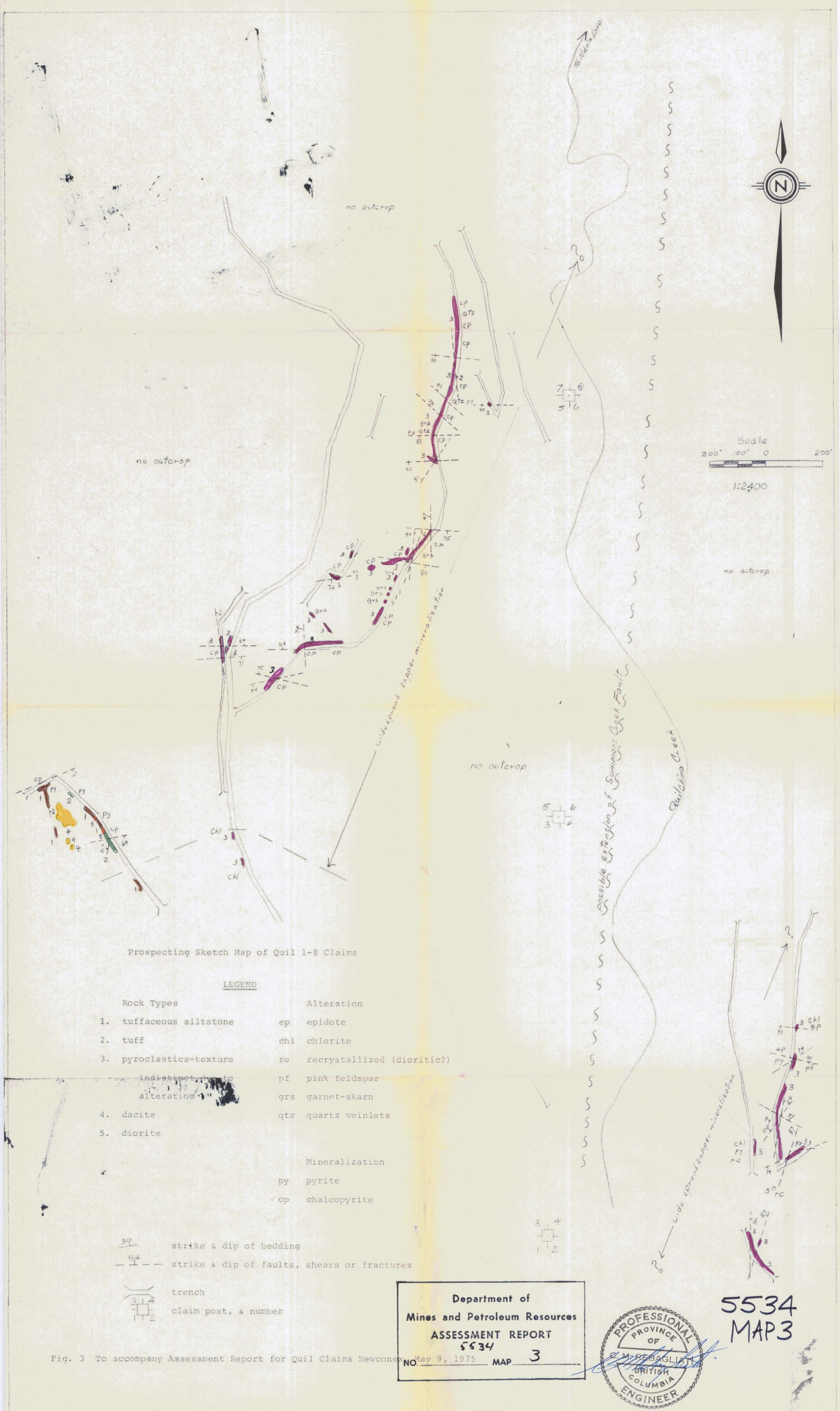
RECOMMENDATIONS

The claims should be held pending the outcome of activities by competitors in the area.

STATEMENT OF EXPENSES

C.M. Rebagliati, B.Sc., P. Eng.	Aug. 6-10, Oct. 30-31, 1974 & May 8- 9, 1975	9 days @	\$49.93	\$449.37
Jack Miller	Aug. 7- 8, 1974	1½ " @	30.00	45.00
Magnetometer Rental		8 " @	12.00	96.00
4 x 4 Truck Rental		8 " @	17.60	140.80
4 x 4 Truck mileage	640 miles		.10	64.00
Picket and paint				16.22
Drafting supplies				6.83
Motel				51.35
Meals				89.24
Dr. P.W. Richardson, Ph.D., P. Eng.	May 9, 1975	@	125.00	<u>125.00</u>
				<u>\$1083.81</u>





Prospecting Sketch Map of Quil 1-8 Claims

LEGEND

Rock Types	Alteration
1. tuffaceous siltstone	ep epidote
2. tuff	chl chlorite
3. pyroclastics-texture indistinct, due to alteration	re recrystallized (dioritic?)
4. dacite	pf pink feldspar
5. diorite	grs garnet-skarn
	qtz quartz veinlets
	Mineralization
	py pyrite
	cp chalcopyrite

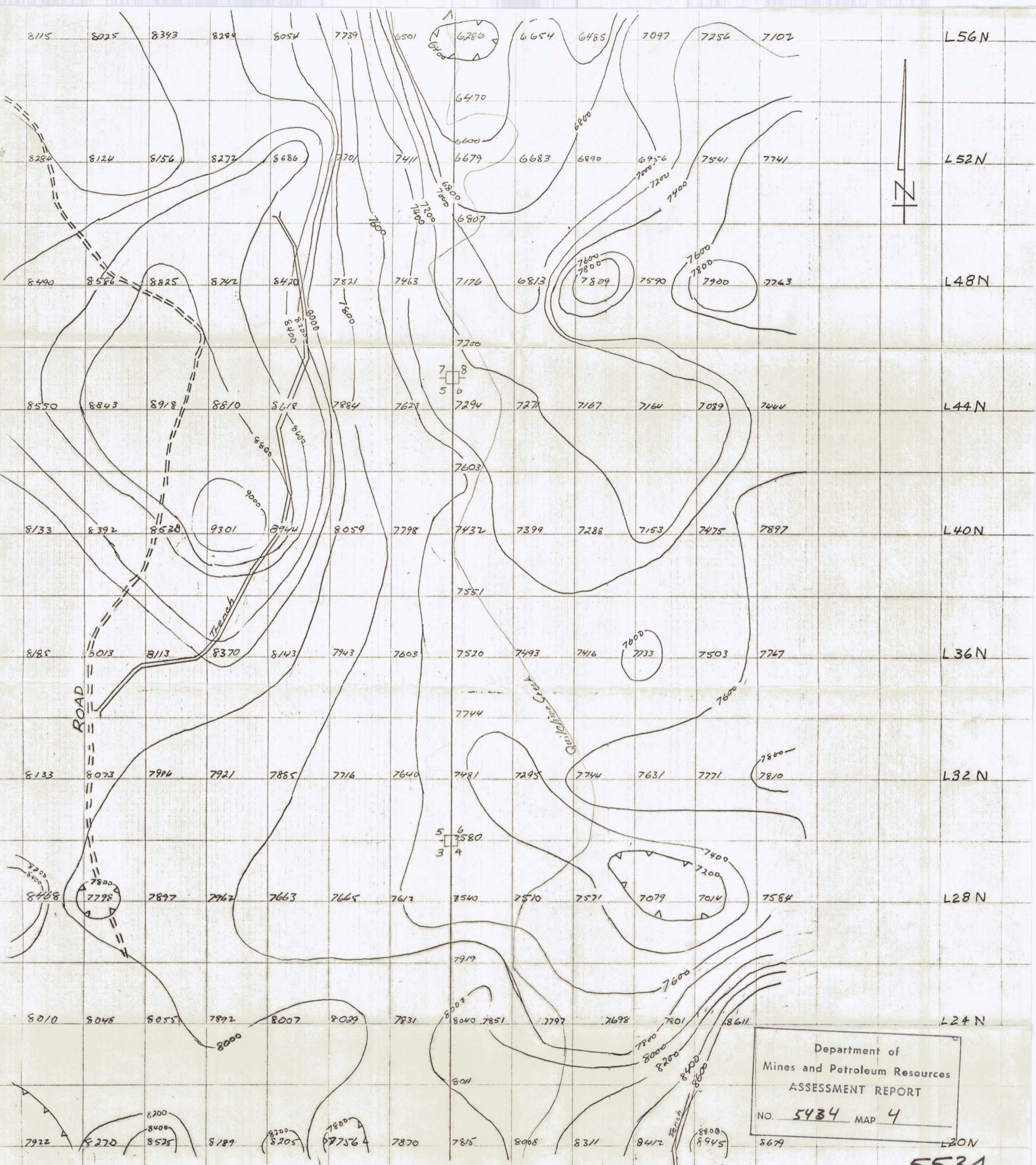
- $\frac{30}{70}$ strike & dip of bedding
- $\frac{64}{1}$ strike & dip of faults, shears or fractures
- trench
- claim post, & number

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MAP 3

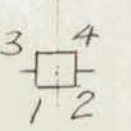
Fig. 3 To accompany Assessment Report for Quil Claims Newcomex, May 9, 1975



The baseline is located in the valley bottom



Baseline



Instrument
 geoMetrics Model G 816
 Portable Proton Magnetometer

Note 50,000 γ have been subtracted from each reading

August 9, 1974

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 MAP 4

Magnetometer Survey
 Quil Claims
 Quilchena Creek

NEWCONEX
 508-525 SEYMOUR STREET
 VANCOUVER, B.C. V6B 3M7

92-H-15
 1:2,400
 200 0 200 400 ft

E.M. Rebagliati

Fig 4 To accompany Assessment Report for Quil Claims Newconex
 May 9, 1975