

1859

ROCK SAMPLING  
and  
GEOCHEMICAL SURVEY  
of  
ROONEY GROUP  
ADAM RIVER AREA, NANAIMO MINING DIVISION  
50° 126° SE

by  
P. W. RICHARDSON, P. ENG.

for  
NEWCONEX CANADIAN EXPLORATION LIMITED

June 3, 1969

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 1859 MAP.....

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ROCK SAMPLING  
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ROONEY GROUP  
JUNE 3, 1969

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I - INTRODUCTION:

This report describes a rock sampling and geochemical survey done on the Rooney Group of mineral claims between April 17th and May 20th, 1969. Inspection of the claims in early April by the writer indicated that a careful sampling of the mineralized outcrops was necessary. The overburden appeared to be shallow, and soil and stream sediment geochemistry was the appropriate means of looking for more copper on the property. The field work was done by Mr. A. J. Teed and three helpers under the general supervision of the writer.

A breakdown of the costs and a statement of the qualifications of the personnel are shown in Appendices I and II.

II - PROPERTY AND OWNERSHIP:

The Rooney Group consists of 28 contiguous claims. The work described in this report was confined to claims Rooney 1 - 8, which were optioned by Newconex Canadian Exploration Ltd. from Messrs. William Tippet, Anthony Sarich,

and Vincio Bortolotto. The remainder of the claims were staked for Newconex and included in the agreement.

### III - LOCATION AND ACCESS:

The Rooney Group is in the Nanaimo Mining Division at latitude  $50^{\circ}22'$  N and longitude  $126^{\circ}10'$  W. It is twelve miles by road west of Sayward, B. C. Several good logging roads give access to the various parts of the claim groups.

The showings are at an elevation of about 500 ft.

### IV - GEOLOGY:

The rocks underlying the claims are massive and amygdaloidal basalts and coarser equivalents, all of which belong to the Karmutsen Group.

Outcrops are numerous. The flows dip shallowly to the east.

The sulphides consist of chalcopyrite, bornite, and minor pyrite, which occur where the basalt has been fractured and bleached. Some chlorite and epidote occur near the mineralization.

### V - SAMPLING OF SHOWINGS:

Preliminary sampling during a winter examination indicated the possibility of the presence of important min-

eralization. Systematic sampling recently after the snow was off the area gave much lower results. (See figure 2)

## VI - GEOCHEMICAL SURVEY:

### (a) Grid System:

On claims Rooney #2 and #4, lines were run approximately 400 feet apart and soil samples were collected along the lines every 100 feet. The sediments from all water-courses were sampled also. On claims Rooney #1 and #3, lines were run at the base of the slope on each side of the east fork of Rooney Creek, and samples were taken at intervals of 100 feet. On part of claims Rooney #1 and #3 and on claims Rooney #5 to #8, lines were run NW parallel to the location line of the claims.

### (b) Method of Sampling:

Soil samples were collected by digging a small hole with a garden spade or, where the organic layer was deep, by using an auger to which an extension was welded. When possible, a few ounces of fine-grained "B" horizon soil was collected.

The fine-grained portion of the stream sediments was collected. An attempt was made for these to have as little organic matter as possible.

Standard soil sampling envelopes were used. These are made of high wet strength kraft paper and are  $3\frac{1}{2}$  inches

by 6½ inches in size. The tops fold and are punched so the samples can be strung on a string and air-dried before shipping. The envelopes are manufactured by Canada Envelope Company, and were obtained through Technical Service Laboratories.

(c) Method of Analysis:

All assays of rock samples and analyses of soil and stream sediment samples were done by Technical Service Laboratories, 325 Howe Street, Vancouver 1, B. C. The samples were air-dried and sent to T.S.L. in the paper bags in which they were collected. At the laboratory, the samples were oven-dried.

The rock samples were pulverized, digested in aqua regia, and analysed for copper with an atomic absorption unit. The soil and sediment samples were digested in hot hydrochloric acid and analysed for copper with an atomic absorption unit.

(d) Results of the Survey:

Sampling of the showings gave very low results.

The soil and sediment survey did not reveal the presence of any intense copper anomalies. Weak anomalies occur on claims Rooney #2 and #4 and are related to the copper mineralization which may be seen in outcrop.

*P. W. Richardson*

P. W. Richardson, P. Eng.

June 3, 1969.

APPENDIX I

BREAKDOWN OF COSTS

		<u>Period</u>	<u>Wage Rate</u>	<u>Costs</u>
1. P. W. Richardson, 806-525 Seymour St., Vancouver 2, B.C.	Geological Engineer	April 19 & 20, May 6 & 7, June 3	\$ 40/day	\$ 200.00
A. J. Teed, 806-525 Seymour St., Vancouver 2, B.C.	Fieldman	April 17 - May 20 (30 days)	\$500/month	500.00
W. Tippet, Simms Road, Willow Point, V.I.	Assistant	April 17 - May 20 (20 days)	\$400/month	266.66
M. Ratcliffe, Sidney, B. C.	Assistant	May 5 - 20 (15 days)	\$350/month	175.00
P. Taylor, 4216 - 8th Ave., Vancouver 8, B.C.	Assistant	May 5 - 20 (15 days)	\$350/month	175.00
2. Room & Board - 85 man days at \$6.00				510.00
3. Assays:				
16 chip samples at \$3.50				56.00
503 soil & sediment samples at \$1.25				628.75
4. Cost of automobile - 900 miles at 10¢/mile				90.00

\$2,601.41

Declared before me at the City  
of Vancouver, in the  
Province of British Columbia, this 6  
day of June 1969, A.D.

*P. W. Richardson*

**SUB-MINING RECORDER**

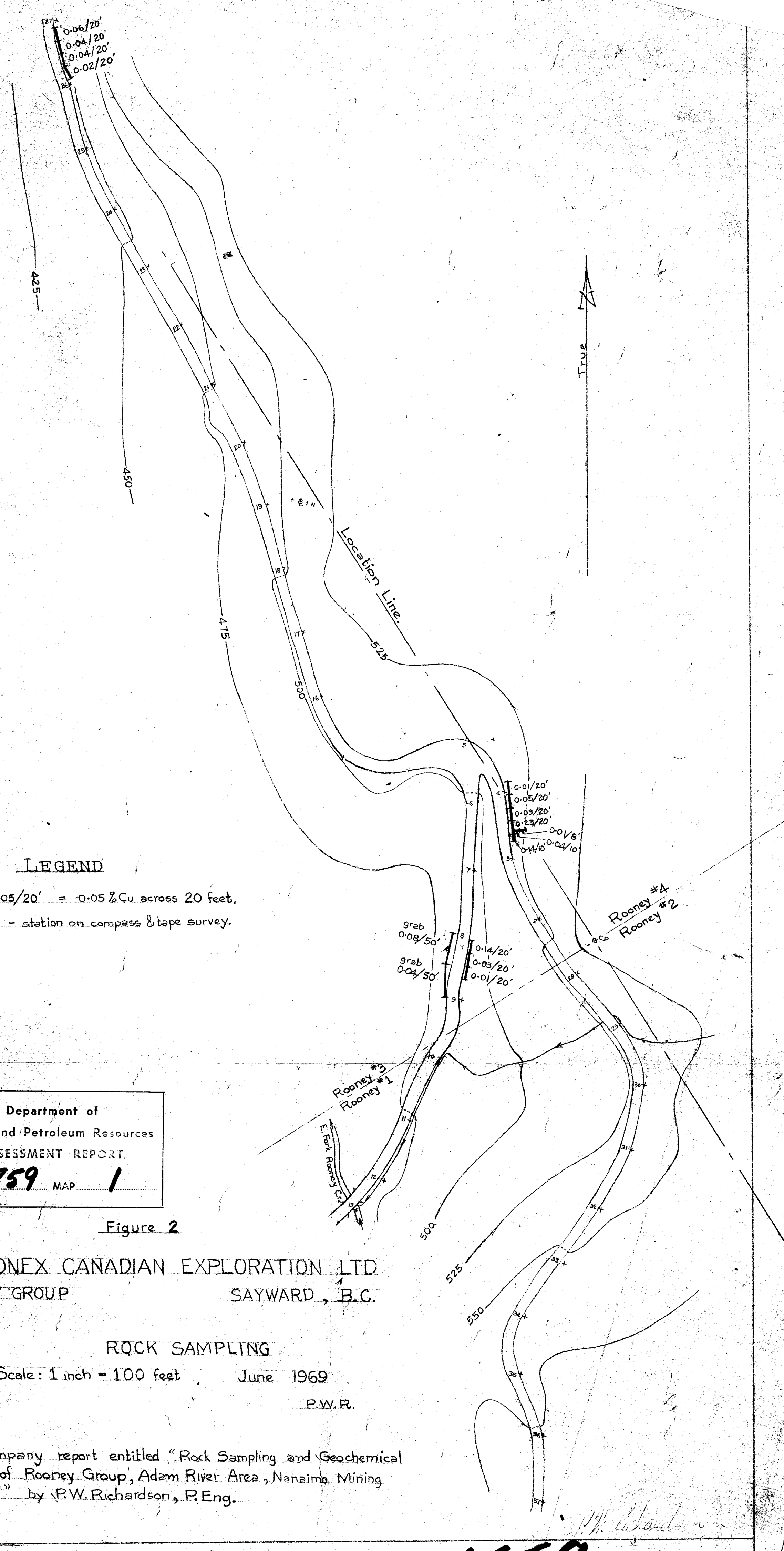
*Jean Turner*  
A Commissioner for Taking Affidavits within British Columbia  
A Notary Public in and for the Province of British Columbia

APPENDIX II

STATEMENT OF QUALIFICATIONS

- P. W. Richardson - P. Eng. (B.C.)  
B.A.Sc. (1949, M.A.Sc. (1950) U.B.C.  
Ph.D. (1955) M.I.T.
- A. J. Teed - Fieldman - many years experience  
in mines in supervisory capacity  
and doing all aspects of field  
work.





**LEGEND**

0.05/20' = 0.05% Cu across 20 feet.  
 +18 - station on compass & tape survey.

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 NO. **1859** MAP **1**

Figure 2

NEWCONEX CANADIAN EXPLORATION LTD  
 ROONEY GROUP SAYWARD, B.C.

**ROCK SAMPLING**

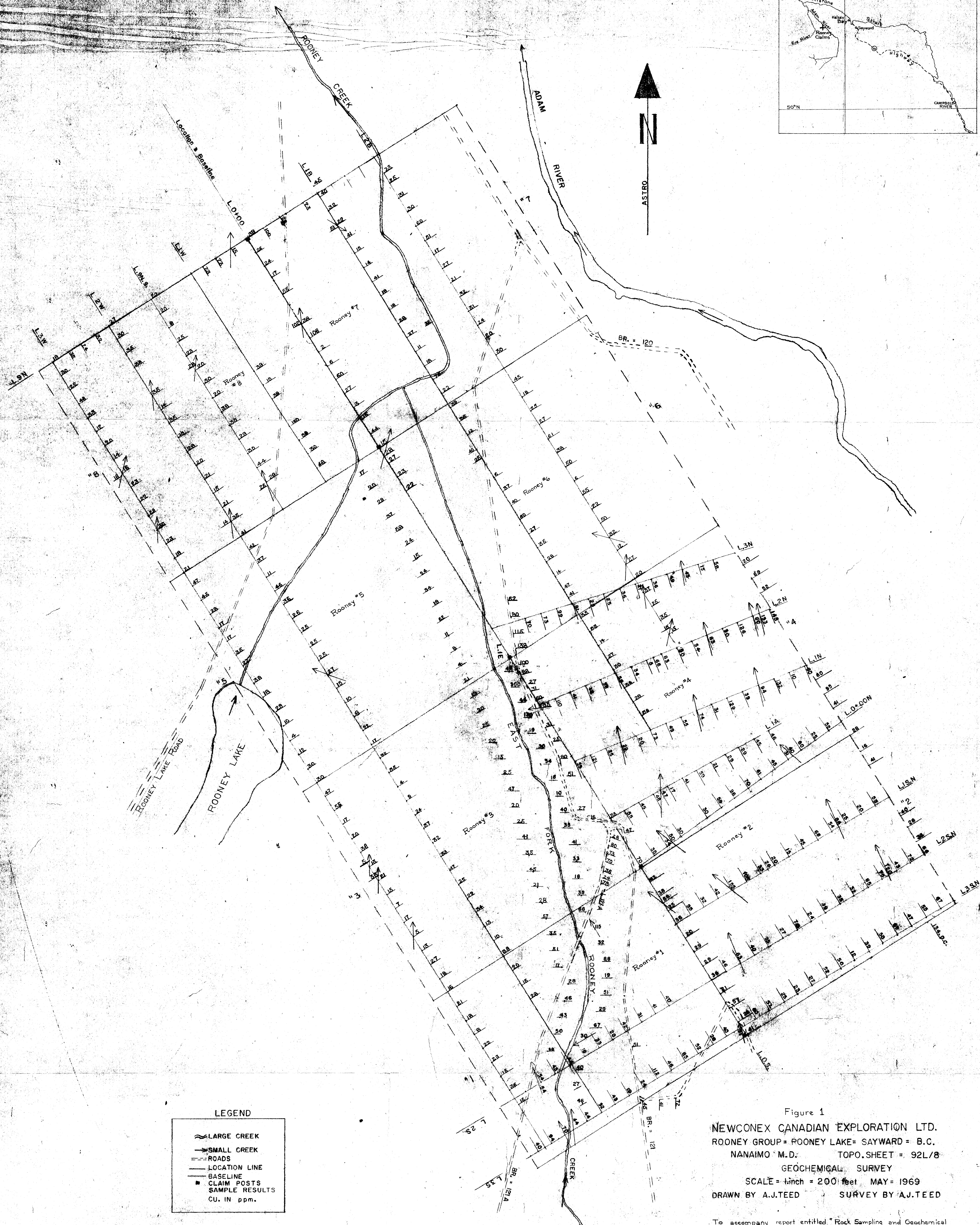
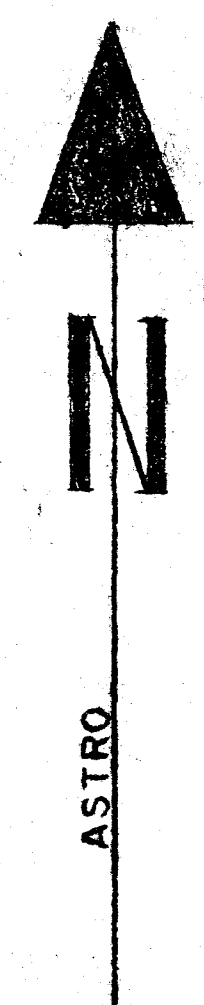
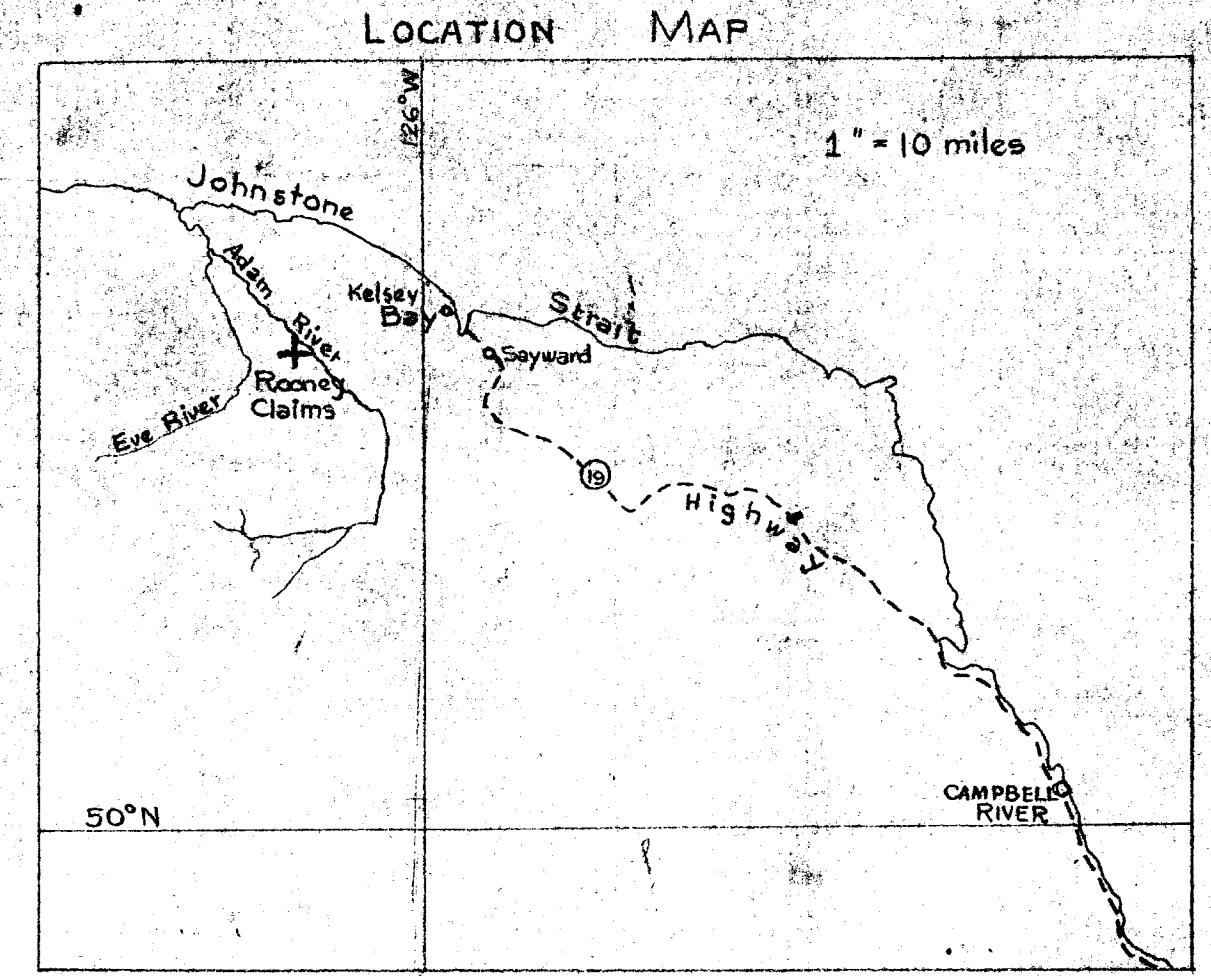
Scale: 1 inch = 100 feet June 1969

P.W.R.

To accompany report entitled "Rock Sampling and Geochemical Survey of Rooney Group, Adam River Area, Nahaimo Mining Division" by P.W. Richardson, P.Eng.

*P.W. Richardson*  
**1859**





**LEGEND**

	LARGE CREEK
	SMALL CREEK
	ROADS
	LOCATION LINE
	BASELINE
	CLAIM POSTS
	SAMPLE RESULTS
	CU. IN ppm.

Figure 1  
**NEWCONEX CANADIAN EXPLORATION LTD.**  
 ROONEY GROUP = ROONEY LAKE = SAYWARD = B.C.  
 NANAIMO M.D. TOPO. SHEET = 92L/8  
**GEOCHEMICAL SURVEY**  
 SCALE = 1 inch = 200 feet MAY = 1969  
 DRAWN BY A.J. TEED SURVEY BY A.J. TEED

To accompany report entitled "Rock Sampling and Geochemical Survey of Rooney Group, Adam River Area, Nanaimo Mining Division." by P.W. Richardson, P. Eng.

Department of  
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1859 *P.W. Richardson*