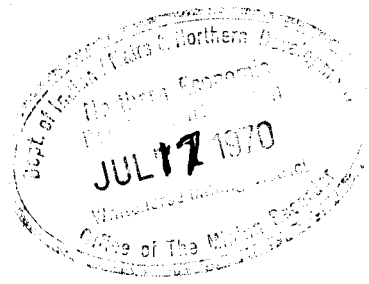


17 Jul



REPORT on
GEOLOGICAL and GEOCHEMICAL PROGRAM
APRIL 15, 1970 - JULY 4, 1970
BEAVER - MINK GROUP
61° 12' N, 124° 11' W
105-E-1, Whitehorse M.D., Yukon Territory



This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 24505

D.R. Craig
Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

[Signature]
Commissioner of Yukon Territory

by

P.H. Sevensma, Ph.D., P.Eng.

PETER H. SEVEN SMA CONSULTANTS LTD.

July 16, 1970.

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ILLUSTRATIONS

Fig. 1 - Location - Beaver - Mink claims	1" = 50 miles
Fig. 2 - Beaver Mink claim map	1" = $\frac{1}{2}$ mile
Fig. 3 - Geochemical Reconnaissance	1" = 200'
Fig. 4 - Main copper anomalies	1" = 400'
Fig. 5 - Geology showing area	1" = 200'
Fig. 6 - Geologic map	1" = 200'

REPORT on
GEOLOGICAL and GEOCHEMICAL PROGRAM
APRIL 15, 1970 - JULY 4, 1970.
BEAVER - MINK GROUP
61° 12' N, 124° 11' W
105-E-1, Whitehorse M.D., Yukon Territory

1. INTRODUCTION

The Beaver group of 8 claims was examined by the writer on December 3, 1969 and the accessible outcrops sampled. Subsequently, the Mink 1 - 50 and Mink 53 - 54 claims were staked along the extension of the mineralized structure.

A detailed exploration program was started April 15, 1970, consisting of linecutting, geological mapping, soil sampling and magnetic surveying.

At the time of writing, initial soil sampling and geological mapping were completed, bulk sampling was still in progress and magnetic surveying was delayed due to instrument breakdown.

Further soil sampling is clearly required.

This report summarizes the work done to July 4, 1970, in order to file it as representation work.

2. PROPERTY, LOCATION, ACCESS

The property consists of the following claims:

<u>Name</u>	<u>Record No.</u>	<u>Expiry Date</u>
Beaver 1 - 8	Y35644 - 51	July 4, 1970
Mink 1 - 50	Y45788 - 837	December 22, 1970
Mink 53 - 54	Y45838 - 839	December 22, 1970

The claims are located at about Lat. $61^{\circ} 12' N$ and Long. $134^{\circ} 11' W$, between elevations of 3,250' and 5,000', on N.T.S. sheet 105-E-1, 45 air miles NE of Whitehorse.

The group covers the most Northerly of the two Loon Lakes. This lake is nearly 1 mile long and affords excellent access by float-plane from Whitehorse.

The mineralized hill side is exposed to the SE and is covered by a light growth of jackpine and poplar.

There is sufficient water for drilling purposes on the property and fairly abundant good timber up to 16" butts South of the showing area.

The main showing lies about 1,000' N of Loon Lake.

The climate is typical Yukon, and the area lies in a belt of moderate snowfall.

3. HISTORY

The only reference to this property is by H.S. Bostock, 1938, G.S.C. memoir 217, page 28, which may be quoted as follows:

QUOTE

Prior to 1900 a group of claims was staked in the Southeast corner of the map-area. The ground has since been restaked and

exploratory work has been done from time to time. The claims lie on the West side of the valley joining the valley in which Loon Lakes lie with the valley of Fish Creek. The country rocks are grey schists, quartzite, and limestone of the Yukon group. The workings, consisting of two adits, are on a hillside facing East and rising steeply from the valley floor. When visited, in 1931, the adits had collapsed. The entrance to the lower is 250 feet above the valley floor, that of the higher is 50 feet Northwest and 50 feet higher. According to notes taken by D.D. Cairnes in 1907, on the occasion of a visit to the property, the lower adit was 180 feet or more, perhaps 270 feet long and the upper 50 feet long. They are driven in a 35-foot zone that is much iron stained and, in places, copper stained. A short distance South large quartz bodies strike parallel to the schistosity of the enclosing rocks and pinch and swell in short distances. One body is 75 feet wide where widest. Most of the quartz is white. The large bodies are traversed by numerous quartz veins 2 to 4 inches wide, and some of which are 20 feet or more long. Much of the quartz appears to be barren, but in areas of various sizes up to 20 feet by 20 feet, the quartz holds much finely granular pyrite, a little chalcopyrite, and patches of malachite and azurite.

UNQUOTE

The property has been covered by eight claims, held by various people, for the last ten years, and for a number of years before that.

No work of consequence has ever been carried out since the 1938 report, the main reason being perhaps that potential road-access is not too easy, as this group lies East of the Teslin River.

Some ten miles to the NNW, the Livingstone placer camp has had considerable attention from time to time, but heavy overburden in this camp has discouraged a more persistent investigation of what are said to be significant gold values in the gravels.

The fact that the better reported copper-values occur in quartz, has probably discouraged many engineers from a more thorough examination of this occurrence.

However, the writer has noted that the chalcopyrite is nearly always carried as fine grained sulphides in schist-fragments in a quartz matrix, or in chalcopyrite specks and veinlets in cherty quartzite, and in the writer's opinion, this is a very favorable factor, and this showing is a most promising one.

The description by H.S. Bostock, based on the 1907 notes by D.D. Cairnes, is not particularly encouraging, and does not reflect the abundance of chalcopyrite in some of the schist and does not refer to the chalcopyrite in disseminations and veinlets associated with malachite stain in the cherty quartzite. At that early date, interest was mainly centered on gold and a few percent copper was not considered of any interest.

4. REGIONAL GEOLOGY

The showings appear to lie conformably within the NW trend of the Yukon Schists, about four miles West of the edge of the Quiet Lake batholith.

A small satellite intrusive lies two miles SE of the main showing.

About one mile to the West, the edge of the Whitehorse trough consists of Hutshi Group lavas of Triassic Age. Tertiary basalts cover a 15 mile square area five miles SW of the showings.

Small intrusives, recent lavas and strong NW lineaments provide a geologically favorable regional framework for this showing.

5. SHOWINGS

The copper occurs as fine specks and veinlets of chalcopyrite in a 100' - 150' wide zone of cherty quartzite, and as replacement in the poorly exposed adjoining schists, where often milk-white quartz cements mineralized schist-fragments. The quartz is frequently a type that may be auriferous.

Attitude of the mineralized zone is N 10° W with a 75° dip to the West.

The following assays are available: samples 201, 202 and 203 were taken by the writer on December 3, 1969; 209 is a composite assay of samples taken in June 1969 by prospectors B. Murdock and N. Saunders and submitted to the writer for appraisal. Other samples (5447-2 and 5466-3) had been submitted previously by the prospectors to Whitehorse Assay Office for assay in August 1969.

<u>Sampler</u>	<u>S. No.</u>	<u>Location</u>	<u>Width</u>	<u>Weight in lbs.</u>	<u>% Cu.</u>	<u>Oz./t. Au.</u>	<u>Oz./t. Ag.</u>
<u>1. Assays by Coast Eldridge, December 22, 1969</u>							
P.H. Sevensma	201	In place	35'	11	.47	tr.	.2
P.H. Sevensma	202	In place	2'	4.5	1.14	tr.	.4
P.H. Sevensma	203	Float	± 100'	3.5	.58	.03	.3
B. Murdoch	209	Miscellaneous	?	4	3.78	.09	.7

2. Assays by Whitehorse Assay Office, 5477-2 and 5466-3, August, 1969.

L.N. Saunders	1			?	6.7	.04	N.A.
L.N. Saunders	2			?	1.41	.06	N.A.
L.N. Saunders	1			?	2.9	N.A.	N.A.
L.N. Saunders	2			?	4.7	.12	N.A.
L.N. Saunders	3			?	N.A.	tr.	N.A.

At the time of the writer's prospecting and examination trip, a one foot snow cover rendered examination of old showings and workings impractical; the reported position of some of these showings however, indicates that the overall zone is probably at least some 200' wide, and perhaps considerably more.

Small outcrops occur on either side of the big cherty quartzite outcrop, and these are the schist-showings carrying chalcopryrite and quartz.

None of the reported old tunnels could be visited, but old-time prospectors familiar with the early history have reported to the writer that one of these intersected 80' - 90' of 2% - 2.5% Cu.

In summary, there is a 150' wide cherty quartzite zone carrying in the vicinity of 0.5% Cu. and adjoining schist-quartz zones of unknown

widths carrying from 1% - 5% copper.

The potential of this showing is excellent for a large deposit in the 0.5% - 1.5% Cu. range. The possibility of significant amounts of 2% - 2.5% Cu. is good.

6. LOCAL GEOLOGY

The nature of the deposit is not clear from the available exposures. Very little pyrite has been observed, and the outcrop area is characterized by a light-brown rust and sometimes very intense malachite staining, both quite typical of chalcopyrite-weathering in siliceous rocks.

The chalcopyrite appears to be epigenetic in relation to a thick quartzite bed.

In the schists fragments, the chalcopyrite could be of "syngenetic" origin with local remobilization.

Nothing resembling porphyry-type alteration has been observed.

Regionally, the occurrence lies in a belt of late intrusives.

Further investigation is required to determine whether this deposit is of a stratabound type with the quartz originating in the deformation of siliceous schists and of quartzites, or whether perhaps it is a typical epigenetic deposit related to a nearby late intrusive plug.

7. LINECUTTING

A total of 16 miles of line were cut, and subsequently tied in by transit-survey. Due to an exceptionally late spring, the snow was late in leaving the area above 4,000' and the break-up period was slow, rendering access other than by helicopter impossible for about a four week period between May 9 and June 4, 1970. Last flight on skis was May 8 and first flight on floats was June 5, 1970.

The late snow at higher elevations slowed linecutting and necessitated cleaning up the lines after the snow was gone in this part of the grid.

To the West of the base-line, frost in the ground interfered with soil sampling until late June and fill-in and added sampling may have to be carried out later in the season.

8. SOIL SAMPLING

Both soil and rock sampling were used for geochemical reconnaissance.

Soil sample stations are spaced 100' apart in the centre of the area, and wider spacing has been used on the East fringes of the grid.

In the Western portion of the grid, heavy frost in the ground has so far precluded taking the required number of satisfactory soil samples.

Samples were taken in the "B" horizon at a depth of about 12" with a mattock. A thin lensy, greyish-cream ash layer up to 3"

thick occurs a few inches below the surface and tends to remain frozen longer than expected.

In areas of rock outcrop and poor soil development, rock-chip samples were taken from local or nearby rock-outcrops; these samples are identified by the letter R on figure 3.

The samples were placed in standard paper bags and hung in the camp to dry before forwarding to Vancouver Geochemical Laboratories, 1521 Pemberton Avenue, North Vancouver, B.C.

Routine assaying was done for copper and silver on the -80 mesh portion, using 0.5 gram of material. Hot extraction was obtained by HClO_4 and HNO_3 , and values were determined by Atomic Absorption using Techtron AA4 and AA5 instruments.

Some lines were also assayed for molybdenum by the same method.

The following number of samples were assayed:

<u>Report No.</u>	<u>Date</u>	<u>No. of samples</u>
70-80-002	June 24, 1970	203 soils, Cu, Ag
70-80-003	June 27, 1970	41 rock, Cu, Ag
70-80-004	June 27, 1970	188 soils, Cu, Ag
70-80-006	<u>July 2, 1970</u>	<u>31 rock, Cu, Ag</u>
Total	to July 2, 1970	463 samples
70-80-005	June 26, 1970	49 soils, Mo

The 49 assays in report 70-80-005 were samples from report 70-80-002 run for Mo along the following lines:

Line 16, from 0 to 14+00 East
 Line 18, from 0 to 10+00 East
 Line 24, from 0 to 14+00 East
 Line 40, from 0 to 15+00 East

All molybdenum values were background from nd (not detected) to 2 p.p.m., with only 2 samples showing values of 3 p.p.m., and one sample of 4 p.p.m. (L16, 6 & 7E, and L18, 2E).

These results suggest that this occurrence is not of a "porphyry-type", and no further assaying for Mo. is contemplated at this time.

9. SOIL SAMPLING RESULTS

No statistical background and threshold were worked out for the soils, as these are quite obvious from field observations. As well, the sampled grid is not complete enough to obtain a possibly meaningful statistical analysis. For copper, background ranges from 8 - 30 p.p.m., and threshold is about 50 p.p.m.

Further geological interpretation is expected to assist in evaluating the significance of values in the 30 - 60 p.p.m. Cu range.

Silver background is 0.5 - 1.0 p.p.m., and in the showing-area values range from 1.0 - 3.0 p.p.m.

This is entirely in line with original assay results, which show low silver values only in the chalcopyrite, i.e. .2 - .7 ^{oz}/t. Ag for .47 to 3.78% Cu.

Anomalous values in Cu at higher elevations to the North lie on strike with the main showing and copper anomalous area. They indicate that copper-concentrations do occur along the extrapolated strike of the well mineralized part of the structure. These local concentrations could be part of a halo overlying a North plunging

concentration, especially so as the most Northerly values on L60, 7+00E, L64, 9+00E and L76, 1+00W, of respectively 82, 93 and 330 p.p.m., lie some 1,000' in vertical elevation above the main showing.

The rock chip samples fall more definitely into two categories, one generally low from 3 - 33 p.p.m., and one generally anomalous from 102 - 1600 p.p.m., with only 4 samples in the 50 - 80 p.p.m. range.

In the field, much leaching is evident with patchy boxworks of orange-red limonite strongly suggestive of oxidation of chalcopyrite. Sometimes small remnants of chalcopyrite can still be observed within these patchy boxworks.

It is therefore believed that soil-sampling provides better data than the rock samples on what the underlying un-weathered formations may carry in copper.

Tentatively, our interpretation of the soil sampling data available so far is as follows with regards to copper:

Background:	8 - 29 p.p.m.
Threshold zone:	30 - 59 p.p.m.
Anomalous:	≥ 60 p.p.m.

Contouring of the results on figure 3 is based on these values.

The map shows clearly those areas requiring extension of soil sampling.

At present, substantial anomalous areas are indicated from about 800N to 2600N and from 3400N to 5800N, with some low anomalous

values in between and anomalous to high values at the end of some of the lines.

10. GEOLOGICAL MAPPING, by W. Rehrig

Twenty-three days have been spent preparing a preliminary geologic map (enclosed). Mapping initially progressed along the cut N 20° W, N 70° E grid lines. Later, fill-in mapping between grid lines completed the work.

The area of the prospect occurs totally within the meta-sedimentary Yukon series. On the property, this metamorphic sequence includes interbedded schists and quartzites. A rough stratigraphic break can be recognized between a thick chlorite, sericite, quartz schist sequence on the West of the mapped area and a quartzite lithology on the East. The quartzites are interbedded with minor schists and arenaceous schists. Intruding the metamorphic rocks are sills and dikes of diabase to diorite. This intrusive rock has itself also been metamorphosed.

The metamorphics have been isoclinally folded along a NNW axis. Dips are high, usually greater than 50° and inclined generally to the West or Southwest. Along the Northern part of the mapped area, foliation attitudes depart from the regional NNW to NW trends. Here NNE strikes are found.

Several faults have been mapped. One strikes about N 20° W and is located in the South part of the grid. This structure displaces the contact between the schist and quartzite sequences.

Another major fault of NE trend is suspected, which cuts through the Northern portion of the prospect. This fault is believed to account for the significant change in strike from NNE to NNW across the structure from North to South.

Scattered copper occurrences have been mapped in close association with quartz and pyrite through the property. The copper occurs as relatively high-grade zones with heavy white quartz veins and as weaker disseminations through schist and quartzite. At least three high grade areas have been discovered.

In addition to the chalcopyrite, pyrite and arsenopyrite (?) occurs in certain areas in amounts up to 5%. Where the arsenopyrite is found copper is absent, even though quartz and silicification are a common gangue to both metallic minerals. The pyrite - arsenopyrite mineralization is believed to be distinct and earlier than the copper mineralization. Both phases of mineralization may however be closely associated with deep-seated processes involved during folding and metamorphism of the host rocks.

11. SUMMARY and RECOMMENDATIONS

This prospect has responded well to systematic exploration, showing widespread distribution of copper.

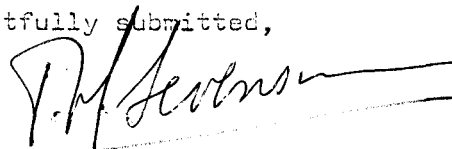
As the program continued beyond July 4, 1970, and as the bulksampling is not yet completed, final conclusions can not yet be drawn.

However, it is recommended that a selective IP survey be carried out over certain portions of the area of work, to determine where major concentrations of sulphides occur at depth.

From the work done to date, subsequent core-drilling appears warranted.

A more detailed report and a final geological map will be presented as soon as this initial stage of work is completed.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'P.H. Sevensma', with a long horizontal flourish extending to the right.

P.H. Sevensma, Ph.D., P.Eng.
PETER H. SEVENSMA CONSULTANTS LTD.

Vancouver, B.C.
July 16, 1970.

APPENDIX "A"

Beaver - Mink Group, 105-E-1, Whitehorse M.D.

This project is known as Quested Project

List of firms and personnel employed on Quested Project

Period: April 15 - June 30, 1970

1. Peter H. Sevensma Consultants Ltd., Whitehorse, Y.T. and Vancouver, B.C.

(a) Staff

P.H. Sevensma, Ph.D., P.Eng., 6 days, intermittent.
H.S. Aikins, Senior Technician, 11½ days, intermittent.
V. Cukor, Geologist, 11 days, May 3 - 13, 1970.
K. MacPhee, Technician, 2½ months, April 15 - June 30, 1970.
A. Oliveric, draftswoman, 2½ days, intermittent.

(b) Temporary Labour

	<u>Period</u>	<u>Days</u>
A. Munson	April 18 - May 7, 1970	20
G. Kreibig	April 18 - May 4	17
H. Troelitzsch	April 18 - May 4	17
F. Bakonyi	May 4 - June 30	43
E. Bouchard	May 4 - May 11	8
W. Monroe	May 11 - May 15	5
P. Charlie	May 8 - May 26	18½
G. Blair	May 20 - May 25	5½
W. Malone	May 16 - May 25	9½
S. Sawrenko	May 26 - June 8	14
D. Calbery	May 26 - June 8	14
<u>P.J. Lomak</u>	<u>June 9 - June 30</u>	<u>22</u>
12 men	April 18 - June 30, 1970	193½ days

2. Donaldson Securities, Vancouver, B.C.

W. Rehrig, Geologist June 7 - June 30
A. Audet (Assistant Geologist) June 7 - June 30

3. Vancouver Geochemical Laboratories, Vancouver, B.C.

C. Chun, Chief chemist
L.J. Nicol, Supervising chemist

4. Terrikon Enterprises, Whitehorse, Y.T.

Expediting Services

5. Trans North Turbo Air, Whitehorse, Y.T.

Transportation during break-up

.....

6. Globe Air, Whitehorse, Y.T.

Mostly transportation before break-up

7. Great Northern Air Services, Whitehorse, Y.T.

Mostly Beaver - transportation after break-up

8. Other Suppliers, Whitehorse, Y.T.

Seely's (Yukon), Taylor & Drury Ltd., Nelson's Ltd., White Pass Petroleum Services, Terrikon Electronics, Molloy's Frozen Foods, Consolidated Hydrocarbons, General Enterprises, Burns Food, Hougens Ltd., Explosives Ltd.

*certified correct
July 15, 1970.*

V. H. Stevens

APPENDIX "B"

Beaver - Mink Group

105-E-1, Whitehorse M.D.

This project is known as Queted Project

All Costs incurred by Queted Project and handled by Peter H. Sevensma Consultants Ltd. are as follows, for the period April 15 - June 30, 1970.

1. Details

<u>Inv. No.</u>	<u>Period</u>	<u>Services</u>	<u>T. Labour</u>	<u>Expenses</u>	<u>Misc. Disb.</u>
1	April 1 - 15	300.00		645.02	202.00
2	April 1 - 15				412.96 (camp)
3	16 - 30		1,606.02		
4	16 - 30	1,310.00		270.40	346.85
5	May 1 - 15		1,976.44		
6	1 - 15				1,232.21
7	1 - 15	1,797.50		198.55	3.60
8	16 - 31		2,038.41		
9	16 - 31	90.00		75.35	1,781.96
10	June 1 - 15		1,564.84		
11	1 - 15	1,411.25		171.00	2,008.92
12	16 - 30		782.42		
13	16 - 30	1,275.00			255.00
					876.10
14	19 - 30				165.25
15	1 - 30				318.48
<hr/>					
Total	Apr. 15 - June 30	\$6,993.75	7,968.13	1,360.32	7,683.35

2. Summary

Services	\$6,993.75
Casual labour	7,968.13
Expenses	1,360.32
Misc. disb.	<u>7,683.35</u>
Total	<u>\$24,005.55</u>

.....

3. Main Miscellaneous Disbursements

Terrikon Enterprises	\$1,384.21
Trans North Turbo Air	1,164.90
Great Northern Air Services	729.00
Globe Air	432.00
Geochemical Assaying	922.90
	<u>\$4,633.01</u>

The balance of about \$3,000.00 consists of:

- Camp construction
- Camp supplies
- Fuel
- Food
- Equipment
- Explosives
- Radio communications

4. Additional Costs

Costs of employing a geologist and geologist assistant by Donaldson Securities during the period June 7 - July 4, 1970 are estimated at \$3,500.00.

5. Total Costs

Peter H. Sevensma Consultants Ltd. charges:	\$24,005.55
Estimated Donaldson Securities costs:	<u>3,500.00</u>
Total expense:	<u>\$27,505.55</u>

Costs of Peter H. Sevensma Consultants Ltd. from July 1 - July 4 have not been included.

Certified correct



P.H. Sevensma Consultants Ltd.

Vancouver, B.C.
July 16, 1970.

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS
EXPLORATION & MINING

P.O. BOX 753
WHITEHORSE, Y.T.
PHONE: 667-2006

715 - 850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Yukon Corporation,
c/o Vancouver, B.C.
1111 Burrard St.,
Vancouver, B.C.

DATE: April 24, 1970.

Period: Apr. 1-16/70.

1

<p><u>Travel</u></p> <p>Travel Vancouver, B.C. - Yukon, 1 day P.H. Sevensma, April 2, 1 day @ \$200.</p>	<p>\$100.00</p> <p><u>200.00</u></p> <p>\$300.00</p>
<p><u>Supplies</u></p> <p>Supplies Vancouver, B.C. - Yukon, April 24/70 Office Supplies - Vancouver, B.C. - Yukon Supplies Vancouver, B.C. - Yukon Supplies Vancouver, B.C. - Yukon, Redoubt, Yukon - Vancouver, B.C.</p>	<p>57.00</p> <p>243.00</p> <p>15.00</p> <p><u>215.00</u></p> <p>\$45.00</p>
<p><u>Printing & Stationery</u></p> <p>Supplies Vancouver, B.C. - Yukon B.C. - Yukon, B.C. - Yukon, B.C. - Yukon Supplies Vancouver, B.C. - Yukon Supplies Vancouver, B.C. - Yukon Supplies Vancouver, B.C. - Yukon Supplies Vancouver, B.C. - Yukon Supplies Vancouver, B.C. - Yukon Supplies Vancouver, B.C. - Yukon</p>	<p>41.00</p> <p>73.07</p> <p>70.00</p> <p>77.00</p> <p>2.75</p> <p>3.50</p> <p>14.78</p> <p><u>222.10</u></p>
<p>ACCOUNT RENDERED</p> <p style="font-style: italic;">May 28/70 - P.H.</p>	<p><u>\$1,227.02</u></p>

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS

EXPLORATION & MINING

P.O. BOX 753
WHITEHORSE, Y.T.
PHONE: 667-2906

715 - 850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Colonial Corporation,
c/o American International,
c/o Thomas Gibson,
Vancouver, B.C.

DATE: April 27, 1970.

2

- 1 copy 1/2" dia. core logs - 800 ft. length
- 2 copy 1/2" dia. core logs - 1000 ft. length
- 1 copy 1/2" dia. core logs - 1000 ft. length
- 4 copy 3/4" dia. core logs - 1000 ft. length
- 1 copy 1/2" dia. core logs - 1000 ft. length
- 1 copy 1/2" dia. core logs - 1000 ft. length
- 1 copy 1/2" dia. core logs - 1000 ft. length
- 1 copy 1/2" dia. core logs - 1000 ft. length
- 1 copy 1/2" dia. core logs - 1000 ft. length

10.00
100.00
100.00
400.00
100.00
100.00
200.00
100.00
100.00
100.00

ACCOUNT RECEIVABLE

1400.00

May 28/70 - Pd.

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS

EXPLORATION & MINING

P.O. BOX 755
WHITEHORSE, Y.T.
PHONE: 667-2906

715 - 850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Calmado Corporation,
c/o Dominion Securities,
555 Thomsen Street,
Vancouver, B.C.

DATE: May 6, 1970.

Period: April 16, - 30, 1970.

Account of Services

3.

Temporary labor employed on Quoted property, April 16 to 30, 1970:

- H. Hansen
- G. Hanning
- H. Thomsen

Wages & benefits -	327.40 per day	
Reimbursement & overhead,		
30% -	100.00	
30 non days @ -	541.60 per day =	1624.80

1624.80

ACCOUNT RENDERED

1624.80

May 28 - PH

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS

EXPLORATION & MINING

P.O. BOX 758
WHITEHORSE, Y.T.
PHONE: 667-2808

715-850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Colorado Corporation,
c/o Dominion Securities,
535 Thurlow Street,
Vancouver, B.C.

DATE: May 6, 1970.

Period: April 16-30, 1970.

Expenses

Expenses:

H.S. Adkins, 5 1/2 days @ \$125.
W. Cohen, 1/2 day @ \$125.
K. MacPhac, 1/2 month @ \$1,400.

500.00
650.00
60.00
700.00

84,200.00

Expenses:

H.S. Adkins
Long distance, H.S. Adkins to Vancouver, Whitehorse
Long distance service charge, 20%
Edgewater Hotel, Invoice #870450
Event Vancouver Airways, tkt. #10070
Globe Air Services, Flight tkt. #5024
Globe Air services, " " #5812

67.00
5.00
1.00
2.25
81.00
54.00
54.00

270.40

Miscellaneous Merchandise:

Dominion Electronics Ltd., inv. #0958
Taylor & Denny Ltd. inv. #11857
Lanterns Retail Ltd.
Taylor & Denny Ltd., inv. #11857
Stationery, 20 copies @ \$0.20
Terraikon Enterprises, inv. #24000, expediting Apr. 20 - 30

36.00
190.00
11.75
20.00
4.00
50.00

346.55

ACCOUNT RENDERED

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

May 20 - P.H.

84,546.55
1927.00

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS

EXPLORATION & MINING

P.O. BOX 758
WHITEHORSE, Y.T.
PHONE: 667-2905

715 - 850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Colorado Corporation,
c/o Donaldson Securities,
535 Thurlow Street,
Vancouver, B.C.

DATE: May 25, 1970.

Period: May 1 - 15, 1970.

Summary of Personnel

Temporary labour employed on quoted projects

A. Hanson, May 1 to 7 - 7 days
H. Tschitzsch, May 1 to 4 - 4 days
G. Kosibig, May 1 to 4 - 4 days
F. Bakonyi, May 4 to 15 - 12 days
E. Beauchard, May 4 to 11 - 8 days
W. Montso, May 11 to 15 - 5 days
P. Charlic, May 8 to 15 - 0 days
48 days

Wages & benefits \$27.45 per day
Administration, 50% 13.73
48 man days @ 41.18 per day = \$1,976.64

ACCOUNT RENDERED

\$1,976.64

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS
EXPLORATION & MINING

P.O. BOX 756
WHITEHORSE, Y.T.
PHONE: 607-2906

715 - 850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Selanide Corporation,
c/o Donaldson Securities,
885 Thurlow Street,
Vancouver, B.C.

DATE: May 25, 1970.

Period: May 1 - 15, 1970.

Exp. Detailed Statement

6.

General Expenses

Club Air Services ticket #0810	\$ 54.00
General Enterprises Ltd., #31543	48.00
" " " #31539	275.07
Nelson's Ltd, #12500	34.24
Northern Retail Sales (Yukon) #40001	(11.75)
Globe Air Services ticket #3514	54.00
" " " " 0516	54.00
" " " " 0517	54.00
" " " " 0518	54.00
" " " " 0520	54.00
Canadian Propane #4005	3.25
Yukon Sporting Goods, #40	12.95
Taylor & Bony #14278 - 14301 - 14292	131.65
Nelson's Ltd., #4500 - 13045 - 13140 - 13144	46.18
Trans North Yukon Air, CRT. #4095	212.40
Yamlikon Electronics, #0965	135.00
White Pass Petroleum Services, #755144	23.55

ACCOUNT RENDERED

31,202.21

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS

EXPLORATION & MINING

P.O. BOX 758
 WHITEHORSE, Y.T.
 PHONE: 667-2906

715 - 850 WEST HASTINGS ST.
 VANCOUVER 1, B.C.
 PHONE: 682-7155

INVOICE TO: The Columbia Corporation,
 c/o Tomlinson Consultants,
 808 Thurlow Street,
 Vancouver, B.C.

DATE: May 28, 1973.

Period: May 1 - 18, 1973.

Invoice No. 7

Description	Amount
Consultant, P.H. Sevensma, 1 day, office	\$ 110.00
Under Technician, R.S. Adams, 1 day @ \$100.00 per day	100.00
Geologist, V. Sahan, 1/3 month @ \$2,400.00 per month	800.00
Technician, K. MacPherson, 1/2 month @ \$1,400.00 per month	700.00
Shovelling, 1/2 day @ \$200.00 per day	100.00
	\$4,110.00
G.P.A. One letter, V. Sahan, Vancor. to Whac. G.P.A. One letter, V. Sahan, Whac. to Vancor. V. Sahan, travelling expenses May 18 - Late Fall Exp., R.S. Adams to Tomlinson Ent., Whac. Late service charge, etc. Cash statement, G.S. No. 039	50.00 50.00 10.00 3.00 1.00 2.00 128.00
	150.00
Accounting to May 1973, 10 copies @ \$0.20 per copy	20.00
	\$4,280.00
ACCOUNT RENDERED	\$4,280.00

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS

EXPLORATION & MINING

P.O. BOX 758
WHITEHORSE, Y.T.
PHONE: 667-2906

715 - 850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Colorado Corporation,
c/o Landmark Securities,
515 Thurlow Street,
Vancouver, B.C.

DATE: June 2, 1970.

Period: May 16 - 31, 1970.

By: *[Signature]*

Temporary labour employed on Canada property:

Garold Klein	May 20 to 25 A.M.	5½ days
Wayne Wilton	16 to 25 A.M.	9½ days
Frank Bakonyi	16 to 20	5 days
Frank Bakonyi	20 to 31	7 days
Peter Chasla	16 to 25 A.M.	10½ days
S. Samsonko	25 to 31	6 days
D. Colburn	26 to 31	<u>6 days</u>
		45½ days

Wages & benefits = 127.42 per day

Administration, 50% = 11.12

45½ non days @ 641.10 = 22,830.41 ✓

ACCOUNT NUMBER

22,830.41

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS

EXPLORATION & MINING

P.O. BOX 758
WHITEHORSE, Y.T.
PHONE: 667-2006

715 - 850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Calumet Corporation,
c/o Canadian Securities,
400 Franklin Street,
Vancouver, B.C.

DATE: June 2, 1973.

Period: May 16 - 31, 1973.

Exp. Invoiced Amount

Salaries

Senior Technician, W.S. Atkins, 2 days @ \$400.00 per day
Ken MacPhee, 1 month @ \$1,400.00

\$800.00
1,400.00

5900.00

Expenses

W.P.A. cont. #402203, W.S. Atkins 1/3 of return
Your share field expenses

35.00
20.00

75.00

Supplies & Miscellaneous

Trans North Radio Aids, invoice #40309
Trans North Radio Aids, invoice #4100
Socyl's (Vancouver) Ltd., invoice #20
Taylor & Francis, invoice #40370
Tenniken Electronics Ltd. - radio rental
Hansen's Ltd., invoice #414379
Pillay's #414540
Aeroking, 6 copies @ \$0.20
Trans North Radio Aids, invoice #4037
Tenniken Enterprises Ltd., invoice #24379

240.00
200.00
31.00
4.75
100.00
10.00
0.00
1.00
210.00
410.75

1,000.75

Carried forward

\$2,328.27

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

Brought forward

\$2,328.27

Supplies & Miscellaneous (Cont'd.)

Hansen's Ltd., invoice #414000
Pillay's Pilsen Foods, invoice #01204
" " " " 01205
" " " " 01303
Eaton Foods Ltd., invoice #AC-1000
" " " " #C-01300
Hansen's Ltd., invoice #20040
Socyl's bank voucher - postage
" " " " invoice #1000
" " " " 10000
Tenniken Ltd., invoice #00000

0.00
40.00
31.00
31.00
170.00
11.00
100.00
0.00
1.00
0.00
0.00
0.00
0.00

ACCOUNT RENDERED

\$2,328.27

10

Re: Quonset Project

Temporary labour employed at Loon Lake Camp:

Dennis Callaway	June 1 - 8	8 days
Sergius Samsonko	June 1 - 8	8 days
Frank Bakonyi	June 1 - 15	15 days
Peter J. Lemak	June 9 - 15	<u>7 days</u>
		38 days

Wages & benefits \$27.45 per day
 Administration &
 overhead, 50% 13.73
 38 man days @ \$41.18 = \$1,564.84

ACCOUNT RENDERED

\$1,564.84

PETER H. SEVENSMA CONSULTANTS LTD.

PETER H. SEVENSMA, PH.D., P.ENG.

Consulting Geologist • Exploration and Mining

715 - 850 WEST HASTINGS STREET VANCOUVER 1, B.C.

P.O. BOX 758, WHITEHORSE, YUKON TERRITORY

403 - 667-2906

June 22, 1970.

I N V O I C E

To: The Colorado Corporation,
c/o Donaldson Securities,
535 Thurlow Street,
Vancouver, B.C.

Period: June 1 - 15, 1970.

Re: Guested ProjectServices:

P.H. Sevensma, 2 days field, June 8 & 9	
1 day office	\$570.00
Senior Technician, H.S. Aikins, 1 day @ \$100.00	100.00
Technician, K. MacPhee, 1/2 month @ \$1,400.00 per mo.	700.00
Drafting, 1/2 day @ \$55.00	41.25
	<u>1,411.25</u>

\$1,411.25

Expenses:

June 8 - C.P.A. tkt. #417187, P.H. Sevensma, Vancr. - Whse.	83.00
June 9 - C.P.A. tkt. #445736, P.H. Sevensma, Whse. - Vancr.	83.00
P.H. Sevensma travel expense, 1 cab to airport	5.00
	<u>171.00</u>

171.00

Miscellaneous Disbursements:

Nelson's Ltd.	3.38
\ Trans North Turbo Air #4642	232.50
Terrikon Enterprises, invoice #15088 (May expediting)	115.00
Igloo Sporting Goods, invoice #41	23.20
Whitehorse Assay Office	42.00
\ Nelson's Ltd., invoice #12888	61.14
" " " #13021	1.90
" " " #13083	3.15
" " " #13140 (credit)	(2.70)
Taylor & Drury, invoice #14141	75.26
" " " #12125	6.08
\ Molloy's Frozen Foods, invoice #40	131.57
Terrikon Enterprises, invoice #15092	32.50
\ Terrikon Enterprises, invoice #15286	142.79
\ Terrikon Enterprises, invoice #15267	211.01
" " " #24094	397.94
Consolidated Hydrocarbons, invoice #001313	3.75
Great Northern Airways, tkt. #18854	81.00
April 27 - L.D. Toll, H.S. Aikins to Terrikon, Whitehorse	7.60
May 21 - " " H.S. Aikins, Watson Lake to Vancr.	2.75
	<u>1,571.82</u>

1,571.82

Carried forward

\$3,154.07

PETER H. SEVENSMA CONSULTANTS LTD.

PETER H. SEVENSMA. PH.D., P.ENG.

Consulting Geologist • Exploration and Mining

715 - 850 WEST HASTINGS STREET VANCOUVER 1, B.C.

P.O. BOX 758, WHITEHORSE, YUKON TERRITORY

403 - 667-2906

June 22, 1970

.... 2

I N V O I C E

To: The Colorado Corporation

Period: June 1 - 15, 1970.

11.

Re: Quested Project (Cont'd.)

Brought forward

\$3,154.07

Miscellaneous Disbursements (Cont'd.)

May 5 - L.D. Toll, V. Cukor to Whitehorse, collect	\$ 8.25
May 24 - " " H.S. Aikins from Whitehorse (667-2906)	9.00
May 10 - " " P.H. Sevensma, Whse. to Vancr. (872-7356)	2.90
L.D. Service Charge, 20%	6.10
Riley's invoice #115671	5.65
Riley's invoice #115949	2.35
Xeroxing, 20 copies @ \$0.20	4.00
Terrikon Enterprises Ltd., invoice #15272	21.21
May 29 - Terrikon Electronics Ltd., invoice #1001	135.00
June 14 - G.N.A. Tkt. #18660	81.00
June 14 - Terrikon Enterprises, invoice #15289	137.63
May 6 - Taylor & Drury Ltd., invoices 14542, 15514, 16015	<u>24.01</u>

\$ 437.10

ACCOUNT RENDERED

\$3,591.17

Terms: Due within the month following the month within which the expenditure was made, or within 30 days, whichever is the lesser.

PETER H. SEVENSMA CONSULTANTS LTD.

CONSULTING GEOLOGISTS

EXPLORATION & MINING

P.O. BOX 758
WHITEHORSE, Y.T.
PHONE: 667-2906

715 - 850 WEST HASTINGS ST.
VANCOUVER 1, B.C.
PHONE: 682-7155

INVOICE TO: The Colorado Corporation,
c/o Donaldson Securities,
538 Thurlow Street,
Vancouver, B.C.

DATE: June 30, 1978.

Period: June 16 - 30, 1978.

Re: Quartz Mining

12.

Temporary Labour employed on Requested property:

Bukonyi, Frank - June 16 - 19 - 4 days
Lomak, Peter J. - June 16 - 30 - 15 days
19 days

Wages & benefits \$27.45 per day

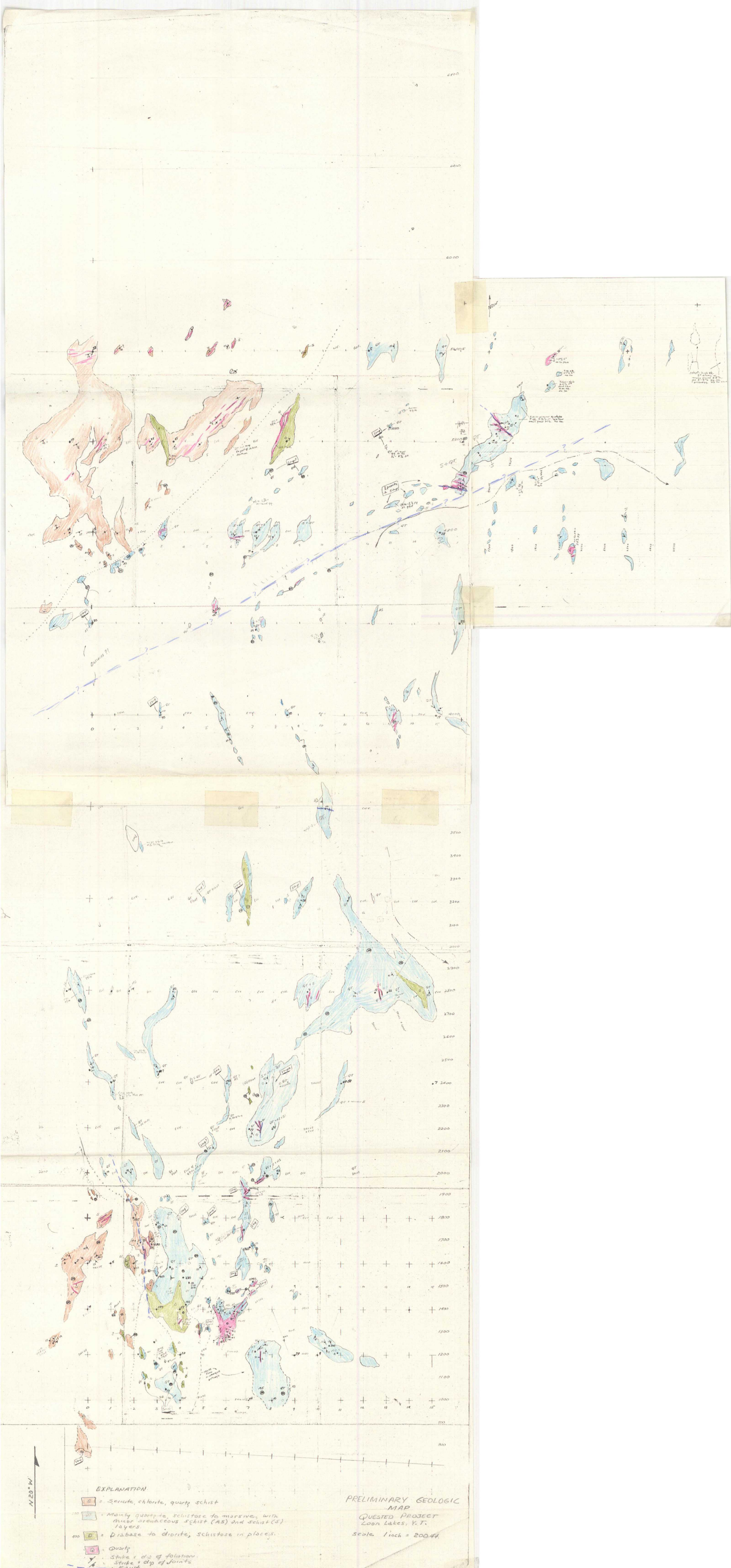
Admin. & overhead 50% 13.73

19 man days \$41.18 = \$782.42

ACCOUNT RENDERED

\$782.42

TERMS: 30 DAYS — 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

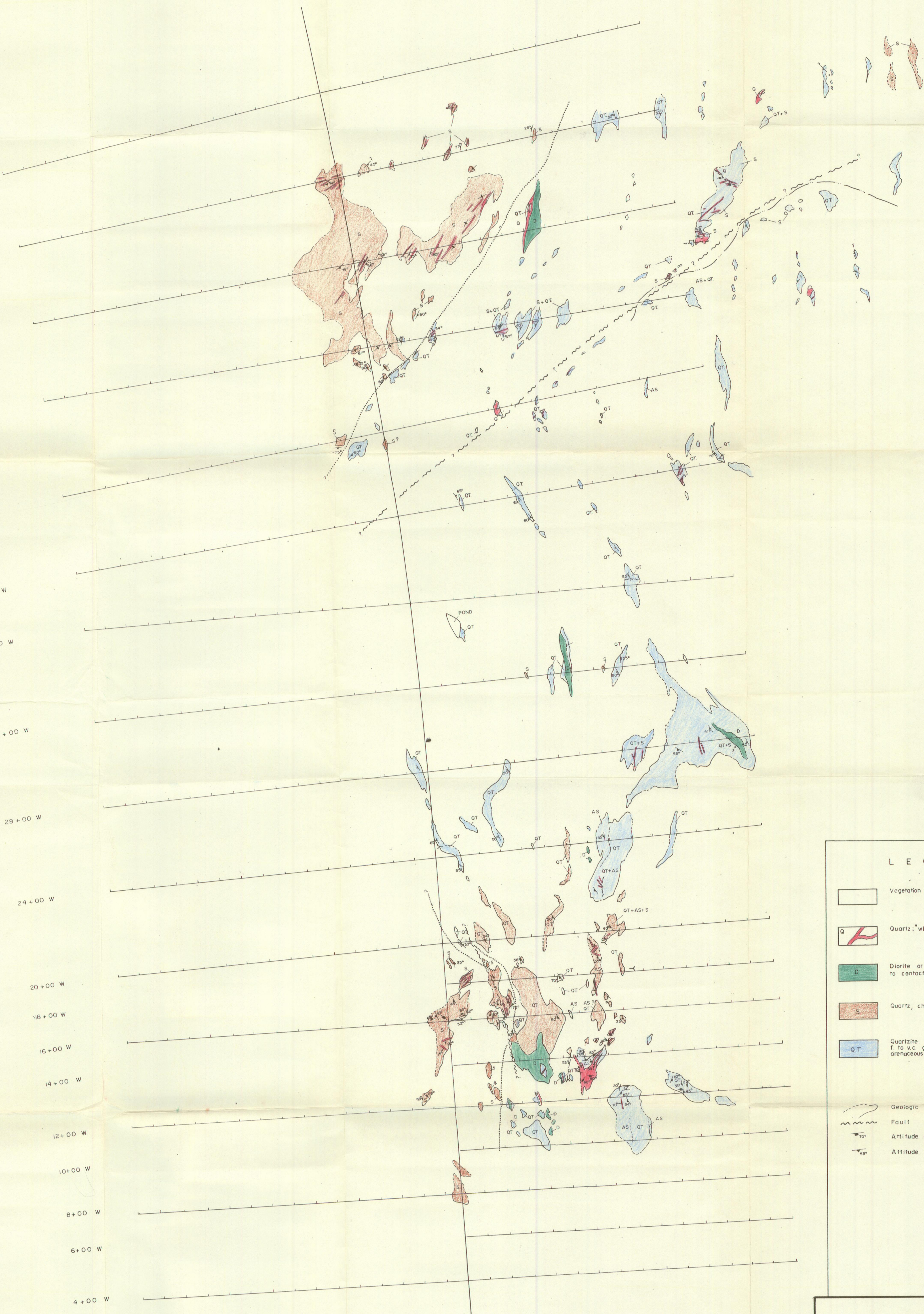


EXPLANATION

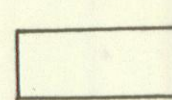
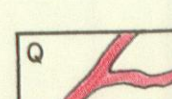
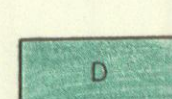
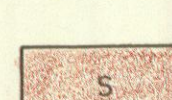
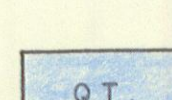

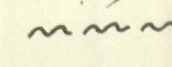

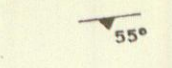
- = Sericite, chlorite, quartz schist
- = Mainly quartzite, schistose to massive, with minor arenaceous schist (AS) and schist (S) layers
- = Diabase to diorite, schistose in places.
- = Quartz
- = Strike & dip of foliation.
- = Strike & dip of joints.
- = Fault

PRELIMINARY GEOLOGIC
MAP
QUESTED PROJECT
Loon Lakes, V.T.
Scale 1 inch = 200 ft.

60+00 W
 56+00 W
 52+00 W
 48+00 W
 44+00 W
 40+00 W
 36+00 W
 32+00 W
 28+00 W
 24+00 W
 20+00 W
 18+00 W
 16+00 W
 14+00 W
 12+00 W
 10+00 W
 8+00 W
 6+00 W
 4+00 W



LEGEND

-  Vegetation and soil cover
-  Quartz: "white bull" variety. Only the larger occurrences shown.
-  Diorite or diabase: metamorphosed and highly foliated adjacent to contact.
-  Quartz, chlorite, sericite schist.
-  Quartzite: massive to thin-bedded; fair to very poor sorting, f. to v.c. grained, interbedded with minor schist (s) and arenaceous schist (AS)
-  Geologic contact: dashed where inferred, dotted where covered
-  Fault
-  Attitude of joints or fractures
-  Attitude of foliation (bedding)

QUESTED PROJECT - BEAVER & MINK GR.
 Geology
 Whitehorse M.D. - Y.T. 105-E-1
 PETER H. SEVENSMA CONSULTANTS LTD. - Vancouver, B.C.
 July 1970 Scale: 0 100 200 400 Feet

LOON LAKE

Beaver Mink Group
Geochemical
Reconnaissance

Whitehorse M.D. - Y.T. 105-E-1


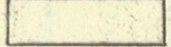
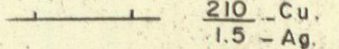

Peter H. Sevensma Consultants Ltd. Vancouver B.C.

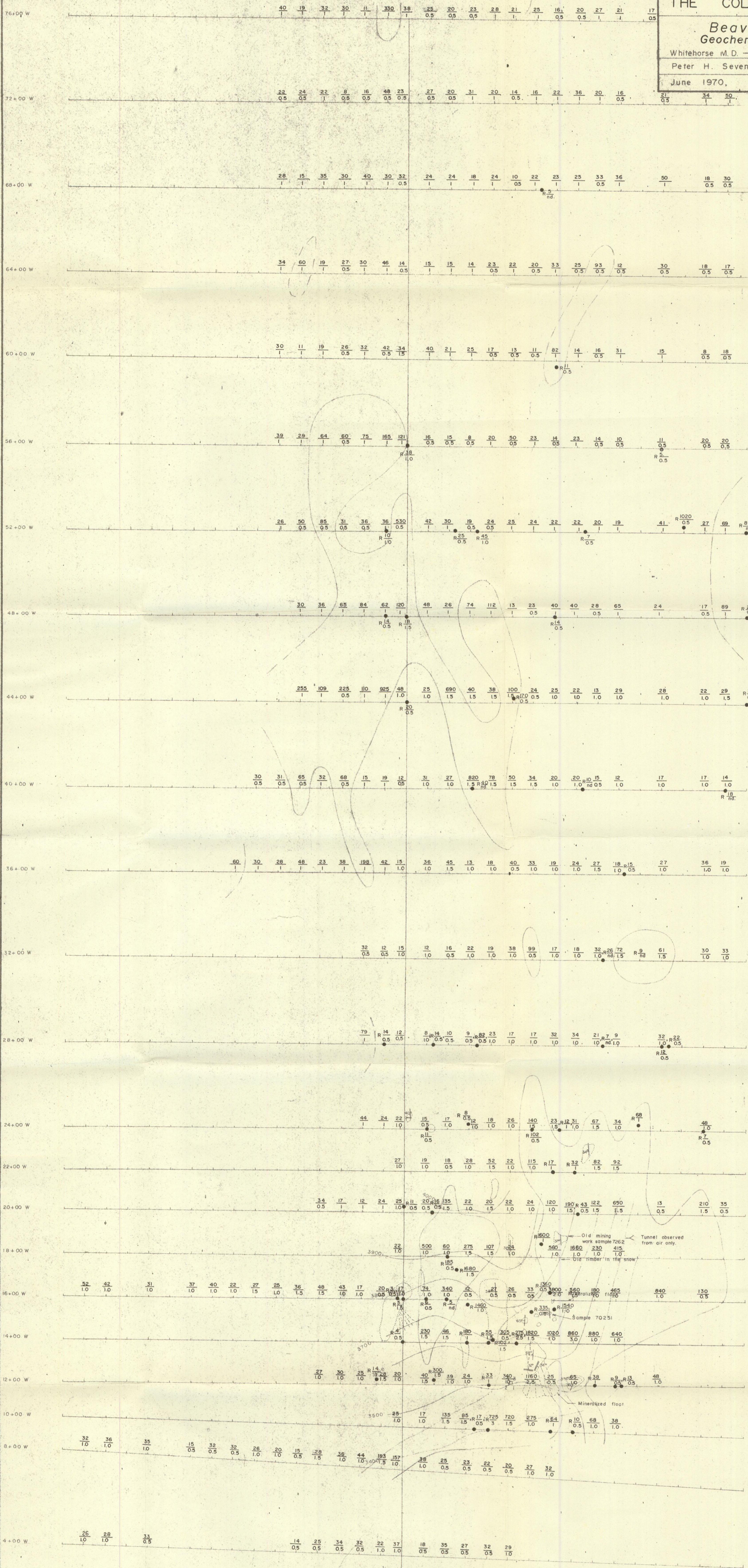
June 1970.

Scale 0 200'

Cu & Ag Plot

LEGEND

-  Schists
-  Quartzite interbedded with schists
-  $\frac{210}{1.5}$ Cu - Ag Soil sample
-  $\frac{7}{0.5}$ Cu - Ag Rock sample



P.H. Sevensma

FIG. 3

NOTE: Contours on the base at the lake elev. 5300'

