

MineQuest Report #30

Reconnaissance Geochemistry of the  
SAV 2 Claim

by

R.V. Longe

of

MINEQUEST EXPLORATION ASSOCIATES LTD.

April 1983

Kamloops Mining Division

Owner and Operator

Claim Name    Record No.

MineQuest Exploration Associates Ltd.

SAV 2            3978

311 Water Street  
Vancouver, B.C.  
V6B 1B8

83-#127-#11277

MineQuest Report #30

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**11,277**

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SAV 2            3978

311 Water Street  
Vancouver, B.C.  
V6B 1B8

*92 E / 10 W  
50° 43'  
120° 48'*

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APPENDIX

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1.

INTRODUCTION

The SAV claims were staked to cover a sequence of Tertiary volcanics and related intrusives which appear promising for epithermal-type gold deposits.

Some geochemical silt samples and a reconnaissance line of soil samples with disappointing results is the subject of this report.

2.

LOCATION, TOPOGRAPHY AND ACCESS

The claim covers the lower part of the north slope of Mount Savona, 5km south of the community of Savona, the Trans Canada Highway and Kamloops Lake. The city of Kamloops lies 35km to the east.

UTM Co-ordinates 655000E, 5617000N  
N.T.S.: 92-I-10

The claims can be reached by three kilometres of gravel road connecting with the Trans Canada Highway at Savona.

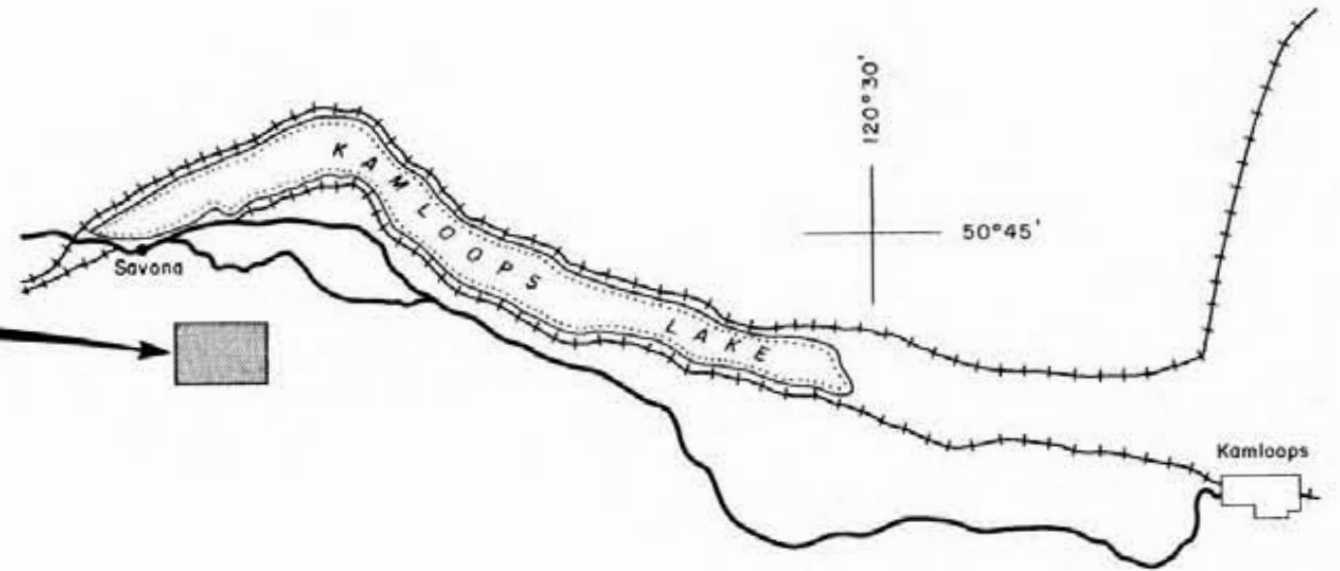
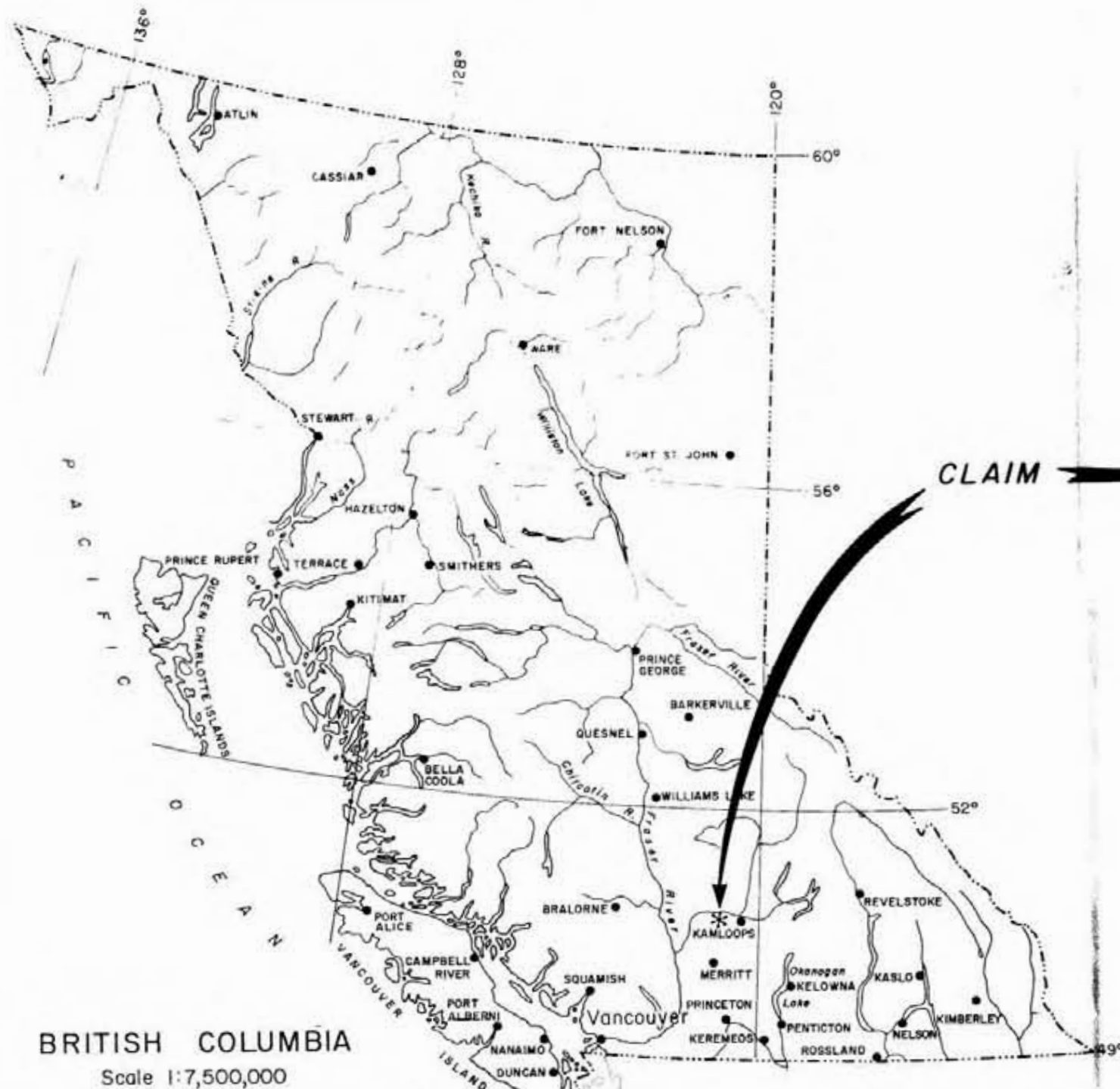
Topography ranges from open grassland between elevations of 2,000 and 2,500 feet a.s.l. to moderately thick pine forest up to 5,000 feet.

3.

OWNERSHIP AND CLAIM STATUS

<u>Claim Name</u>	<u>Record No.</u>	<u>Due Date</u>
Sav 2	3978	April 1, 1983

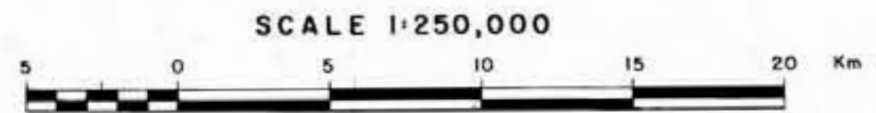
The recorded owner of the above claim is MineQuest Exploration Associates Limited.



BRITISH COLUMBIA  
Scale 1:7,500,000

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**11,277**



GOLDQUEST PROJECT			
LOCATION MAP			
SAV CLAIM			
PLAN NO. 464	DRAWN	DATE APRIL 83	FIGURE 1
Revised		N.T.S. 921/10	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

4.

HISTORY AND PREVIOUS WORK

Although Mount Savona has been staked on previous occasions, presumably for metallic minerals, the only published information is of opal and agate from geode-bearing Tertiary lavas.

Some 10km to the south of the SAV claim mercury, antimony, silver and copper are reported in carbonate altered volcanic rocks at the Tunkua property.

Regional geology is described by Ewing (1981). Savona Mountain is formed of andesitic flows belonging to the Eocene Kamloops Group overlain by coarse conglomerates and breccias of the Mount Savona Group. The northern slopes are underlain by tuffs and ash flow tuffs of the same age. The entire sequence is cut by felsic intrusives.



5.

WORK CARRIED OUT IN 1982<sup>31</sup>

Work carried out in 1982 was limited to a single geochemical reconnaissance soil line and to a sequence of silt samples collected at close spacing in one stream.

5.1

Soil Samples

Two hundred soil samples were collected along a contour line at an elevation of approximately 2,850 feet. Where possible the samples were collected from the B horizon except in the vicinity of scree slopes where talus fines and C horizon material was all that could be obtained.

The samples were dried, sieved to -80 mesh and then used to form composites each of which represented ten samples. Each composite sample overlapped with two neighbouring composite samples so that each soil sample was introduced into two composite samples.

The samples were analysed for gold, silver, arsenic and antimony.

Gold: All composites for gold contained 15ppb gold or less.

Silver, Arsenic and Lead: Silver, Arsenic and Lead values were all at background levels.

5.2

Silt Sampling

Twenty silt samples were taken at 50m intervals on one of the streams draining Mount Savona. All are uniformly disappointing except for two, GQT-07 and GQT-08, which contain 35 and 80ppb gold respectively.

5.3

Personnel

The samples were collected by Les Allen, an experienced prospector and field man and B. Faires on March 20th and 21st. The writer who has visited the property but who was not present during the sampling program directed the project.

TABLE I

SOIL SAMPLESSOIL SAMPLE NUMBERS, COMPOSITE SAMPLE NUMBERS  
AND RESULTS

<u>SAMPLES INCLUDED IN COMPOSITE</u>	<u>SAMPLE NO.</u>	<u>RESULTS</u>			
		<u>Au ppb</u>	<u>Ag ppm</u>	<u>As ppm</u>	<u>Pb ppm</u>
GQT 026-035	GQT-C 1	5	0.2	2	10
031-040	2	10	0.2	nd	15
036-045	3	nd	nd	nd	20
041-050	4	4	0.2	2	15
046-055	5	10	0.2	2	15
051-060	6	15	0.2	4	20
056-065	7	5	0.2	nd	15
061-070	8	15	0.6	nd	15
066-075	9	5	nd	nd	15
071-080	10	15	0.2	2	15
076-085	11	10	0.2	nd	15
081-090	12	5	0.2	2	15
086-095	13	nd	nd	4	15
091-100	14	10	0.2	nd	15
096-105	15	5	nd	nd	15
101-110	16	5	0.4	nd	15
106-115	17	10	0.2	4	15
111-120	18	nd	0.6	2	15
116-125	19	nd	0.2	2	15
121-130	20	nd	0.2	nd	15
126-135	21	15	0.2	4	10
131-140	22	5	0.2	nd	10
136-145	23	5	0.2	nd	10
141-150	24	5	nd	nd	15
146-155	25	15	nd	nd	15
151-160	26	10	nd	2	10
156-165	27	10	0.2	4	15
161-170	28	5	0.2	2	15
166-175	29	5	nd	nd	15
171-180	30	nd	nd	nd	15
176-185	31	nd	nd	nd	15
181-190	32	15	0.2	nd	15
196-195	33	5	nd	nd	15
191-200	34	nd	0.2	2	15
196-205	35	10	nd	2	15
201-210	36	nd	0.2	nd	15
206-215	37	15	nd	nd	15
211-220	38	5	nd	2	15
216-225	GQT-C39	15	nd	nd	15

TABLE II

SILT SAMPLES

RESULTS

<u>Sample No.</u>	<u>Au</u> <u>ppb</u>	<u>Ag</u> <u>ppm</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
GQ 01	nd	0.6	nd	nd
02	nd	0.4	2	nd
03	5	nd	nd	nd
04	5	nd	nd	nd
05	nd	0.4	2	nd
06	nd	0.2	2	nd
07	35	0.2	4	nd
08	80	0.2	2	nd
09	5	0.2	nd	nd
10	nd	0.2	2	nd
11	nd	nd	2	1
12	20	0.2	nd	nd
13	15	0.2	nd	nd
14	10	0.2	nd	nd
15	nd	0.2	2	nd
16	15	0.2	nd	nd
17	10	nd	2	nd
18	10	0.2	2	nd
19	10	0.2	2	nd
GQ 20	10	0.2	4	nd

6.

DISCUSSION

Little encouragement can be gained from either the soil sample results or the silt sample results.

Samples GQT-07 and GQT-08 may require investigation if the opportunity permits.

7.

BIBLIOGRAPHY

Ewing, T.E. 1981, Regional stratigraphy and structural setting of the Kamloops Group, South-Central British Columbia  
Canadian Journal of Earth Sciences, Volume 18, No. 9, Pages 1464 to 1477

## MINFILE References

- No. 92INE158 - Agate occurrences on Mount Savona  
- GSC Paper 72-53, Pages 23-25  
- Western Homes and Living October 1961, Guide to B.C. Rocks and Gems
- No. 92INE39 - Mercury, Antimony at Tunqula Lake  
- EMR MRD Metals File MR-Hg-301  
- GSC Map 8871 44-20A  
- GSC Sum. Rpt. 1918B-20  
- GSC Mem. 249-83, 85  
- BCDM Bull. 5-57, 59  
- BCDM MMAR 1899-738  
1900-892  
1901-1080  
1902-192  
1913-424

APPENDIX I

Laboratory Report







VANGEOCHEM LAB LTD.  
 1521 PEMBERTON AVE.,  
 NORTH VANCOUVER, B.C.,  
 CANADA V7P 2S3

TELEPHONE: 986-5211  
 AREA CODE: 604

**Certificate of Geochemical Analyses**

• Specialising in Trace Elements Analyses •

-IN ACCOUNT WITH-  
 Minquest Exoloration

Report No: 83-58-001  
 Samples Arrived:  
 Report Completed:  
 For Project:  
 Analyst:

Page 2 of 2  
 Job No.  
 Invoice No.

Attention:

RECEIVED  
 APR 13 1983  
 MINQUEST LTD.

Sample Marking	Au ppb	Ag ppm	As ppm	Pb ppm
GQT - C 1	5	0.2	2	10
2	10	0.2	nd	15
4	4	0.2	2	15
5	10	0.2	2	15
6	15	0.2	4	20
7	5	0.2	nd	15
9	5	nd	nd	15
10	15	0.2	2	15
11	10	0.2	nd	15
12	5	0.2	2	15
14	10	0.2	nd	15
15	5	nd	nd	15
16	5	0.4	nd	15
17	10	0.2	4	15
19	nd	0.2	2	15
20	nd	0.2	nd	15
21	15	0.2	4	10
22	5	0.2	nd	10
23	5	0.2	nd	10
24	5	nd	nd	15
25	15	nd	nd	15
26	10	nd	2	10
27	10	0.2	4	15
28	5	0.2	2	15
29	5	nd	nd	15
30	nd	nd	nd	15
31	nd	nd	nd	15
32	15	0.2	nd	15
33	5	nd	nd	15
34	nd	0.2	2	15
35	10	nd	2	15
36	nd	0.2	nd	15
37	15	nd	nd	15
38	5	nd	2	15
GQT - C39	15	nd	nd	15

MASTER PRINTING LTD.

REMARKS:

Signed:

% Mo > 1.6683 = % MoS<sub>2</sub>      1 Troy oz./ton = 34.28 ppm      1 ppm = 0.0001%      nd = none detected      ppm = parts per million  
 All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



APPENDIX II

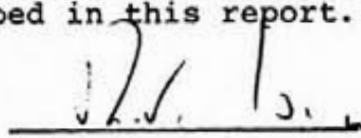
Statement of Qualifications

Statement of Qualifications

I, R.V. Longe, hereby certify that:

1. I am a consulting geologist with a business office at 311 Water Street, Vancouver, B.C. V6B 1B8.
2. I am President of MineQuest Exploration Associates Ltd., a company performing geological consulting and contract exploration services for the mineral exploration industry.
3. I am a graduate of Cambridge University, (B.A. Hons., 1961 Natural Sciences Tripos, Parts 1 & 2, Geology) and of McGill University (M.Sc. 1965).
4. I am a Fellow of the Geological Association of Canada, and a member on the Canadian Institute of Mining and Metallurgy.
5. I have practiced my profession as geologist for 16 years.
6. The information, opinions and recommendations in the attached report are based on personal familiarity with the property and direction of the programme described in this report.

Signed

  
(R.V. Longe)

dated at Vancouver, B.C. this  
29th Day of April, 1983

APPENDIX III

Statement of Cost

COST STATEMENT

SAV 2 CLAIM

FEES, SALARIES, WAGES (See Schedule I)

MQ Personnel	\$	816.00	
Temporary Staff		<u>420.00</u>	\$ 1,236.00

TRAVEL, TRANSPORT

Rental Vehicle MQ		50.97	50.97
-------------------	--	-------	-------

RENTALS

MQ Field Charges		30.00	30.00
------------------	--	-------	-------

MATERIAL AND SUPPLIES

Groc., Kit., Sup., Camp		4.04	
Food, Accom., Field		<u>128.03</u>	132.07

ANALYSES

Geochemical		777.10	777.10
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DRAFTING, REPROGRAPHICS, REPORTING

Drafting		147.00	
Reprographics		<u>91.61</u>	238.61

MISCELLANEOUS

Casual Staff		3.75	3.75
			<u>\$ 2,468.50</u>

SCHEDULE I TO COST STATEMENT  
SAV 2 CLAIM

MQ Personnel

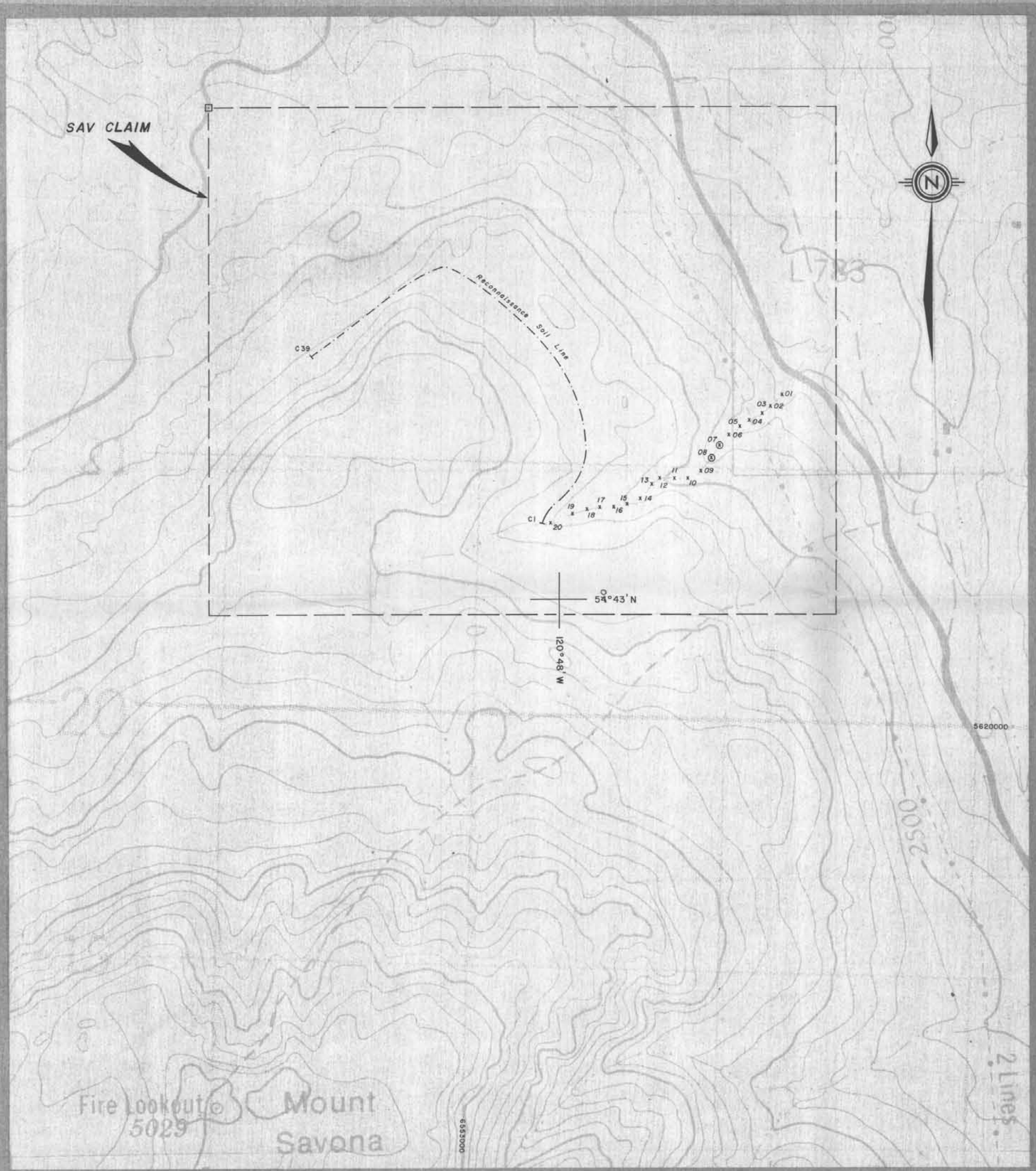
R.V. Longe	- March 1983	- .92 Days at \$425.00	
	- April 1983	- <u>1.0 Days at \$425.00</u>	
		1.92 Days at \$425.00	\$ 816.00

Temporary Staff

L. Allen	- March 1983	- 2.0 Days at \$125.00-\$250.00	
B. Faires	- March 1983	- 2.0 Days at \$ 85.00- <u>170.00</u>	<u>420.00</u>

\$1,236.00





**SOIL SAMPLES**  
SOIL SAMPLE NUMBERS, COMPOSITE SAMPLE NUMBERS AND RESULTS

SAMPLES INCLUDED IN COMPOSITE	SAMPLE NO.	RESULTS			
		As ppb	Ag ppm	As EPS	Pb ppm
QRT 026-035	QRT-C 1	5	0.2	2	10
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041-050	4	4	0.1	2	15
046-055	5	10	0.2	2	15
051-060	6	15	0.2	4	20
056-065	7	5	0.2	nd	15
061-070	8	15	0.4	nd	15
066-075	9	5	nd	nd	15
071-080	10	15	0.2	2	15
076-085	11	10	0.2	nd	15
081-090	12	5	0.2	2	15
086-095	13	nd	nd	4	15
091-100	14	10	0.2	nd	15
096-105	15	5	nd	nd	15
101-110	16	5	0.4	nd	15
106-115	17	10	0.2	4	15
111-120	18	nd	0.6	2	15
116-125	19	nd	0.2	2	15
121-130	20	nd	0.2	nd	15
126-135	21	15	0.2	4	10
131-140	22	5	0.2	nd	10
136-145	23	5	0.2	nd	10
141-150	24	5	nd	nd	15
146-155	25	15	nd	nd	15
151-160	26	10	nd	2	10
156-165	27	10	0.2	4	15
161-170	28	5	0.2	2	15
166-175	29	5	nd	nd	15
171-180	30	nd	nd	nd	15
176-185	31	nd	nd	nd	15
181-190	32	15	0.2	nd	15
186-195	33	5	nd	nd	15
191-200	34	nd	0.2	2	15
196-205	35	10	nd	2	15
201-210	36	nd	0.2	nd	15
206-215	37	15	nd	nd	15
211-220	38	5	nd	2	15
216-225	QRT-C39	15	nd	nd	15

**SILT SAMPLES**

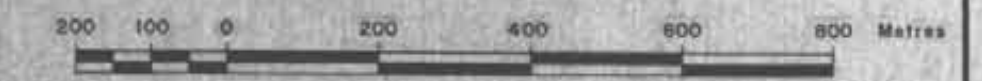
Sample No.	RESULTS			
	As ppb	Ag ppm	As ppm	Sb ppm
GQ 01	nd	0.6	nd	nd
02	nd	0.4	2	nd
03	5	nd	nd	nd
04	5	nd	nd	nd
05	nd	0.4	2	nd
06	nd	0.2	2	nd
07	15	0.2	4	nd
08	80	0.2	2	nd
09	5	0.2	nd	nd
10	nd	0.2	2	nd
11	nd	nd	2	1
12	20	0.2	nd	nd
13	15	0.2	nd	nd
14	10	0.2	nd	nd
15	nd	0.2	2	nd
16	15	0.2	nd	nd
17	10	nd	2	nd
18	10	0.2	2	nd
19	10	0.2	2	nd
GQ 20	10	0.2	4	nd

- Claim Outline
- - - Reconnaissance Soil Line
- x Silt Samples
- o Silt Samples with Anomalous Gold

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**11,277**

SCALE 1:10,000



GOLDQUEST PROJECT			
SAV 2 CLAIM			
SAMPLE LOCATIONS AND RESULTS			
PLAN No. 466	DRAWN	DATE APRIL 83	FIGURE 2
Revised		N.T.S. 921/10	
MINEQUEST EXPLORATION ASSOCIATES LTD.			