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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,619

GEOLOGICAL REPORT ON THE

ANTHONY 1-8 CLAIMS

FOR

SEATAC RESOURCES LTD.

VANCOUVER MINING DIVISION

NTS 92G/11

(LAT. 49° 42' North, LONG. 123° 28' West)

Vancouver, B.C.

November 17, 1983

Diane Howe, Project Geologist

OreQuest Consultants Ltd.

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1.0 INTRODUCTION

1.1 LOCATION and ACCESS (Figure 1)

The Anthony 1-8 claims located on the Pacific West Coast in an area of rugged mountainous topography is approximately 20 kilometers due west of Squamish and 30 kilometers north-east of Sechelt. The claims are centered at 49° 42' north Latitude and 123° 28' west Longitude located on NTS Map Sheet 92G/11.

Access to the claims is via charter helicopter either from Squamish or Sechelt. Access by road is also now available via logging and hydro maintenance roads which connect up with Highway 101 near the Port Mellow area on the Sechelt Peninsula.

1.2 CLAIM STATUS

The Anthony claims consist of 8 units staked in October of 1979 and subsequently sold to Seatac Resources Ltd. by bill of sale.

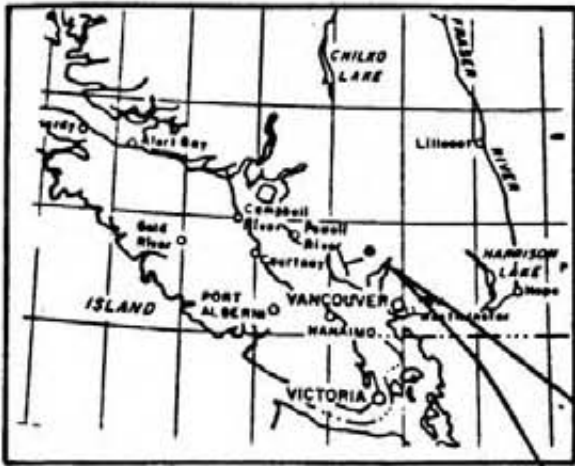
The claim block is held in good standing and will have an expiry date of 1985 pending approval of assessment credit.

The claims are as follows:

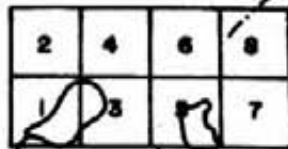
	No. of Units	Record No.	Expiry Date
Anthony 1-8	8	321-328	October 23, 1985

1.3 HISTORY

Mining records and research of assessment files indicates that the earliest

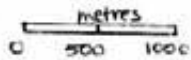



**ANTHONY
CLAIMS**



Slippery
Lake

Smithe
Lake



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LOCATION MAP

SEATAC RES LTD (ANTHONY)

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recorded activity was in 1874 when Howe Mining Co. reported the discovery of copper stained quartz veins on the side of Mt. Donaldson. The initial adit was developed at this time with published reserves estimated at 500,000 tons grading 0.02% copper. Other assay grades reported were 50 oz/st silver and 48% copper.

In 1965 Bralorne-Pioneer Mines Ltd. restaked this area as the Zel group. Work conducted at this time included geological mapping, sampling and trenching. In 1967, Grasset Lake Mining diamond drilled 2,500' of B.Q. core. Athena Mines Ltd. restaked the property in 1972 as the Karen 1-16 group. Recorded work of geological mapping, trenching, trail construction and an airborne magnetic and electromagnetic survey were conducted at this time. In 1975, Amax Potash restaked the area as the West 1 and West 2 block. No work was recorded. In 1979, Anthony Schrethen restaked the area as the Anthony 1-8 claims and subsequently sold them to Seatac Resources Ltd. by bill of sale. Two year assessment work (geological mapping and geophysical surveys) have since been applied by Seatac.

2.0 EXPLORATION RESULTS

2.1 GEOLOGY (Figure 2)

Outcrop exposure is excellent comprising nearly 99% of the mapped area.

Biotite and hornblende biotite granites, typical of the Coast Plutonic Complex, underlies the majority of the mapped area. These granites are a light coloured, medium grained rock consisting of equigranular quartz and feldspar (85%) with euhedral masses of biotite (and hornblende) phenocrysts.

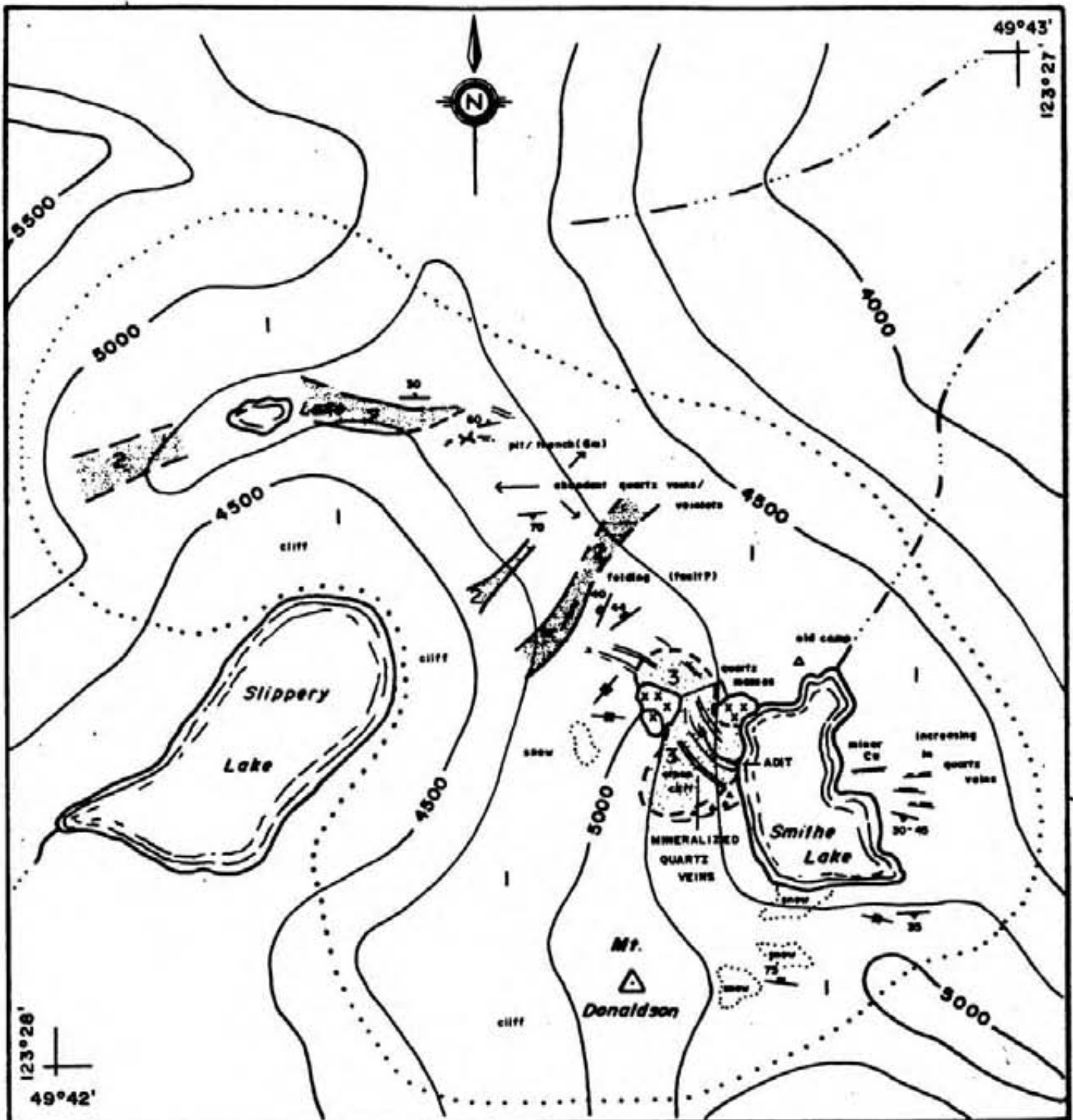
Intrusive to, and incorporating blocks of the biotite granite, is a sugary textured, fine to medium grained "vuggy" muscovite-(quartz) "granite". Possibly representing a late-late phase of differentiation of the parent magma, this "granite" has a high hydrothermal component thus giving the low temperature mineralogy and vuggy, open space textures. Drusy quartz crystals often line the vugs within the "granite".

Located in the central portion of the mapped area are several narrow, linear outcrops of a bedded lapilli tuff or tuffaceous type rock. This unit which generally strikes northeast-southwest with dips moderate to the northwest, is light to grey coloured and thin to medium bedded. The relationship of the tuffaceous rocks to the granites is not clear at this time.

The most prominent feature on the property are the masses of quartz and quartz veins which crisscross the property. At least two sets are recognized both being parallel to major joint fractures in the immediate area. These veins commonly pinch and swell and appear discontinuous in length.

The quartz occurs in the form of milky to translucent masses and crystals. Larger veins are vuggy often filled with drusy quartz. A persistent mineral constituent of the quartz veins is a muscovite mica which occurs primarily along the selvage of the vein. It was also noted as massive blocks completely enveloped by the quartz.

Small aplitic dykes, 2 to 10 centimeters in width which transect the



LEGEND

- | | | | |
|--|-----------------|--|------------------------|
| | Fracture, joint | | Quartz-biotite granite |
| | Quartz vein | | Grey tuff |
| | Adit | | Muscovite granite |
| | Trench | | |

0 250 500

Scale (metres)

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GEOLOGY

SEATAC RES. LTD. (ANTHONY)

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property have also been noted to be parallel in strike to the joint system.

Copper mineralization in the form of massive bornite and chalcopyrite is directly associated with the quartz veining but is also found as minor blebs within vugs of the muscovite "granite".

Flakes of molybdenite and pods of tetrahedrite were also identified. The significant values of silver in assays returned is probably silver interstitial within the tetrahedrite lattice.

The main adit on the property is 90 feet long and was used to test the main mineralized quartz vein on the property. Mineralization at the main showing is quite spectacular with massive pods of bornite and chalcopyrite found within the quartz vein. Mineralization appears to be post quartz crystallization as some samples exhibit well developed quartz crystals surrounded by masses of bornite.

Another showing in the north central portion of the property has been exposed and trenched. The main mineral is a silver rich tetrahedrite.

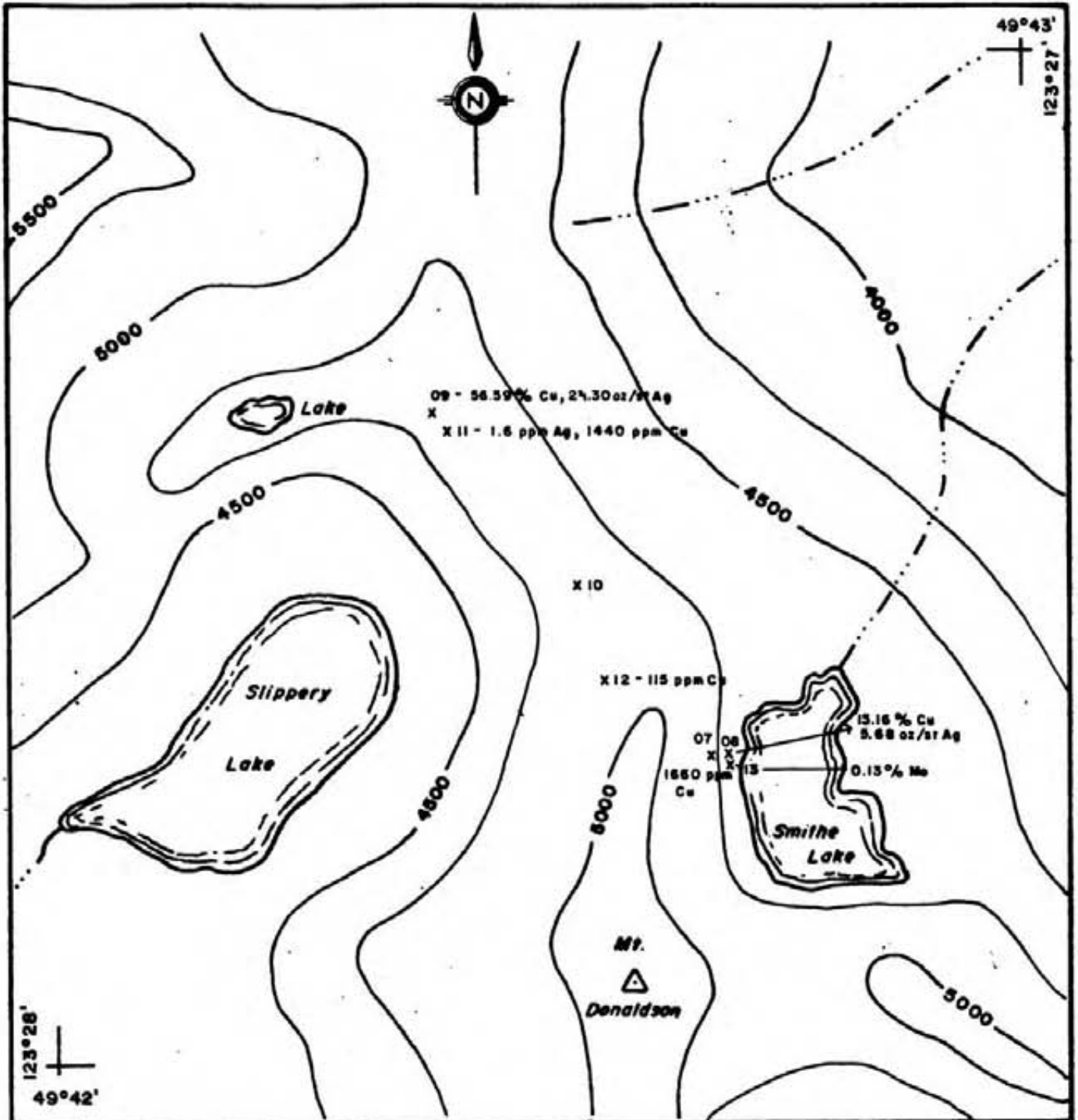
Assay values from the trench has yielded values up to 24.30 oz/st silver. The mineralized vein has been exposed for 18 feet in length.

In general copper and silver mineralization, on the property, like the quartz veining, is sporadic and discontinuous. Not all quartz veins contain mineralization.

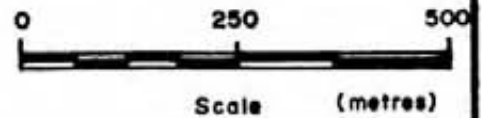
A total of 7 rock samples were collected (Figure 3).

Sample #	Description	Significant Values
07	Envelope surrounding main vein - muscovite "granite"	1660 ppm Cu 0.5 ppm. Ag
08	Assay of mineralization at main adit - sulphides (bornite, chalcopyrite)	15.16% Cu, 5.68 oz/st Ag
09	Assay of mineralization and trench - sulphides (tetrahedrite)	56.59% Cu, 24.30 oz/st Ag
10	Tuffaceous outcrop	no significance values
11	Trench Area - Bluish Grey quartz	1440 ppm Cu 1.6 ppm Ag
12	Quartz vein - northeast Mt. Donaldson	115 ppm Cu
13	Assay of Molybdenum - bearing quartz near main adit	.13% Mo

Alteration in the form of azurite and malachite colour the bluffs below the



sample number
 X 07 - SIGNIFICANT RESULT
 sample location



ROCK SAMPLES	
SEATAC RES. LTD.(ANTHONY)	3

mineralized quartz veins.

3.0 SUMMARY and CONCLUSIONS

Results of this years property examination has confirmed the presence of spectacular copper and silver mineralization which was reported in past years.

Mineralization appears to be confined to sub-parallel quartz veins which are thought to be associated with the emplacement of a muscovite granite. The quartz veins in general are discontinuous with pinching and swelling tendencies.

In the past, most if not all work was concentrated in the area of the main vein. Based on the results of this years examination and the assay grades returned from the trenched area, any further exploration should be directed more so to concentrate on the significance of the tetrahedrite-silver veins as found in the trench.

Regional studies in particular are encouraged.

Silt sampling and prospecting of creeks and ridges in the area is recommended to further exploration.

4.0 ITEMIZED COST STATEMENT

Wages:

Geologist - 2 days @ \$250/day	\$ 500.00
Assistant Geologist - 2 days @ \$110/day	<u>220.00</u>

Total Wages	\$ 720.00
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Disbursements:

Travel (Gas, Ferry)	\$ 38.65
Truck Rental - 2 days @ \$75/day	150.00
Helicopter - 3 hours	1,743.21
Assays	125.40
Meals	38.01
Supplies and Maps	9.21
Report Writing - 1½ days @ \$200	300.00
Drafting and Supplies - 6 hrs @ \$15/hr	<u>108.00</u>

Total Disbursements	<u>\$2,613.38</u>
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TOTAL OF ITEMIZED COST STATEMENT	<u>\$3,233.38</u>
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QUALIFICATIONS

I, Diane Howe, of 9987-287 Street, Ruskin, British Columbia hereby certify:

1. I am a graduate of the University of British Columbia (1980) and hold a BSc. degree in geology.
2. I am presently employed as a geologist with OreQuest Consultants Ltd. of 404-595 Howe Street, Vancouver, British Columbia.
3. I have been employed in my profession by various mining companies as a project geologist for the past five years.
4. The information contained in this report was obtained from a field examination conducted by myself in October of 1983.
5. Neither OreQuest Consultants Ltd. nor myself have direct or indirect interest in the property described nor in the securities of Seatac Resources Ltd.

Diane Howe

Diane Howe

Project Geologist

DATED at Vancouver, British Columbia, this 17th day of November, 1983.