

82-410-10458

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CRANBROOK, B. C.  
GOVERNMENT AGENT

I98I  
PROSPECTING REPORT  
for  
DIAM I (1440)  
in the  
Fort Steele Mining Division  
N.T.S. 82G/I3E  
situated at :  
49°50' latitude  
115°37' longitude

Owned and operated by  
Andy Glatiotis

Author  
Andy Glatiotis

June 10, 1982

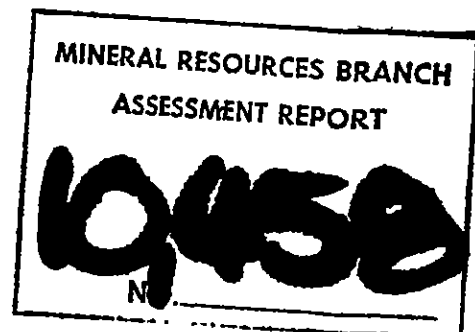


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## Introduction

The DIAM I claim is located on the east side of the Rocky Mountain Trench on the shore of Lažy Lake. The claim consists of twelve units and extends from the valley floor up the steep hillside.

Anomalous topography, copper and silver bearing talus and similar stratigraphy to the Estella mine and the Kootenay King mine were the reasons for staking the property in 1981.

The property is owned and operated by the author, Andy Glatiotis. It has no known ore reserves and exists as a mineral prospect only.

A detailed prospecting survey was undertaken in 1981 to attempt to locate the source of mineralized float boulders. One hundred soil samples were taken which have not been analyzed to date. The survey covered the entire surface area of the claim.

A mineralized quartz vein was discovered and sampled. Some hand trenching was done to uncover some of the extension of the vein.

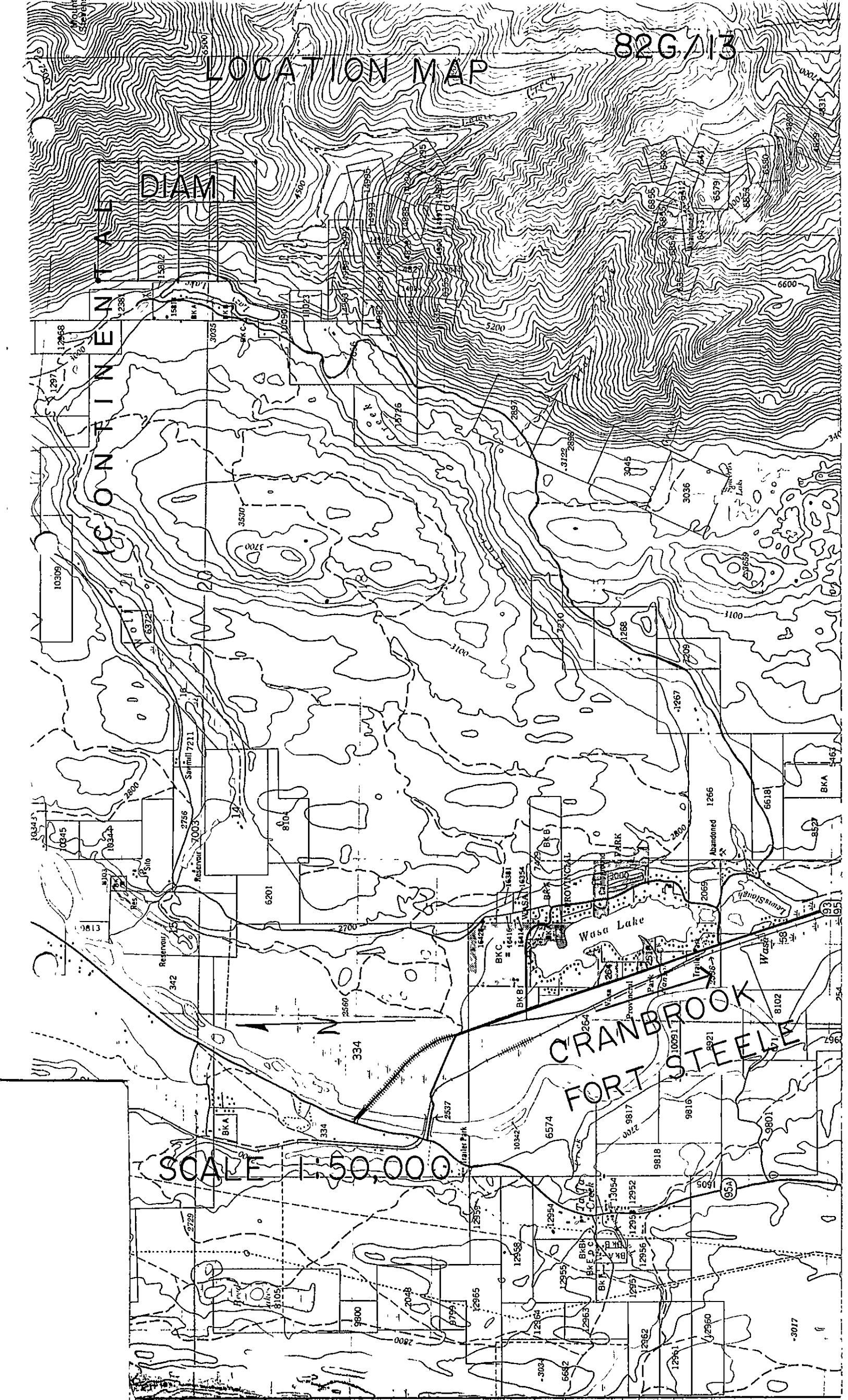
# LOCATION MAP

82G/13

CONTINENTAL  
DIAMOND

SCALE 1:50,000

CRANBROOK  
FORT STEELE



#### LOCATION and ACCESS

The DIAM I claim is located at  $49^{\circ}50'$  latitude and  $115^{\circ}37'$  longitude on the east slope of the Rocky Mountain Trench on the shore of Lazy Lake.

The property is accessible by highway and a well maintained gravel road. North on highway 93/95 22Km from Fort Steele and east 14Km from Wasa Lake trailer park on a gravel road leads to Lazy Lake and the claim.

#### PROSPECTING SURVEY

A detailed examination of talus and outcrop was undertaken to determine the source of two mineralized quartz boulders. Both boulders consisted of massive quartz stained with malachite, containing few, small pyrite cubes (<1%) and wisps of chlorite. An unidentifiable, silvery grey mineral was present on fracture surfaces.

The source of the boulders was not found. Consequently 100 soil samples were taken to determine if a down slope dispersion halo is present.

Anomalous topography consisting of a series of pothole like depressions ranging in size from several metres to fifty metres in diameter were discovered. The cause of these depressions has yet to be determined.

A low grade quartz vein was discovered. It was sampled and traced over a length of 50 metres.

#### PHYSICAL WORK

A previous rock trench in a quartz vein was cleaned out of talus and soil. Approximately one cubic metre of debris was removed.

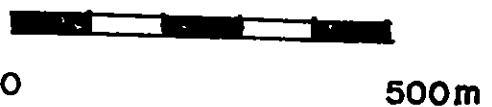
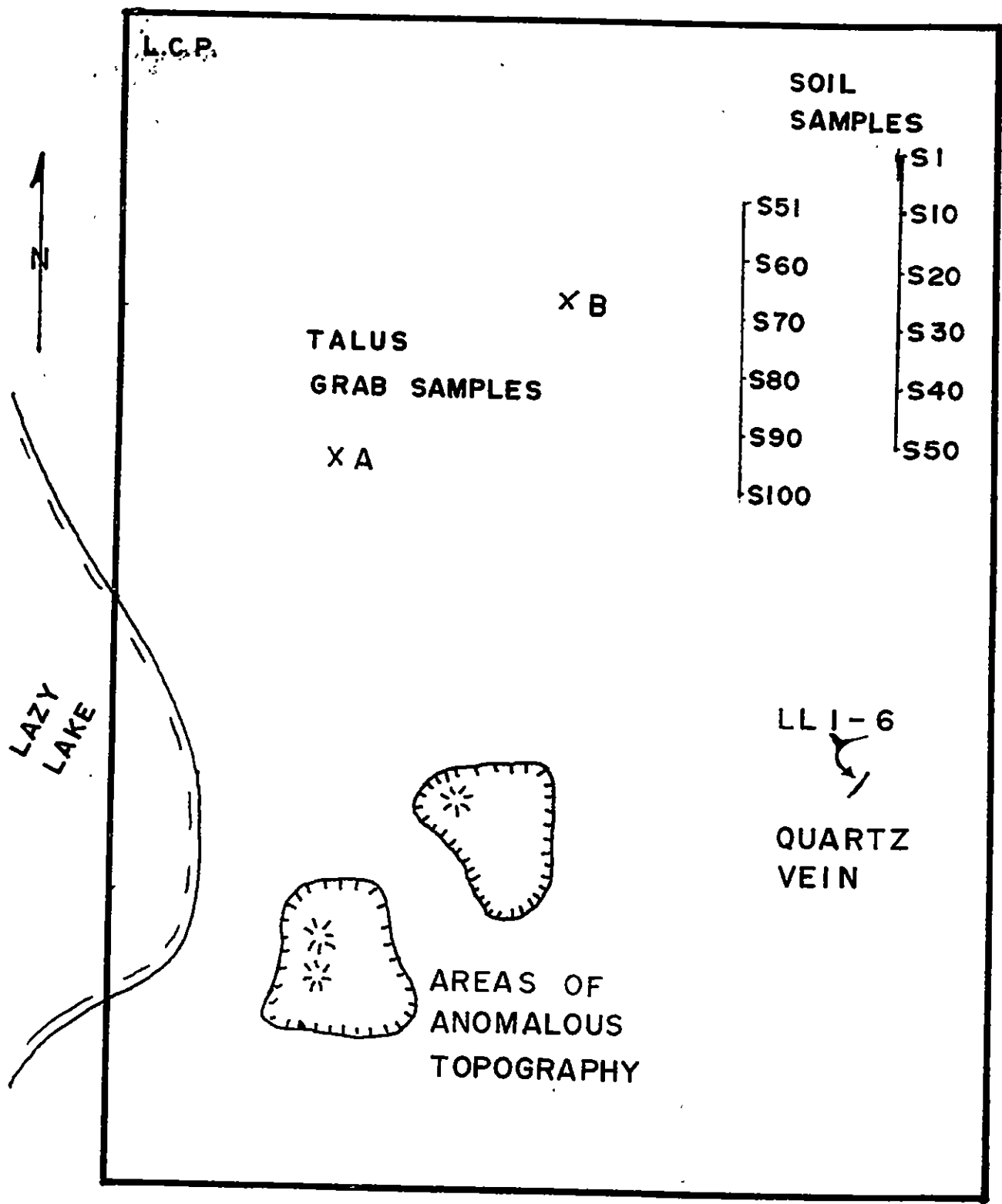
The vein was exposed over a strike length of 20 metres. A series of shallow hand trenches, removing about two cubic metres of soil exposed an additional 30 metres of vein

#### GEOCHEMICAL SAMPLING

The quartz vein was sampled in six locations by means of taking continuous surface chip samples across the width of the vein.

Two men under the supervision of the author took one hundred soil samples at ten metre spacing along the contour of the hillside from the C soil horizon. The samples are labelled S-I to S-100. Refer to the sample location map. These samples have not been analyzed to date. Results will be later submitted as an appendix to this report.

# SAMPLE LOCATION MAP , DIAM 1 , 1981



SURVEY BY PACE  
AND COMPASS

N.T.S. 82 G / 13E

DESCRIPTION of ROCK SAMPLES

| SAMPLE | DESCRIPTION  |
|--------|--|
| A      | A talus grab sample.<br>Malachite stained massive quartz with minor, small pyrite cubes, small wisps of chlorite and an unidentifiable, silvery grey mineral on fracture planes. |
| B      | A talus grab sample<br>same description as for A   |
| LL-1   | 1.5 metre continuous chip sample across the width of the vein in the old trench.<br>Massive quartz with wisps of chlorite and minor pyrite.                                      |
| LL-2   | 1.0 metre chip sample across the width of the vein<br>4 m NE from LL-1. Massive quartz with chlorite wisps.  |
| LL-3   | 1 metre chip sample across the width of the vein<br>8m NE FROM LL-1. Massive quartz with chlorite wisps.   |
| LL-4   | 0.6m chip sample across the width of the vein 16m NE<br>of LL-1. Massive quartz with chlorite wisps.   |
| LL-5   | 1m chip sample across the width of the vein 8m SW<br>from LL-1. Massive quartz with chlorite wisps.  |
| LL-6   | 0.7m chip sample across the width of the vein 16m SW<br>from LL-1. Massive quartz with chlorite wisps.   |



## GEOCHEMICAL RESULTS

The chemical analyses were performed by Chemex in Calgary.

Gold values were obtained by fire assay with an atomic absorption finnish.

Silver values were derived from a hot nitric acid digestion.

Grab samples A and B were subjected to a semiquantitative, 30 element, spectrographic analysis.

Samples A and B showed peaks for ; Antimony, Arsenic, Copper, Lead, Silver and Zinc.

| SAMPLE | Ag (oz/ton) | Au (oz/ton) |
|--------|-------------|-------------|
| LL-1   | 0.052       | 0.005       |
| LL-2   | 0.070       | 0.003       |
| LL-3   | 0.010       | 0.003       |
| LL-4   | 0.010       | 0.003       |
| LL-5   | 0.010       | 0.003       |
| LL-6   | 0.010       | 0.003       |

## CONCLUSIONS

The quartz vein discovered was not the source of the float boulders. Its grade and size make it uneconomical.

The soil samples taken should be analyzed to determine the viability of the property.

The cause of the anomalous topography should be investigated more thoroughly.

DETAILED EXPENSE ACCOUNT

|                      |  |                 |           |
|----------------------|--|-----------------|-----------|
| GAS                  | Banff to Lazy Lake return  |                 |           |
|                      | 1. May 26 - June 2, 1981 .....   | \$80.74         |           |
|                      | 2. July 14 - July 23, 1981 .....   | \$75.02         |           |
|                      |  | 0.20 * \$155.76 | \$31.00   |
|                      |  |                 |           |
| SUPPLY COSTS         |  |                 |           |
|                      | 1. 4 days * 3 Men * 36.00/day man  |                 | \$432.00  |
|                      | 2. 4 days * 2 men * 36.00/day man  |                 | \$288.00  |
|                      |  |                 |           |
| SOIL SAMPLING SURVEY |  |                 |           |
|                      | Wages for Ray Haimila and Mike Glatiotis                                       |                 |           |
|                      | 2 days * 2 men * \$75.00/day man   |                 | \$300.00  |
|                      |  |                 |           |
| GEOCHEMICAL ANALYSES |  |                 |           |
|                      | 6 rock samples prepared @ \$3.00 ea  |                 | \$18.00   |
|                      | 6 Au assays (FA/AA) @ \$7.50 ea  |                 | \$45.00   |
|                      | 6AAG assays @ \$6.00 ea  |                 | \$36.00   |
|                      | 2 rock samples prepared @ \$3.00 ea  |                 | \$6.00    |
|                      | 1 Au assay @ \$4.50  |                 | \$4.50    |
|                      | 2 30 element semiquantitative spectrographic analyses @ \$28.00                |                 | \$56.00   |
|                      |  |                 |           |
| PHYSICAL WORK        |  |                 |           |
|                      | 1 cubic metre talus and soil cleaned from an old trench @ \$18.00/ cubic metre |                 | \$18.00   |
|                      | 2 cubic metres soil hand trenched to expose extent of the vein @ \$18.00       |                 | \$36.00   |
|                      |  |                 | \$1270.50 |
|                      | TOTAL EXPENSES   |                 |           |


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STATEMENT OF QUALIFICATIONS

I, Andy Glatiotis, do hereby state that:

1. I am the owner and operator of the DIAM I CLAIM.
2. I graduated from the University of Calgary in 1977 with a BSc degree in Geology.
3. Exploration geology and geological field work have been my sole source of income in the past 9 years.
4. I have been employed by Cominco Ltd. , Mattagami Lake Mines and numerous small companies as both a geological technician and a geologist.

Andy Glatiotis

Andy Glatiotis

June 10, 1982