

ASSESSMENT REPORT

on

PROSPECTING AND MINOR GEOCHEMICAL WORK

on the

MARISOL CLAIM

Located

22 AIR KILOMETERS NORTHWEST OF

BOSTON BAR

LATITUDE 50° 5'N; LONGITUDE 121° 40'W

N.T.S. 921/4E

NEW WESTMINSTER MINING DIVISION

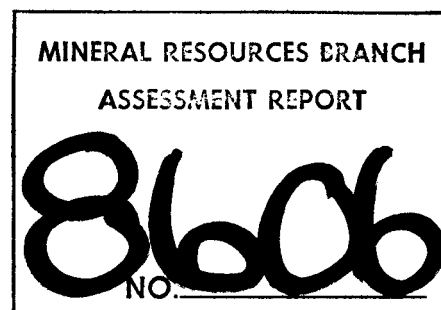
SOUTHERN BRITISH COLUMBIA

FIELD WORK BETWEEN OCTOBER 16 and OCTOBER 18, 1980

on behalf of

DINO M. CREMONESE

(Owner of Claim)



Report by:

Dino M. Cremonese, B.A.Sc.  
Archaean Resources Corp.  
Mineral Property Consultants  
#152 - 890 W. Pender  
Vancouver, B.C.

Date Submitted: December 15, 1980

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## Introduction

In October, 1980, the author of this report and Jiri Mruzek, prospected the southern portion of the Marisol claim, located 22 air-kilometers northwest of Boston Bar, in southern British Columbia.

This report describes the work done and results obtained and was prepared for assessment credits. Assessment work details are listed in Appendix I at the end of this report.

## Summary and Conclusions:

1. Dino Cremonese holds title to the Marisol Claim (10 units, five units north by two east ) covering two old gold and silver prospects formerly known as the Serpentine and Summit Groups.
2. The property is centered some 22 air kilometers northwest of Boston Bar and about 120 kilometers (by air) north-northeast of Vancouver in the New Westminster Mining Division. The highest elevation on the property is just over 2,000 meters. Access is by helicopter or by logging road from Boston Bar to a point on Log Creek from which a steep cat trail climbs north to the property.
3. The property was acquired by Dino Cremonese in 1979 (staked in late October) after a visit the previous summer in the company of Dr. W.D. Groves, P.Eng., confirmed the presence of geological structures favourable for gold mineralization.

4. Memoir 252 of the Geological Survey of Canada by Duffell and McTaggart refers to the Serpentine and Summit groups as a gold prospect. No workings such as pits or adits are mentioned. A good description of the Serpentine and Summit groups can be found in the side-notes to Preliminary Map 46-8 (accompanying the Memoir) by McTaggart. Interpolation of McTaggart's location of this prospect onto a current government claims map places the Serpentine and Summit groups roughly within the northwestern corner of the Marisol claim.

5. The field work performed consisted of a pair of north-south traverses close to the western boundary of the Marisol claim. Measurements were taken with a Topo-fill thread line. Outcrops and sample locations were recorded; six soil samples and two rock geochem samples were taken.

6. The soil and rock samples were analyzed for their gold content by atomic absorption methods at Acme Analytical Laboratories Ltd., 852 E. Hastings St., Vancouver. Results ranged from 5 parts per billion to a high of 65 parts per billion. With regard to the soil samples, threshold can be estimated at 20 parts per billion. Two of the six soil samples can be classified as anomolous.

7. The recent prospecting and sampling of the Marisol claim has indicated numerous quartz veins some of which are associated with geochemical gold anomalies. The property as a whole is favourably located astride a northwesterly trending ultramafic unit similar to the "Coquihalla serpentine belt", some forty kilometers Southeast, with which some gold deposits

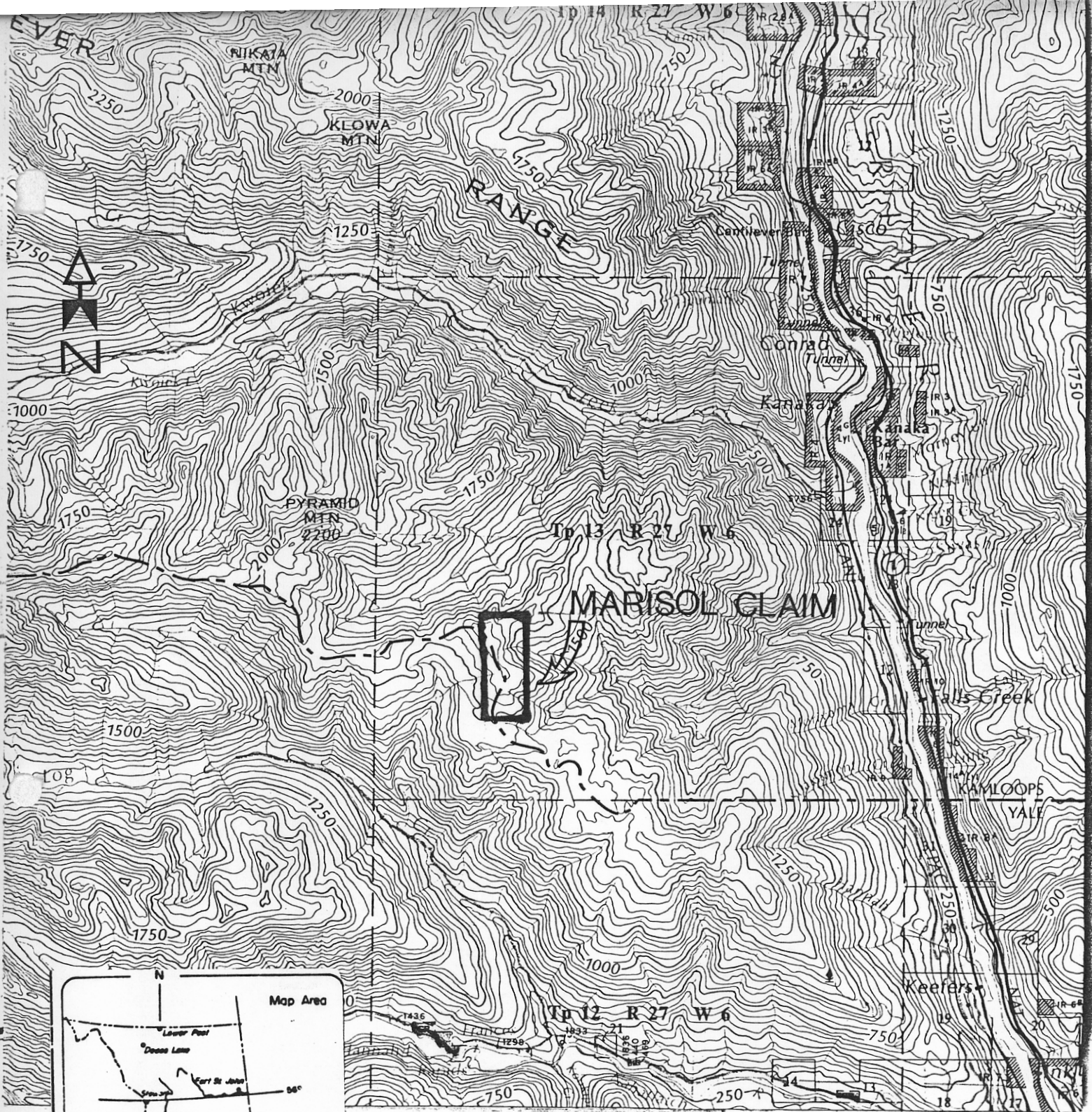
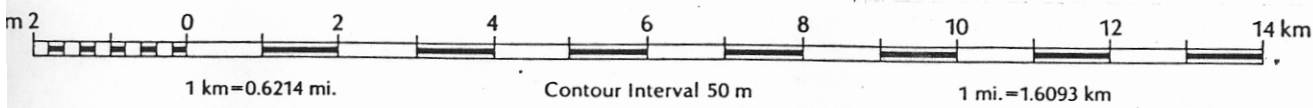


Figure 1  
LOCATION MAP

Scale 1:100 000  
(1 cm = 1 km)



have been associated (most notably, Carolin Mines). Further work in the form of detailed geological mapping, line cutting and geochemical sampling is warranted in the area outlined by the two anomolous samples, that is, in the area of the quartz veins.

#### Location and Access

The Marisol claim lies astride a ridge northeast of Log Creek, a tributary of the Nahatlatch River. The northern portion of the claim looks down upon the first large tributary of Kwoiek Creek. Mountains in the general area are high and rugged (they are part of the Coast Range). Much of the claim area is just below timberline which is about 2,000 meters. Although parts of the claim area are in a rolling alpine meadow, other sections are extremely precipitous.

Access to the claims begins at Boston Bar where an aerial ferry crosses the Fraser River to North Bend. From North Bend a gravel road leads north about 18 kilometers to a logging road running west up the Nahatlatch River. This road is taken about 12 kilometers to the Log Creek logging road up which one goes north another 6 kilometers. B.C. Forest Products Ltd. is actively logging in the upper drainage of Log Creek. From the floor of Log Creek Valley a steep cat trail leads north up a ridge on the western side of a small creek in an unbroken climb of 1,000 meters to the southern portion of the Marisol claim. The ascent requires a minimum of three hours when fully loaded with heavy backpacks.

The N.T.S. map number for this area is 92 1/4E.





Claims Information

The Marisol claim is owned outright by Dino Cremonese. Relevant information is itemized below:

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Record Date</u>
Marisol	10*	711(11)	<del>Oct. 26, 1980</del> <b>Nov. 19, 1979</b> D.C.

\* Number of units originally was 20, but this has been reduced to 10.

Prospecting and Sampling Observations

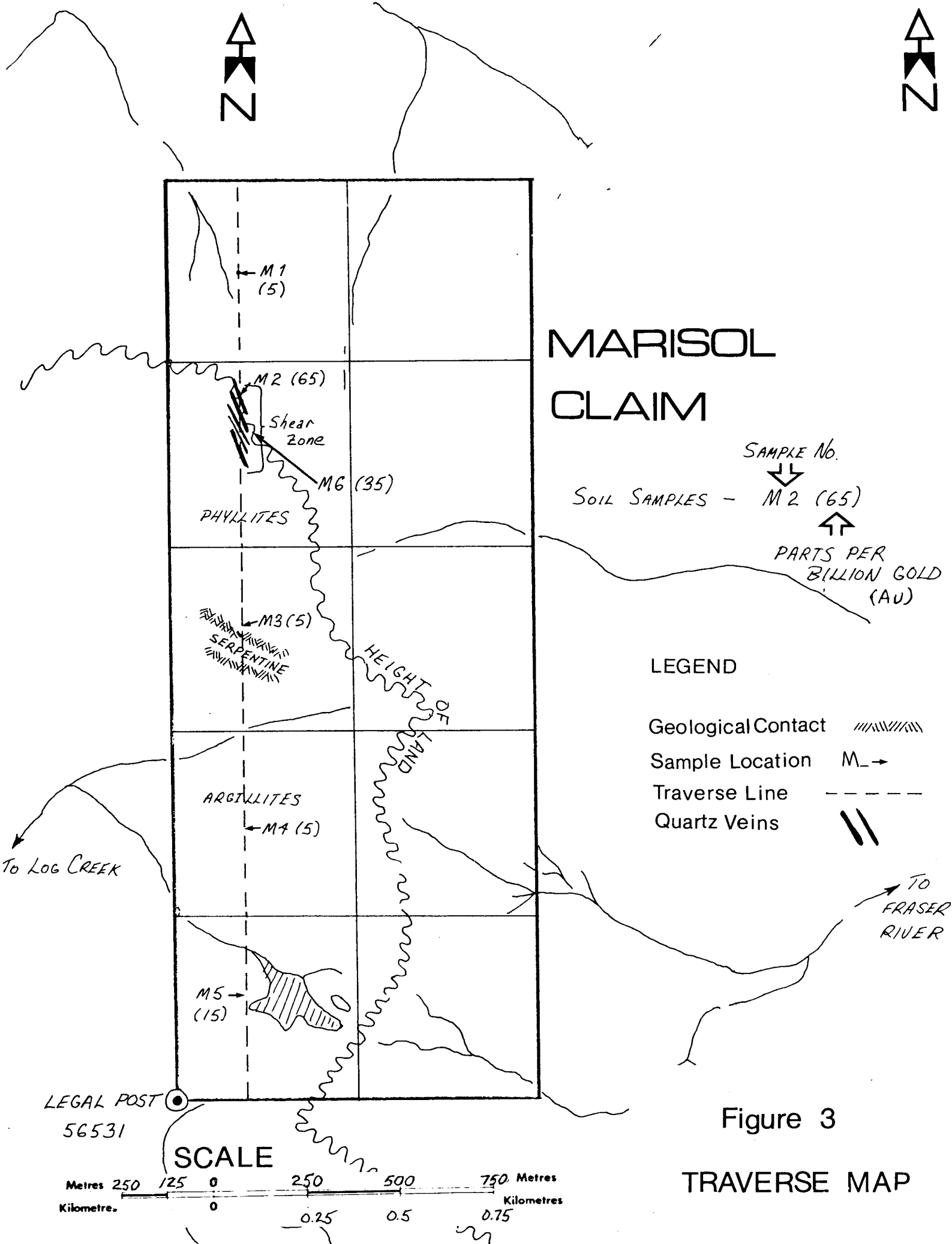
The first field day was spent climbing up to the claim area and setting up a camp. Camp was located in a pleasant flat serviced by a small creek some 300 meters south of the legal post. Accompanying the author of this report was Mr. Jiri Mruzek. A party of prospectors on the claims southwest of the Marisol claim had been attacked by two grizzly bears the preceding year so Mr. Mruzek carried a rifle with him.

The next one and a half days the author and Mr. Mruzek traversed the western boundary of the Marisol claim for its full length, observing geology and topography, taking samples, and recording measurements with a Topofill thread line. Two full length round-trip traverses were made altogether. The traverse on which outcrop and sample locations were noted began two hundred meters east of the legal post and continued 2,500 meters north. A description of this traverse, information from which is recorded on the accompanying map, follows.



The traverse began in a moderate cover of scrub forest at an elevation of about 1,850 meters. Outcrop here is visible only in creek slots, the forest floor being well covered with mull. Where visible the underlying rock is exposed as argillites. At about 400 meters north of the starting point, a creek crosses roughly east-west, draining a small lake just to the east. The rock type here is still argillites and this continues until a point 1,200 meters from the start where one finds a body of serpentine. The serpentine strikes northwest and has a width of about 100 meters (as far as can be determined from the limited exposure). From the northern edge of the serpentine (going north) there are frequent exposures of phyllites. Occasionally one sees a pod of talcose rocks, some of them extremely weathered. At 1,760 meters from the starting point, the first quartz vein is encountered. Thereafter, till the 1920-meter point, many quartz veins were observed, twelve altogether. They appear to lie in a broad shear zone composed of talc schists and quartzites. Most of them strike north 15 degrees west. The largest quartz vein noted was  $1\frac{1}{2}$  meters thick. Although the veins were carefully examined no signs of mineralization were seen.

A soil samples (Sample M-2) taken at 1,900 meters from the starting point, some 5 meters east of a large quartz vein, was analyzed and returned 65 parts per billion in gold. Values in excess of 20 parts per billion are generally considered anomolous for gold in soil samples. The only other anomolous soil sample, Sample M-6, registered 35 parts per billion and it was taken at a point 100 meters south 15 degrees



# MARISOL CLAIM

SAMPLE No.  
 ↓  
 SOIL SAMPLES - M2 (65)  
 ↑  
 PARTS PER BILLION GOLD (AU)

## LEGEND

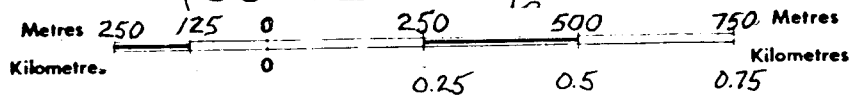
- Geological Contact
- Sample Location    M →
- Traverse Line    - - - - -
- Quartz Veins

Figure 3

TRAVERSE MAP

LEGAL POST  
 56531

### SCALE



east from Sample M-2 to test the extension of the quartz veins south-southeast along strike.

Some random chip samples from the quartz veins were put in to assay for rock geochem and returned marginal values in gold. (See Assay Sheet, Samples M-10 and AM PY).

The traverse beyond the zone containing quartz veins continued from 1,920 meters to 2,500 meters; it uncovered nothing of importance. For the most part this area is underlain by phyllites. From the 2,000 meter point onwards, elevation drops as one descends into the valley of the first large tributary of Kwoiek Creek. With the decrease in elevation there is a corresponding increase in the thickness of the forest making observation of geological features difficult.



Dino Cremonese

December 15, 1980

APPENDIX I

Assessment Work Details

PROPERTY: Marisol Claim

LOCATION: 22 kilometers NW of Boston Bar

DIVISION: New Westminster

M.T.S.: 921/4E

WORK DONE: Prospecting, traverse over 2,500 meters,  
collection of 6 soil samples, 2 rock  
geochem samples, analysis for gold.

FIELD CREW AND DATES: Dino Cremonese: October 16 to October 18, 1980  
Jiri Mruzek: " " " " "

OFFICE WORK:

Report Preparation:	Dino Cremonese	1 day
Preliminary Typing:	Susan Onlock	4 hours
Final Typing:	Kaye Weinman	2 hours
Draftsperson:	Susan Onlock	8 hours

COST STATEMENT

PERSONNEL:

D. Cremonese, Prospector	
..... 4 days @ \$100/day	\$ 400
J. Mruzek, Helper	
..... 3 days @ \$75/day	\$ 225
Susan Onlock, Draftsperson, rough typing	
..... 12 hours @ \$8/hour	\$ 96
Final Typing	
..... 2 hours @ \$12.50/hour	\$ 25

Vehicle Expenses

4 x 4, 4 days @ \$40/day including gas	\$ 160
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Food Expenses

6 man-days @ \$25/man/day	\$ 150
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Geochemical Expenses

8 Au samples, 6 soils and 2 rock	\$ 43
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Report Preparation

Copies, reductions, etc.	\$ 35
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TOTAL	<u>\$1,134</u>
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APPENDIX II

Statement of Qualifications

I, Dino Cremonese, of 2175 East 37th Avenue, Vancouver, B.C. do hereby certify that:

1. I am a mineral property consultant employed by Archaean Resources Corp., 152-890 West Pender, Vancouver, B.C.
2. I am a graduate of the University of British Columbia with a Bachelors Degree in Metallurgical Engineering, 1972, and a Bachelors Degree in Law, 1979.
3. That although I am not directly qualified by education in the field of geology, I have been a part-time prospector and holder of mineral claims since 1972. Moreover I have been employed full-time since September, 1979 in mineral exploration as an assistant to Dr. W.D. Groves, P. Eng., consulting geological engineer, of #152-890 West Pender, Vancouver, B.C.



Dino Cremonese  
December 15, 1980  
Vancouver, B.C.



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

phone:253 - 3158

To: Archaean Resources Corp.,  
152 - 890 W. Pender St.,  
Vancouver, B.C.

File No. 80-1398

Type of Samples Silt & Rock

Disposition \_\_\_\_\_

**GEOCHEMICAL ASSAY CERTIFICATE**

SAMPLE No.	Au																				
M - 1	.005	-																			1
2	.065	-																			2
3	.005	-																			3
4	.005	-																			4
5	.015	-																			5
M - 6	.035	-																			6
																					7
M - 10	R .060																				8
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AM PY	R .035																				10
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All reports are the confidential property of clients  
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Nov. 5, 1980

DATE REPORTS MAILED Nov. 14, 1980

ASSAYER Dean Toy

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER