

5698

TAY GROUP

TAYLOR RIVER AREA

92 F6/W Alberni M.D., B.C.

Lat 49°18'N Long 125°16'W

GEOCHEMICAL REPORT

by

V. CUKOR, P. ENG

November 1975

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 5698 MAP

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1. INTRODUCTION

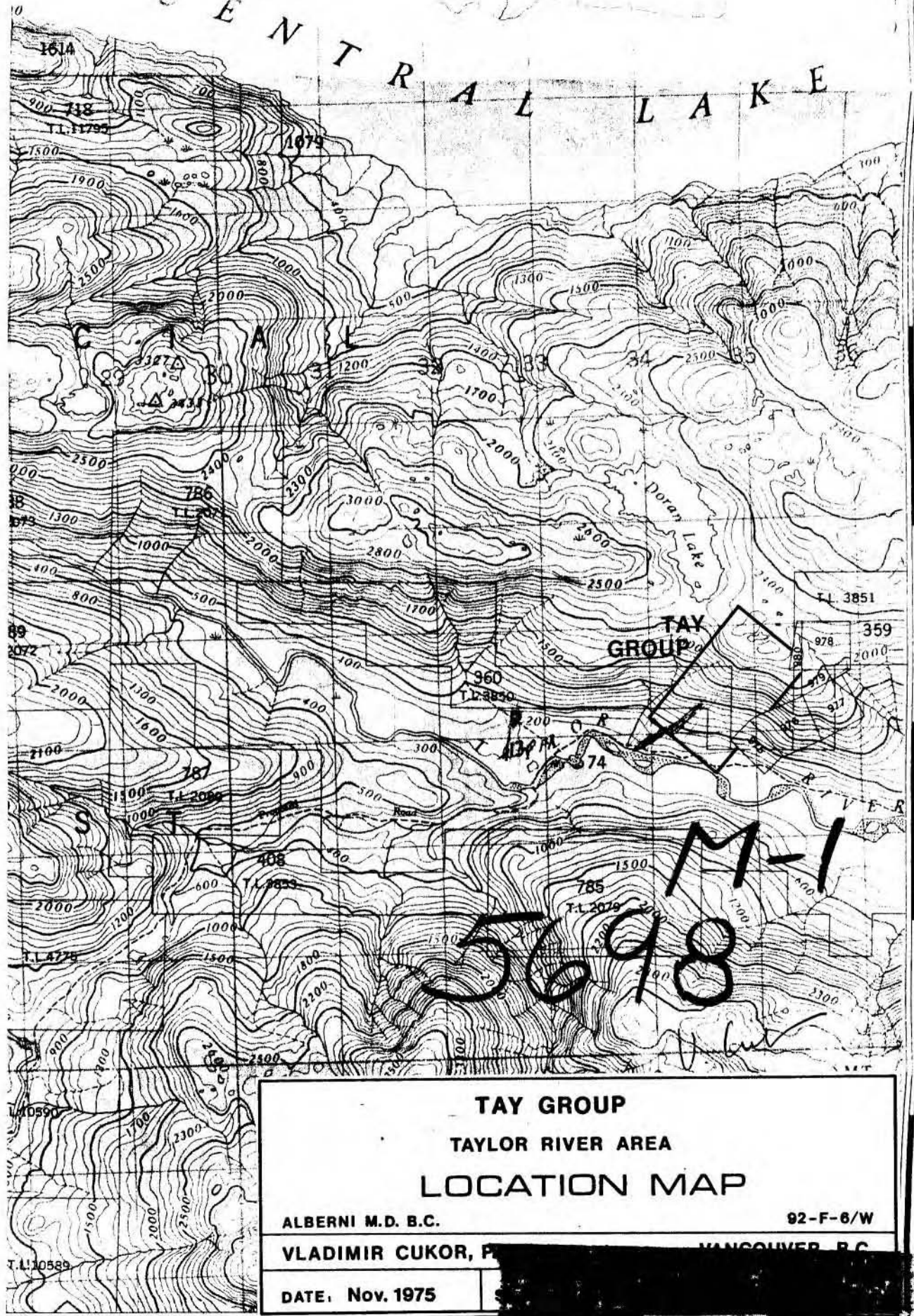
In the month of November 1974, the author, accompanied by Mr. H.S. Aikens, Sr. Technician, spent three days on the TAY claims performing geo-chemical reconnaissance. During that time, claim posts of the TAY claims as well as posts of surrounding claims were surveyed by tape and brunton and plotted on a topographic map blown up to the scale of 1" = 500'. All logging roads and highways were also plotted on the map.

2. PROPERTY, LOCATION, ACCESS

The property consists of six contiguous mineral claims, fully owned by Mr. F. Milokovich of Vancouver, B.C. The claims and record numbers are as follows:

<u>CLAIMS</u>	<u>RECORD NOS.</u>	<u>RECORDING DATE</u>
TAY 1 - 6	20879 - 20884	October 22, 1974

CENTRAL LAKE



M-1  
5098

<b>TAY GROUP</b>	
<b>TAYLOR RIVER AREA</b>	
<b>LOCATION MAP</b>	
ALBERNI M.D. B.C.	92-F-6/W
VLADIMIR CUKOR, P.	VANCOUVER, B.C.
DATE: Nov. 1975	

2. PROPERTY, LOCATION, ACCESS (Cont'd)

According to the claim map obtained from the Mining Recorder's office, the TAY claims were located in apparent contravention over the MIKE claims. Brunton and tape field survey by the author revealed that the location of MIKE claims on the claim map was incorrect. The claim location resulting from this survey is shown on the appended topo map 1" = 500'.

The property is located in the Alberni, B.C. Mining Division, at the north latitude  $49^{\circ}18'$  and west longitude  $125^{\circ}16'$ . It is on the 92F6/W NTS sheet at elevation of 500' to 2400' above sea level. The claims are situated 25 miles west of Port Alberni, B.C. and they are readily accessible by paved highway.

3. GEOLOGY

The regional geology is shown on Map 17-1968 issued in 1969 to accompany GSC Paper 68 - 50 by G.E. Muller.

The property area is underlain by volcanic rocks, mainly andesites intruded by quartz diorite dykes

3. GEOLOGY (Cont'd)

and irregular bodies. Andesite is dark green, and in places strongly altered. Green epidote, dark chlorite, quartz and occasionally calcite and pyrite appear as fractures and vug fillings. A fairly high magnetite content was also noted. In places magnetite appears in blobs up to two feet across.

Some of the fissures cutting the andesite are filled with quartz in places mineralized with gold bearing pyrite. Occasionally chalcopyrite and/or galena and sphalerite also appear.

The most prominent one of such fissures is the "Morning" showing, but is expected that more of these will also appear on the TAY claims. More detailed geological and geochemical work is necessary to locate any of such features if present.

4. GEOCHEMICAL RECONNAISSANCE

(a) Sampling Procedure

Geochemical soil samples were collected by mattock from shallow holes. All samples were placed in kraft soil sample bags, marked and dried. Sample locations were marked and topographic conditions, type of soil and vegetation were recorded.

Generally fairly shallow soil cover is found on most of the claims. A full soil profile is seldom developed. A horizon usually consists of a thin black humus layer. B horizon 1" - 4" thick is brown or reddish brown clayey material, in places somewhat sandy. C horizon consists mostly of yellowish to grey soil mixed with bedrock fragments, seldom more than 1' thick. An attempt was made to collect the samples from B horizon.

The samples were submitted to Vancouver Geochemical Laboratories, to be assayed for gold and copper by the following process:

#### 4. GEOCHEMICAL RECONNAISSANCE (Cont'd)

1. Samples sifted to -80 mesh
2. Weight of sample used 1 gram
3. Extraction by hot  $\text{HNO}_3$  and  $\text{HClO}_4$
4. Method of analysis - Atomic Absorption Spectrophotometry
5. Volume of dilution + 10 mil.
6. Instrument - Techtron AA-4 and AA-5

#### (b) Survey Results

A total of 43 geochemical soil samples were collected along the logging roads and assayed for gold and copper. Except for three samples, gold assays were non detectable. Three samples that assayed 10 and 20 ppb gold were picked up on the lower road in areas where rusty soil was recovered.

Copper in general showed high background with most of the samples assaying over 100 ppm. At least two areas returned anomalous readings, which warrant more detailed examinations. Both are along the upper road. The first area is between sample locations 2 and 5, where values from 165 - 255 ppm Cu were detected, the other is between sample locations 8 and 10 with values of 185 - 227 ppm Cu. In further work samples should be assayed for lead and zinc.







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-IN ACCOUNT WITH-

Mr. Vladimir Cuker,  
 203 - 422 Richards Street,  
 Vancouver, B. C.

Attention: Y6B 2Z4

Report No: 74-01-023 Page 1 of 2  
 Samples Arrived: Nov. 12, 1974  
 Report Completed: Nov. 15, 1974  
 For Project:  
 Analyst: E. Tang  
 Invoice #: 3204

Sample Marking	Cu ppm	Au ppb			
U. R. # 1	120	nd			
2	165	nd			
3	182	nd			
4	190	nd			
5	255	nd			
6	117	nd			
7	100	nd			
8	205	nd			
9	185	nd			
10	227	nd			
11	150	nd			
12	125	nd			
13	127	nd			
14	130	nd			
15	125	nd			
16	190	nd			
17	132	nd			
U. R. # 18	137	nd			
L. R. # 1	122	nd			
2	162	nd			
3	125	nd			
4	160	nd			
5	74	nd			
6	75	nd			
7	120	nd			
8	105	nd			
9	145	nd			
10	24	10			
11	97	nd			
12	70	nd			
13	135	nd			
14	132	nd			
15	170	nd			silt
16	128	nd			
17	165	nd			
18	145	nd			
19	132	nd			
20	100	nd			
L. R. # 21	80	nd			

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REMARKS:

Signed:

% Mo x 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.

5. SUMMARY & RECOMMENDATIONS

The TAY claims are located in the immediate vicinity of the old "Morning" gold vein. A number of parallel gold bearing fissures were reported in the old reports, some of them probably on the TAY claims.

Geochemical soil reconnaissance, although inconclusive, provided enough encouragement for further detailed exploration.

The areas of anomalous readings should be explored in detail, employing detailed geological mapping, geochemical survey followed by trenching in anomalous areas if any encountered.

V. L. L.

6. COSTS OF TAY GEOCHEMICAL SURVEY

## Field Work:

V. Cukor, P. Eng	3 days	@ 150.00	450.00
H.S. Aiken, Sr.Tech.	3 days	@ 80.00	240.00
Food & Lodging			120.00
Transportation			<u>80.00</u>
Total Field Work			\$890.00

## Report:

V. Cukor, P.Eng	2 days	@ 150.00	300.00
Drafting, including enlarging topo map			175.00
Assays			235.00
Typing, Printing, Misc.			<u>100.00</u>
Total Report			\$810.00

Field Work	890.00
Report	<u>810.00</u>
Total	<u><u>\$1,700.00</u></u>



AFFIDAVIT

I, VLADIMIR CUKOR, P. ENG., of 2841 West 18th Avenue,  
Vancouver, B.C. hereby declare:

In the matter of the TAY Claims,  
Geochemical Report, and the list of personel employed  
and costs incurred as listed in this Report, that I have  
inspected and/or carried out personally the work and that  
the information contained is true and accurate to the  
best of my knowledge and belief.



VLADIMIR CUKOR, P. ENG.

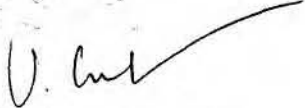
CERTIFICATE

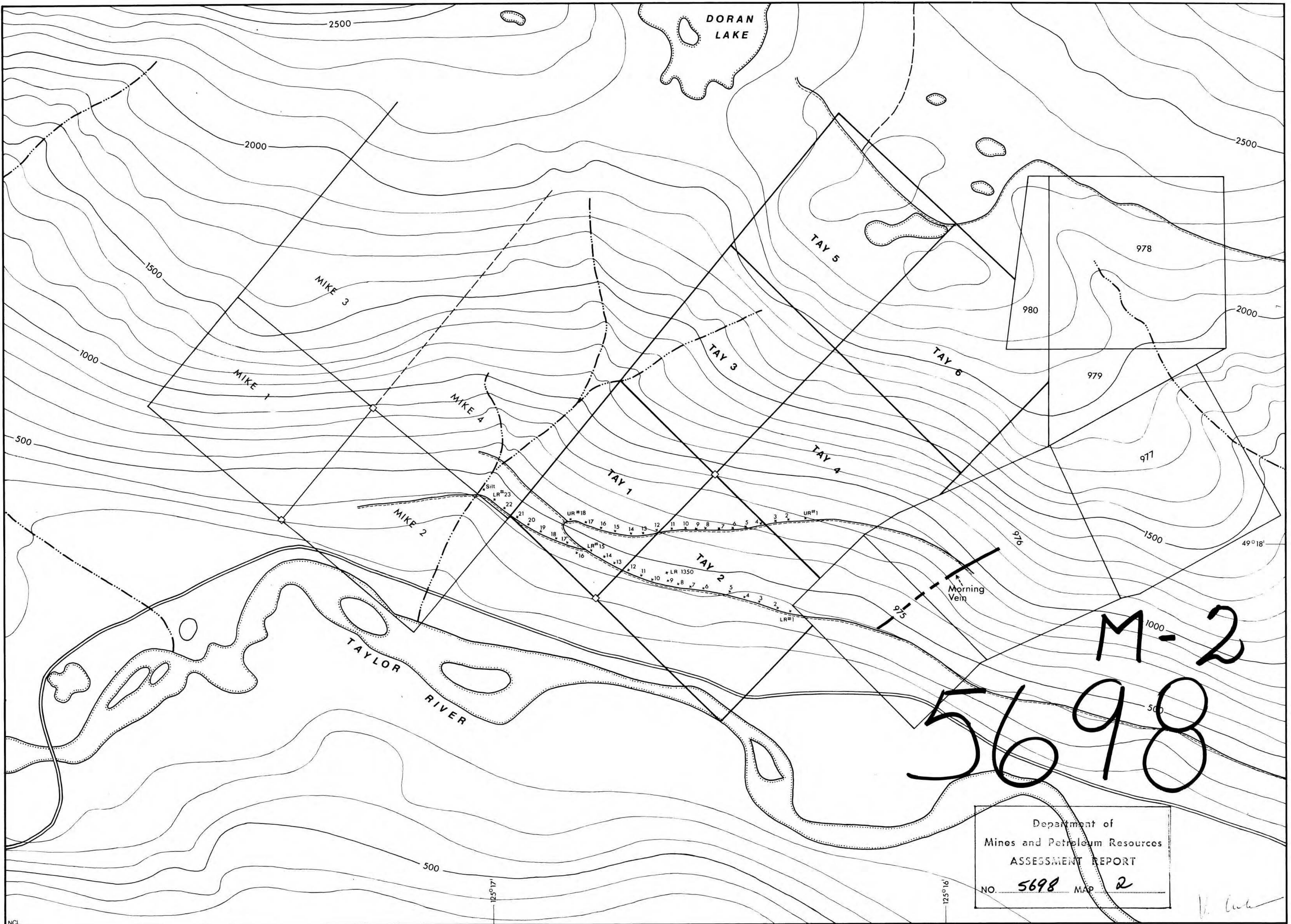
I, VLADIMIR CUKOR, P. ENG., of 2841 West 18th Avenue,  
Vancouver, B.C. do hereby certify:

1. That I am a Geological Engineer
2. That I graduated from the University of Zagreb, Yugoslavia  
in 1963.
3. That I am a Registered Professional Engineer in the  
Geological Section of the Association of Professional  
Engineers of the Province of British Columbia
4. That I have practised my profession as a Geological  
Engineer for the past 12 years, both in Yugoslavia and  
Canada
5. That I have personally supervised and/or carried out the  
work on the TAY claims.

Dated at Vancouver, B.C. this

day of November 1975

  
VLADIMIR CUKOR, P. ENG.



**LEGEND**

- \*LR#1 Soil sample location
- Logging road
- Paved highway
- ~ Creek
- Claim post

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **5698** MAP **2**

<b>TAY GROUP</b>		
TAYLOR RIVER AREA		
<b>GEOCHEMICAL MAP</b>		
ALBERNI M.D. B.C.	92-F-6/W	
VLADIMIR CUKOR, P. Eng.	VANCOUVER, B.C.	
DATE: Nov. 1975	SCALE: 1" = 500'	FIG. 2