



REPORT ON  
VAM GROUP OF MINERAL CLAIMS,  
WATSON LAKE MINING DISTRICT, Y.T.

on behalf of

BEACH GOLD MINES LTD.  
VANCOUVER, B.C.

by

J.H. Montgomery, Ph.D., P.Eng.

February 15, 1981

090812

*J. H. Montgomery*

FROM: Mining Recorder at Watson Lake

O. Supervising Mining Recorder at Whitehorse, Y.T.



FOR ACTION ARE:

NEW APPL'N for PLACER LEASE to PROSPECT: Name: \_\_\_\_\_

RENEWAL APPL'N PLACER LEASE to PROSPECT: Name: \_\_\_\_\_ Lease No. \_\_\_\_\_

AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name: \_\_\_\_\_ Lease No. \_\_\_\_\_

ASSIGNMENT of PLACER LEASE No. \_\_\_\_\_  
From: \_\_\_\_\_ To: \_\_\_\_\_

GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.  
Owner: \_\_\_\_\_

DIAMOND DRILL LOGS:  
Claims: \_\_\_\_\_ Claim sheet no: \_\_\_\_\_

QUARTZ ASSESSMENT REPORT  
Claims: VAM Claim sheet no. \_\_\_\_\_

Type of report: \_\_\_\_\_ Submitted by: Glen L. Harris

Cls. work performed on: \_\_\_\_\_ \$ Req. for ren. application \_\_\_\_\_

*3rd copy to accompany  
report sent 21 Sept. 81*

[Signature]  
Signature

REPLY ACTION.

Date Ret.

Signature

FROM: Mining Recorder at Watson Lake

O. Supervising Mining Recorder at Whitehorse, Y.T.

FOR ACTION ARE:



NEW APPL'N for PLACER LEASE to PROSPECT: Name:

RENEWAL APPL'N PLACER LEASE to PROSPECT: Name:

AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name: \_\_\_\_\_ Lease No. \_\_\_\_\_

ASSIGNMENT of PLACER LEASE No. \_\_\_\_\_  
From: \_\_\_\_\_ To: \_\_\_\_\_

GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.  
Owner: \_\_\_\_\_

DIAMOND DRILL LOGS:  
Claims: \_\_\_\_\_ Claim sheet no: \_\_\_\_\_

QUARTZ ASSESSMENT REPORT  
Claims: VAM Claim sheet no. 105-6-14

Type of report: ? Submitted by: Glen R. Harris

Cls. work performed on: VAM 36-38 \$ Req. for ren. application \$2,000.00

[Signature]  
Signature

NOTE: ONLY 1 COPY SUBMITTED

REPLY ACTION:

Date Ret. \_\_\_\_\_

Signature \_\_\_\_\_



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
YUKON QUARTZ MINING ACT  
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	GLEN L. HARRIS	Occupation	PROSPECTOR
(Postal Address)	707 BLACK STREET, WHITEHORSE, YUKON		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA 28702	VAM 36
YA 28703	VAM 37
YA 28704	VAM 38

situated at Northwest of Pelly Banks Claim Sheet No. 105-G-14

in the Watson Lake Mining District, to the value of at least 600.00

dollars, since the 15 day of July 19 80,

to represent the following mineral claims under the authority of Grouping Certificate No. 2919

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA 28702	VAM 36	2 YEARS
YA 28703	VAM 37	2 YEARS
YA 28704	VAM 38	2 YEARS

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Commencing the 15 July, 1980 and ending February 15, 1981. The Engineer, Geologist, President of Beach Gold and myself did a proper examination of the claims area and had a report made up

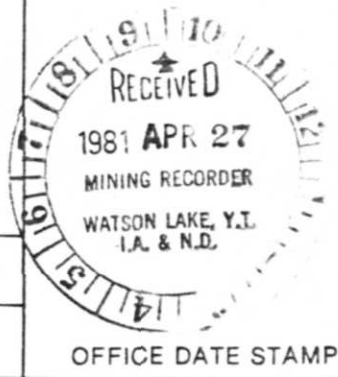
Sworn before me at the City of Whitehorse  
this 22nd day of April 19 81  
in the Yukon Territory

Rubyn Storey  
Notary Public in and for  
the Yukon Territory

Glen L. Harris  
Applicant



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
YUKON QUARTZ MINING ACT  
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	GLEN L. HARRIS	Occupation	PROSPECTOR
(Postal Address)	707 BLACK STREET, WHITEHORSE, YUKON		

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA 28677	VAM 11	YA 28698	VAM 32
YA 28679	VAM 13		
YA 28684	VAM 18		
YA 28685	VAM 19		
YA 28687	VAM 21		
YA 28688	VAM 22		
YA 28696	VAM 30		

situated at NORTHWEST OF PELLY BANKS Claim Sheet No. 105-G-14  
in the WATSON LAKE Mining District, to the value of at least 1,400.00  
dollars, since the 15 day of July 19 81

to represent the following mineral claims under the authority of Grouping Certificate No. 2918

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA 28677	VAM 11	1 YEAR
YA 28679	VAM 13	1 YEAR
YA 28684	VAM 18	2 YEARS
YA 28685	VAM 19	2 YEARS
YA 28687	VAM 21	2 YEARS
YA 28688	VAM 22	2 YEARS
YA 28696	VAM 30	2 YEARS
YA 28698	VAM 32	2 YEARS

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Commencing the 15th July, 1980 and ending February 15, 1981 the Engineer, Geologist, President of Beach Gold and myself did a property examination of the claims area and had a report made up.

Sworn before me at City of Whitehorse in the Yukon Territory  
this 22nd day of April 19 81  
[Signature]  
Notary Public in and for the Yukon Territory

[Signature]  
Applicant



TO  
A

Patti McLeod  
Mining Recorder  
Watson Lake

FROM  
DE

Ruth Debicki  
Staff Geologist  
Whitehorse

SECURITY - CLASSIFICATION - DE SÉCURITÉ
OUR FILE / NOTRE RÉFÉRENCE
YOUR FILE / VOTRE RÉFÉRENCE
DATE <b>November 9, 1981</b>

SUBJECT     **Assessment Report on VAM claims, 105 G 14**  
OBJET

Acting under instructions of Dr. Dirk Tempelman-Kluit, Regional Geologist, according the authorization given by Doug Bell, Commissioner of Yukon on July 19, 1981, I would like to advise you that the report by J.H. Montgomery dated Feb. 15, 1981, and submitted for consideration for assessment credit April 14, 1981 was found not eligible for assessment credit.

As you are aware, the company was advised on more than one occasion that the report did not comply with the Schedule of Representation Work, and requests were made for additional information to ensure compliance of the report with the schedule and to make it eligible for consideration for assessment credit. In response to these requests, additional copies of the original report were submitted.

Mr. Glen Harris, acting for the company, claims in notes submitted with the reports, to have discussed the report and its contents with Blake Baxter and Dirk Tempelman-Kluit. Neither Mr. Baxter nor Dr. Tempelman-Kluit remembers discussing the report, let alone informally approving its contents.

I have enclosed two copies of the report, for return to the company, with the Form "C's" and transmittal form.

*R. Debicki*



TO  
A

**Mining Lands Section  
Watson Lake, Yukon**

FROM  
DE

**Geological Evaluation Unit  
Whitehorse, Yukon**

SECURITY - CLASSIFICATION - DE SÉCURITÉ
OUR FILE / NOTRE RÉFÉRENCE
YOUR FILE / VOTRE RÉFÉRENCE
DATE <b>October 14, 1981</b>

SUBJECT  
OBJET

**assessment report submitted for consideration for assessment credit by  
Beach Bold Mines Ltd. on VAM and PATCHES claims, 105 G 14.**

1. **Watson Lake Mining Recorder was notified May 26, 1981 that the report did not comply with the Schedule of Representation Work in several instances, and as it stood was not eligible to receive assessment credit.**
2. **Watson Lake Mining Recorder notified the company of this.**
3. **The company wrote to Glen Harris asking him to clarify the matter. In its letter, the company noted that the report was a qualifying report, and not an assessment report. Qualifying reports are not eligible for assessment credit.**
4. **Blake Baxter noted, on a corder of the letter, that he understood Glen Harris spoke to Dirk Tempelman-Kluit regarding this. Dr. Tempelman-Kluit does not recall discussing this, and recommended turning down the application for assessment credit for the report as it was submitted.**
5. **No eligible assessment report or qualifying amendments to the original report were received by October 1, although Glen Harris acknowledged receipt of notification re the non-compliance of the report by sending an exact duplicate of the original report for consideration for credit.**
6. **Geological Evaluation Unit finds that no credit can be given for the report as it was submitted, even after notification of the shortcomings of the report was made, and recommends that the status of the claims be adjusted accordingly.**

**cc Blake Baxter  
Regional Manager,  
Mineral Rights**



P. O. Box 269  
Watson Lake, Yukon  
YOA 1C0

16 September, 1981

DOUBLE REGISTERED

Glen L. Harris  
707 Black St.  
Whitehorse, Yukon

Your file    Votre référence

Our file    Notre référence



Dear Sir:

RE: VAM Mineral Claims

Further to my letter of 20 August, 1981, I have not yet received your property examination report on the above mineral claims.

This matter has been pending for some time now and the report must be in this office on or prior to 1 October, 1981. Failure to respond will result in the refusal of your applications dated 27 April, 1981, and lapsing of the mineral claims.

Yours truly,

Patti L. McLeod  
Mining Recorder  
Watson Lake Mining District

PLM/nm

c.c. Beach Gold Mines Ltd.

536-7366 —

*Enclosing another copy of report  
as per our telephone conversation.*

*Yours truly  
Glen L. Harris*



P. O. Box 269  
Watson Lake, Yukon  
YOA 1C0

20 August, 1981



Your file    Votre référence

Our file    Notre référence

Glen L. Harris  
707 Black St.  
Whitehorse, Yukon

Dear Sir:

RE: VAM Mineral Claims  
105-G-14

We have been advised by Mr. R. W. Hughes that you will be submitting a report concerning the property examination of the above noted claims.

As this report has been pending since April of this year, would you kindly have it in this office prior to 7 September, 1981.

Yours truly,

Patti L. McLeod  
Mining Recorder  
Watson Lake Mining District



PLM/nm

*Sending 3 copy of report in case you still not have received other one I sent. Was in to see Dick Tompkins Hilt and he said he would accept report as was a Qualifying report rather than an assessment report. Also seen Mr Bunter and he seen no problem.*

*Yours truly  
Glen L Harris*



## BEACH GOLD MINES LTD. (N.P.L.)

Suite 706 - 675 W. Hastings St.,  
Vancouver, B.C. V6B 1N2  
Phone: 688-4691  
688-5022

*To RUTH  
UNDERSTAND  
GLEN HARRIS  
SPOKE TO  
DIRK ON  
THIS ONE*

June 25, 1981  
File: BG 100

Mr Glen L. Harris  
707 Black Street  
Whitehorse, Yukon

Dear Mr Harris:

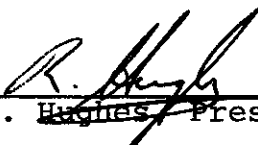
Re: Work filed on VAM claims,  
Yukon, 105-G-14

Please would you contact the Watson Lake Mining Recorder on our behalf to clarify some points regarding the assessment work filed on the above claims. First of all, the report by Joe Montgomery dated February 15, 1981 was not an assessment report. It was a qualifying report, compiled by Mr Montgomery on the basis of his visit to the property in August, 1980 (not October, 1980, as the report mistakenly states). Whilst on the property, Mr Montgomery took rock samples from 2 areas and the findings from these samples, together with his appraisal of previous work, led to the qualifying report and the acquisition of the property by Beach.

We should be grateful if you would ensure that the assessment work you have filed on these claims is applicable to the property and that it reflects the work that was done.

Yours truly

BEACH GOLD MINES LTD. (NPL)

  
\_\_\_\_\_  
R. W. Hughes, President

RWH/scw

**Geology Section  
200 Range Road  
Whitehorse, Yukon Territory  
Y1A 3V1**

**26 May 1981**

**Ms. Patti McLeod  
Mining Recorder  
Watson Lake, Yukon  
YOA 1C0**

**Dear Patti:**

**Please be advised that the assessment report submitted by Beach Gold Mines Ltd. on the VAN and PATCHES claims, 105 G 14, requires further information before it can be accepted for assessment credit.**

**\* According to Section 6(b)(v) of the schedule of representation work, the dates during which the work was done must be indicated. According to Section 6(a)(iii), a certified statement of expenditures must be provided. Although the report submitted indicates that a visit was made to the property, no discussion of the purpose or results of the visit is given in the report. Geological evaluation unit has advised me that the report simply summarized previous work, and recommends new work, but does not discuss current work. Please inform the company that unless a discussion of the current work is provided for incorporation in the report, along with the other information required, I will recommend to the Commissioner that the report not be accepted for credit.**

**Yours truly,**

**B. P. Baxter  
Supervising Mining Recorder**

**BRB:vk**

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## 1.0 SUMMARY AND CONCLUSIONS

Beach Gold Mines Limited of Vancouver, British Columbia holds title to 50 mineral claims located in Watson Lake Mining District, Yukon Territory. The claims, which are held under option by Beach Gold, consist of VAM 11-16, 18-19, 21-38, PATCHES 1-24 and are located about 60 kilometers (37 miles) east of Ross River, Y.T.

Previous work on the VAM claims, consists of a geochemical survey, a partial gravity survey, a VEM survey, an airborne electromagnetic survey, a ground magnetic survey and minor overburden drilling. The VEM survey showed a large area of strong anomalous response which may be due to graphite. Also a broad gravity anomaly was delineated. No previous work is known on the PATCHES claims.

A program of exploration is recommended for the VAM-PATCHES claim group to consist of gravity and electromagnetic surveys. The program is to further test the anomalies detected by previous work and to explore the geologically favorable rocks which extend onto the VAM-PATCHES from the adjacent EAGLE group of claims.

The program is estimated to cost about  
\$60,000.00 and to take 1.5 months to complete.

## 2.0 INTRODUCTION

Beach Gold Mines Limited of Vancouver, British Columbia has retained me to examine and evaluate the VAM and PATCHES group of mineral claims which are located about 60 kilometers (37 miles) east of Ross River, and 6 miles west of Fort Felly Banks, Yukon Territory in the Watson Lake Mining District.

This report is based on a personal visit to the property in October, 1980 and on a study of previous reports and various government publications relating to the area.

A program consisting of a gravity survey is recommended to further test the area. A cost estimate has been prepared.

### 3.0 LOCATION AND ACCESS

The VAM and PATCHES group of mineral claims is located about 60 kilometers (37 miles) east of Ross River, and 6 miles west of Fort Pelly Banks, Yukon Territory. See Figure 3-1.

The claims are located on the north bank of Pelly River at elevations ranging from 850 meters (2800 feet) to 1000 meters (3300 feet). The claim area has low relief with light scrub timber, deciduous trees and underbrush.

Although the property is located only a short distance north of Robert Campbell Highway, the Pelly River flows between them making access difficult. At present, helicopter or barge is the means of access.

The N.T.S. Map Reference is 105G/14 (Finlayson Lake Sheet); Latitude -  $61^{\circ}46'N$ ; Longitude -  $131^{\circ}16'W$ .

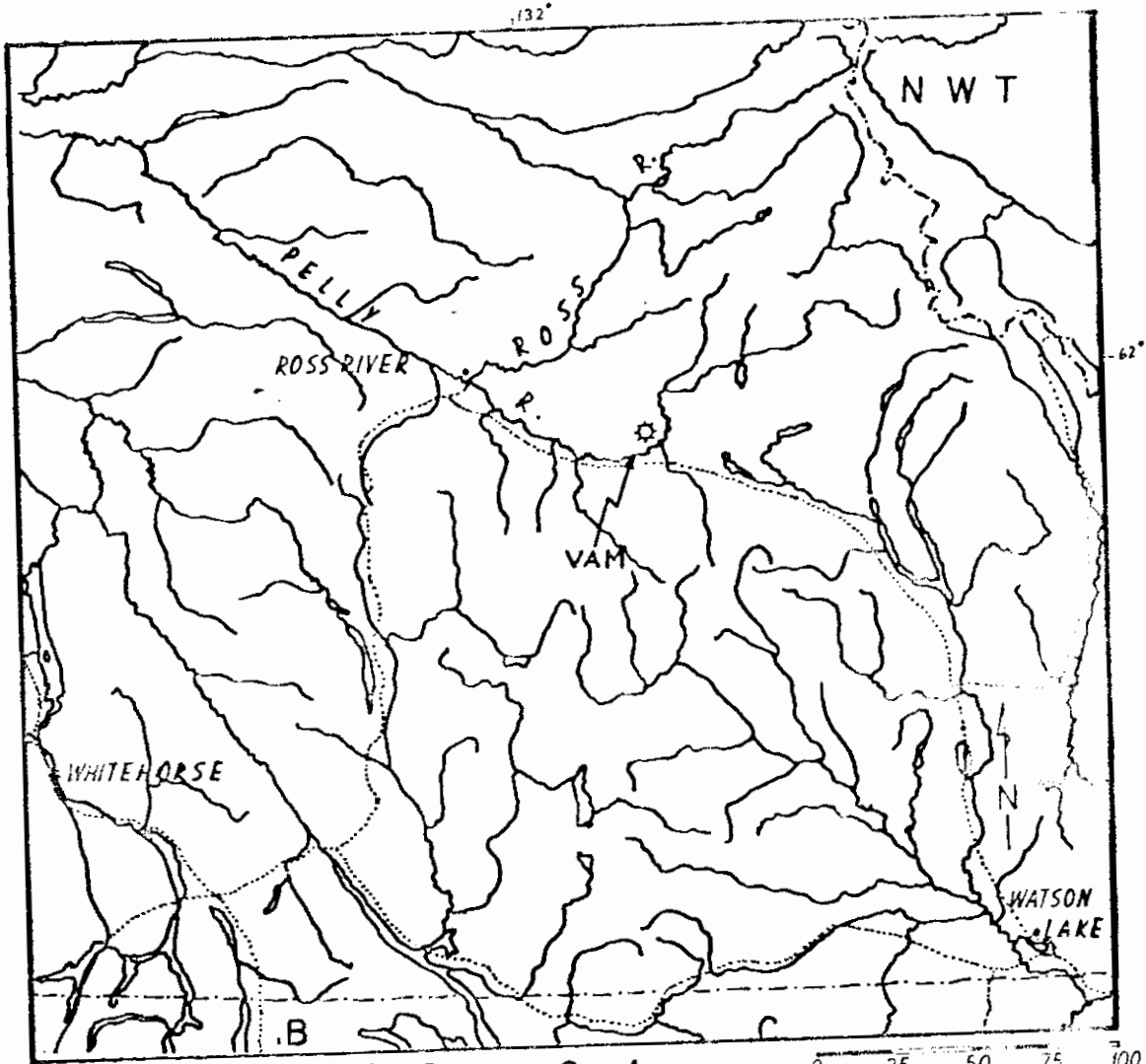


FIGURE 3-1

LOCATION MAP  
 VAM GROUP-WATSON LAKE M.D.  
 YUKON TERRITORY

**BEACH GOLD MINES LTD.**

#### 4.0 CLAIM INFORMATION

The VAM and PATCHES group of claims consists of 50 full sized mineral claims, VAM 11-16, 18, 19, 21-38, PATCHES 1-24. The claims are all located within Watson Lake Mining District, Yukon Territory. The claims are held presently under option agreement by Beach Gold Mines Limited of Vancouver, B.C. Pertinent claim information is listed in the following table:

CLAIM (no.)	RECORD No.	EXPIRY DATE
VAM 11	YA 28677	May 26, 1981
VAM 12	YA 28678	May 26, 1983
VAM 13	YA 28679	May 26, 1981
VAM 14	YA 28680	May 26, 1983
VAM 15	YA 28681	May 26, 1982
VAM 16	YA 28682	May 26, 1982
VAM 18	YA 28684	May 26, 1981
VAM 19	YA 28685	May 26, 1981
VAM 21	YA 28687	May 26, 1981
VAM 22	YA 28688	May 26, 1981
VAM 23	YA 28689	May 26, 1983
VAM 24	YA 28690	May 26, 1983
VAM 25	YA 28691	May 26, 1983
VAM 26	YA 28692	May 26, 1983
VAM 27	YA 28693	May 26, 1983
VAM 28	YA 28694	May 26, 1983
VAM 29	YA 28695	May 26, 1983
VAM 30	YA 28696	May 26, 1981
VAM 31	YA 28697	May 26, 1983
VAM 32	YA 28698	May 26, 1981
VAM 33	YA 28699	May 26, 1983
VAM 34	YA 28700	May 26, 1983
VAM 35	YA 28701	May 26, 1983
VAM 36	YA 28702	May 26, 1981
VAM 37	YA 28703	May 26, 1981
VAM 38	YA 28704	May 26, 1981

CLAIM (No.)	RECORD No.	EXPIRY DATE
PATCHES 1	YA 28476	April 19, 1981
PATCHES 2	YA 28477	April 19, 1981
PATCHES 3	YA 28478	April 19, 1981
PATCHES 4	YA 28479	April 19, 1981
PATCHES 5	YA 28480	April 19, 1981
PATCHES 6	YA 28481	April 19, 1981
PATCHES 7	YA 28482	April 19, 1981
PATCHES 8	YA 28483	April 19, 1981
PATCHES 9	YA 28484	April 19, 1981
PATCHES 10	YA 28485	April 19, 1981
PATCHES 11	YA 28486	April 19, 1981
PATCHES 12	YA 28487	April 19, 1981
PATCHES 13	YA 28488	April 19, 1981
PATCHES 14	YA 28489	April 19, 1981
PATCHES 15	YA 28490	April 19, 1981
PATCHES 16	YA 28491	April 19, 1981
PATCHES 17	YA 28606	April 27, 1981
PATCHES 18	YA 28607	April 27, 1981
PATCHES 19	YA 28608	April 27, 1981
PATCHES 20	YA 28609	April 27, 1981
PATCHES 21	YA 29610	April 27, 1981
PATCHES 22	YA 28611	April 27, 1981
PATCHES 23	YA 28612	April 27, 1981
PATCHES 24	YA 28613	April 27, 1981

TOTAL 50 Claims

The locations of the claims shown in Figure 4-1 are approximate only. Information regarding claims was obtained from Company officials and from the Mining Recorder's office in Whitehorse, Y.T.

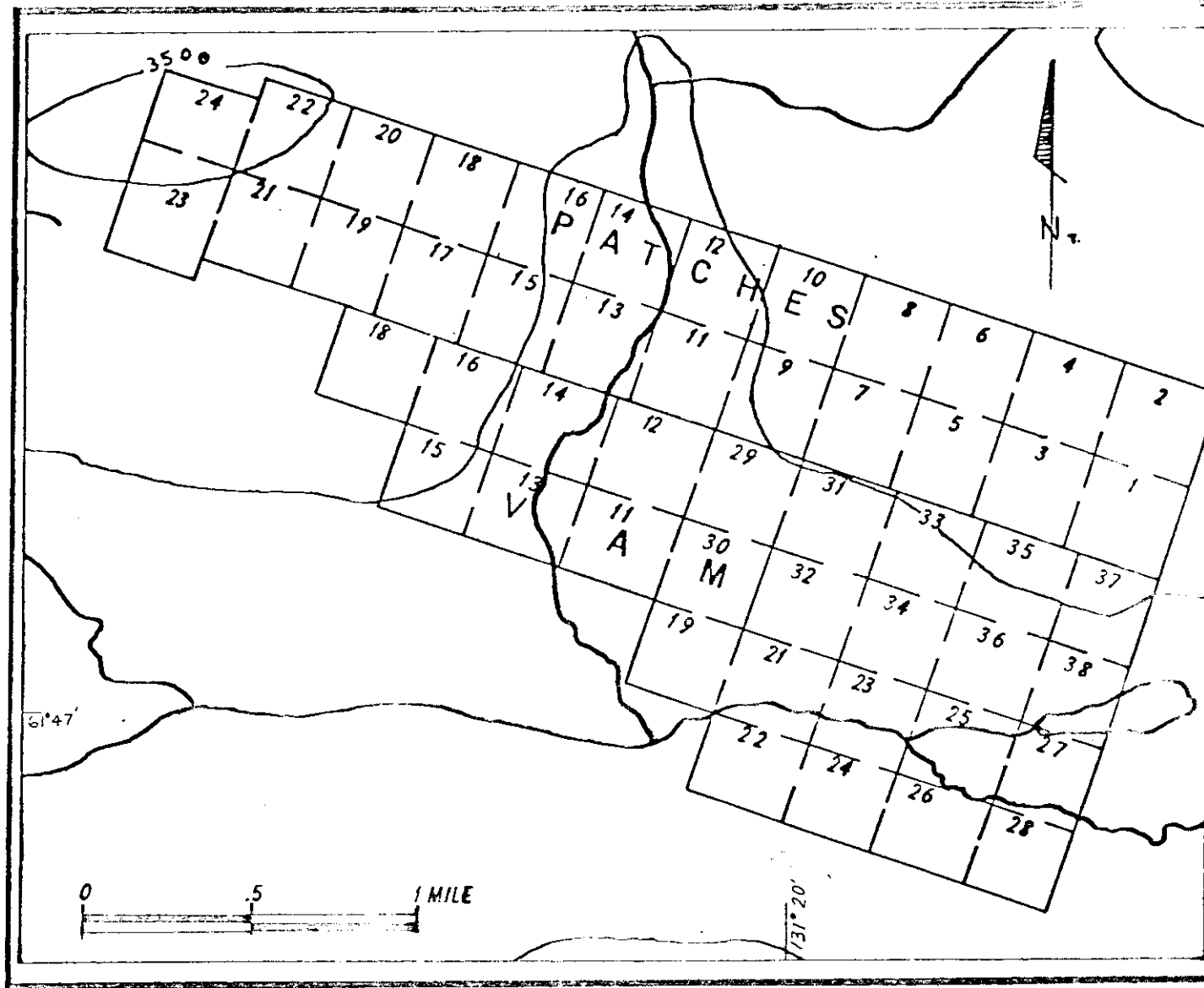


FIGURE 4-1  
 CLAIM MAP - VAM GROUP  
 WATSON LAKE M.D., YUKON  
 BEACH GOLD MINES LTD.

## 5.0 PREVIOUS WORK

Previous work on the VAM claims included a geochemical survey, VEM survey, ground magnetic, airborne electromagnetic survey, a partial gravity survey, and minor overburden drilling.

In 1978, a soil geochemistry survey by J.W. Murtar for Kerr-Addison Ltd. produced no anomalous results, on 85 samples analyzed for Cu, Pb, Zn and Az.

Also in 1978, a VEM survey showed a large area of anomalous readings, similar to those detected over graphitic and/or sulphide conductors. The indication of graphite at one end of the anomaly favors a graphite source for the response.

A brief ground magnetic survey in the same year elicited a "flat" response.

An airborne electromagnetic survey in 1978 by Dupont of Canada indicated that the area of the claims is largely underlain by conductive rocks; probably graphite.

A gravity survey done over part of the claim-area in 1978 by C.A. Ager on behalf of Kerr-Addison Limited, revealed a poorly defined gravity high interpreted an "arch of volcanics of unknown extent".

Overburden drilling was attempted in 1978. No hole reached bedrock, and analysis of the sampled material yielded no anomalous results.

## 6.0 GEOLOGY

The regional geology around the claim area has been mapped by J.O. Wheeler (1958), L. Green and Roddick (1959) and others. A compilation was made by D.J. Tempelman-Kluit (1977). A portion of his map (Open File 486) is shown in Figure 6-1.

The claim-area is underlain by Unit 2Pk<sub>3</sub> which is described by Tempelman-Kluit (1977) as "pale green muscovite chlorite quartz phyllite and medium-green amphibole chlorite phyllite; includes minor black marble; generally strongly sheared with a well-developed, slightly recrystallized, cataclastic texture". Foliation trends westerly and dips north about twenty-five degrees.

Other rock units which are shown in Figure 6-1 are described by Tempelman-Kluit as follows:



FIGURE 6-1

Regional Geology of the Vam & Patches Group  
 Yukon Territory (AFTER DJ.T-K, 1977)

Beach Gold Mines Ltd.

- |                         |                            |                              |                    |
|-------------------------|----------------------------|------------------------------|--------------------|
| QTVb - Basalt           | QTVbo - Olivine Basalt     | CPav - Amphibolite-Basalt    | CPat - Chert, Tuff |
| CPac - Quartz-Carbonate | CPaub - Dunite, Serpentine | OSDgc - Siltstone, Quartzite |                    |
| PEsc - Schist, Marble   | EN - Gneiss                | EPk3 - Phyllite              |                    |

POST - TECTONICEXTRUSIVE AND SEDIMENTARY ROCKSLate Tertiary or Quaternary

Unit QTvb - Recessive brown weathering, fresh brown basalt and basalt breccia.

Unit QTvbo - Columnar jointed, brown weathering fresh olivine basalt.

ALLOCHTHONOUS ROCKSOMINECA CRYSTALLINE BELTANVIL-CAMPBELL ALLOCHTHONOUS ASSEMBLAGECarboniferous and Permian (possibly older)

Unit CPAV - Resistant, dark grey weathering, massive, dark green aphanitic basalt and minor augite porphyry; includes pyroxene gabbro and serpentine undifferentiated.

Unit CPA - Recessive, jasper-red and apple-green chert and cherty tuff; includes basalt undifferentiated.

Unit CPAub - Resistant dun-brown weathering dunite, peridotite and pyroxenite and serpentinized equivalents; includes serpentine and quartz carbonate rock undifferentiated.

Unit CPac - Resistant, orange-weathering quartz carbonate rock with minor green chromian muscovite; includes serpentine undifferentiated.

AUTOCHTHONOUS AND PARAUTOCHTHONOUS ROCKS

PELLY-CASSIAR PLATFORM

Silurian and Lower Devonian

Nasina Facies

Unit OSDgc - Recessive, dark grey to black weathering thin bedded and platy calcareous and dolomitic graphitic siltstone with minor black graphitic slate; gradational with, and contains lenses of dolomite, orthoquartzite and sandy dolomite undifferentiated.

?AUTOCHTHONOUS?

?WINDERMERE AND CAMBRIAN?

Unit PEsc - Buff weathering biotite garnet muscovite schist with interfoliate lenses of coarsely crystalline, light grey marble; includes minor augen gneiss; structurally gradational with augen gneiss.

Unit Pn - Blacky medium-grey weathering, biotite muscovite quartz feldspar augen gneiss of quartz monzonite composition with minor interfoliated biotite muscovite quartz schist; boundaries arbitrary

In the lower left corner of Figure 6-1, a small part of the Tintina Fault is shown. The Tintina Fault is a major northwest-trending fault structure which separates Paleozoic sediments on the southwest from metamorphic rocks on the northwest.

Tempelman-Kluit (1977) has shown a lead-zinc geochemical anomaly in Unit  $EPk_3$  about 12 kilometers northwest of the VAM and PATCHES group and sphalerite and galena mineralization in float of the same rock type about 20 kilometers southwest of the VAM and PATCHES group.

Mineralized boulders of schist containing sphalerite and galena are present in the creek bank about 5 kilometers east of the claim area.

## 7.0 RECOMMENDATIONS

Although considerable work has been done on the property without defining favorable drilling targets, the claim-area does cover geologically favorable rocks which extend from the adjacent property (EAGLE GROUP) on the eastern boundary of the VAM-PATCHES claim group. Work has been recommended on the EAGLE GROUP (gravity and electromagnetic surveys) by the writer to investigate a conductive zone which contains galena-sphalerite mineralization and it is recommended that some similar program be done on the VAM-PATCHES group. A limited amount of gravity surveying and electromagnetic survey is suggested. Details are as follows:

1. Gravity Survey - establish an east-west baseline on the claim area and run north-south lines at intervals of 150 meters. About 20 line-kilometers will be sufficient. Surveying and levelling will be required to establish vertical and horizontal control for gravity interpretation.
2. Electromagnetic Survey - run a P.E.M. (pulse E.M.) survey over the grid area to determine whether the conductive zone extends westerly from EAGLE GROUP.

8.0 COST ESTIMATE

## 1. PERSONNEL (40 days)

(a) Gravity operator	1 @ \$80/day	3,200.00
(b) Gravity assistant	1 @ \$50/day	2,000.00
(c) Surveyor	1 @ \$80/day	3,200.00
(d) Rod Man	1 @ \$50/day	2,000.00
(e) Geologist	1 @ \$100/day	4,000.00
(f) Cook	1 @ \$60/day	2,400.00
	TOTAL	16,800.00
	Benefits, costs, etc.	8,400.00

## 2. EQUIPMENT RENTAL

(a) Gravimeter	1,200.00
(b) Survey Equipment	1,500.00
(c) Radio	300.00

## 3. CAMP

(a) Equipment	5,000.00
(b) Supplies	4,800.00
(c) Mobilization & Demobiliation	5,000.00

## 4. TRANSPORTATION

(a) Helicopter	10 hrs. @ \$350	3,500.00
----------------	-----------------	----------

## 5. COMMUNICATION

(a) Radio	400.00
(b) Telephone	200.00

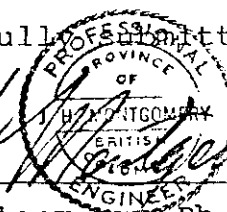
6. ENGINEERING & SUPERVISION	<u>3,500.00</u>
------------------------------	-----------------

SUB-TOTAL \$50,600.00

7. CONTINGENCIES	<u>9,400.00</u>
------------------	-----------------

TOTAL \$60,000.00

Respectfully submitted,

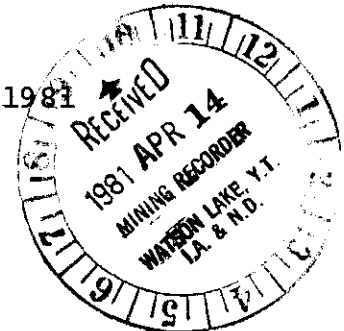
  
 J.H. Montgomery, Ph.D., P.Eng.  
 Vancouver, B.C.  
 February 15, 1981



# BEACH GOLD MINES LTD. (N.P.L.)

Suite 706 - 675 W. Hastings St.,  
Vancouver, B.C. V6B 1N2  
Phone: 688-4691  
688-5022

April 9, 1981



Mr. Glenn L. Harris,  
707 Black Street,  
Whitehorse,  
Yukon Territory.

Dear Mr. Harris :

Please be advised that the costs which we have incurred to date on the Vam and Patches ground for Beach Gold Mines Ltd. are as follows :

1. Helicopter and transportation	\$ 700.00
2. R.W. Hughes Art Troop	200.00 200.00
3. Engineering report	900.00
	<hr/>
	\$2,000.00



Yours very truly,

BEACH GOLD MINES LTD.

R.W. HUGHES  
President.

RWH/jmp  
Encls : Engineering report (copy)

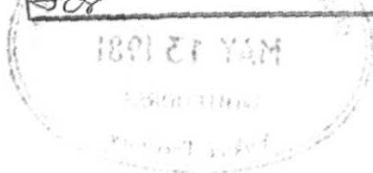
090812

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 0

~~Resident Geologist or  
Resident Mining Engineer~~

~~Considered as representation work under  
Section 53 (4) Yukon Quartz Mining Act.~~

*R. Dubicki*  
*For* Commissioner of Yukon Territory *Oct 13/81*



*mining exploration services  
property evaluation & assessment  
computer applications in mineral industry*

Beach Gold Mines Ltd.  
c/o Mark Management  
706 - 675 W. Hastings St.  
Vancouver, B.C.

Invoice 80VM1 - #1

PROJECT: 80VM1

PERIOD: February 2, --24, 1981

DATE: May 11, 1981

WORK DONE: Preparation of report on VAM group of claims.

PROFESSIONAL FEES: J.H. Montgomery  
2½ days @ \$350 875.00

EXPENSES:

Photocopies	19.10
Drafting	120.00
Wages (geologist)	135.00
Map	8.58
Typing	120.00
Binders	7.00

Total \$1284.68

**MONTGOMERY CONSULTANTS LIMITED**  
203-2786 W. 16th AVENUE VANCOUVER B.C. V6K 3C3 734-2878



**MONTGOMERY CONSULTANTS LTD.**

605 - 850 West Hastings Street  
VANCOUVER, B.C. V6C 1E1  
Phone 685-3931

**STATEMENT**

Beach Gold Mines Ltd.  
c/o Mark Management

These are professional services & payable  
when rendered. Over 30 days 1.5% interest  
TERMS will be charged per month.

PLEASE DETACH AND RETURN WITH YOUR REMITTANCE

\$ \_\_\_\_\_

DATE	INVOICE NUMBER / DESCRIPTION	CHARGES	CREDITS	BALANCE
		BALANCE FORWARD ▶		
July 11	80VMI-#1	1284.68		<u>\$1284.68</u>
	<i>Cheque # 480 June 11/81</i>		<i>ALL PAY</i>	
			<i>539</i>	

**MONTGOMERY CONSULTANTS LTD.**

*Thank You*

 PAY LAST AMOUNT  
IN THIS COLUMN

RICHARD W. HUGHES

706 - 675 West Hastings Street  
Vancouver, B.C.

September 8, 1980

INVOICE TO:

BEACH GOLD MINES LTD.  
706 - 675 West Hastings Street  
Vancouver, B.C.

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To: Consulting re VAM and PATCHES claims, Yukon  
2 days @ \$100.00/day \$200.00



# Arbor Resources Inc.

Suite 706 - 675 West Hastings St.  
Vancouver, B.C. V6B 1N2  
Telephone: 688-4691

August 13, 1980

INVOICE TO:

BEACH GOLD MINES LTD.  
706 - 675 West Hastings Street  
Vancouver, B.C.

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Re: Trip to Yukon Property (VAM and PATCHES claims)

Helicopter and aeroplane charter -  
Ross River - Mayo - Whitehorse

Your share rental, mileage and fuel \$608.52

608.52

9.0 BIBLIOGRAPHY


1. Boyko, N.P. and Sheldrake, R.F. (1978)  
"Helicopter Magnetic and Electromagnetic Survey, Ross River Area, Yukon Territory"-private geophysical report.
2. Tempelman-Kluit, D.J. (1972)  
Geology and origin of the Faro, Vangorda and Swim Concordant zinc-lead deposits, central Yukon Territory; Geol. Surv. Can., Bull. 208, 73p.
3. Tempelman-Kluit, D.J., Abbott, G., Gordy, S. and Read, B.C. (1975)  
Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory; Geol. Surv. Can., Paper 75-1A, p.45-58.
4. Wheeler, J.O., Green, L.H., and Roddick, J.A. (1960a)  
Finlayson Lake, Yukon Territory; Geol. Surv. Can., Map 8-1960.
5. Tempelman-Kluit, D.J., Gordey, S.P., and Read, B.C.  
Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory; Geol. Surv. Can.; Paper 76-1A
6. Montgomery, J.H. (1980)  
Report on EAGLE GROUP of mineral claims, Watson Lake Mining District, Y.T.  
-Engineering Report prepared for Arbor Resources Limited, November 15, 1980.

10.0 CERTIFICATE

I, J.H. Montgomery, of Vancouver, British Columbia hereby certify that:

1. I am a geological engineer and reside at 4153 West 11th Avenue, Vancouver, B.C.
2. I am a graduate of the University of British Columbia; B.Sc. in 1959, M.Sc. in 1960, Ph.D. in 1967.
3. I have practiced my profession since 1959.
4. I am a member of the Association of Professional Engineers of British Columbia.
5. I have no interest, direct or indirect, in Beach Gold Mines Limited or the VAM-PATCHES GROUP of mineral claims, nor do I expect to receive any such interest.
6. I have based this report on a personal visit to the property and on a study of available government publications, maps and previous Engineer's reports.
7. This report may be used by Beach Gold Mines Limited or their agents for a Prospectus, Statement of Material Facts, Shareholders' newsletters, etc., in whole or in part.

DATED at Vancouver, British Columbia, this 15th day of February, 1981.


  
*J.H. Montgomery*
  
 J.H. Montgomery, P. Eng.
   
 4153 West 11th Avenue
   
 Vancouver, B.C.