

ASSESSMENT COMPILATION REPORT

BUBBLE CLAIM

CLINTON MINING DIVISION

NTS: 92 0/8 W

Lat: 51°20'N Long: 122°27'W

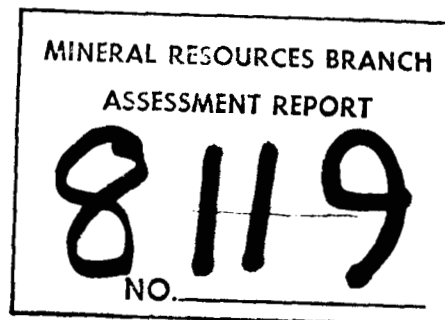
Owner/Operator:

MALABAR MINES LTD.

Consultant:

KERR, DAWSON AND ASSOCIATES LTD.

June 1, 1980



Submitted by:

ROBERT A. DICKINSON  
President, MALABAR MINES LTD.



### General Statement

During the period June 7 through June 12, 1980 Rudolph Durfeld (geologist) and Robert Dickinson (geologist) collected 172 soil and 10 silt samples from the Bubble Claim for geochemical analysis. Au, Sb, and As determinations were undertaken on all samples by Chemex Labs Ltd., North Vancouver. Ag determinations were also undertaken on all silt samples and 52 soil samples.

Kerr, Dawson and Associates Ltd. of Kamloops were presented with field data collected and contracted to compile and assess the data. Their report is addended hereto and makes up the balance of this assessment presentation.

A P P E N D I X I

REPORT

- on the -

BUBBLE CLAIM

- for -

MALABAR MINES LTD.,

#1326-510 W. Hastings Street,

VANCOUVER, B.C.

PREPARED BY:

KERR, DAWSON AND ASSOCIATES LTD.,

#1 - 219 Victoria Street,

KAMLOOPS, B.C.

John R. Kerr, P. Eng.,  
February 25, 1980.

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SUMMARY

Malabar Mines Ltd. have acquired the Bubble claim (20 units) immediately east of the Dome claims owned by Blackdome Exploration Ltd. Blackdome are currently completing an extensive programme to develop reserves of gold and silver ore in major vein systems. Published data indicate that 122,000 tons of possible ore, grading .46 oz./T Au and 4.67 oz./T Ag have been developed on the Ridge Zone.

The geology of Blackdome Mtn. is an assemblage of Eocene volcanic rocks ranging in composition from rhyolite and andesite breccias, tuffs and flows to basalt flows. It has been postulated by geologists familiar with the area, that Blackdome Mtn. was the center of Eocene vulcanism. Major vein systems consisting of well-defined quartz veins and stockworks are trending in a general north to northeast direction. It is within these vein systems that gold and silver values occur.

Although no known veins are located on the Bubble claim, rocks of the lower part of the Eocene volcanic assemblage do exist. The proximity of the

western portion of the Bubble claim to the volcanic center is similar to that of the mineralized portion of the Ridge Vein. Extensive overburden covers the Bubble claim; therefore detailed work will depend largely on geological interpretation, geochemistry and geophysics. Limited geochemical work completed on the property indicates two significant gold anomalies, with values ranging up to 740 ppm Au. An initial phase exploration programme is recommended at a cost of \$27,000.00.



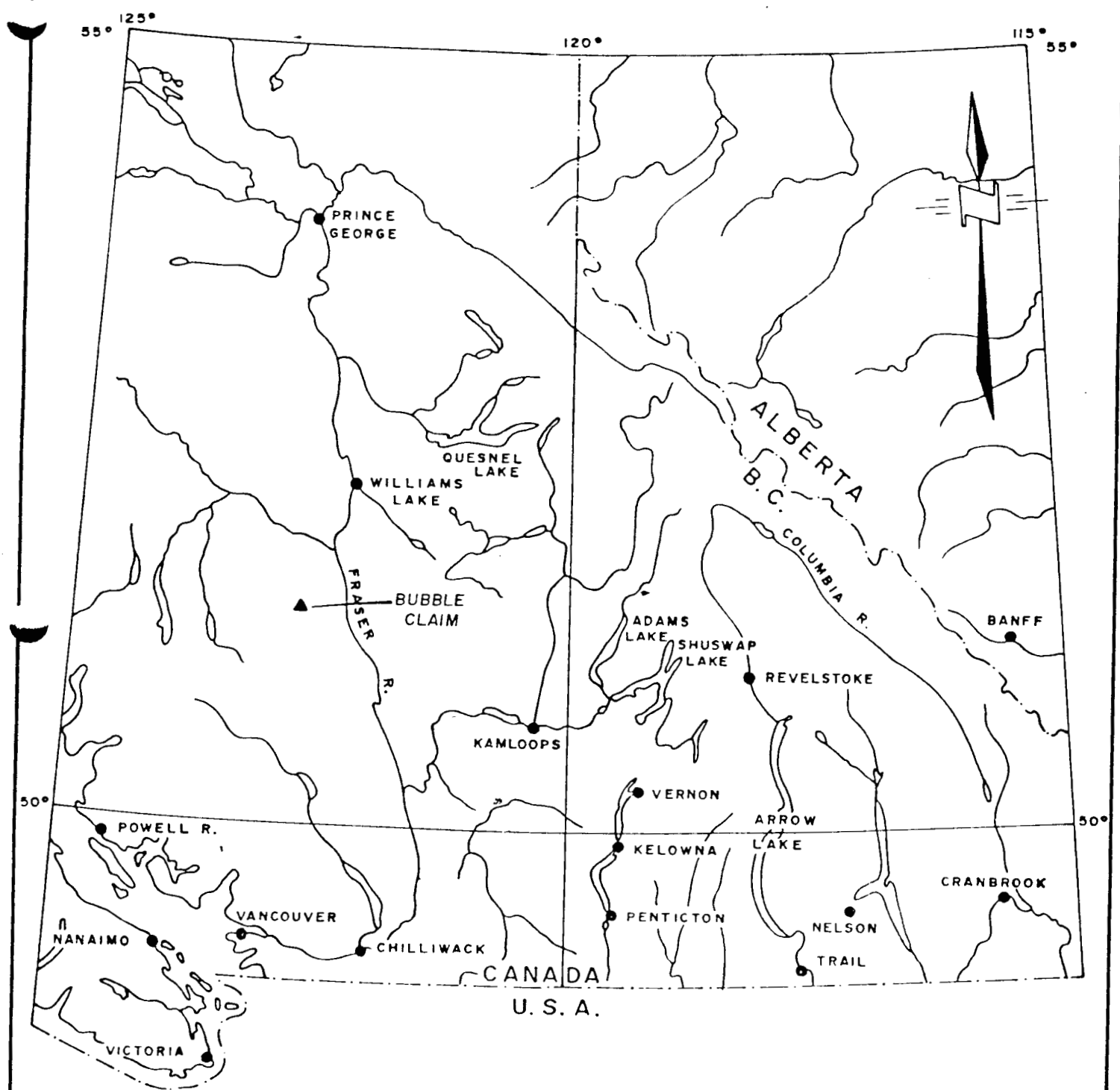
## INTRODUCTION

### General Statement:

The Blackdome Mtn. area of British Columbia is one of the several old gold-mining camps that is being rejuvenated with exploration activity from recent increases in prices of the precious metals. Blackdome Exploration Ltd. is the major operator in the camp, and holds the main ground where vein and structural systems were originally discovered and developed. Malabar Mines Ltd. acquired the Bubble claim, immediately adjoining the Blackdome holdings to the east. Mr. R. A. Dickinson, President of Malabar, requested that I prepare this report. Although I have not made a detailed examination of the subject claim, I have a working knowledge of the area, and travelled through the claim on September 10, 1979.

### Location and Access:

Blackdome Mtn. is located seventy kilometers west of Clinton, B. C. The Bubble claim is situated on the eastern slopes of Blackdome Mtn. at the headwaters of Porcupine Creek. Geographic coordinates are 51°20N and 122°27'W (NTS 92 O/8W).



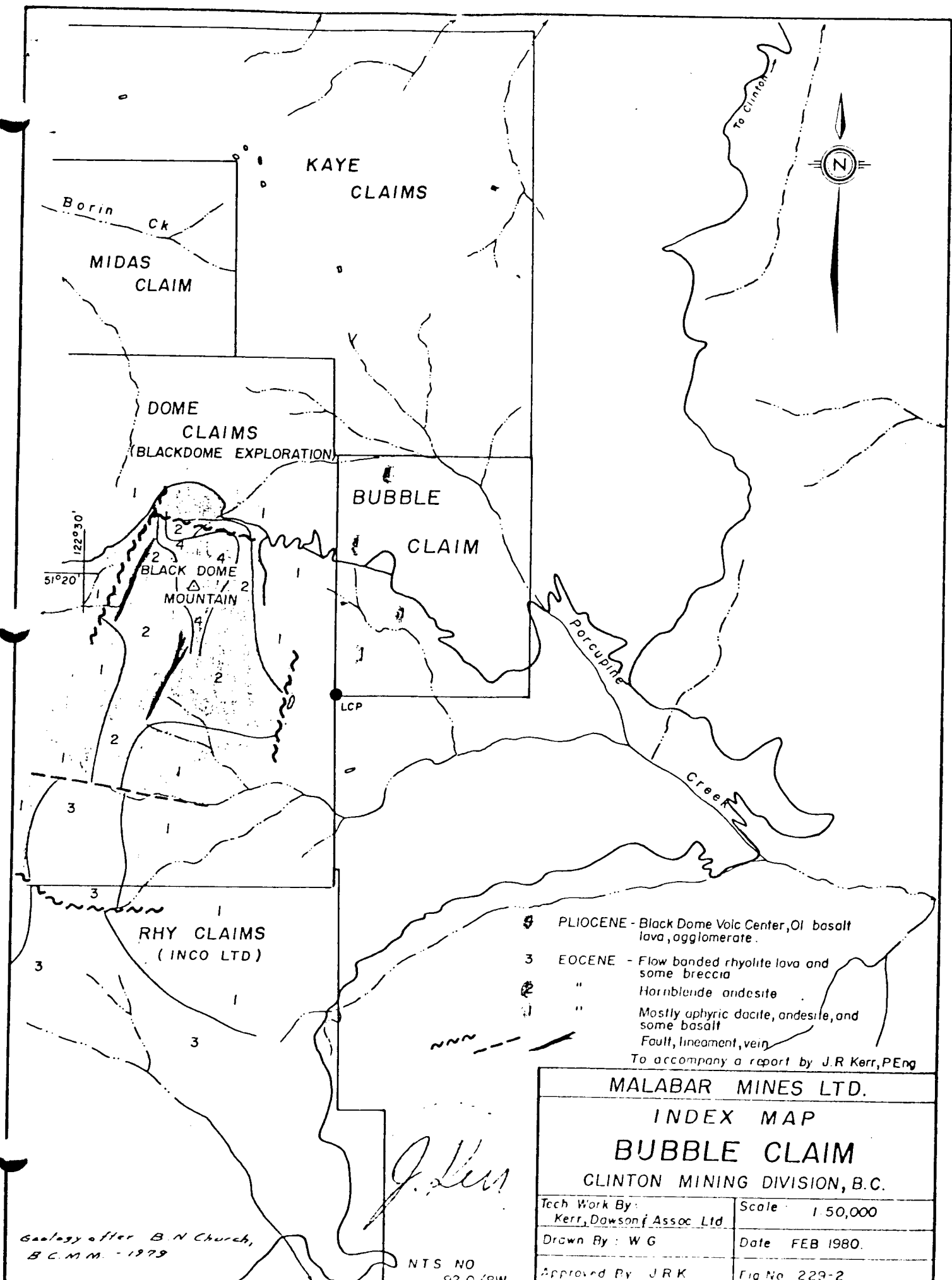
<b>MALABAR MINES LTD.</b>	
LOCATION MAP	
<b>BUBBLE CLAIM</b>	
CLINTON MINING DIVISION, B.C.	
Date: FEB 1980	Scale: 1" = 64 Miles
Dwn by: W G	Dwg no. 229-1

Access to the property is available by gravel roads leaving Highway #97, 18 km. north of Clinton. The initial 50 km. to the Empire Valley Ranch are on well-maintained all season roads. The last 30 km. to the property are not maintained, and seasonally require 4-wheel drive trucks.

Topography and Vegetation:

The claim covers the gently sloping eastern flank of Blackdome Mtn. Local precipitous cliffs are expected in the Porcupine Creek valley and tributaries. Relief on the property is in the order of 300 meters, ranging from 1,460 m (a.s.l.) in the Porcupine Creek valley, to over 1,750 m (a.s.l.) along the western property line.

Vegetation is stands of jackpine forest cover, quite thick in old burned areas. In the western portion of the property at high elevations, vegetation is subalpine.



KAYE CLAIMS

Borin Ck  
MIDAS CLAIM

DOME CLAIMS  
(BLACKDOME EXPLORATION)

BUBBLE CLAIM

BLACK DOME MOUNTAIN

RHY CLAIMS  
(INCO LTD)

4 PLIOCENE - Black Dome Volc Center, Ol basalt lava, agglomerate.

3 EOCENE - Flow banded rhyolite lava and some breccia  
Hornblende andesite

2 " Mostly aphyric dacite, andesite, and some basalt  
1 " Fault, lineament, vein

To accompany a report by J.R Kerr, PEng

MALABAR MINES LTD.

INDEX MAP

BUBBLE CLAIM

CLINTON MINING DIVISION, B.C.

Tech Work By: Kerr, Dawson & Assoc Ltd

Scale: 1:50,000

Drawn By: W G

Date: FEB 1980.

Approved By: J R K

Fig No: 229-2

Geology after B N Church, B.C.M.M. - 1979

NTS NO S2 C/BW

*J. Kerr*

Property:

The property consists of one twenty unit claim staked under the Modified Grid System.

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Min. Div.</u>	<u>Expiry Date</u>
Bubble	20	352	Clinton	June 29, 1980*

The recorded owner of the claim is Malabar Mines Ltd.

\*The assessment work on the claim has been completed; however has yet to be filed.

History:

Gold in quartz veins was discovered in the late 1940's by Mr. Laurence Frenier, who subsequently sold his claims to Empire Valley Mines Ltd. in 1952. Silver Standard Mines Ltd. staked additional claims to the south, and during the period 1953-1972 completed bulldozer trenching, pack-sack diamond drilling, and geochemistry. Empire Valley Mines drove two adits into veins immediately south of Blackdome Mtn.

In 1977, Barrier Reef Resources Ltd. staked the Dome claims to cover geochemical anomalies and possible southern extensions of the vein systems. In 1978, Blackdome Exploration Ltd. was incorporated to represent the interests of Barrier Reef, Silver Standard and Empire Valley. During 1978 and 1979, Blackdome completed detailed geological mapping, geochemistry, extensive bulldozer trenching and diamond drilling. Published data indicate ore reserves of 122,000 tons of possible ore over a minimum width of 1.5 meters, grading .46 oz./T Au and 4.67 oz./T Ag from the No. 1. vein system. An aggressive exploration and development programme is planned for 1980.

GEOLOGYRegional Geology:

The oldest rocks in the area are Lower Cretaceous volcanic rocks, possibly related to the Spences Bridge Group. These rocks outcrop 18 km. to the east of Blackdome Mtn., 12 km. to the west of Blackdome Mtn., and probably underlie the Blackdome area at depth. Mineralization at Blackdome occurs in an assemblage of felsic and andesitic flows, tuffs, and breccias, of Eocene age. This Eocene assemblage unconformably overlies the Cretaceous volcanic sequence. Recent olivine basalt flows cap many hills and fill valleys in the post-Eocene topography.

Gold and silver values at Blackdome occur in epithermal quartz filled vein systems trending in a general north by northeasterly direction and dipping steeply. The veins are 1 to 2 meters thick, being quite diffuse in the rhyolitic rocks, and sharply defined in the andesitic rocks. The veins are encompassed by a 10-15 meter wide alteration halo.

It is postulated by many who have worked in the Blackdome area, that Blackdome Mtn. is the volcanic center of all Eocene volcanic rocks in the area. B. N. Church of the B. C. Ministry of Mines has published a detailed geological map reflecting the dome nature of the volcanic assemblage (Geological Fieldwork 1979 - pgs. 52-54). The gold-silver filled fracture and fissure systems are possibly related to the proximity of this volcanic center.

Property Geology:

Detailed geological mapping of the Bubble claim has not been undertaken. Church's map indicates all rock types as dacite, andesite and basalt of the lower part of the Eocene volcanic assemblage. Vein material in outcrop has not been found on the claim to date; however overburden is quite extensive in the claim area.



GEOCHEMISTRY

Crews of Malabar Mines Ltd. collected 172 soil samples and 10 silt samples along the main Blackdome road, and from a grid using the road as a baseline. Samples were analyzed in the laboratories of Chemex Labs Ltd. for Au, Sb, As, and Ag (52 only). Lab reports are appended as Appendix B, and results of all gold values, and anomalous antimony and arsenic values are plotted on the accompanying map (Figure 226-3). All silver results are low (0.1 ppm) and are not shown.

Two significant anomalies for gold have been interpreted from these limited sample results:

- (1). L10E, 12E & 14E from 2+00N to 4+00N - apparent strike 135°, and open to the NW. Values range 400-740 ppb Au.
- (2). L2E & 4E @ 2+00S - apparent strike E-W, closed in both directions. Values range 70-160 ppb Au.

A 90 ppb Au value was obtained from a sample collected on L0 @ 1+00N (property boundary); however, does not extend into the Bubble claim.

There is very little correlation in anomalous values of gold, antimony and arsenic. Some isolated highs of both arsenic and antimony are present.

### ECONOMIC POTENTIAL

Although there are no known vein systems on the Bubble claim, extensive overburden covers much of the area. In the small gridded portion tested by geochemistry, two significant gold anomalies have been interpreted, with values ranging up to 740 ppb.

Lack of geological information prohibits interpretation of rocks belonging to the upper units of the volcanic dome, which hosts the mineralized vein systems at Blackdome. Float of silicified breccia and vein material has been found within the claim area; however, the origin of this material is unknown.

The proximity of vein systems to the volcanic center appears critical in locating mineralized vein systems. The western portion of the Bubble claim is approximately the same distance from the volcanic center as the Ridge zone on the Blackdome property.

In summary, the Bubble claim offers good potential for discovery of epithermal gold-bearing vein systems, such as found on the Blackdome property. An

exploration programme consisting of detailed geological mapping, geochemistry, VLF-EM survey, and trenching is recommended.

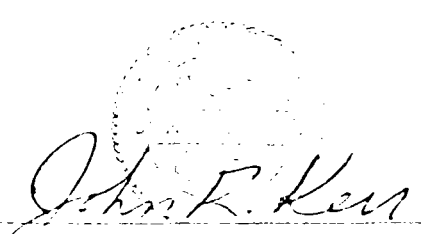
RECOMMENDATIONS

- (1). 40 km. of grid established, with grid lines oriented E-W, and stations at 25 meters intervals. In the western portion of the claim, lines are to be at 100 meter intervals, and at 200 meter intervals in the eastern portion of the claim.
- (2). Collect soil samples at 25 meter intervals along all lines in the western portion of the claim, and at 50 meter intervals along all lines in the eastern portion of the claim.
- (3). A VLF-EM survey along all grid lines, readings taken at 25 meter intervals.
- (4). Detailed geological mapping of the claim area.
- (5). Limited bulldozer trenching in anomalous zones.

Costs for the above programme are estimated to be \$27,000.00. (See Appendix A for details.)

Respectfully Submitted By:

KERR, DAWSON AND ASSOCIATES LTD.,

  
John R. Kerr, P. Eng.

APPENDIX A

COST ESTIMATES

COST ESTIMATES

Grid Establishment:

40 km. @ \$150.00/km. . . . . \$ 6,000.00

Labour:

1 Geologist  
20 days @ \$150.00/day      \$3,000.00

1 Assistant  
15 days @ \$100.00/day      1,500.00 . . . . 4,500.00

Assays and Geochem: . . . . . 6,000.00

Room, Board and Camp Costs: . . . . . 750.00

Bulldozer: . . . . . 3,000.00

Truck Rental, Miscellaneous Supplies, Travel: . . . . . 2,000.00

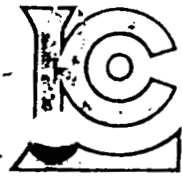
Compilation of Results: . . . . . 2,000.00

Contingencies ( ~ 12%): . . . . . 2,750.00

TOTAL . . . . . \$27,000.00

APPENDIX B

LAB REPORTS



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE 984-0221  
 AREA CODE 604  
 TELEX 043 52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Malabar Mines Ltd.  
 1326 - 510 W. Hastings St.  
 Vancouver, B.C. V6B 1L8

CERTIFICATE NO. 47804

INVOICE NO 30733

RECEIVED June 21/79

ANALYSED June 26/79

ATTN: Mr. Robert Dickinson

SAMPLE NO. :	PPM Ag	PPB Au	PPM Sb	PPM As
0	0.1	<10	1.2	17
2	0.1	20	0.1	9.0
4	0.1	10	340	17 ✓
6	0.1	<10	1.2	15
8	0.1	<10	0.1	16
10	0.1	<10	0.1	8.5
12	0.1	<10	0.1	13
14	0.1	<10	0.1	6.0
14+80	0.1	10	0.1	7.5
16	0.1	<10	0.1	8.5
17	0.1	<10	1.2	14
19	0.1	<10	0.1	6.5
20	0.1	<10	0.1	6.0
21	0.1	<10	1.0	17
22	0.1	<10	1.4	14
24	0.1	<10	0.2	7.0
26	0.1	<10	1.4	13
28	0.1	20	1.0	6.5
30	0.1	<10	0.4	6.5
32	0.1	10	3.2	8.5 ✓
34	0.1	<10	2.4	8.5
36	0.1	<10	0.1	5.0
38	0.1	<10	2.2	18
42	0.1	<10	3.0	13
44	0.1	<10	3.0	13
46	0.1	<10	0.1	8.0
48	0.1	<10	0.1	4.5
50	0.1	<10	0.1	8.5
52	0.1	<10	3.6	20
54	0.1	<10	10.0	39 ✓
56	0.1	<10	6.0	14 ✓
58	0.1	<10	2.4	8.5
60	0.1	<10	13.0	85 ✓
62	0.1	<10	0.1	4.5
64	0.1	<10	1.2	6.0
65	0.1	<10	4.2	13 ✓
66	0.1	<10	0.1	2.0
67	0.1	<10	0.1	2.0
68	0.1	<10	0.1	2.0
69	0.1	<10	0.1	1.0
70	0.1	<10	0.1	2.0

Bubble CLAIM  
ROAD SOW TRAVERSE

NOTE: Silver values below detection limit of 0.2 ppm reported as 0.1 ppm.



MEMBER  
 ANALYTICAL CHEMISTS

CERTIFIED BY:

*Howe Biddle*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE 984-0221  
 AREA CODE 604  
 TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO: Malabar Mines Ltd.  
 1326 - 510 W. Hastings St.  
 Vancouver, B.C. V6B 1L8

CERTIFICATE NO. 47805

INVOICE NO. 30738

RECEIVED June 21/79

ANALYSED June 26/79

ATTN: Mr. Robert Dickinson

SAMPLE NO.	PPM Ag	PPB Au	PPM Sb	PPM As	
67	0.1	<10	0.1	2.5	
68	0.1	<10	0.1	2.0	
69	0.1	<10	52	3.5	
70	0.1	<10	0.8	1.5	
71	0.1	<10	0.1	1.5	
72	0.1	<10	0.1	1.5	
73	0.1	<10	0.1	1.5	
74	0.1	<10	0.1	2.0	
75	0.1	<10	0.1	2.0	
76	0.1	10	0.1	3.0	
78	0.1	<10	0.1	3.0	
80	0.1	<10	0.1	3.5	
BD 1 S	0.1	<10	0.1	8.5 ✓	
2	0.1	10	0.1	9.5 ✓	
3	0.1	<10	1.6	10 ✓	
4	0.1	<10	0.2	20	
5	0.1	<10	0.1	4.0	
6	0.1	<10	5.2	16	
7	0.1	10	4.8	20	
8	0.1	10	8.6	41	
9	0.1	<10	0.1	5.0	
BD 10 S	0.1	20	0.1	7.5	
RD 1 SILT	0.1	<10	0.1	18 ✓	
2 SILT	0.1	<10	0.6	14 ✓	
3	0.1	<10	0.1	4.0 ✓	
4 SILT	0.1	<10	0.1	11 ✓	
5 SILT	0.1	<10	0.4	17 ✓	
6 DRY SILT	0.1	<10	0.1	11 ✓	
RD 8 S	0.1	<10	0.1	14	
RD 9 S	0.1	<10	0.1	2.5	OFF PROPERTY
10 S	0.1	<10	0.1	14	
RD 11 S	0.1	<10	0.1	4.0	
BD 11 S	0.1	10	0.1	14 ✓	
12 S	0.1	<10	0.1	7.5	
13 S	0.1	<10	0.1	2.5	OFF PROPERTY
BD 14 S	0.1	<10	0.1	2.5	

ROAD SOIL TRAVERSE

OFF PROPERTY.

OFF PROPERTY

OFF PROPERTY

NOTE: Silver values below detection limit of 0.2 ppm reported as 0.1 ppm.



MEMBER  
 ASSOCIATION OF ANALYTICAL CHEMISTS

CERTIFIED BY

*Hunt-Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE ~~984-0221~~ 984-0221  
 AREA CODE 604  
 TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO: Malabar Mines Ltd.  
 1170 - 210 W. Hastings St.  
 Vancouver, B.C.  
 ATTN: V6E 1L8

### BUBBLE CLAIM

CERTIFICATE NO. 51320  
 INVOICE NO. 33897  
 RECEIVED Oct. 29/79  
 ANALYSED Nov. 19/79

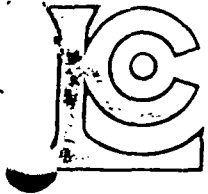
SAMPLE NO. :	PPM		PPB	
	As	Sb	Au	
OE 1N	64	1.0	90	0, 0 @ Bubble/BLACKDOME CLAIM BOUNDARY @ ROAD.
2	22	1.4	10	
3	4.0	0.2	< 10	
4	11	0.6	< 10	
OE 5N	14	1.6	< 10	BASE 0 E/W LINE TAKEN AS STATIONS MARKED BY ROAD TRAVERSE (ie) 0, 2, 4, 6 ... 22
OE 1S	11	1.0	10	
3	6.0	1.2	10	
4	3.0	0.6	10	
OE 5S	7.0	1.0	10	
2E 1N	11	1.8	< 10	
2	6.0	0.8	< 10	
3	5.0	0.8	< 10	
4	9.0	0.6	10	
2E 5N	17	2.6	< 10	
2E 1S	5.0	0.1	10	
2S(A)	2.0	0.2	< 10	
2S(B)	5.0	0.8	160	
3	11	1.4	< 10	
4	15	1.0	< 10	
2E 5S	9.0	1.4	< 10	
4E 1N	6.5	0.6	< 10	
2	7.0	0.6	10	
3	20	1.2	< 10	
4	7.0	0.1	< 10	
4E 5N	10	0.2	< 10	
4E 1S	4.5	0.2	< 10	
2	9.5	1.0	70	
3	6.0	0.4	< 10	
4	9.0	0.8	< 10	
4E 5S	32	2.2	10	
6E 1N	20	1.8	< 10	
2	8.0	0.6	10	
3	6.0	0.8	< 10	
4	12	1.4	< 10	
6E 5N	5.0	0.1	< 10	
6E 1S	10	0.2	< 10	
2	17	1.2	< 10	
3	7.0	0.8	< 10	
4	22	1.4	< 10	
6E 5S	12	1.2	< 10	
	< 20	< 3		



MEMBER  
 ASSOCIATION OF ANALYTICAL CHEMISTS

CERTIFIED BY:

*J.F. [Signature]*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE ~~604-291-1111~~ 984-0221  
 AREA CODE 604  
 TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO: Malabar Mines Ltd.  
 1326 - 510 W. Hastings St.  
 Vancouver, B.C.  
 V6B 1L8

CERTIFICATE NO. 51321  
 INVOICE NO. 33897  
 RECEIVED Oct. 29/79  
 ANALYSED Nov. 19/79

ATTN:

SAMPLE NO. :	PPM	PPM	PPB
	As	Sb	Au
8E 1N	12	0.6	< 10
2	9.5	0.8	< 10
3	12	0.8	< 10
4	4.0	0.1	< 10
8E 5N	6.5	0.1	< 10
8E 1S	9.5	1.0	< 10
2	11	1.0	< 10
3	16	1.4	< 10
4	7.0	0.8	< 10
8E 5S	4.0	0.4	< 10
10E 1N	10	1.8	< 10
2	6.0	0.6	< 10
3	4.0	0.4	< 10
4	1.0	3.2	< 10
10E 5N	6.0	0.8	740
10E 1S	13	2.2	< 10
2	9.5	1.4	10
3	8.0	1.6	< 10
4	7.0	1.4	10
10E 5S	9.0	0.8	30
12E 1N	2.0	0.4	< 10
2	1.0	0.2	10
3	9.5	0.2	400
4	8.0	0.8	< 10
12E 5N	9.0	1.2	< 10
12E 1S	5.0	0.8	< 10
2	6.0	1.4	10
3	7.0	1.0	20
4	9.5	1.0	< 10
12E 5S	5.0	1.4	< 10
14E 1N	3.0	0.6	< 10
2	15	1.0	700
3	9.5	1.4	< 10
4	14	1.0	< 10
14E 5N	8.0	0.8	< 10
14E 1S	5.0	1.4	< 10
2	7.0	1.0	< 10
3	4.0	1.2	< 10
4	2.0	0.6	< 10
14E 5S	2.0	1.0	< 10



MEMBER  
 CANADIAN TESTING ASSOCIATION

CERTIFIED BY:

*D. F. McDonald*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE ~~604-525-97~~ 984-0221  
 AREA CODE 604  
 TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO: Malabar Mines Ltd.  
 1326 - 510 W. Hastings St.  
 Vancouver, B.C.  
 V6E 1L8

CERTIFICATE NO. 51322  
 INVOICE NO. 33897  
 RECEIVED Oct. 29/79  
 ANALYSED Nov. 19/79

ATTN:

SAMPLE NO. :	PPM	PPM	PPB
	As	Sb	Au
16E 1N	5.5	0.6	10
2	16	1.0	< 10
3	11	2.0	< 10
4	7.0	2.4	< 10
16E 5N	2.0	0.6	< 10
16E 1S	9.5	2.2	< 10
2	9.0	2.2	< 10
3	9.0	2.8	< 10
4	4.5	1.8	< 10
16E 5S	5.0	1.8	< 10
18E 0N	5.0	1.6	< 10
2	5.0	1.0	< 10
3	10	0.8	< 10
4	12	1.4	< 10
18E 5N	6.0	1.0	< 10
18E 1S	6.0	2.4	< 10
2	12	2.4	< 10
3	✓ 6.0	3.4	< 10
4	4.5	2.4	< 10
18E 5S	5.0	2.4	< 10
20E 1N	6.0	1.2	20
2	4.5	0.6	< 10
3	5.0	0.6	< 10
4	11	1.2	< 10
20E 5N	5.5	0.4	< 10
20E 1S	9.0	1.2	< 10
2	9.5	1.2	< 10
3	6.0	1.4	< 10
4	13	4.4	< 10
20E 5S	7.0	3.6	< 10
22E 1N	5.5	1.2	< 10
2	11	2.0	< 10
3	10	1.2	< 10
4	10	1.0	< 10
22E 5N	15	1.6	10
22E 1S	11	1.6	< 10
2	3.0	1.0	10
3	11	2.0	< 10
4	✓ 11	4.0	< 10
22E 5S	1.0	1.0	< 10



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *S.P. McDonald*

APPENDIX C

WRITER'S CERTIFICATE

JOHN R. KERR, P.ENG.  
GEOLOGICAL ENGINEER

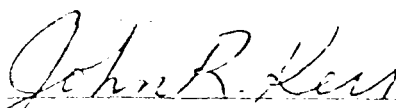
1 - 219 VICTORIA STREET  
KAMLOOPS, B.C.

PHONE (604) 374-0544

CERTIFICATE

I, JOHN R. KERR, OF THE CITY OF KAMLOOPS, BRITISH COLUMBIA, DO  
HEREBY CERTIFY THAT:

- (1). I am a member of the Association of Professional Engineers of British Columbia, and a fellow of the Geological Association of Canada.
- (2). I am employed by Kerr, Dawson and Associates Ltd. with my office at #1 - 219 Victoria Street, Kamloops, B. C.
- (3). I have practised continuously as a geologist since graduation from the University of British Columbia in 1964 with a B. A. Sc. in Geological Engineering.
- (4). I do not hold any interest directly or indirectly to title of the Bubble claim (as referred to in the text of this report), or in the securities of Malabar Mines Ltd.
- (5). This report is based on an exhaustive study of all available data, published and unpublished reports, and my brief examination of the area on September 10, 1979.
- (6). Permission is hereby granted to Malabar Mines Ltd. to use this report for financing purposes, and to satisfy the requirements of the Securities Commission, the Stock Exchange and the B. C. Ministry of Mines.

  
-----  
John R. Kerr, P. Eng.,  
GEOLOGIST

Kamloops, B. C.,

February 25, 1980.

A P P E N D I X II

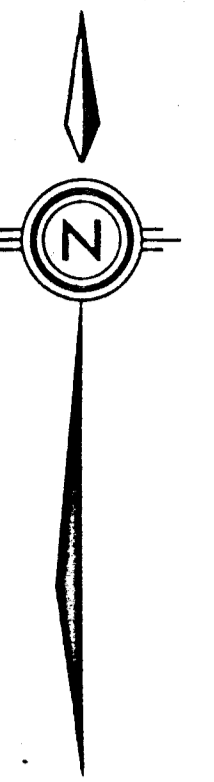
COST STATEMENT

Sample collection (10 man days)	\$1,000.00
R. Dickinson (geologist) - \$500.00 (June 7-12)	
R. Durfeld (geologist) - \$500.00 (June 7-12)	
 Vehicle Rental 5 days @ \$40/day	 200.00
 Sample analysis and preparation	 546.00
172 soils - \$3/sample - \$516	
10 silts - \$3/sample - \$ 30	
 Data Compilation and Evaluation	 600.00
Kerr, Dawson & Associates	
 TOTAL COST	 <u>\$2,346.00</u>

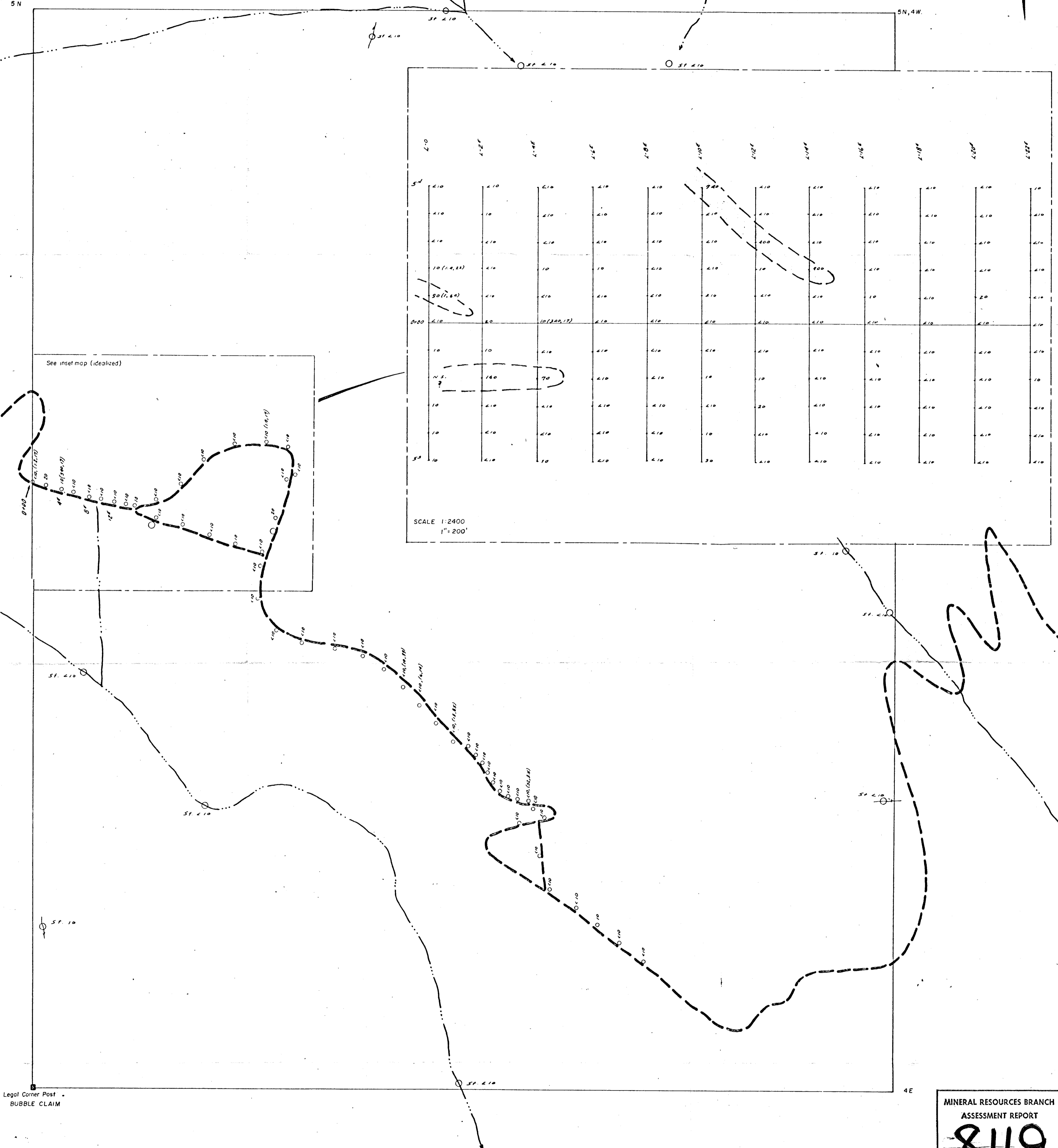
I Robert Dickinson certify this cost statement to be true.

ROBERT A. DICKINSON, Geologist





BLACKDOME EXPLORATION CLAIMS



See inset map (idealized)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
54	210	210	210	210	210	210	210	210	210	210	210	210	210	210
410	10	210	210	210	210	210	210	210	210	210	210	210	210	210
210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
10 (1.4, 22)	210	10	210	210	210	210	210	210	210	210	210	210	210	210
20 (1.4, 20)	210	210	210	210	210	210	210	210	210	210	210	210	210	210
0-20	210	20	10 (2.0, 17)	210	210	210	210	210	210	210	210	210	210	210
10	10	210	210	210	210	210	210	210	210	210	210	210	210	210
210	140	70	210	210	210	210	210	210	210	210	210	210	210	210
10	210	210	210	210	210	210	210	210	210	210	210	210	210	210
10	210	210	210	210	210	210	210	210	210	210	210	210	210	210
54	210	210	210	210	210	210	210	210	210	210	210	210	210	210

SCALE 1:2400  
1" = 200'

**LEGEND**

- Soil sample site (st. - all sample)
- Soil assay values Au (ppb), Antimony (ppm), Arsenic (ppm).
- x - 50 ppb : Rock geochem Au (ppb)
- ⊙ - 03 oz/ton : Rock sample assay Au
- - Geochemical Anomaly - Gold > 30000 Au

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8119**  
NO.



To accompany a report by J.R. Kerr, P. Eng.

**MALABAR MINES LTD.**

**GEOCHEMICAL PLAN  
BUBBLE CLAIM**

CLINTON MINING DIVISION, B.C.

TECH WORK BY: KERR, DAWSON AND ASSOCIATES LTD.	SCALE: 1:5,000
DRAWN BY: W.G.	DATE: FEB. 1980
APP'D BY: J.R. KERR, P. ENG.	FIG NO. 229-3