82-204-10263

GEOLOGY AND GEOCHEMISTRY OF THE

JAMBOREE PROPERTY
JAMOBREE #1-7, LONGHAIR #1-8
YUKON JACK #1-8 MINERAL CLAIMS
CARIBOO MINING DIVISION
NTS 92A/7W
LATITUDE 52°19'N LONGITUDE 120°52'W
DATES OF WORK: May 27, 1981 - March 25/82

BY Gordon G. Richards, P.Eng.
W. A. Howell, B.Sc.

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SUBMITTED March 25, 1982

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LIST OF ILLUSTRATIONS

INTRODUCTION

The Jamboree #1-6, Longhair #1-8, and Yukon Jack #1-8 mineral claims were located following the release of geochemical data by the Provincial Government on May 26, 1981.

The data indicated a large area to be anomalous for arsenic. While no gold results were included in the released data, the claims were staked in the hope that the arsenic anomalies might be coincident with a gold system.

Following the staking, reconnaissance soil and silt samples were collected and analyzed for Au and As. Results indicated the existence of a coincident gold-arsenic anomaly trending northwest. Gold results were particularly encouraging as soils ranged up to 1090 ppb Au within concise anomalous patterns. Subsequent soil and silt sampling was undertaken during August to limit the size and extent of the anomaly. This work indicated the northwest trending anomaly was much longer than previously suspected and re-emphasized the strong gold geochemical response within the anomaly. One soil near Doreen Creek ran 3670 ppb Au.

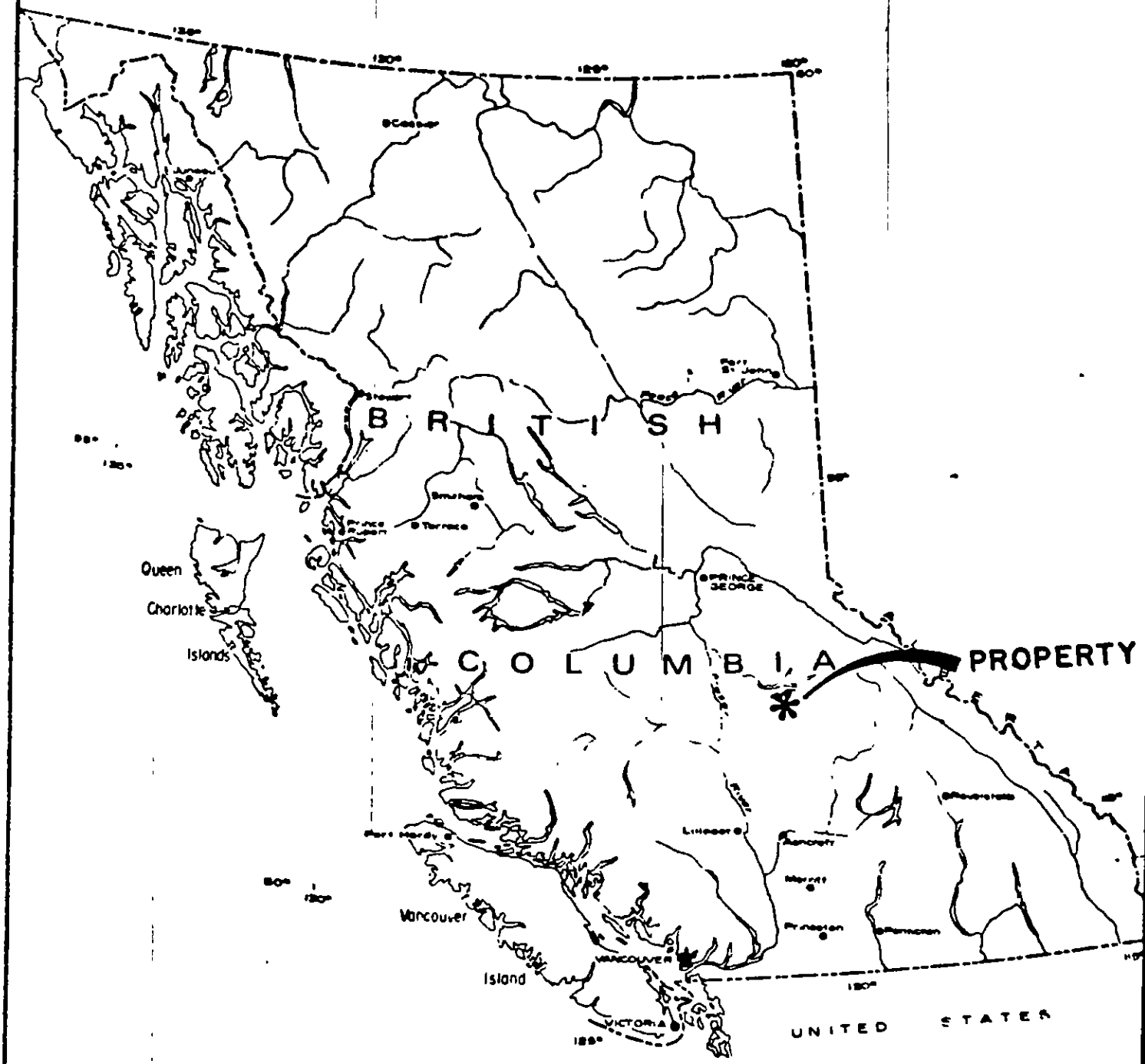
The Jamboree #7-#17 were staked in late October to cover the geochemical extensions. Additional sampling was done following this staking to limit the southwest extent of the anomaly. A total of 394 soil, 66 silt and 14 rock chip samples were collected.

LOCATION AND ACCESS

The claims lies south of Horsefly Lake near the confluence of McKusky Creek and Horsefly River 85 km east of Williams Lake. The property is accessible by good logging roads to several points throughout the claim area. Logging is active and will probably improve the already excellent access.

TOPOGRAPHY AND VEGETATION

Elevations on the property range from 3000 '(915 m) along Horsefly River and McKusky Creek to 5855' (1785m) at the northwest end of the property. Smaller hills rise to 5600' (1710 m) in the centre of the claims and 4270' (1300 m) in the southeast end of the property. Much of the lower slopes have been logged. South of Horsefly River, logging is recent with easily traversable slash. Elsewhere, mature spruce-cedar forests have sparse underbrush although several hillsides have old burns that are difficult to traverse.



JAMBOREE

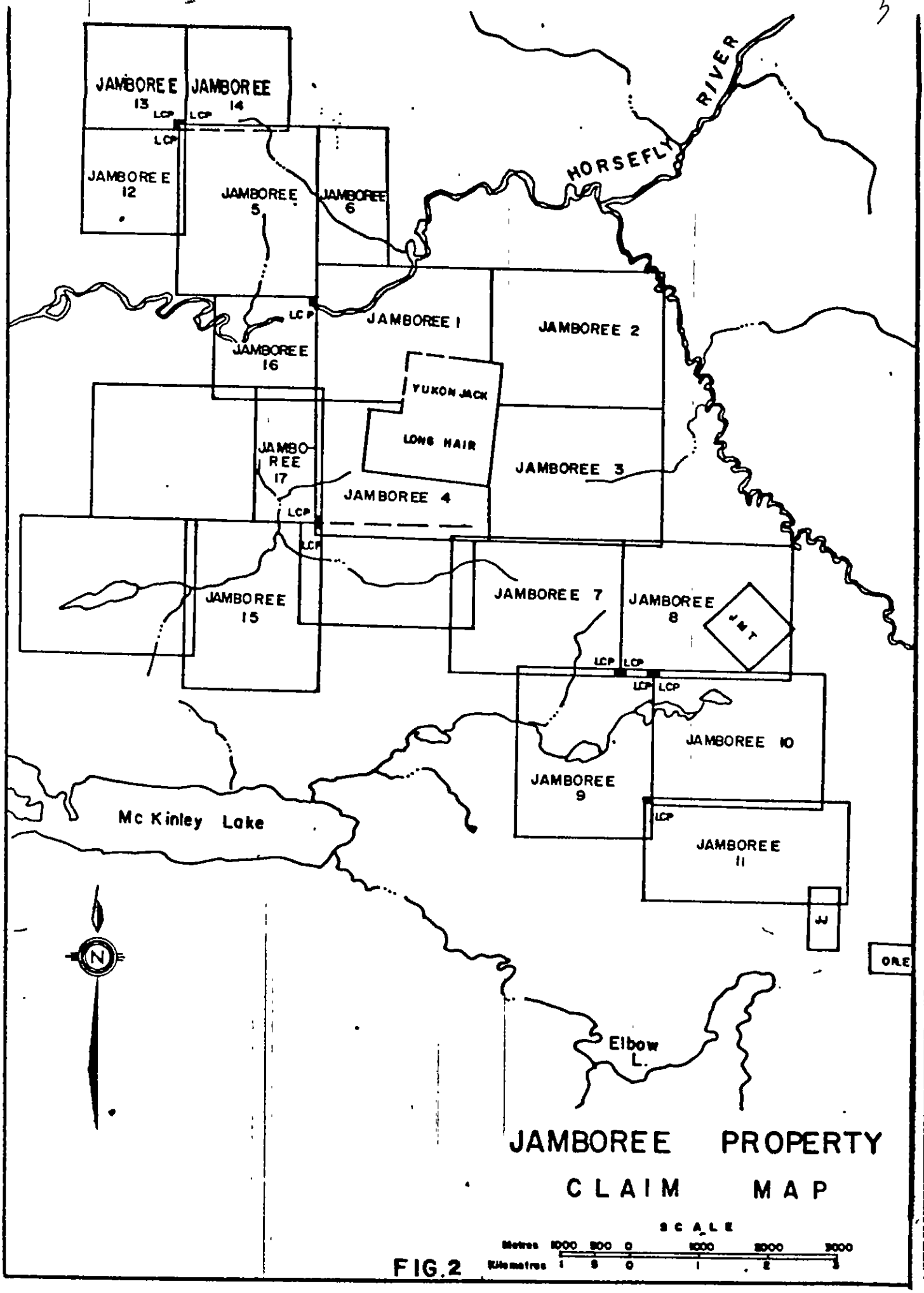
PROPERTY LOCATION MAP

SCALE

Mile 1136 0 136 Mile

Prepared by Drawn by	Date Revised	NTS MAP AREA	DRAWING No.

FIG. 1



JAMBOREE PROPERTY
CLAIM MAP

FIG.2

MINERAL CLAIMS

CLAIM NAME	UNITS	RECORD #	RECORD DATE	OWNER
JAMBOREE #1	20	3783 (6)	June 24/81	G. G. Richards
#2	20	3784 (6)	"	"
#3	20	3785 (6)	"	"
#4	20	3786 (6)	"	"
#5	20	3787 (6)	"	"
#6	8	3788 (6)	"	"
#7	20	4176 (11)	Nov. 26/81	"
#8	20	4177 (11)	"	"
#9	20	4178 (11)	"	"
#10	20	4185 (11)	"	"
#11	18	4179 (11)	"	"
#12	9	4180 (11)	"	"
#13	9	4181 (11)	"	"
#14	9	4186 (11)	"	"
#15	20	4182 (11)	"	"
#16	9	4183 (11)	"	"
#17	8	4184 (11)	"	"
2-POST CLAIMS				
LONGHAIR #1-8	8	3767-74 (6)	June 24/81	"
YUKON JACK #1-8	8	3775-82 (6)	"	"
TOTAL	258 units			

GEOLOGY

Phyllitic argillaceous sediments, some conglomerate and sandstone form outcrops in creeks and roadcuts. Quartz veins lying within and also crosscutting schistosity were noted within the gold-arsenic anomalous zone in the creek near R701. Sulphide forms up to 3% of rock volume within this anomalous zone.

A colour anomaly coincident with the greater than 30 ppm As zone in the northwest portion of the claims is due to ankeritic carbonate alteration and low sulphide (1%) mineralization with local mariposite and silicification. Float near the offset lake anomalous samples contained a noticeable fraction of subangular quartz-carbonate-sulphide float. Several two-post mineral claims at the south end of the claim block cover a gold bearing quartz vein that has been prospected intermittently over the past 50 years.

A strong northwest trending mineralized structure is suggested on the basis of anomalous geochem patterns, topography, the colour anomaly described above, and a known gold prospect. Other anomalous

geochem west of the above structure is probably related to other structures. Geological data is sparse at this time and, for convenience, is depicted on the Geochemical Plan, Figs 3,4, & 5.

GEOCHEMISTRY

Widespread geochem lines have been completed on part of the property in order to define areas requiring detailed mapping and sampling. Sampling was completed by geologists and experienced geo-technicians.

Soil samples were collected from pits 15-25 cm deep dug with the aid of a hand pick. About 300 grams of "B" horizon soil or the best approximation available was collected from each pit using a stainless steel spoon or scoop and transferred to a gussetted kraft paper sample bag which was appropriately identified.

Silt samples were collected where available, on streams or drainages traversed or crossed by traverse lines. 300 - 500 grams of active silt was collected using a stainless steel spoon or scoop and transferred to an appropriately marked gussetted kraft sample bag. Where sediments were of a coarse nature, a correspondingly larger sample was collected so as to ensure an adequate supply of fine material for analysis.

Rock chip samples were usually 300 to 500 grams in size and typically consisted of several (three to five or more) rock chips from an outcrop. Where systematic outcrop sampling has been done the weight and number of chips is often larger over specific intervals.

Silts and soils were dried and seived and the -80 mesh fraction, or a portion of it, retained for analysis.

Rock chip samples were crushed and pulverized with a portion of the -100 mesh product retained for analysis.

Arsenic determinations were made using perchloric-nitric acid digestion followed by a standard atomic absorption hydride finish.

Gold determinations were made using a fire assay preconcentration followed by neutron activation analysis.

Arsenic and gold values obtained from 474 soil and silt samples and a few rock chips are shown on Figs. 3, 4, 5. There is a good correlation with highly anomalous geochemical values and the infered structural

mineralized zone associated with rusty soils.

Although incomplete, this survey has outlined a large anomalous arsenic pattern with several contained zones of highly anomalous gold.

DISCUSSION OF RESULTS

The surveys are as yet incomplete and much of the property remains to be evaluated geochemically and geologically. The work to date has been successful in indicating a strong northwest trending anomaly giving rise to gold in soils as high as 3670 ppb within concise anomalous pattern. Arsenic appears to have a spatial relationship to the gold as would be expected.

CONCLUSIONS AND RECOMMENDATIONS

Strongly anomalous arsenic-gold geochem patterns are developed over quartz-carbonate-sulphide altered metasediments. Total length of the geochem patterns might be 15km. Some of the known anomalies project onto open ground.

The following 2-phase programme is recommended.

PHASE I

a) Stake more claims
b) Complete reconnaissance style geochem lines in order to outline areas for detailed surveys
c) Do detailed mapping and sampling in areas of anomalous gold-arsenic geochem to find drill targets

PHASE II

Percussion drill on basis of (c) above

Respectfully submitted

G. G. Richards, P.Eng.

W. A. Howell, B.Sc.

STATEMENT OF COSTS
JAMBOREE PROPERTY

TIME			
J.S. Christie	Aug 9, 10	2 days @ $300	$ 600.00
G.G.Richards	Dec 22,23	2 days @ $300	600.00
	June 3,4	2 days @ $300	600.00
	Oct 21,22,23,26(½),27	4½ days @ $300	1,350.00
W.A.Howell	Oct. 27	1 day @ $200	200.00
P. Stuart	June 3,4,	2 days @ $100	200.00
S. Courte	Oct 27,June 3,4	3 days @ $125	375.00
M. Hageomoen	Aug 9,10,11(½)	2½ days @ $100	250.00
A. Muir	Aug 9,10,11(½),12(½)	3 days @ $110	330.00
J. Mustard	Aug 9,10,11(½),18(½), June 2	4 days @ $100	400.00
D. Bennett	June 2	1 day @ $100	100.00
Domicile		18½ mandays @ $45.00	832.50
J. S. Christie, expenses			-268.90
W. A. Howell, expenses			108.51
G. G. Richards, expenses			390.07
Chemex Labs	#11249		266.20
	#11248		2,930.07
	#3005		2,897.40
	#5048		108.90
	#5047		987.03
	#5049		21.12
Ministry of Finance	#C8686		
	C8688		83.95
Vancal Reproductions	#20508		55.75
Western Repro	#66542		42.42
Hudson Building Supplies	#32279		439.33
B.D.C.	#520079		6.47
Q.C.Helicopters	#3584		1,894.20
	#3586 (pro rata)		623.70
P.W.A. freight	#6495F " "		29.72
	#5883F " "		47.65
	#6484F " "		11.57
	#6566F " "		13.45
	#950676 " "		83.42
Truck Rental	June 2 - 4	3 days @ $50/day	150.00
	Aug 9-11	3 days @ $50/day	150.00
	Oct 27	1 day @ $50/day	50.00
Mob & Demob (pro rata)			390.00
Report			1,500.00
			$19,387.34

$3,590.34 to apply to JAMBOREE #5
$8,097.00 to apply to JAMBOREE BLUE GROUP
#7,700.00 to apply to JAMBOREE RED GROUP

STATEMENT OF QUALIFICATIONS

I. Gordon G. Richards, of Vancouver, British Columbia, do hereby certify that,

1. I am a Professional Engineer of the Province of British Columbia, residing at 6195 Lynas Lane, Richmond, B.C., V7C 3K8.

2. I am a graduate of the University of British Columbia, B.A.Sc., 1968, M.A.Sc.m 1974.

3. I have practised my profession as a mining exploration geologist, continuously since 1968..

4. This report is based on my personal knowledge of the district, and mapping of the geology at the property.

Gordon G. Richards, P.Eng.

STATEMENT OF QUALIFICATIONS

I, WILLIAM A. HOWELL, do hereby certify that:

1. I am a professional geologist working in British Columbia and residing at 10611 Ainsworth Crescent, Richmond, B.C. V7A 3V5

2. I am a graduate of the University of British Columbia, Bachelor of Science (Geology) 1971.

3. I have been employed in the mineral exploration industry since 1967 and have practiced my profession as a geologist since 1971.

4. I am a member of the Geological Association of Canada.

5. This report is based on my personal knowledge of the district and the mapping and sampling done on the property.

W. A. Howell, B.Sc.

JAMBOREE 15

JAMBOREE 7

JAMBOREE 8

JAMBOREE 9

JAMBOREE 10

JAMBOREE 11

JMT 1

JMT 2

JMT 3

DOREEN LAKE

DOREEN CREEK

McKINLEY LAKE

McKINLEY CREEK

OFFSET LAKE

ELBOW LAKE

PHYLLITE

RUSTY BLACK SHALE

10 PPb Au

20 PPM As

CLAIM OUTLINE

10,263

10 PPb Au

40 PPb Au

20 PPM As

O SOIL SAMPLE

□ SILT SAMPLE

△ ROCK CHIP SAMPLE

AM1215 O 6/-1
SAMPLE No O ARSENIC/GOLD
-1 MINUS NO'S REPRESENT LESS THAN

MAP SCALE

200 0 200 400 600 M

833 0 833 1666 Ft

NTS 93A/7

REVISIONS	No	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
4, 1, 82	J.v.V.		

E & B Explorations Inc.

OFFICE	DEPARTMENT

QUESNEL REGIONAL PROJECT
JAMBOREE PROPERTY
GEOCHEMICAL PLAN
ARSENIC IN PPM. / GOLD IN PPB.

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:10,000	2

FIG. 4

VANCAL-0748

JAMBOREE 13

JAMBOREE 14

JAMBOREE 12

JAMBOREE 5

JAMBOREE 6

JAMBOREE 16

JAMBOREE 17

JAMBOREE 1

JAMBOREE 2

JAMBOREE 3

JAMBOREE 4

JAMBOREE 7

JAMBOREE 8

YUKON JACK 6

YUKON JACK 4

YUKON JACK 2

YUKON JACK 5

YUKON JACK 3

YUKON JACK 1

LONG HAIR 8

LONG HAIR 7

LONG HAIR 6

LONG HAIR 5

LONG HAIR 4

LONG HAIR 3

LONG HAIR 2

LONG HAIR 1

SAWLEY CREEK

RIVER

DOREEN CREEK

HORSEFLY

McKINLEY CREEK

JACOBSONS BROTHERS LOGGING CAMP

CABINS

SPRING

CLAIM OUTLINE

LCP

20 PPM As

40 PPb Au

10 PPb Au

Rhyolite 2%SG

10263

10 PPb Au
40 PPb Au
20 PPM As

SOIL SAMPLE
SILT SAMPLE
ROCK CHIP SAMPLE

AM 1215 O 6/-1
SAMPLE No. O ARSENIC / GOLD
-1 MINUS NO'S REPRESENT LESS THAN.

MAP SCALE
200 0 200 400 600 M.
833 0 833 1666 Ft.

NTS 93A/7

REVISIONS	No	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
4, 1, 82	J.v.V.		

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QUESNEL REGIONAL PROJECT
JAMBOREE PROPERTY
GEOCHEMICAL PLAN
ARSENIC IN PPM. / GOLD IN PPB.

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 10,000	3

FIG. 5

JMT 2
JMT 4
JAMBOREE 8
JAMBOREE 10
JAMBOREE 11
CLAIM OUTLINE
J 2002 Q 4/2
JJ 4
JJ 5
McKEE LAKE
ORE 1
ORE 2
CROOKED LAKE
Crooked lake resort
BASSETT CREEK
CHL. SCHIST
OLD TRENCH ON QUARTZ VEIN
20 PPM As
3500
4000
4500
3000

10 PPb Au
40 PPb Au
20 PPM As

SOIL SAMPLE
SILT SAMPLE
ROCK CHIP SAMPLE

AM1215 O 6/-1
SAMPLE No O ARSENIC / GOLD
-1 - MINUS NO'S REPRESENT LESS THAN

MAP SCALE
200 0 200 400 600 M.
833 0 833 1666 Ft.
NTS 93A/7

No	Date	MADE BY	DESCRIPTION
REVISIONS 1			
2			
3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
4, 1, 82	J.V.V.		

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OFFICE	DEPARTMENT

QUESNEL REGIONAL PROJECT
JAMBOREE PROPERTY
GEOCHEMICAL PLAN
ARSENIC IN P.P.M. / GOLD IN P.P.B.

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:10,000	1

FIG. 3

10,263

VANCAL - 2148