

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 92.03.13

ASSESSMENT REPORT 21464

MINING DIVISION: Greenwood

PROPERTY: Big Bug

LOCATION: LAT 49 06 18 LONG 119 11 06  
UTM 11 5441208 340520  
NTS 082E03E

CAMP: 009 Similkameen - Boundary Area

CLAIM(S): Big Bug

OPERATOR(S): Hallauer, W.

AUTHOR(S): Haynes, L.R.

REPORT YEAR: 1991, 18 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Carboniferous-Permian, Anarchist Group, Greenstone, Quartz vein  
WORK

DONE: Prospecting

PROS 14.0 ha

LOG NO:	DEC 04 1991	RD.
ACTION:	<i>[Handwritten scribbles]</i>	
FILE NO:		

LOG NO:	0678	RD.
ACTION:		
FILE NO:		

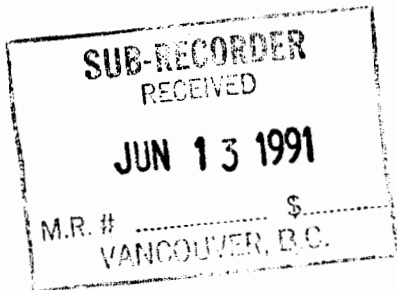
BIG BUG CLAIM

Geology  
Greenwood Mining Division  
N.T.S. 82-E-3/E

June 1991

L. Haynes

<u>Claim</u>	<u>Record No.</u>	<u>Anniversary Date</u>
Big Bug	5678	March 15, 1991



Location: 49° 06.3', 119° 11.1'  
 Owner: Wilbur G. Hallauer  
 Operator: Wilbur G. Hallauer  
 Work Performed: June 15, 1990 to March 12, 1991.

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

21,464

## BIG BUG CLAIM

Geology  
Greenwood Mining Division  
N.T.S. 82-E-3/E

### SUMMARY

The Big Bug claim covers a gold prospect located in the historic Camp McKinney gold camp, approximately eight kilometres NNW of Bridesville, B.C.

The Big Bug Claim lies in an area of poor outcrop and is underlain by Carboniferous or Permian Anarchist Group greenstone and schist. A narrow east-west striking, vertical to steep south dipping vein cuts the greenstone.

A sample of vein material taken from the dump of a shaft driven on the vein did not return significant gold values. A program of backhoe trenching and sampling of the vein is recommended.

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## BIG BUG CLAIM

Geology  
Greenwood Mining Division  
N.T.S. 82-E-3/E

### 1. INTRODUCTION

The Big Bug Claim covers a gold prospect located approximately eight kilometres NNW of Bridesville, B.C. One day (June 24, 1990) was spent examining the claim.

Results of the examination are discussed in the following report.

#### 1.1 Location and Access

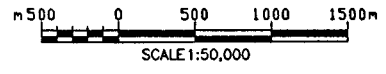
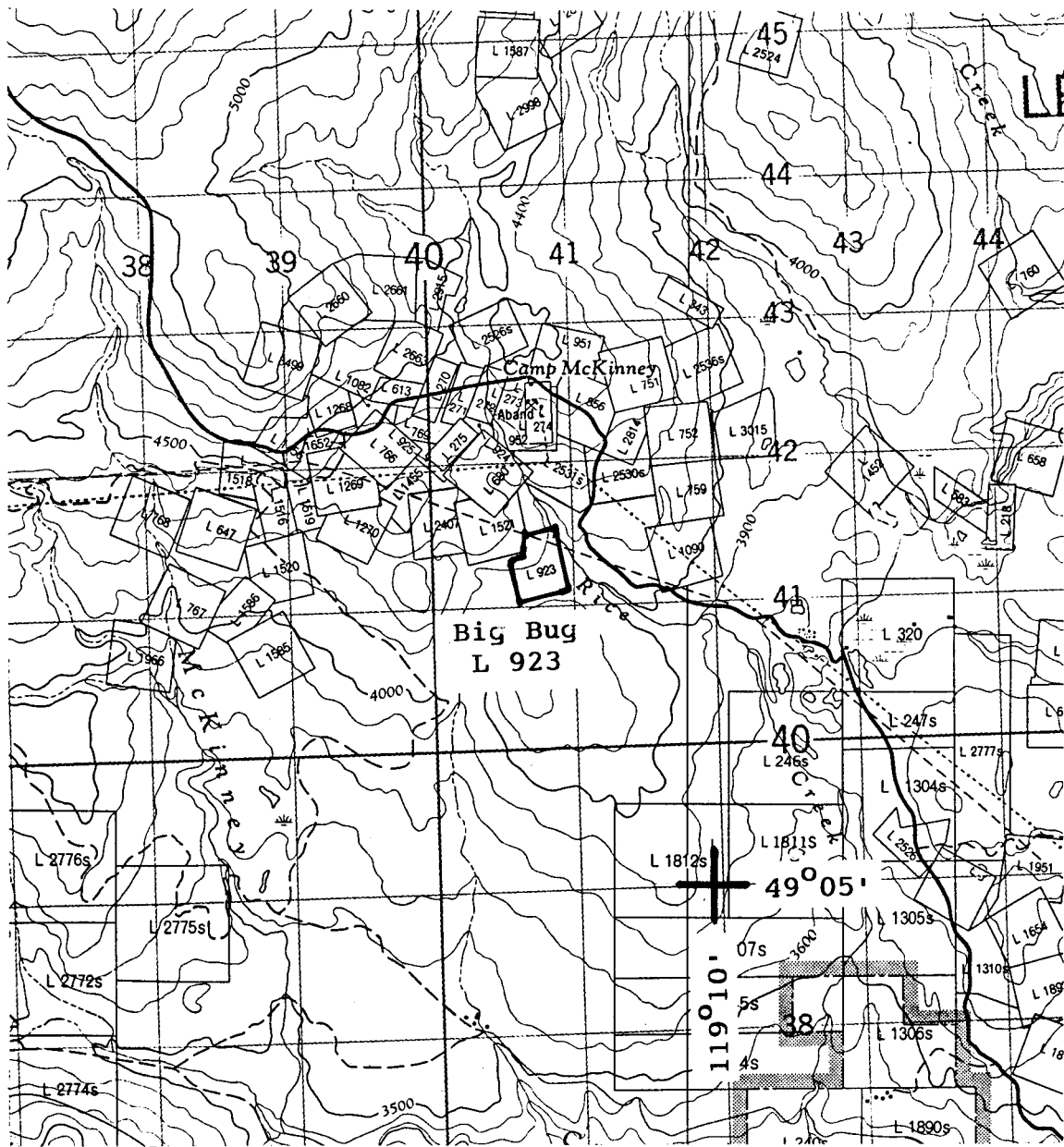
The Big Bug Claim is located in the Greenwood Mining Division, B.C., approximately eight kilometres NNW of Bridesville, B.C. Figure 1 shows the location of the property.

A natural gas pipeline crosses the northeast corner of the Big Bug Claim. Access to the claim is gained along the gas pipeline right of way, 500 northwest of its intersection with the Mount Baldy Ski Hill road. The natural gas pipeline intersects the Mount Baldy Ski Hill road approximately ten kilometres north of Trans-provincial Highway 3.

#### 1.2 Topography

The Big Bug Claim encompasses approximately 14.42 hectares (35.71 acres) of gentle relief along a south dipping slope. Elevation changes very little with an average elevation of 1250m (4100') and variations of 20 metres.

The claim is lightly forested with pine trees.



Big Bug Claim

LOCATION MAP

June 1990

Figure 1

### 1.3 Property and Claim Status

B.C. Minister of Mines Annual Reports show that the Big Bug Claim was crown granted as Lot 923 on March 11, 1901. Mr. W.G. Hallauer successfully bid on the Big Bug claim as a crown granted 2 post claim (Record No. 5678) on March 15, 1990. Acceptance of work filed with this report work will maintain the crown granted 2 post claim until March 15, 1995. Figure 2 shows the location of the claim.

### 1.4 History and Previous Work

The Big Bug Claim is on the southern edge of the historic Camp McKinney gold camp. The most important gold producer in the camp was the Cariboo-Amelia mine, one kilometre north of the Big Bug Claim. Schroeter (1989) reports that the Cariboo-Amelia mine produced 81,603 ounces during the period from 1894 to 1962. Most of the gold production came between 1894 and 1903.

References in the B.C. Minister of Mines Reports note that on the Big Bug claim a 9.1 metre (30 foot) shaft was sunk on a small vein running east and west.

### 1.5 Work in 1990

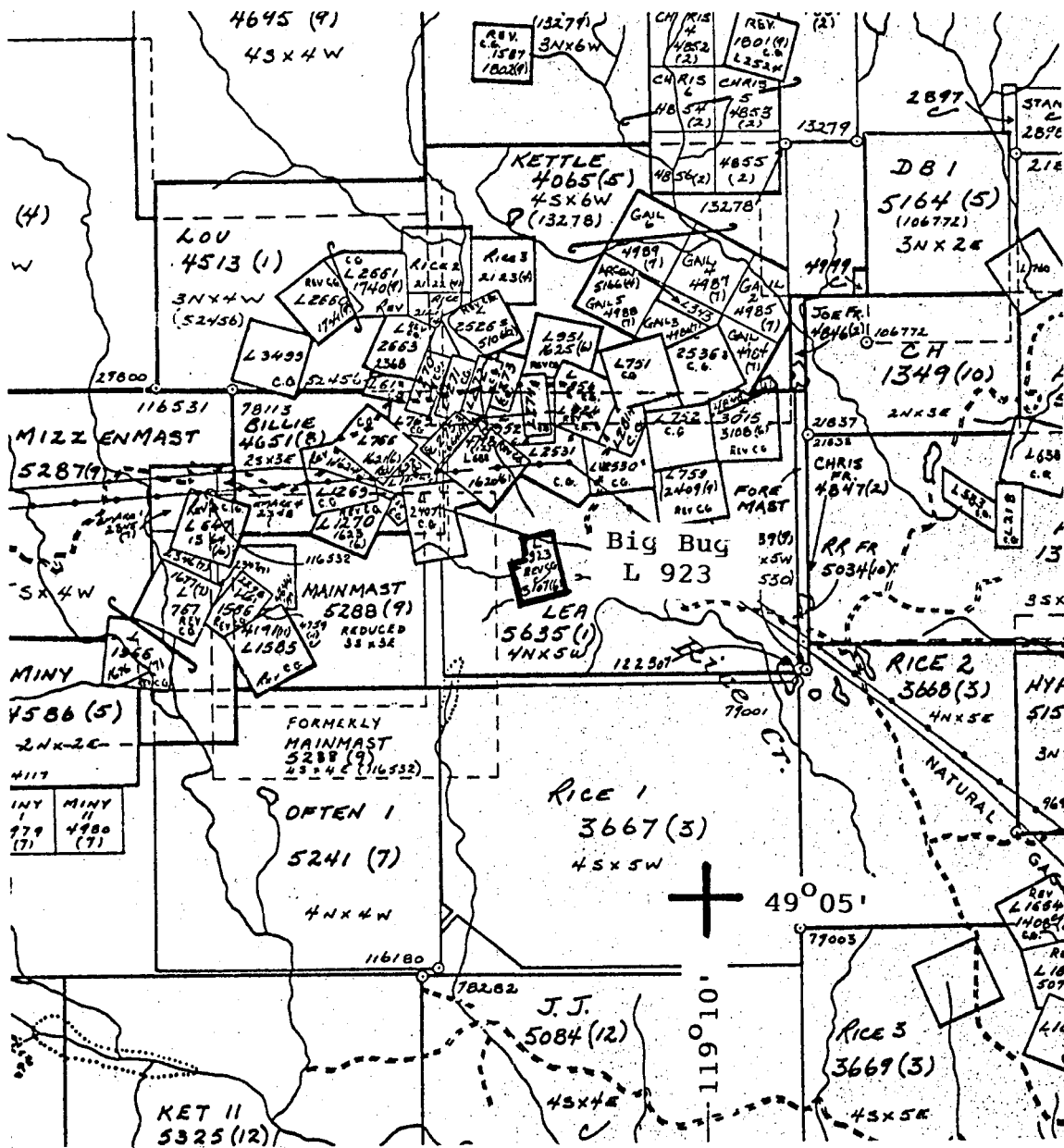
A one day field assessment was carried out on the Big Bug Claim on June 24, 1990 by the author. Vein material from the shaft's dump was collected for analysis.

## 2.0 GEOLOGY AND MINERALIZATION

### 2.1 General Geology

The general geology of this area is covered by D.J. Tempelman-Kluit in GSC Open File 1989. Tempelman-Kluit's compilation shows the claim to be underlain by Carboniferous or Permian Anarchist Group greenstones and schist. Geology and mineralization in the Camp McKinney area are described in separate reports by W. E. Cockfield (1935) and Hedley (1940).

At the Cariboo-Amelia Mine, gold was mined from a narrow quartz fissure mineralized with pyrite and minor sphalerite, galena and chalcopyrite. The vein was westerly striking and vertical to steep south dipping.



Big Bug Claim

# CLAIM MAP

June 1990

Figure 2



2.2 Procedure and Presentation of Data

Prospecting and mapping was carried out by hip-chain and compass traverse using local topographic features (Rice Creek, gas pipeline) for control. Most of the claim's 88.0 hectares (35.61 acres) were covered by traverses. The results of mapping are shown at a scale of 1:2500 in Figure 3.

X

1 acre ≈ 0.4 ha

2.3 Local Geology

T.K.

Outcrop in the claim area is extremely poor. The only rock exposure observed was massive, calcareous greenstone in the walls and immediately west of an old shaft. Alteration and shearing of the greenstone give the rock a slight schistose texture and have destroyed evidence of the original rock type. The shaft has been sunk on a narrow (5-20cm) east-west striking quartz vein. The vein is steeply dipping (85° S) and can be traced 10 metres west of the shaft. Pyrite occurs as fracture fillings and disseminations throughout the quartz vein.

3.0 DISCUSSION OF RESULTS

Analytical results for the quartz vein material from the waste dump on the Big Bug Claim are included as Appendix A. Assay and ICP results (Sample No. 91003WH) do not show significant gold or silver values. ICP analysis show background values for the elements analyzed.

4.0 CONCLUSIONS AND RECOMMENDATIONS

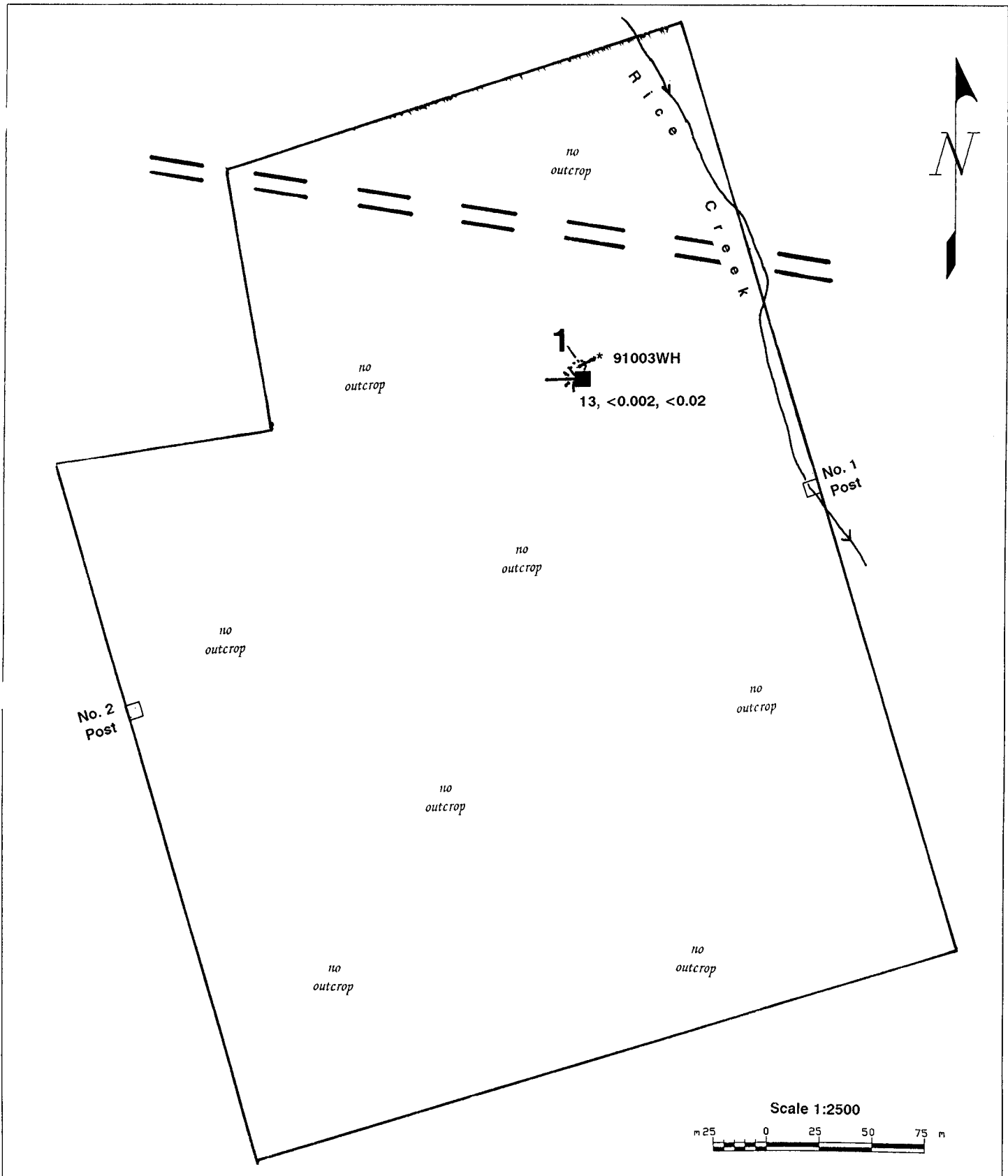
Exploration on the Big Bug Claim appears to be limited to the sinking of a 9.1m (30') shaft on a narrow (5-20cm wide) steep dipping east-west striking quartz vein. The quartz vein, although poorly exposed, can be traced for 10 metres west of the shaft. The vein shows a similar attitude to the major gold producing fissure that was mined at the Cariboo-Amelia Mine.

Backhoe trenching and sampling of the quartz vein is recommended.

Respectfully submitted,

L. R. HAYNES *L. R. Haynes*  
Larry Haynes  
GEOLOGICAL ASSOCIATION OF CANADA  
FELLOW

B.Sc., F.G.A.C.



1 Greenstone (Permo-Carb. Anarchist Group)

- Outcrop
- Quartz Vein
- Shaft
- Waste Dump

- 91003WH \* Sample Location & Number
- 13, <0.002, <0.02 ppb Au, opt Au, opt Ag
- Creek
- Gas Pipeline

### Big Bug Claim (Lot 923)

### LOCAL GEOLOGY

June 1990

Figure 3

#### 4.0 REFERENCES

- B.C. Minister of Mines Annual Report: 1897, p.606; 1898, p.1117; 1901, p.1229.
- Cockfield, W.E. (1935): Lode Gold Deposits of Fairview Camp, Camp McKinney, and Vidette Lake Area, and the Dividend-Lakeview Property near Osoyoos, B.C.; Geological Survey of Canada, Memoir 179.
- Hedley, M.S. (1940): Geology of Camp McKinney and of the Cariboo-Amelia Mine, Similkameen District; British Columbia Department of Mines, Bulletin No. 6.
- Meyers, R.E. and Taylor W.A. (1989): Lode Gold-Silver Occurrences of the Okanagan Region, South-Central British Columbia; B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1989-5.
- Schroeter, T.G., Lund C. and Carter, G. (1989): Gold Production and Reserves in British Columbia; B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1989-22.
- Tempelman-Kluit D. (1989): Penticton Map Area, British Columbia; Geological Survey of Canada, Open File Map 1969.

APPENDIX I  
Analytical Results - Rock Samples




REPORT: V91-00235.4

DATE PRINTED: 4-MAR-91

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	FILAMENT UNITS	Au OPT	Ag OPT
R2 91000WH		<0.002	0.06
R2 91001WH		<0.002	0.12
R2 91002WH		<0.002	<0.02
R2 91003WH <b>BIG BUG</b>		<0.002	<0.02

  
Registered Assayer, Province of British Columbia

Bondar-Clegg & Company Ltd.  
130 Pemberton Ave.  
North Vancouver, B.C.  
V7P 2R5  
(604) 985-0681 Telex 04-352667



# Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 18-MAR-91

REPORT: V91-001235.II

PROJECT: NONE GIVEN

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Tr PPR	Ag PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	As PPM	Sb PPM	Fe PCT	Se PPM
R2 91000WH		33	<100	7	<200	7	530	730	<10	52	0.5	>10.0	130
R2 91001WH		60	<100	10	270	7	200	100	<10	18	11.0	5.4	<10
R2 91002WH		44	<100	<5	<200	<2	<20	<10	<10	29	0.4	1.2	<10
R2 91003WH	<b>BIG BAG</b>	13	<100	<5	<200	12	<20	95	<10	12	4.7	4.2	<10

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 130 Pemberton Ave.  
 North Vancouver, B.C.  
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Geochemical  
 Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 18-MAR-91

REPORT: V91-00235.0

PROJECT: NONE GIVEN

PAGE 18

SAMPLE NUMBER	FLUX UNIT	Te PPM	Ba PPM	Cr PPM	Sn PPM	W PPM	Cs PPM	La PPM	Ce PPM	Sm PPM	Fu PPM	Tb PPM	Yb PPM
R2 91000WH		<20	<100	76	<200	423	<1	<5	<21	0.3	<2	<1	<5
R2 91001WH		<20	340	380	<200	390	<1	18	29	4.7	<2	<1	<5
R2 91002WH		<20	<100	340	<200	<2	<1	<5	<10	<0.2	<2	<1	<5
R2 91003WH	<b>BIG BUG</b>	<20	<100	240	<200	<2	<1	<5	<10	<0.2	<2	<1	<5



A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 18-MAR-91

REPORT: V91-00235.0

PROJECT: NONE GIVEN

PAGE 1C

SAMPLE NUMBER	FLMFNT UNITS	Tu PPM	Sc PPM	Hf PPM	Ta PPM	Th PPM	U PPM	Na PCT	Br PPM	Rb PPM	Zr PPM
R2 91000WH		0.5	0.9	3	<1	<0.5	<0.5	<0.05	<1	<10	<500
R2 91001WH		<0.5	17.0	4	<1	2.8	1.2	1.40	1	16	<500
R2 91002WH		<0.5	0.7	<2	<1	<0.5	<0.5	0.06	<1	<10	<500
R2 91003WH <b>BIG BUG</b>		<0.5	2.3	<2	<1	<0.5	<0.5	<0.05	<1	<10	<500



APPENDIX II  
Cost Statement

COST STATEMENT

**BIG BUG CLAIM**

Geology

24 June 1990

Salaries and Wages

L. Haynes	1.0 Field Days @ \$200.00/day	\$ 200.00
	1.0 Office Days @ \$150.00/day	\$ 150.00

Food and Accommodation

1 person; June 24, 1990; 1.0 man days @ \$50.00/day	\$ 50.00
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Transportation

Truck Rental 1.0 days @ \$40.00/day (June 24, 1990)	\$ 40.00
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Fuel	\$ 26.49
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Analysis

1 ICP Analysis (Rock)	\$ 16.05
1 Ag-Au Analysis (Rock)	\$ 13.64
Sample Preparation	\$ 4.28

General Costs

Report Preparation - Typing, Drafting, Copies	\$ 50.00
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<b>Total</b>	<b>\$ 550.46</b>
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APPENDIX III  
Statement of Qualifications

## Statement of Qualifications

Larry Haynes

### Academic

April 1972                      B.Sc.                              University of B.C.

### Practical

December 1985 -		Geological Consultant
May 1983 - November 1985	Exploration Manager	Property appraisal and acquisition in B.C. and NW U.S.A.
October 1983	Fellow	Geological Assoc. of Canada
November 1982-- May 1983	Associate Geologist Alionis & Lohman	Contract Geologist
May 1972-- October 1982	Geologist Riocanex Inc.	Geologist involved in all aspects of mineral exploration in B.C., Yukon and N.W.T.