

**Summary Report on the
Bonanza Mine, Bowen Island, BC
Vancouver Mining Division**

NTS 92G6 West

Lat. 49°23'40"W Long. 123°24'9"N

GEOLOGICAL SURVEY BRANCH
ASSESSMENT BRANCH
27-2009

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JUL 15 2005
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VANCOUVER, B.C.

**By: James W. Laird
Qualified Prospector**

July 10, 2005

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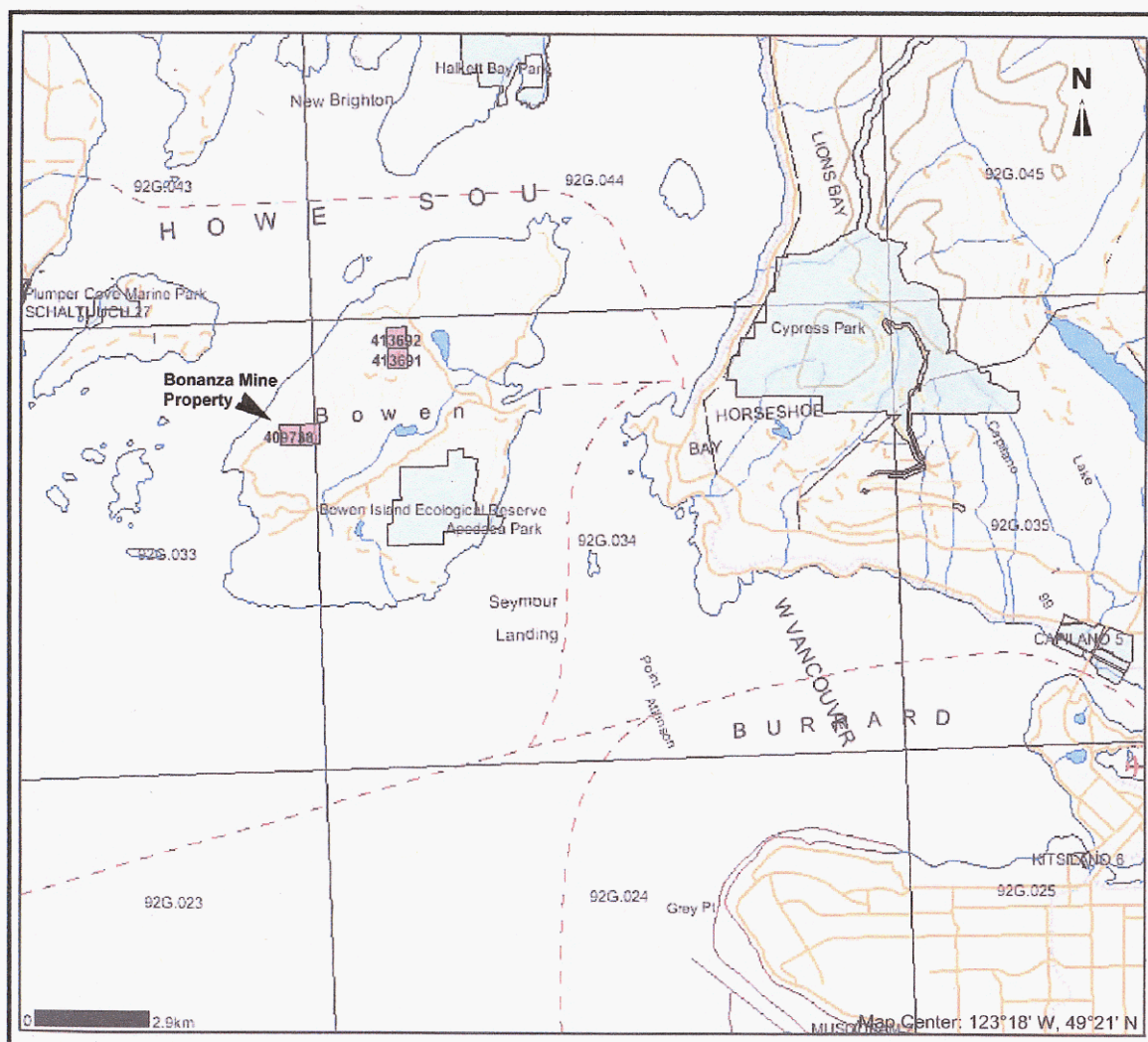
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1.0 SUMMARY

The Bonanza Mine Property is located on the western slope of Mount Gardner, Bowen Island, near Vancouver BC. Access to the mine area is via BC Ferries to Bowen Island, driving to the end of the road at the Community of Bluewater, and then following a good trail up to the workings. Discovery and development of this gold-bearing deposit began in the late 1800's, culminating in the driving of four adits about 1905. In 1908, GSC geologist O.E. LeRoy reported on the Bonanza Mine; no record of more recent geological work has been found. The author assayed several rock samples from the main Bonanza workings in 1988. Recent changes to Mineral Titles law allowed staking on Bowen Island for a short period of time and two 2-post mineral claims were staked during 2004. This report summarizes the results of several prospecting trips to the property area and recommends a potential development plan.



BONANZA MINE LOCATION MAP

2.0 CLAIMS AND ENVIRONMENT

On April 6, 2004, following the temporary lifting of a long-held staking moratorium, two 2-post mineral claims were staked over the Bonanza Mine area. The claims are owned 100% by James Laird, recorded as Bonanza 1 (BC Mineral Tenure #409737), and Bonanza 2 (BC Mineral Tenure #409738).

The western side of Mt. Gardner is a moderate to steep slope covered with large mature second-growth forest. Streams commonly follow geological structures and form small canyons along the larger creeks. The most prevalent wildlife noted includes a variety of birds and rodents, but an occasional deer was seen and deer sign is abundant. The area has the typical Coastal moderate climate with high precipitation, sometimes coming as snow in the winter months but seldom persisting. A well-cleared local trail known as the "Bluewater Trail" joins up with an old logging road on Mt. Gardner, this is known as the "Mt. Gardner Trail" and can be followed north to the main Bonanza Mine tunnel and beyond.

3.0 HISTORY

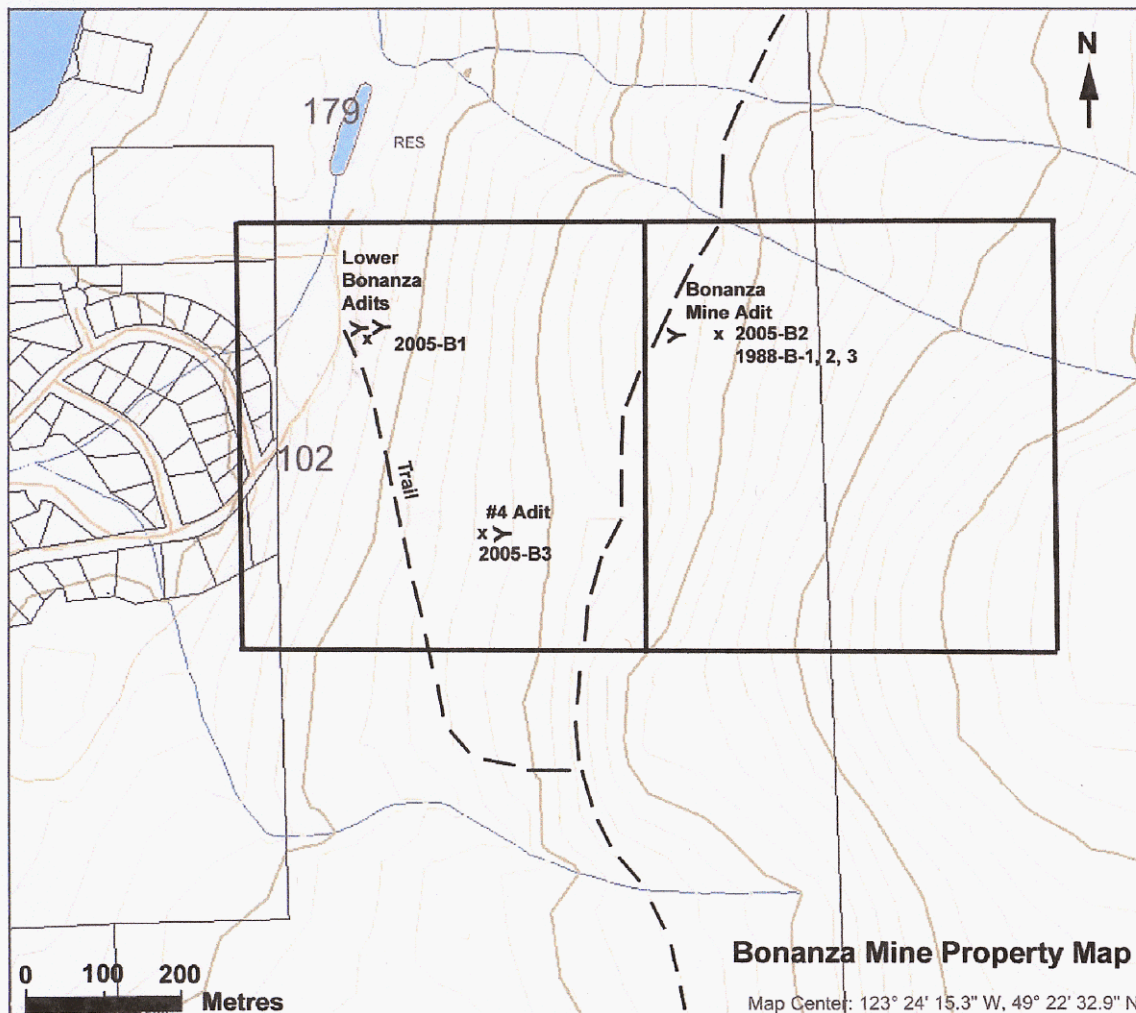
Originally discovered in the late 1800's, four adits were driven by about 1905. In a preliminary report done in 1907, government geologist M.W. Brewer examined the "Islander Mine" of the Bowen Island Copper Company located about 5 km north of the Bonanza workings at Galbraith Bay. The mine manager described additional company-owned underground workings as containing "a body of copper sulphide ore" and the location given to Mr. Brewer corresponds to the lower Bonanza adits near the Community of Bluewater.

O.E. LeRoy, in his 1908 GSC report on the main Bonanza Mine, states; "This mine is situated on the southwest slope of Mt. Gardner and 1100 feet above sea level. The ore occurs in a zone of fracture in the cherts and chlorite schists, which crosses the strike. The width varies from nine inches to three feet and a half, but in the wider parts the ore is mixed with a considerable proportion of rock. A tunnel has been driven in on the ore body for 300 feet, but no further development has been done. The ore is a mixture of pyrite, zinc blende and galena and is stated to carry \$6.40 in gold, 30 ozs. of silver, and from 25 to 40 per cent lead. Messrs. Hubbard and Elliot of Chicago and Menach of Seattle are the joint owners".

4.0 REGIONAL GEOLOGY

Bowen Island is underlain by a series of intermediate volcanic and related sedimentary rocks known as the Bowen Island Group. The island is divided into three distinct east-west trending belts of Bowen Island Group rocks separated by large granodiorite and quartz-diorite plutonic intrusions. Most of the Bonanza

Property is underlain by Bowen Island Group rocks, however, the northern boundary of a large intrusion of quartz diorite and diorite follows an indistinct contact zone near the southern boundary of the property. The age of the Bowen Island Group has been assumed through stratigraphic inference to be Jurassic in age, but no diagnostic fossils have been found to date to confirm this.



BONANZA MINE PROPERTY MAP

5.0 BONANZA MINE GEOLOGY AND MINERALIZATION

Two lower adits, located just above the main road near the Community of Bluewater at about 150 metres elevation, contain chalcopyrite and pyrrhotite in sheared Bowen Island Group intermediate volcanic rock. The lowermost adit (#1) is approximately 50 metres in length with two short crosscuts, and an adjoining 5 metre long adit (#2) is located just uphill. A small amount of dump

material and debris has partially blocked the lower adit portal, causing minor flooding in the adit to a depth of about 30 cm. Mineralization in the form of chalcopyrite, pyrrhotite and pyrite is found within a narrow west-northwest-trending shear zone crossing greenish volcanic rocks, best exposed at the #2 adit. Due to the heavily oxidized nature of the exposed rock, strike and dip of the shear zone(s) and thickness of the mineralization is difficult to ascertain.

A dump grab sample (2005-B1) from the #2 adit was assayed and found to contain 2.48% copper, 1.51 g/t gold, 80 g/t silver, 650 ppm cobalt, 280 ppm nickel, and 560 ppm zinc.

Following the Bluewater Trail from the lower adits up the mountainside, a 5 metre long adit (#4) was found near a small stream at about 260 metres elevation. It follows a narrow west-northwest-trending quartz-filled shear zone with disseminated galena, sphalerite, chalcopyrite, pyrite and pyrrhotite. A dump grab sample (2005-B3) was assayed and found to contain 0.339% copper, 1.56 g/t gold, 76 g/t silver, 2.22% lead, 0.174% zinc, and 460 ppm arsenic.

Continuing north along the old logging road known as the Mt. Gardner Trail, the main Bonanza Mine adit (#3) is found at an elevation of 360 metres. The #3 tunnel follows a mineralized zone up to 1 metre wide trending west-northwest for about 90 metres. A water-filled shaft of unknown depth is located near the inner end of the adit, and an old ore-car was found on the dump. Similar to the lower adit (#1), a small amount of debris at the portal has caused water to back up in the adit to a depth of about 30 cm.

The main Bonanza workings follow a mineralized zone in sheared greenish volcanics and banded cherty tuffaceous sediments. The massive-sulphide zone as seen in a series of old sloughed trenches on surface contains pyrite, pyrrhotite, sphalerite, galena, arsenopyrite and chalcopyrite in a gangue of cherty tuff and minor quartz. Banding of the sulphide minerals parallel to bedding (?) in the host rock is a striking feature, perhaps indicating a volcanogenic origin rather than an epigenetic shear zone or vein system.

Three rock samples were taken from the surface trench and assayed in 1988 (1988-B-1, B-2, B-3), and one (2005-B2) in 2005. Results indicate a high content of precious and base metals;

Sample#	Au oz/t	Ag oz/t	Cu%	Pb%	Zn%	As%	Sb%
1988-B-1	0.094	7.02	0.12	10.26	10.4	2.41	0.02
1988-B-2	0.230	4.19	0.02	3.30	1.11	7.41	0.02
1988-B-3	0.372	14.08	0.05	15.81	2.33	1.42	0.05
2005-B2	8.83 g/t	165 g/t	0.226	4.98	13.2	0.273	190 ppm

The Bonanza Mine ore has a high lead content, consequently a galena-rich sample was submitted for the lead-dating database at UBC in the late 1980's. The lead isotopic data plots up to be Lower Cretaceous in age (~100 my), similar to the volcanogenic Britannia Mine, and may have originated at the same time due to regional hydrothermal and intrusive activity. Alternatively, the Bowen Island Group host rocks may be much younger in age than previously thought and the Bonanza deposit could be syngenetic in nature.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The Bonanza Mine workings are located in a culturally and environmentally sensitive area, in addition to potentially impacting on the water quality of the Community of Bluewater. The general drainage area naturally contains high amounts of suspended metals due to the geologic occurrences thereof, both known and unknown, and it would seem that this drainage system would be a poor choice of household water supply.

However, water supplies are at a premium on Bowen Island due to a major building boom. Any attempted filtration of the Pb and As content would likely be prohibitively costly, so a planned elimination of highly metalliferous streams from the community water system would seem to be the most direct approach. Prospecting and mapping of the property in detail would assist the Community of Bluewater in identifying any such streams. A soil and stream drainage geochemical survey would certainly outline anomalous areas as well.

The main Bonanza Mine mineral deposit appears to be relatively rich in assay values, but total volume of mineralized material must be taken into account when judging the economics. Mining or major ground disturbance would almost certainly be met with local opposition, so a different development plan with acceptable goals needs to be addressed. Given the close proximity to a major metropolitan center such as Vancouver, and the unique geological/historical nature of the mine area, several uses suggest themselves. The mine area could be used as a teaching site, to promote an understanding of historic mining methods and the geology of Bowen Island, similar to the BC Museum of Mining at Britannia Beach. Groups of schoolchildren or tourists could be guided through the lush forest and see spectacular views over Howe Sound, while learning about our natural and mining history and perhaps have the chance to take home a piece of gold ore. In addition, the rustic nature of the lower tunnels and the close proximity to a road suggests potential usage by the BC Film Industry.

A recommended work program to facilitate all of these potential outcomes and needs would include detailed prospecting, geological mapping and sampling, followed by a geochemical soil and stream sediment survey. Selective hand-clearing of brush around the portals and trenches and re-establishment of the adit drainages to prevent in-situ leaching and facilitate access would also greatly

assist in sampling and mapping. Rock condition of the #1 and #3 tunnels, including testing for gasses present, should be ascertained by a professional mining engineer. Any trail maintenance due to windfalls or erosion should also be completed. Where possible, local labour could be used to assist in these tasks.

A business plan will be developed to investigate the Geotourism potential of the area, and the BC Film Industry will be advised a new filming location is available.

7.0 REFERENCES

- Brewer, M. 1907 "Memorandum Report on the Bowen Island Copper Company's Property, Bowen Island, BC"
- LeRoy, O.E. 1908 GSC Report No. 996 "Preliminary Report on a Portion of the Main Coast of British Columbia and Adjacent Islands", page 37
- Roddick, J. 1965 GSC Memoir 335 "Vancouver North, Coquitlam, and Pitt Lake Map Areas, British Columbia"

Statement of Qualifications

I, James W. Laird do state that;

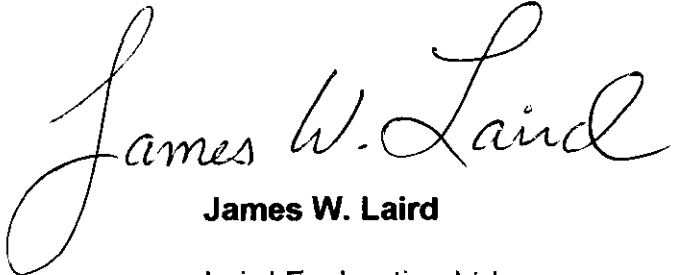
My address is PO Box 672, Lions Bay, BC V0N 2E0

I am a prospector and mining exploration contractor and have been for more than 25 years.

I have completed the BC EMPR course "Advanced Mineral Exploration for Prospectors, 1980".

I am the registered and beneficial owner of the Bonanza 1 and 2 mineral claims.

I managed and participated in all phases of this exploration program, the opinions and conclusions stated herein are entirely my own.



James W. Laird

Laird Exploration Ltd.

July 10, 2005

Bonanza Gold Property, Bowen Island, BC**Statement of Expenses 2004/05****Wages**

James Laird, Qualified Prospector

April 11, 2004

September 13, 2004

March 28, 2005 - 3 days @ \$300.00 per day \$900.00

Brendan Laird, Prospector

March 28, 2005 - 1 day @ \$85.00 day \$85.00

BC Ferries \$79.00**4x4 Truck Mileage Inclusive**

200 km @ \$0.60 per km \$120.00

Assays \$150.00**Field Supplies** \$100.00**Report and Drafting** \$ 500.00**Total** **\$1934.00**

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: SEP 9 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *Sept. 16/88*

ASSAY CERTIFICATE

- SAMPLE TYPE: ROCK AU - 10 GR REGULAR ASSAY.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

JAMES W. LAIRD PROJECT BONANZA FILE # 88-4359

SAMPLE#	Cu %	Pb %	Zn %	Ag OZ/T	Au OZ/T	As %	Sb %
88 B-1	.12	10.26	10.40	7.02	.094	2.41	.02
88 B-2	.02	3.30	1.11	4.19	.230	7.41	.02
88 B-3	.05	15.81	2.33	14.08	.372	1.42	.05



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Page: 1
Finalized Date: 29-JUN-2005
This copy reported on 30-JUN-2005
Account: LAIEXP

CERTIFICATE VA05048848

Project: COAST

P.O. No.:

This report is for 6 Rock samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2005.

The following have access to data associated with this certificate:

JAMES LAIRD

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
Zn-AA62	Ore grade Zn - four acid / AAS	AAS
ME-GRA21	Au Ag 30g FA-GRAV finish	WST-SIM
ME-ICP01a	High Grade Four Acid ICP-AES	ICP-AES

To: LAIRD EXPLORATION LTD.
ATTN: JAMES LAIRD
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



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Page: 2 - A

Total # Pages: 2 (A - B)

Finalized Date: 29-JUN-2005

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CERTIFICATE OF ANALYSIS VA05048848

Sample Description	Method Analyte Units LOR	WEI-21	ME-GRA21	ME-GRA21	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
		Revd Wt. kg	Au ppm	Ag ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ce %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.06	5	1	0.05	60	100	10	20	0.06	10	10	10	10	0.05
B1		1.76	1.51	62	80	0.76	<60	100	<10	80	0.18	<10	660	10	24800	>30.0
B2		2.16	8.83	166	185	0.16	2730	<100	<10	<20	0.19	2400	100	<10	2260	27.6
B3		0.66	1.56	67	76	1.18	480	100	<10	<20	0.50	40	70	30	3380	2.55
HC-05-1		0.64	0.98	603												
HC-05-2		0.76	2.22	1670												
VIKING LJA-05-1		0.64	0.66	250												



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Page: 2 - B
 Total # Pages: 2 (A - B)
 Finalized Date: 29-JUN-2005
 Account: LAJEXP

Project: COAST

CERTIFICATE OF ANALYSIS VA05048848

Sample Description	Method Analyte Units LOR	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	Cu-AA62	Zn-AA62
		K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Se ppm	Ti %	V ppm	Zn ppm	Cu %	Zn %
		0.1	0.05	10	10	0.05	10	20	0.1	50	10	0.05	10	20	0.01	0.01
B1		0.1	0.27	180	<10	0.08	280	30	28.7	<50	10	<0.05	20	580		
B2		<0.1	<0.05	520	<10	<0.05	40	48800	25.0	190	<10	<0.05	<10	>100000		13.20
B3		0.3	0.20	140	<10	0.08	20	22200	1.5	<50	<10	<0.05	30	1740		
HC-05-1															>50	
HC-05-2															>50	
VIKING LJA-05-1															14.00	



Lower Bonanza Adits (#1 and #2)



Bonanza Mine #3 Adit



Bonanza #4 Adit