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CONSOLIDATED RAMROD GOLD CORPORATION		
FILE NO:		

CONSOLIDATED RAMROD GOLD CORPORATION

ASSESSMENT REPORT ON TWO DIAMOND DRILL HOLES  
(F92-2 & 3)

**FORS PROPERTY**

PUMA AND PUMA 1 MINERAL CLAIMS  
MONROE LAKE AREA  
FORT STEELE MINING DIVISION  
N.T.S. 82 G/5W

Latitude 49°21'N

Longitude 116°53'W

OWNERS

Lloyd Morgan  
418 16th Avenue North  
Cranbrook, B.C.  
VIC 1W7

Darlene Lavoie  
3012-2501 12th Street North  
Cranbrook, B.C.  
VIC 5Y7

OPERATOR

CONSOLIDATED RAMROD GOLD CORPORATION  
104-135 10th Avenue South  
Cranbrook, B.C.  
VIC 2N1



Work Performed from November 13, 1992 to December 16, 1992  
Report by: Peter Klewchuk  
March 1993

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**22,817**

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CONSOLIDATED RAMROD GOLD CORPORATION

ASSESSMENT REPORT ON TWO DIAMOND DRILL HOLES

PUMA + PUMA 1 CLAIMS

FORT STEELE MINING DIVISION

P. Klewchuk

March 1993

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1.00 INTRODUCTION

1.10 Location and Access

The Fors property is located immediately southwest of Monroe Lake, approximately 18 km SSW of Cranbrook, B.C., on reference mapsheet N.T.S. 82 G/5W, latitude 49°21'N, longitude 116°53'W (Figures 1 & 2).

Access is via road south from Cranbrook along Highway 3/95 to Green Bay then west to Monroe Lake or along the Lamb Creek logging road.

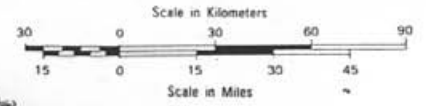
1.20 Physiography

The Fors property is situated just west of Moyie Lake within the Moyie Range of the Purcell Mountains. Topography varies from gentle valley bottoms and rounded ridges to steep, rocky mountain slopes. Elevations range from 1077 m at Monroe Lake to 1830 m at the north edge of the property. Nearby mountains reach elevations of 2100 m.

Forest cover is generally a mixture of spruce, larch, fir, and pine with lesser cedar and hemlock. Portions of the property have been logged and are in various stages of regeneration.

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# BRITISH COLUMBIA



**KILOMETERS IN CANADA**  
 KILOMETERS x 0.6 = MILES

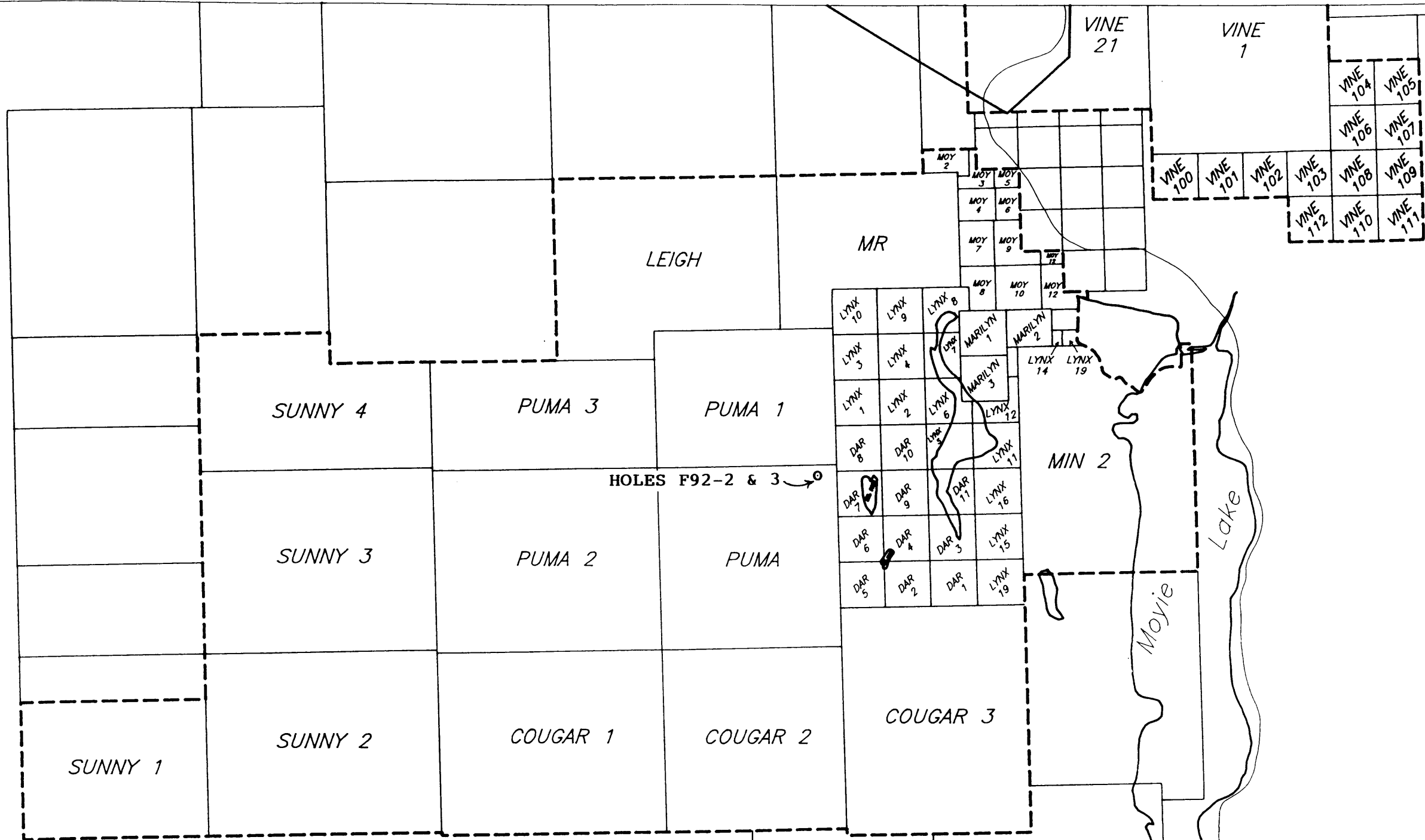


**Consolidated Ramrod  
 Gold Corporation**

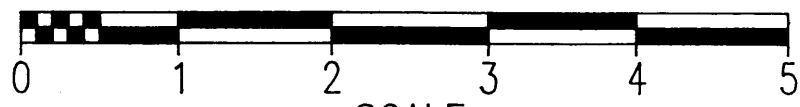
## FORS Property

### PROPERTY LOCATION MAP

Scale: as shown    Date: Jan/93    Plate:



HOLES F92-2 & 3 →



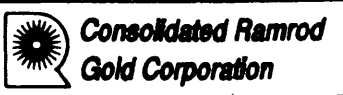
SCALE  
1 : 50 000

575000 E

NTS 82G05W

5465000 N

# FORS PROPERTY



Drawn by: DPM		Traced by:	
Revised by:	Date	Revised by:	Date

## DRILLHOLE & CLAIM LOCATION MAP

Scale: 1:50,000 Date: 93/01/05 Plate:

### 1.30 Property

The Fors property includes 11 2-Post and 7 4-Post mineral claims totalling 130 units.

<u>Claim Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Anniv. Date</u>
Puma	16	210303	April 27/96
Puma 1	12	210304	April 27/96
Puma 2	20	210403	Dec. 17/96
Puma 3	15	210404	Jan. 25/96
Cougar 1	20	210413	Feb. 24/96
Cougar 2	16	210408	Feb. 5/96
Cougar 3	20	210409	Feb. 8/96
Dar 1	1	308575	March 24/96
Dar 2	1	308576	March 24/96
Dar 3	1	308577	March 24/96
Dar 4	1	308578	March 24/96
Dar 5	1	308579	March 27/96
Dar 6	1	308580	March 27/96
Dar 7	1	308581	March 26/96
Dar 8	1	308582	March 26/96
Dar 9	1	308637	March 28/96
Dar 10	1	308638	March 28/96
Dar 11	1	308639	March 28/96

### 1.40 History

The property was initially staked by Cominco Ltd. in the mid-1960's following the discovery of surface base metal mineralization. Cominco's exploration included soil geochemistry, geophysics and diamond drilling. At least 5 shallow and 2 deeper holes were drilled between 1967 and 1978.

L.D. Morgan staked the ground in 1987 and 1988 after Cominco allowed it to lapse. In 1988, the property was optioned to Placer Dome who conducted geological and geochemical work for one season.

In the fall of 1992 Chapleau Resources Ltd. and Barkhor Resources Ltd. optioned the property and commenced a diamond drill program operated by Kokanee Explorations Ltd. (now Consolidated Ramrod Gold Corporation). Kokanee eventually optioned the property from Chapleau and Barkhor and expanded the drill program.

### 1.50 Scope of Present Program

In 1992, a diamond drill program was conducted on the Fors property to test subsurface bedrock in the vicinity of a surface exposure of base metal mineralization. Two holes totalling 1054.2 m are reported here.

## 2.00 GEOLOGY

### 2.10 Regional Geology

The Fors property is underlain by the Kitchener and Aldridge Formations which are members of the Precambrian Purcell Supergroup.

The Middle Proterozoic Purcell Supergroup is a thick succession of fine-grained clastic and carbonate sedimentary rocks exposed in the core of the Purcell Anticlinorium in southeast British Columbia. These rocks are believed by some workers to have been deposited in an epicratonic reentrant of a sea that extended along the western edge of the North American Precambrian Craton.

The oldest known member of the Purcell Supergroup is the Aldridge Formation, a thick sequence of fine-grained siliciclastic rocks deposited largely by turbidity currents. The Aldridge Formation is gradationally overlain by shallower-water deltaic clastics of the Creston Formation; no rocks of the Creston Formation are exposed on the Fors property. Conformably overlying Creston rocks is the Kitchener Formation consisting of fine siltstones, silty carbonate and carbonates.

The Purcell anticlinorium is transected by a number of steep transverse and longitudinal faults.

A number of gabbro and diorite composition sills and dykes of Precambrian age are present within the Aldridge Formation. The Moyie fault is a major transverse Fault which crosses the extreme southeast corner of the Fors property. Locally Kitchener Formation rocks on the south side of the Moyie Fault are juxtaposed with Lower Aldridge Formation rocks on the north side of the Fault, implying a vertical component of movement about 5000m.

The Aldridge Formation is host to the world class lead-zinc-silver Sullivan Orebody at Kimberley, B.C., approximately 40km north of the Fors property. Consequently, the Aldridge Formation is prime exploration ground for the discovery of a similar deposit.

## 2.20 Property Geology

The Fors property is underlain primarily by rocks of the Aldridge Formation, with Kitchener Formation exposed on the south side of the Moyie Fault in the southeast corner of the property. Aldridge rocks north of the Moyie Fault dip gently north, northeast and east. Adjacent to the Moyie Fault, Aldridge rocks strike northeast and dip steeply southeast while Kitchener Formation rocks on the south side of the fault strike northeast but dip moderately northwest.

## 3.00 DIAMOND DRILLING

Two NQ diameter diamond drill holes, collared at the same location, tested bedrock on the Fors property in November and December of 1992, in the vicinity of a surface showing of base metal mineralization. Both holes were drilled entirely in the Aldridge Formation.

Drill hole F92-2 was collared at an azimuth of 055° and a collar dip of -65°. It was drilled to a depth of 596.3 m.

Drill hole F92-3 was a vertical hole collared at the same site (see Figure 2) and drilled to a depth of 457.9 m.

The holes intersected a zone of strong alteration similar in many ways to alteration associated with the Sullivan Orebody at Kimberley, B.C. Minor base metal mineralization is present in both drill holes.

Drill hole F92-2 intersected quartzites, siltstones and argillites from surface to 63.0 m with local sulfides consisting of pyrrhotite, sphalerite and galena. From 63.0 m to 107.6 m strongly altered sediments were cored with alteration consisting of biotite, muscovite, actinolite and albite. Minor sulfides including pyrrhotite, galena and sphalerite occur locally through parts of this interval. From 107.6 m to 134.0 m the hole encountered tourmalinized and partly tourmalinized fragmental with local fracture mineralization of pyrrhotite, sphalerite and galena. Between 134.0 m to 160.0 m a silicified and albitized fragmental with generally weak, scattered iron and base metal sulfides are present. Below 160.0 m to the end of the hole at 596.3 m the hole encountered quartzites, siltstones and argillites with local alteration consisting of albite, calcite, muscovite or tourmalinite present. Scattered minor sulfides in this zone include pyrrhotite, arsenopyrite, galena and sphalerite. One narrow fine-grained gabbro sill was encountered from 478.8 m to 482.2 m.



Drill hole F92-3 cored Aldridge Formation quartzites, siltstones and argillites with local alteration consisting of albite, tourmaline, biotite or actinolite from surface to 91.6 m. Minor sulfides of pyrrhotite, sphalerite and galena occur locally. From 91.6 m to 233.0 m fragmental with patchy tourmaline, albite, biotite, muscovite and actinolite alteration is present. Minor sulfides include pyrrhotite, arsenopyrite, sphalerite and galena. Narrow zones of relatively unaltered siltstone and argillite occur within this interval. Below 233.0 m to the end of the hole at 457.9 m Aldridge Formation quartzites, siltstones and argillites were cored with minor local tourmaline alteration and local disseminated minor sulfides.

Detailed logs of the drill holes are provided in Appendix I; Appendix II is a complete list of geochemical analyses and Figure 3 is a cross section of the two drill holes.

#### 4.00 CONCLUSIONS

Drill holes F92-2 & 3 intersected a strong zone of hydrothermal alteration with minor base metal sulfides within the Aldridge Formation. The alteration system includes albite and tourmaline and is generally similar to that associated with the Sullivan orebody at Kimberley, B.C.

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EXHIBIT "A"

STATEMENT OF EXPENDITURES  
DIAMOND DRILLING PROGRAM

ON PUMA + PUMA 1 CLAIMS  
FORT STEELE MINING DIVISION

Covering the period from Nov. 13, 1992 to Dec. 8, 1992.

INDIRECT

Salaries:

D. Pighin - Geologist - supervision, core logging 19 days @ \$225/day	\$ 4,275.00
B. Collison - Labourer - Haul core/cut core, etc. 20 days @ \$150/day	\$ 3,000.00
P. Klewchuk - Geological Contractor - Report writing 1 day @ \$200/day	\$ 200.00

Assays:

Rossbacher Laboratory Ltd. 2225 Springer Ave. Burnaby B.C. V5B 3N1 79 samples (30 element ICP & Fire Assays)	\$ 990.49
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Water truck:

Haul water for drilling Kennelly Contracting Ltd., Cranbrook, B.C. 383 hours @ \$55.00/hr	\$21,065.00
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Transportation:

Truck Rental - Peter Klewchuk 1-4x4 truck 0.5days @ \$50.00/day	\$ 25.00
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DIRECT - F92-2

Lone Ranger Diamond Drilling Ltd. 2160 Vernon Street Lumby, B.C. VOE 2G0	\$33,550.00
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TOTAL DIRECT + INDIRECT =	<u>\$63,105.49</u>
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*P. Klewchuk*

P. Klewchuk

Geologist

EXHIBIT "B"

STATEMENT OF EXPENDITURES  
DIAMOND DRILLING PROGRAM

ON PUMA + PUMA 1 CLAIMS  
FORT STEELE MINING DIVISION

Covering the period from Dec. 1, 1992 to Dec. 16, 1992.

INDIRECT

Salaries:

P. Klewchuk - Geological Contractor - Report writing 6 days @ \$200/day	\$ 1,200.00
D. Pighin - Geologist - supervision, core logging 6 days @ \$225/day	\$ 1,350.00
B. Collison - Labourer - Haul core/cut core, etc. 12 days @ \$150/day	\$ 1,800.00

Assays:

Rossbacher Laboratory Ltd. 2225 Springer Ave. Burnaby B.C. V5B 3N1 4 samples (30 element ICP & Fire Assays)	\$ 54.00
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Water truck:

Haul water for drilling Kennelly Contracting Ltd., Cranbrook, B.C. 256 hours @ \$55.00/hr	\$14,080.00
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DIRECT - F92-3

Lone Ranger Diamond Drilling Ltd. 2160 Vernon Street Lumby, B.C. VOE 2G0	<u>\$36,079.19</u>
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TOTAL DIRECT + INDIRECT =	<u>\$54,563.19</u>
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P. Klewchuk  
P. Klewchuk  
Geologist

IN THE MATTER OF THE  
B.C. MINERAL ACT  
AND  
IN THE MATTER OF A DIAMOND DRILL PROGRAM  
CARRIED OUT ON THE PUMA + PUMA 1 CLAIMS

MONROE LAKE AREA

in the Fort Steele Mining Division of  
the Province of British Columbia

More Particularly N.T.S. 82 G/5W

A F F I D A V I T

I, PETER KLEWCHUK, of the City of Kimberley, in the Province of British Columbia,  
make oath and say:

1. That I am employed as a Geological Contractor by Consolidated Ramrod Gold Corporation and as such, have personal knowledge of the facts to which I hereinafter depose:
2. That annexed hereto and marked as Exhibits "A" & "B" to this my Affidavit are true copies of expenditures incurred on a Diamond Drill Program, on the Puma & Puma 1 mineral claims;
3. That the said expenditures were incurred between the 13th day of November, 1992 and the 16th day of December, 1992 for the purpose of mineral exploration.

Peter Klewchuk

Peter Klewchuk

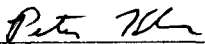
Geologist

AUTHOR'S QUALIFICATIONS

As author of this report I, Peter Klewchuk, certify that:

1. I am an independent consulting geologist with offices at 246 Moyie Street, Kimberley, British Columbia.
2. I am a graduate geologist with a BSc degree (1969) from the University of British Columbia and an MSc degree (1972) from the University of Calgary.
3. I am a Fellow in good standing of the Geological Association of Canada.
4. I have been actively involved in mining and exploration geology, primarily in the province of British Columbia, for the past 18 years.
5. I have been employed by major mining companies and provincial government geological departments.

Dated at Kimberley, British Columbia, this March 1993.

  
\_\_\_\_\_

Peter Klewchuk

Geologist

APPENDIX I  
DRILL LOGS F92-2 & 3



METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
39.4-43.9m	<u>QUARTZITE GRIT</u> : Massive rounded grains of quartzite float in muscovite. Altered argillite matrix, no grading or sorting noted. Po and rare ZnS occur as weak and heavy disseminations, as concretions and in wispy bands from 1mm to 100mm thick. Fine brown tourmaline needles throughout.					
43.9-54.0m	<u>QUARTZITE</u> : Medium to coarse grained, thick to very thick bedded. Bedding is very rare. Quartz grains are angular to rounded, unsorted and ungraded. Matrix is strongly muscovitized. ZnS and po are generally weakly disseminated throughout interval.					
54.0-56.2m	<u>ARGILLITE, INTERBEDDED SILTSTONE</u> : Medium to thin bedded, bedding sharp and flat. Argillite is mainly altered to very fine muscovite. Widely scattered fine disseminated tourmaline needles. Po and ZnS occur as sulfide beds from 2mm to 500mm thick, as disseminations and as blebs. Bedding to core is 61". SAMPLE					
	6575 53.8-54.8m (1.0m) - mainly po and rare ZnS in fractures, as blebs and disseminations.	5	2	0.18	0.09	92
	6576 54.8-55.2m (0.4m) - mainly ZnS and lesser po interval includes 2 bedding parallel ZnS-rich bands. Each 6cm thick.	5	3	0.27	0.22	114
	6577 55.2-56.2m (1.0m) - mainly po and minor ZnS in thin irregular fractures, disseminations, and massive blebs.	5	2	0.15	0.14	83
56.2-59.0m	<u>SILTSTONE</u> : Massive very thick bedded, no visible bedding. Widely scattered small calcite crystals. Po and ZnS occur as thin irregular veinlets, disseminations and blebs. SAMPLE					
	6578 56.2-57.2m (1.0m)	5	2	0.20	0.22	58
	6579 57.2-58.2m (1.0m) - as above, but includes a quartz-po vein 10cm thick which cuts core at 56".	5	1	0.05	0.09	51
	6580 58.2-59.0m (1.0m) - as above, but contains a 10cm thick interval of very heavy disseminated ZnS.	10	3	0.21	0.83	53
59.0-60.0m	<u>QUARTZITE</u> : Very fine grained, mottled by abundant irregular patches of calcite-tremolite alteration. ZnS, po and minor PbS, weakly to strongly disseminated in the calcite-tremolite alteration patches. SAMPLE					
	6581 59.0-60.0m (1.0m)	20	2	0.20	0.27	42
60.0-63.0m	<u>BIOTITIC SILTSTONE</u> : Massive, no visible bedding. Muscovite and tiny blebs of calcite are both widely scattered. Very weak disseminated po and very rare ZnS. At 60.0-60.5m patchy tremolite-calcite alteration hosts minor disseminated po and ZnS. SAMPLE					
	6582 60.0-60.5m (0.5m)	90	1	0.08	0.14	43
	6583 60.5-63.0m (2.5m) - very rare ZnS.	5	1	0.08	0.04	47
63.0-64.0m	<u>ACTINOLITIC CALC-SILICATE</u> : 90% coarsely crystalline actinolite, remainder is quartz, weakly limy. Finely disseminated po, rare ZnS and PbS. SAMPLE					
	6584 63.0-64.0m (1.0m)	5	1	0.08	0.11	83
64.0-79.0m	<u>BIOTITE-MUSCOVITE-TREMOLITE-ACTINOLITE CALC-SILICATE</u> : Composed of massive reddish-brown biotite-muscovite and limestone with abundant very coarsely crystalline tremolite and actinolite crystals scattered throughout interval. The rock is only weakly limy. Black tourmaline needles are widely scattered throughout the massive muscovite-biotite zones. Sulfides are present in this unit generally as widely scattered disseminations or veinlets.					



METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
	6585 64.0-65.0m (1.0m) - as above, but includes a 4cm thick PbS-ZnS-calcite vein which cuts core at 22°.	20	9	0.60	0.15	16
	6586 65.0-66.0m (1.0m) - as above, no vein	5	4	0.31	0.33	30
	6587 66.0-67.0m (1.0m) - as above	5	3	0.19	0.51	22
	6588 67.0-68.0m (1.0m) - as above but has 4cm thick PbS rich tremolite vein which cuts core at 10°	5	47	2.06	0.06	7
	6589 68.0-69.0m (1.0m) - as above	5	1	0.06	0.03	4
	6590 69.0-70.0m (1.0m) - mainly massive muscovite and biotite	5	1	0.01	0.04	2
	6591 70.0-71.0m (1.0m) - massive muscovite and biotite	5	1	0.005	0.05	2
	6592 71.0-72.0m (1.0m) - massive muscovite and biotite	5	0	0.005	0.04	3
	6593 72.0-73.0m (1.0m) - 70% biotite and muscovite and 30% tremolite	5	0	0.005	0.03	4
	6594 73.0-74.0m (1.0m) - 100% biotite and muscovite	5	1	0.005	0.05	2
	6595 74.0-75.0m (1.0m) - 70% biotite-muscovite and 30% tremolite	5	1	0.02	0.03	3
	6596 75.0-76.0m (1.0m) - 70% biotite-muscovite and 30% tremolite, note there are some patches of limestone with some very fine grained dark gray sulfides	5	1	0.04	0.03	3
	6597 76.0-77.0m (1.0m) - nearly 100% biotite-muscovite	5	1	0.02	0.05	1
	6598 77.0-78.0m (1.0m) - 60% biotite-muscovite, 40% tremolite, some small patches of fine dark gray sulfides	5	0	0.005	0.05	1
	6599 78.0-78.9m(0.9m) - 80% biotite-muscovite	5	1	0.009	0.05	1
	6600 78.9-79.0m (0.1m) - tremolitic calc-silicate	10	44	1.10	0.09	32
79.0-80.5m	<u>ACTINOLITIC CALC-SILICATE:</u> Generally green with some white mottling, coarsely crystalline and weakly limy. Relatively abundant disseminated ZnS, PbS and Aspy with lesser py and po. SAMPLE					
	6601 79.0-80.5m (1.5m)	5	26	0.72	1.08	199
80.5-82.5m	<u>BIOTITIC-ALBITITIC SILTSTONE:</u> Reddish brown and white mottled, 40% biotite, 60% albite and quartz. Weakly disseminated ZnS, PbS and Aspy with lesser po. SAMPLE					
	6602 80.5-81.5m (1.0m)	5	9	0.33	0.62	52
	6603 81.5-82.5m (1.0m)	5	6	0.19	0.22	36
82.5-86.5m	<u>ALBITIZED SEDIMENTS:</u> White to pinkish white, abundant thin stylolitic partings at roughly 60 to 80° to the core. Stylolites are commonly lined by fine light greenish muscovite or biotite. Fine black and brown tourmaline needles widely scattered throughout. Tourmaline is most abundant near sulfide concentrations. PbS, ZnS, Aspy and lesser po occur as widely scattered disseminations, irregular clots and, rarely, in veinlets which cut core at 25°. SAMPLE					
	6604 82.5-83.5m (1.0m)	5	4	0.13	0.14	35
	6605 83.5-84.5m (1.0m)	30	3	0.06	0.006	13
	6606 84.5-85.5m (1.0m)	50	1	0.02	0.009	7
	6607 85.5-86.5m (1.0m)	100	2	0.04	0.008	15

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
86.5-87.5m	<u>BIOTITIC QUARTZITE</u> : Massive, no visible bedding. Some patchy albitization with minor actinolite. Relatively abundant Aspy, minor disseminated ZnS and PbS. SAMPLE 6608 86.5-87.5m (1.0m)	60	2	0.03	0.31	34
87.5-88.5m	<u>MASSIVE BIOTITE-MUSCOVITE</u> : With scattered patches of limestone. ZnS and lesser po is abundantly disseminated throughout this unit. SAMPLE 6609 87.5-88.5m (1.0m)	5	2	0.03	1.00	64
88.5-107.6m	<u>ALBITIZED SEDIMENTS</u> : White, pinkish white and light bluish gray mottling, massive, no visible bedding. Scattered irregular large patches and thin irregular wisps of massive muscovite, biotite, actinolite and calcite. These are typically mineralized by Aspy, ZnS, PbS and po. Black tourmaline needles are widely scattered throughout and locally form massive crystalline tourmaline blebs up to 1cm square. At 99.4-99.8m albitized fragmental unit. Clasts are small (less than 1cm) rounded to angular, nearly clast supported, no preferred orientation. At 100.5-100.8m albitized fragmental, as above. At 105.0-107.6m albitized fragmental unit. Clasts range in size (grit to pebble), well rounded to sharply angular, nearly clast supported, good preferred orientation at 57° to core. No sorting is evident. PbS, ZnS, Aspy and po occur as weak disseminations, with massive albite, or more often limy muscovite-biotite alteration patches, rarely in thin fractures. Sulfides are very rare from 101.5-107.6m. SAMPLE 6610 88.5-89.5m (1.0m)	5	2	0.04	0.48	20
	6611 89.5-90.5m (1.0m)	5	4	0.07	0.15	17
	6612 90.5-91.5m (1.0m)	5	0	0.01	0.11	22
	6613 91.5-92.5m (1.0m)	5	9	0.14	0.14	23
	6614 92.5-93.5m (1.0m)	5	1	0.01	0.15	19
	6615 93.5-94.5m (1.0m)	5	0	0.01	0.07	25
	6616 94.5-95.5m (1.0m)	5	0	0.005	0.21	24
	6617 95.5-96.5m (1.0m)	5	1	0.02	0.05	30
	6618 96.5-97.5m (1.0m)	5	1	0.04	0.07	20
	6619 97.5-98.5m (1.0m)	5	0	0.01	0.03	22
	6620 98.5-99.5m (1.0m)	5	4	0.11	0.01	70
	6621 99.5-100.5m (1.0m)	5	1	0.02	0.01	16
	6622 100.5-101.5m (1.0m)	5	0	0.005	0.01	26
107.6-121.8m	<u>TOURMALINIZED FRAGMENTAL</u> : Black to dark brown (aphanitic tourmalinite) clasts are generally rounded to subangular and range in size from pebble to coarse grit. Clasts are widely scattered and matrix supported. Widely scattered specks of ZnS and po. The tourmalinite is cut by late silicified-muscovite fractures which host PbS, ZnS and po. These fractures cut core at 37°. Near the top of the tourmalinite unit clasts are generally tourmalinized - as is the matrix. Lower in the unit clasts are mainly quartzite in a tourmalinite matrix and generally subangular to sharply angular. Rare clasts are 5cm in size. Fine crystals of muscovite are very widely scattered throughout. SAMPLE 6623 111.8-113.2m (1.4m) - quartz, lesser calcite, garnet-biotite hosts widely scattered patches of coarsely crystalline po, PbS and ZnS. Vein cuts core at 22°. At 115.5-126.0m small quartz veins hosting PbS, ZnS, po and rare cpy. The veins are rarely more than 5cm thick and cut core at angles of 44° and to a lesser degree at 22° to core.	10	51	1.31	1.05	125
121.8-134.0m	<u>FRAGMENTAL</u> : Partly tourmalinized matrix. Clast size, shape and distribution as above.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
134.0-160.0m	<u>FRAGMENTAL</u> : Albitized in part and silicified in part. Clasts are rarely more than pebble size, generally grit sized, rounded to sharply angular. Clasts widely scattered through matrix. Pale pink subhedral garnets and muscovite are abundant throughout. Fine green muscovite is patchy throughout. At 140.0-148.8m calcite-muscovite-sulfide flooded in bands up to a meter thick, in wisps and larger irregular patches. ZnS, PbS, po is strongly to weakly disseminated through section but is most abundant where associated with calcite flooding - muscovite alteration zones. At 142.7-143.0m barren ribbon structured quartz-chlorite vein cuts core at 60°.					
	SAMPLE					
	6624 137.7-138.7m (1.0m)	5	2	0.02	0.02	33
	6625 138.7-139.7m (1.0m) - weakly disseminated po, rare PbS-ZnS	5	8	0.22	0.26	74
	6626 139.7-140.7m (1.0m) - weakly disseminated po, rare PbS-ZnS	5	4	0.14	0.10	47
	6627 140.7-141.7m (1.0m) - weakly disseminated po, rare PbS-ZnS	5	2	0.11	0.16	29
	6628 141.7-142.7m (1.0m) - weakly disseminated po, rare PbS-ZnS, one 5cm band of nearly massive sulfide	5	2	0.11	0.16	83
	6629 142.7-144.0m (1.3m) - weakly disseminated po, rare PbS-ZnS, one 5cm band of nearly massive sulfide	5	1	0.05	0.02	37
	6630 144.0-145.0m (1.0m) - contains 50cm of nearly massive sulfides in calcite flooded muscovite zone, contact cuts core at 44°.	5	13	0.37	1.18	256
	6631 145.0-146.0m (1.0m) - as above but a 20cm thick nearly massive zone of muscovite, calcite, sulfide zone which cuts core at 45° - zone has good FeS, PbS, ZnS	5	6	0.21	0.19	149
	6651 146.0-147.0m (1.0m)	5	4	0.16	0.18	36
	6632 147.0-148.0m (1.0m) - mainly calcite flooded muscovite, biotite and sulfide. Good ZnS near top of interval cuts core at 51°.	5	3	0.11	0.60	231
	6633 148.0-149.0m (1.0m) - weakly disseminated PbS, ZnS, FeS	5	1	0.08	0.04	50
	From 149.0-160.0m weakly disseminated PbS, ZnS, FeS throughout. Some higher grade patches associated with calcite, muscovite alteration.	5	1	0.08	0.04	50
160.0-181.6m	<u>QUARTZITE</u> : Mottled bluish gray, white, pinkish white, massive, no visible bedding. Totally silicified and albitized, generally garnetiferous. Po, ZnS and PbS are weakly disseminated throughout.					
	SAMPLE					
	6634 179.3-180.0m (0.7m) - abundant disseminated po and ZnS. Cuts core at 20°	5	2	0.04	0.18	242
181.6-185.0m	<u>MASSIVE ALBITIZATION</u> : With scattered small irregular patches of calcium carbonate and coarsely crystalline muscovite. Orange garnets and disseminated po are both widely scattered. At 182.5-182.7m very heavily disseminated euhedral Aspy and lesser ZnS.					
185.0-236.5m	<u>GARNETIFEROUS CALCITE-MUSCOVITE FLOODED QUARTZITE</u> : Mainly 50 to 60% calcite and muscovite, 40 to 50% quartzite, mottled bluish gray and white, no visible bedding. Rare biotite and very rare tourmaline needles also occur. Sulfides, mainly po lesser ZnS, occur weakly disseminated throughout. At 188.0-190.0m massive albitization and at 205.0-206.0m massive albitization with minor patches of calcite-muscovite alteration.					
	SAMPLE					
	6635 184.8-185.8m (1.0m) - massive calcite-muscovite flooded, weak disseminated sulfides	5	0	0.02	0.03	33
	6636 194.7-195.7m (1.0m) - massive calcite-muscovite flooded, weak disseminated sulfides	5	1	0.03	0.05	50

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
	6637 200.2-201.2m (1.0m) - massive calcite-muscovite flooded, weak disseminated sulfides	160	5	0.18	0.02	56
	6638 211.0-212.0m (1.0m) - weak to moderately disseminated ZnS, Aspy, PbS and po	5	3	0.11	0.03	32
	6639 212.0-213.0m (1.0m) - weak to moderately disseminated ZnS, Aspy, PbS and po.	5	3	0.08	0.05	91
	6640 213.0-214.0m (1.0m) - weak to moderately disseminated ZnS, Aspy, PbS and po.	5	1	0.02	0.09	93
	6641 214.0-215.0m (1.0m) - generally weakly disseminated sulfides with small patches of heavily disseminated mainly po, ZnS, Aspy and PbS.	5	1	0.02	0.04	58
	6642 215.0-216.0m (1.0m) - as above	5	1	0.03	0.02	68
	6643 216.0-217.0m (1.0m) - as above	5	3	0.05	0.03	40
	6644 217.0-218.0m (1.0m) - as above	5	1	0.03	0.06	33
	6645 218.0-219.0m (1.0m) - as above	5	0	0.02	0.04	40
	6646 219.0-220.0m (1.0m) - as above	40	1	0.05	0.03	54
	6647 220.0-221.0m (1.0m) - as above	5	1	0.03	0.07	90
	6648 221.0-222.0m (1.0m) - as above	30	3	0.13	0.26	139
	6649 222.0-223.0m (1.0m) - as above	20	2	0.09	0.20	111
	6650 228.0-229.0m (1.0m) - calcite flooded garnetiferous albite with weak disseminated PbS, ZnS, AsS, FeS.	5	1	0.02	0.10	35
	At 223.0-234.0m calcite flooded garnetiferous albitized quartzite. Rare blebs of unaltered quartzite remain. Generally mottled white, pink and orange-pink. Rock is approximately 60% albite, 10% subhedral pink to orange pink garnet, with very weak disseminated biotite and rare patch of actinolite. PbS, ZnS, po and Aspy are weakly disseminated throughout. Occasionally sulfides form massive blebs or wisps.					
236.5-277.2m	<u>SILTSTONE, MINOR QUARTZITE, WITH SCATTERED THINLY BEDDED INTERCALATED ARGILLITE:</u> Siltstone and quartzite are typically medium to thick bedded, rarely very thick bedded. Argillite interbeds are generally very thin to thin bedded and typically parallel laminated. Bedding is generally sharp and wavy occasionally flat-sharp. Albitization, silicification occurs in bands and patches throughout. Banding is parallel to bedding. Garnets are widely scattered throughout the section. Biotite, muscovite and patchy chlorite is not uncommon. From 258.1-261.5m widely scattered thin dark brown tourmalinite beds. Weakly disseminated po is common throughout section. Locally disseminated PbS, ZnS and po occur with albite-muscovite-calcite altered zones. Bedding to core at 242.0m and at 267.0m is 50°. From 216.5-277.2m argillite interbeds are typically slump structured (soft sediment deformation). At 275.5m two 10cm thick tourmalinite beds host scattered patches of Aspy and po.					
277.2-279.0m	<u>ARGILLITE INTERBEDDED SILTSTONE:</u> Thin to very thin bedded, bedded sharp-flat. Argillite beds slump structured in part. Siltstone beds are parallel laminated by reddish-brown biotite with widely scattered subhedral pink garnets. Widely scattered blebs of po.					
279.0-281.0m	<u>SILTSTONE:</u> Very thick bedded, medium grained, sericitic.					
281.0-282.5m	<u>ARGILLITE:</u> Very thin bedded, generally black and brown. Some of the thin beds have been tourmalinized, bedding is generally flat and sharp.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
282.5-296.0m	<u>QUARTZITE, WITH SOME WIDELY SCATTERED THIN ARGILLITE INTERBEDS:</u> Quartzite, generally thick to very thick bedded, medium to coarse grained with muscovite and small pink subhedral garnets scattered throughout. Argillite is typically very thin bedded and slump structured. Between 288.0-289.0m some thin tourmalinite beds (1cm thick). At 284.6-285.0m quartz-po vein cuts core at 32'.					
296.0-297.0m	<u>SILTSTONE, INTERBEDDED ARGILLITE:</u> Thin to very thin bedded. Siltstone beds are parallel laminated by fine reddish-brown ZnS with scattered subhedral garnet and muscovite. These beds are weakly limy.					
297.0-302.6m	<u>QUARTZITE:</u> Thick to very thick bedded with thin argillite bed tops. Bedding is distinct and wavy. Abundant muscovite and widely scattered subhedral pink garnets.					
302.6-319.5m	<u>QUARTZITE, INTERBEDDED SILTSTONE AND ARGILLITE:</u> Medium to very thin bedded. Quartzite beds typically medium to coarse grained with scattered muscovite and pink garnet. Widely scattered po blebs, some limy patches. Argillite unit generally very thin bedded, typically slump structured. Bedding is sharp and usually flame structured. At 316.3m is a 1cm thick bed of po. Thin wisps and blebs of po commonly found throughout argillite. Bedding to core 45'.					
319.5-323.0m	<u>QUARTZITE:</u> Very thick bedded, medium to coarse grained. Bedding is rare.					
323.0-327.5m	<u>QUARTZITE, INTERBEDDED ARGILLITE:</u> Medium to very thin bedded, bedding is sharp-flat to sharp and wavy. Argillite beds are slump structured in part.					
327.5-331.0m	<u>QUARTZITE:</u> Very thick bedded, no bedding. Lithology and alteration as previously described.					
331.0-334.0m	<u>QUARTZITE, INTERBEDDED ARGILLITE:</u> Thin to very thin bedded, bedding sharp and wavy. Alteration in quartzites and argillites as previously described. Bedding to core 53'.					
334.0-340.5m	<u>QUARTZITE:</u> Thick to very thick bedded, medium to coarse grained, bedding is rare. Alteration as previously described.					
340.5-344.0m	<u>QUARTZITE, INTERBEDDED ARGILLITE:</u> Medium to thin bedded, bedding is sharp and wavy. Argillite beds are strongly slump structured with widely scattered wisps and lenses of po.					
344.0-348.0m	<u>QUARTZITE:</u> Thick to very thick bedded, no visible bedding.					
348.0-357.0m	<u>SILTSTONE, INTERBEDDED ARGILLITE:</u> Medium to thin bedded, bedding is sharp and wavy. Argillite beds are strongly deformed by soft sedimentary slumping. Small lenses and blebs of massive po are common in argillite beds. Siltstone has abundant fine reddish brown biotite and lesser muscovite disseminated throughout. Garnets are widely scattered. At 356.0-356.5m scattered 5mm thick po beds.					
357.0-362.5m	<u>SILTSTONE, INTERBEDDED ARGILLITE:</u> Maroon with white banding, medium to thin bedded, sharp-flat bedding very finely parallel laminated by fine reddish biotite. Argillite interbeds are white and very soft. Po is very weakly disseminated throughout and rarely forms 2mm thick beds. Bedding to core is 53'.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
362.5-373.0m	<u>SILTSTONE</u> : Thick to very thick bedded, rare medium beds of argillite. Bedding planes are rare but are generally flat and sharp. Po is finely disseminated throughout, locally it forms massive lenses up to 5cm thick generally with rare cpy.					
373.0-377.0m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to thin bedded, contacts are sharp and flat. Alteration is as above. Po is disseminated throughout.					
377.0-377.4m	<u>ARGILLITE</u> : Very thin bedded. Light brown finely parallel laminated abundant thin po layers rarely more than 2mm thick. Bedding to core 55'.					
377.4-382.0m	<u>QUARTZITE</u> : Thick to very thick bedded, medium to coarse grained. Po weakly disseminated throughout with rare nearly massive po lenses up to 3cm thick.					
382.0-409.0m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to thin bedded, contacts flat to wavy typically sharp. Thin argillite interbeds are generally slump structured. Some thin argillite interbeds have been totally altered to light green finely crystalline muscovite. Siltstone beds are generally silicified, biotitic and muscovitic with widely scattered pink garnets. Po is disseminated through the interval. It occurs as weak disseminations, as irregular massive lenses and beds up to 5cm thick or as widely scattered blebs up to 3mm in size. Rare crystals of ZnS also occur with massive po lenses. At 408.7-408.9m thin beds of tourmalinite (1cm thick) interbedded with thin brown argillite beds. Very thin layers of Aspy with very tiny specks of ZnS.					
409.0-410.0m	<u>SILTSTONE</u> : Very thick bedded. Biotitic and muscovitic with disseminated po.					
410.0-410.4m	<u>APHANITIC TOURMALINITE</u> : Very thin bedded, with wispy po-Aspy layers. Some widely scattered whitish euhedral garnets.					
410.4-412.2m	<u>SILTSTONE</u> : Very thick bedded. Scattered garnets, muscovite and biotite, partly tourmalinized. Some very weakly disseminated ZnS.					
412.2-413.2m	<u>TOURMALINITE</u> : Massive, aphanitic, scattered euhedral white garnets. Rare very thin quartz filled fractures. Patches of relatively good disseminated po, ZnS and lesser Aspy. Bedding to core 55'.					
413.2-413.4m	<u>SILTSTONE</u> : Thin to very thin bedded.					
413.4-413.8m	<u>APHANITIC TOURMALINITE</u> : Very thin bedded, thin wispy laminated. Scattered thin muscovite bands, Aspy, po and ZnS in thin scattered band, rarely more than 3mm thick, plus weakly disseminated ZnS.					
413.8-417.0m	<u>SILTSTONE</u> : Very thick bedded, medium to coarse grained, no visible bedding. Strongly biotitic and muscovitic. Rare paper thin calcite-ZnS lined fractures.					
417.0-418.7m	<u>APHANITIC TOURMALINITE, INTERBEDDED TOURMALINIZED SILTSTONE</u> : Thin to very thin bedded. Weakly disseminated Aspy, po and ZnS.					
418.7-419.9m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to very thin bedded. Bedding sharp-flat.					
419.9-420.5m	<u>APHANITIC TOURMALINITE, INTERBEDDED TOURMALINIZED SILTSTONE</u> : Thin to very thin bedded, slump structured in part, scattered muscovite and garnet. Po, Aspy and ZnS occur as weak disseminations and as thin beds from 1 to 3mm thick.					
420.5-422.0m	<u>SILTSTONE</u> : Thick bedded to very thick bedded. Alteration as previously described.					
422.0-432.7m	<u>APHANITIC TOURMALINITE, INTERBEDDED TOURMALINIZED SILTSTONE</u> : Medium to very thin bedded, contacts (bedding) are sharp-flat to wavy soft sediments. Slump structures are abundant. Very thin brown argillite interbeds are scattered throughout the section. These beds are typically soft and may be composed mainly of brown biotite. Thin white to bluish white very fine grained quartzite beds are scattered throughout the section.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
	These beds typically host disseminated ZnS. Siltstone interbeds are generally coarse grained, tourmalinized to partly tourmalinized, generally biotitic with lesser muscovite. Subhedral pink garnets scattered throughout. Aphanitic tourmaline beds are generally very thin, commonly parallel laminated or slump structured. These beds form continuous sequences from 1 to 50cm thick. Scattered small white euhedral garnets are common in tourmalinite beds. ZnS occurs in very wide scattered bedding parallel bands and as weak disseminations in tourmalinite. Aspy and po occur as fine disseminations, scattered blebs and crystals throughout the section. Also as scattered thin bands parallel to bedding.					
	SAMPLE					
	6652 422.5m	5	4	0.06	0.44	58
	6653 431.0m	5	1	0.02	0.02	32
432.7-435.5m	<u>QUARTZITE</u> ; Very thick bedded, medium to coarse grained, no visible bedding, biotitic and muscovitic. Scattered pink garnets. Very weak disseminated po.					
435.5-440.7m	<u>APHANITIC TOURMALINITE INTERBEDDED</u> : Same as described between 422.0-432.7m.					
440.7-443.1m	<u>QUARTZITE</u> : Very thick bedded, medium to coarse grained. Altered as from 432.7-435.5m.					
443.1-450.0m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to very thin bedded. Bedding is sharp and flat. Rare wavy slumped argillite beds. Alteration is as previously described. Widely scattered thin tourmalinite beds. Some disseminated po and rare ZnS. Bedding to core is 50'.					
450.0-451.5m	<u>SILTSTONE</u> : Very thick bedded, medium grained. Some scattered rip-up clasts near base of unit. No distinct bedding. Biotitic with scattered subhedral pink garnets.					
451.5-465.0m	<u>ARGILLITE, INTERBEDDED LESSER SILTSTONE</u> : Argillite beds are generally black, very thin bedded with scattered po-Aspy lamina rarely more thin, 3mm thick. Some of the argillite beds are totally tourmalinized. 452.5-452.7m tourmalinite hosts disseminated ZnS. 454.0-454.3m tourmalinite. Slump structures are abundant in argillite beds. Siltstone beds are typically biotitic, muscovitic with scattered pink garnets. Some patchy chloritization. Po, Aspy and lesser ZnS occur throughout the section as thin beds, as disseminations and as very widely scattered massive po clasts(?)					
465.0-466.4m	<u>SILTSTONE</u> : Medium to thin bedded, very fine grained, sharp-flat bedding. Finely parallel laminated mainly by reddish brown biotite. Strongly silicified, widely disseminated po throughout.					
466.4-467.9m	<u>TOURMALINITE</u> : Massive, no distinct bedding. Widely scattered po blebs, very good Aspy at 467.9m. Bedding to core is 54'.					
467.9-478.8m	<u>SILTSTONE</u> : As described between 465.0 and 466.4m.					
478.8-482.2m	<u>GABBRO SILL</u> : Very fine-grained.					
482.2-486.2m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to very thin bedded. Siltstones very fine-grained with abundant fine reddish brown biotite. Bedding sharp-flat occasionally flame structured. Spotty silicification and chloritization.					
486.2-490.0m	<u>SILTSTONE</u> : Thick to very thick bedded, fine to medium grained, bedding indistinct.					
490.0-495.0m	<u>ARGILLITE, MINOR SILTSTONE INTERBEDS</u> : Very thin bedded, flat-sharp bedding planes. Finely parallel laminated commonly by reddish brown biotite. Some thin zones of soft sediment deformation. Abundant finely disseminated po generally in very thin bands parallel to bedding.					
495.0-496.7m	<u>SILTSTONE</u> : Thick to very thick bedded, medium to coarse grained, no visible bedding. Generally biotitic with scattered muscovite and garnets.					

METERAGE FROM TO	DESCRIPTION	Au ppm	Ag ppm	Zn ppm	Pb ppm	Cu ppm
496.7-501.0m	<u>ARGILLITE INTERBEDDED SILTSTONE</u> : Medium to very thin bedded, sharp-flat bedding, commonly parallel laminated by biotite. Some scattered garnets in siltstone beds. Bedding to core is 57°.					
501.0-504.5m	<u>SILTSTONE</u> : Thick to very thick bedded, medium grained, bedding indistinct. Biotitic with scattered muscovite and subhedral pink garnets. Very weakly disseminated po.					
504.5-510.8m	<u>ARGILLITE, INTERBEDDED SILTSTONE</u> : Medium to very thin bedded, bedding planes sharp, commonly wavy. Argillite generally slump structured. Siltstones generally biotitic with scattered muscovite and garnet. *504.5-507.0m <u>FRAGMENTAL</u> , tourmalinized in part. Widely scattered tourmalinite clasts and some small po clasts.					
510.8-512.8m	<u>TOURMALINIZED ARGILLITE INTERBEDDED SILTSTONE</u> : Thin to very thin bedded. Tourmalinite beds are typically very thin, commonly parallel laminated by fine po (lamina from 1 to 3mm thick). White subhedral to euhedral garnets widely scattered throughout. Small po blebs also scattered throughout. Siltstone beds form less than 20% of the section. Some are tourmalinized and some are biotitic and weakly chloritic. SAMPLE 6654 511.9m - sulfide banded tourmalinite.	5	0	0.005	0.05	57
512.8-513.5m	<u>ARGILLITIC INTERBEDDED SILTSTONE</u> : Very thin bedded, bedding sharp-flat. Some scattered pink garnets and po blebs.					
513.5-516.9m	<u>SILTSTONE</u> : Very thick bedded, bedding is indistinct. Generally biotitic with scattered garnets and muscovite.					
516.9-530.5m	<u>TOURMALINIZED ARGILLITE, INTERBEDDED SILTSTONE</u> : Medium to very thin bedded, bedding flat to wavy-sharp. Section is similar to that between 510.8-517.8m. At 521.2m 20cm bed of tourmalinized fragmental. Very widely scattered thin (2 to 10mm thick) quartz-chloritite-po veins cut core at 27°. SAMPLE 6655 520.0m	5	0	0.02	0.02	120
530.5-534.4m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to thin bedded, bedding generally sharp and flat.					
534.4-535.4m	<u>TOURMALIZED SILTSTONE</u> : Medium bedded. Rare tourmaline clasts and rare po clasts.					
535.4-565.0m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to thin bedded, bedding generally flat-sharp. Alteration is generally as previously described. At 539.0-540.8m siltstone finely banded by biotite and chlorite. Bedding to core at 543.0m is 54°.					
565.0-568.0m	<u>SILTSTONE</u> : Very thick bedded, fine grained, no visible bedding, strongly silicified. Abundant fine black biotite with widely scattered subhedral pink garnet.					
568.0-579.4m	<u>QUARTZITE</u> : Medium to thick bedded, fine to medium grained, bedding is distinct. Strongly silicified, scattered subhedral pink garnet and muscovite. Bedding to core is 47°. Some patchy albitization.					
579.4-596.3m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to very thin bedded, bedding generally flat-sharp. Scattered thin intervals of soft sediment deformation. At 583.0-585.0m strongly albitized with argillite interbeds.					
596.3m	END OF HOLE  Core is stored in racks at the Vine property.					

*Core Z Pulsion*



PROPERTY: FORS

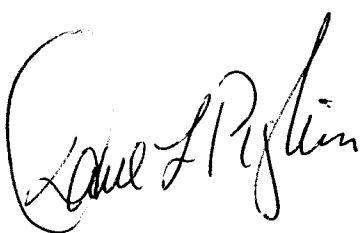
HOLE NO.: F92-3

COMMENCED: 12/02/92		LOCATION: PUMA 1	CORR. DIP: -90°			
COMPLETED: 12/16/92		ELEVATION:	COLLAR DIP:			
LOGGED BY: D. Pighin		LENGTH: 457.9m	AZIMUTH:			
DATE LOGGED: 12/03/92-12/17/92		CORE SIZE: NQ	TESTS:			
		HOR. COMP:	VERT. COMP.:			
METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0-1.5m	CASING - NO CORE					
1.5-8.2m	QUARTZITE: Thick to very thick bedded, coarse grained and vuggy. Generally limonitic throughout.					
8.2-10.0m	ARGILLITE: Very thin bedded, very light tannish gray, very soft and very finely parallel laminated. Some very thin coarse sand interbeds.					
10.0-20.3m	QUARTZITE: Thick to very thick bedded, medium to coarse grained, bedding is rare but is distinct and usually wavy. Po, lesser PbS and ZnS is weakly disseminated throughout. Good disseminated Zn-Pb at 14.2-14.6m. Good disseminated Zn-Pb at 18.7-19.4m. At 18.7m thin 1cm thick sulfide filled fracture cuts core at 4'.					
20.3-22.0m	ARGILLITE: Thin to very thin bedded, light greenish white probably due to fine muscovite alteration. Very thin silty interbeds. Abundant thin po beds rarely more than 3mm thick. Bedding to core is 82°.					
22.0-66.0m	QUARTZITE: Thick to very thick bedded, generally medium to coarse grained. Po, lesser ZnS and PbS, is weakly disseminated through section with local zones of 10 to 20cm of heavy sulfides. From 22.0-22.6m good disseminated Pb-Zn. At 33.0m thin sulfide filled fracture cuts core at 8'. At 60.5-66.0m abundant po, lesser ZnS and rare PbS. Po occurs as massive blebs and wispy bands up to 4mm thick, forms 10% by volume. Muscovite scattered throughout.					
66.0-68.2m	ARGILLITE, INTERBEDDED SILTY ARGILLITE: Whitish gray, very thin bedded, parallel laminated by thin po. Minor ZnS beds between 2mm and 5mm thick. Po and ZnS also occur as blebs and fine disseminations. Bedding to core is 65°.					
	SAMPLE					
	6656 66.0-67.0m (1.0m)	5	0	0.02	0.02	81
	6657 67.0-67.7m (0.7m)	5	0	0.01	0.007	87
	6658 67.7-68.2m (0.5m)	5	2	0.19	0.32	98
68.2-70.3m	QUARTZITE: Very thick bedded, no visible bedding. Abundant patches and bands of coarsely crystalline biotite and lesser muscovite host abundant disseminated po, minor ZnS.					
70.3-71.5m	ACTINOLITE-BIOTITIC QUARTZITE: Unit is composed mainly of massive coarsely crystalline actinolite and biotite with remnant patches of unaltered quartzite.					
	SAMPLE					
	6659 70.3-71.5m (1.2m)	5	3	0.17	0.12	64

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
71.5-73.2m	<u>SILTSTONE</u> : Very thick bedded, no bedding. Fine muscovite and biotite throughout with irregular patches of coarsely crystalline biotite and actinolite. These are weakly limy. ZnS, PbS and po are weakly disseminated throughout but are relatively strongly disseminated in the actinolite alteration zones. SAMPLE					
	6660 71.5-72.5m (1.0m)	5	0	0.01	0.04	29
	6661 72.5-73.2m (0.7m)	5	0	0.02	0.03	24
73.2-81.8m	<u>SILTSTONE WITH SCATTERED BANDS OF BLACK TOURMALINITE</u> : Very thick bedded. Tourmalinite and siltstone beds appear to be brecciated and healed by coarsely crystalline actinolite and biotite. Actinolitic alteration zones are limy. ZnS, PbS and po are weakly disseminated throughout interval. 80.8-81.8m best mineralization in zone. Mainly coarsely crystalline actinolite, biotite and muscovite. SAMPLE					
	6662 80.8-81.8m (1.0m)	5	4	0.16	0.15	105
81.8-84.7m	<u>QUARTZITE</u> : Very thick bedded, no bedding, medium grained. Albitized with scattered biotite and actinolite rosettes. At 85.5m 1cm thin band of coarsely crystalline ZnS.					
84.7-90.5m	<u>TOURMALINIZED SILTSTONE</u> : No bedding, cut by numerous irregular patches of biotite, muscovite and actinolite which is typically limy. Rare ZnS and PbS in this interval.					
90.5-91.6m	<u>ALBITIZED? ARGILLITE</u> : Massive, pinkish tan. Actinolite rosettes disseminated throughout. Some limy actinolite alteration patches. These generally have abundant ZnS, see from 90.5-90.7m and at 90.6m.					
91.6-96.2m	<u>FRAGMENTAL</u> : Tourmalinized in patches up to a meter thick. Irregular veinlets and patches of biotite, muscovite, actinolite and minor calcite scattered throughout. Clasts are abundant and range in size from cobble to grit. They are rounded to angular in shape. The clasts are generally matrix supported but locally can be clast supported. Sulfides are rare. SAMPLE					
	6663 96.2-97.2m (1.0m)	5	16	0.51	0.25	16
96.2-100.0m	<u>FRAGMENTAL</u> : Biotite, actinolite, albite and lesser muscovite forms the matrix. Clasts are mainly albitized sediments and argillite. PbS, ZnS, Aspy and po are generally weakly disseminated throughout altered matrix but locally can be heavily disseminated. 95.0-95.7m barren white quartz vein cuts core at 14'. SAMPLE					
	6664 97.2-98.2m (1.0m)	5	13	0.37	0.05	7
	6665 98.2-99.2m (1.0m)	5	23	0.72	0.14	6
	6666 99.2-99.5m (0.3m)	5	13	0.42	0.03	5
100.0-164.0m	<u>FRAGMENTAL: INTENSELY TOURMALINIZED</u> . Tourmalinite is black to tannish brown. Clasts are abundant, mainly pebble to grit size with some larger cobble sized clasts. Clasts consist mainly of tourmalinite and siltstone, with some Pb-Zn bearing actinolite-carbonate clasts. Calcite, tremolite, biotite in small irregular patches, veinlets and isolated crystals are widely scattered throughout. PbS, ZnS and po typically occur with the calcite-biotite etc. alteration. 1cm thick widely scattered ZnS-PbS-quartz veins cut core at 9'. 107.0-125.0m - sulfides rare. 112.2m - some scattered very small crystals of Aspy. 115.5m - small quartz clasts have ZnS and PbS. 113.4m - small irregular fracture has Pb-Zn.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
	122.5m fragmental becomes clast supported. Clasts here are dominately pebble sized, rounded, subrounded and sharply angular. The clasts are mainly tourmalized siltstone with small white typically angular clasts. 120.0-121.5m barren smoky quartz vein cuts core at 15°. 124.5-126.0m barren smoky quartz vein cuts core at 6°. 125.0-126.0m scattered cobble sized clasts mainly tourmalized siltstone. Some of the clasts in this zone are fragmental.					
	GRAB SAMPLES					
	6667 118.9-119.0m (0.1m) - brown tourmalinite	5	0	0.005	0.005	6
	6668 125.3-125.4m (0.1m) - smoky quartz	5	0	0.005	0.005	3
	6669 131.1-131.2m (0.1m) - black tourmalinite fragmental with disseminated Aspy and rare ZnS	5	1	0.01	0.005	8
	6670 132.2-132.3m (0.1m) - black tourmalinite fragmental with disseminated Aspy and rare ZnS	5	0	0.005	0.005	13
	6671 134.0-134.1m (0.1m) - black siltstone fragmental with disseminated Aspy and rare ZnS	5	0	0.005	0.005	22
	6672 136.1-136.2m (0.1m) - black tourmalinite fragmental with disseminated Aspy and rare ZnS	5	1	0.02	0.005	5
	6673 138.2-138.4m (0.2m) - siltstone fragmental with tourmaline clasts, disseminated Pb, Zn, As	5	2	0.03	0.005	4
	6674 140.8-140.9m (0.1m) - black tourmalized fragmental, disseminated As	5	0	0.01	0.005	5
	131.0-141.5m mainly black tourmalized fragmental. Abundant clasts ranging from pebble to cobble in size, rounded to sharply angular. Aspy, lesser PbS and rare ZnS are relatively abundant in this section. The sulfides occur in irregular silicified quartzite patches in fragmental matrix. Aspy also occurs widely disseminated in the tourmalinite. Rare quartzite clasts contain abundant disseminated Aspy and PbS. 141.5-145.5m - po is the dominant sulfide. At 136.7m - 1cm thick quartz-PbS-ZnS vein cuts core at 15°. At 139.0m - 1cm thick quartz-po-PbS-Aspy vein cuts core at 70°. 151.0-164.0m - tourmalinite becomes brown.					
164.0-172.0m	<u>SILTSTONE</u> : Very thick bedded, medium grained, no bedding. Very rare small tourmalinite clasts. From 168.0-172.0m unit is partly tourmalized.					
172.0-174.0m	<u>TOURMALINIZED FRAGMENTAL</u> : At 173.5 large irregular shaped quartzite clast, 4cm x 10cm, well mineralized by ZnS, PbS and po.					
174.0-190.5m	<u>FRAGMENTAL WITH SILTSTONE MATRIX</u> : Abundant pebble to cobble sized clasts. Clasts are generally matrix supported, rounded to sharply angular. Within this section there are widely scattered quartzite clasts well mineralized by disseminated ZnS, PbS and po. Abundant muscovite developed in this zone.					
190.5-194.0m	<u>TOURMALINIZED FRAGMENTAL</u> : Brown tourmalinization. Clasts in this section are widely scattered, generally small, rounded and sharply angular.					
194.0-196.0m	<u>FRAGMENTAL</u> : Mainly quartzite with widely scattered rounded to sharply angular clasts ranging in size between pebble and grit. Fine muscovite throughout matrix. Clasts are typically altered to very fine crystalline muscovite.					
196.0-197.5m	<u>TOURMALINIZED FRAGMENTAL</u> : Clasts are mainly pebble size. Rounded to angular clasts appear to be quartzite and tourmalized quartzite. Many of the clasts host disseminated po and lesser PbS, rare ZnS. Very small pink garnets scattered throughout.					
197.5-200.0m	<u>FRAGMENTAL</u> : Mainly siltstone with scattered siltstone clasts, pebble to cobble size. Rare tourmalized patch.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
200.0-205.5m	<u>SLUMP STRUCTURED MIXED ARGILLITE AND SILTSTONE</u> : Generally muscovitic with scattered patches of biotite. Widely scattered subhedral garnets. Rare clasts, widely scattered blebs of po.					
205.5-213.0m	<u>TOURMALINIZED FRAGMENTAL</u> : Brown. Abundant clasts, pebble to grit in size, rounded to sharply angular and are mainly matrix supported. Abundant tiny subhedral white to light pink garnets scattered throughout. Po and rare ZnS commonly disseminated in clasts. From 210.0-213.0m ZnS is relatively abundantly disseminated in some of the clasts and weakly disseminated locally in the matrix.					
213.0-217.5m	<u>FRAGMENTAL</u> : Mainly siltstone matrix with tourmalinite, siltstone and muscovitic argillite clasts. Clasts are mainly pebble size, rounded to sharply angular and are generally clast supported. At 213.4m a large 5cm x 3cm clast has banded ZnS and numerous small nearly massive ZnS clasts. From 213.4-214.0m massive po clasts are common up to 1cm in circumference. 213.0-217.5m ZnS is abundantly disseminated through the matrix and is near massive in many of the clasts. Muscovite is generally scattered throughout the interval, in the matrix and in the clasts. Calcareous patches are also common and some clasts are very limy.					
	SAMPLE					
	6675 213.0-214.0m (1.0m)	5	2	0.05	0.37	41
	6676 214.0-215.0m (1.0m)	5	1	0.04	0.17	43
	6677 215.0-216.0m (1.0m)	5	1	0.02	0.12	50
	6678 216.0-217.5m (1.5m)	5	1	0.03	0.05	27
217.5-219.0m	<u>TOURMALINIZED FRAGMENTAL</u> : Brown. Widely scattered pebble to grit sized clasts. Small white to light pink garnets disseminated throughout. ZnS occurs very weakly disseminated in fragmental matrix. Several clasts of nearly massive ZnS, largest clast 1cm square.					
219.0-233.0m	<u>FRAGMENTAL</u> : Siltstone. Widely scattered rounded to sharply angular clasts. Mainly pebble to grit in size, rare cobble size. The section is generally silicified with scattered pink garnets throughout. Muscovite is widely disseminated. Po and ZnS occur in local weak disseminations. Some clasts have relatively abundant disseminated ZnS.					
233.0-284.3m	<u>SILTSTONE</u> : Medium to thick bedded, medium to fine grained, bedding is distinct, generally wavy, occasionally slump structured. Generally weakly biotitic with widely scattered muscovite. Some widely scattered subhedral pink garnets. Bedding to core at 233.0m is 78°; at 251.0m is 88°; at 279.5m is 80°. 237.8-238.2m - aphanitic tourmalinite. A fragmental unit 10cm thick marks upper contact hosts po and rare ZnS. 243.5-249.8m - scattered patches of very weak ZnS disseminations. 250.8-251.1m - muscovitic-chloritic argillite unit hosts thin bedding parallel po. Rare ZnS layers 2mm to 100mm thick. At 260.7m - patch of very weak disseminated ZnS. At 279.1m - irregular fracture 1cm thick filled by po cuts core subparallel to bedding.					
284.3-287.7m	<u>ARGILLITE INTERBEDDED SILTSTONE</u> : Thin bedded to very thin bedded, contacts sharp and flat. Siltstone interbeds generally very biotitic, some soft-sediment deformation. Po weakly disseminated and occasionally as massive blebs. Bedding to core is 81°.					
287.7-290.0m	<u>QUARTZITE</u> : Very thick bedded, medium to coarse grained. Weakly disseminated muscovite throughout. Rare massive blebs of po.					
290.0-292.0m	<u>ARGILLITE, INTERBEDDED SILTSTONE</u> : Thin to very thin bedded, distinct and wavy bedded. thin zones of soft sediment deformation. Generally biotitic with rare disseminated po.					
292.0-358.0m	<u>SILTSTONE, MINOR ARGILLITE INTERBEDS</u> : Medium to thick bedded, bedding distinct-wavy to slump structured, generally medium to coarse grained beds. Widely scattered subhedral pink garnets. Po is generally very weakly disseminated throughout section. Bedding at 311.0m is 81° to core. 330.0-330.7m tourmalinized siltstone.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
	At 345.4m - 5cm band of slump structured tourmalinized argillite. 348.0-348.4m - quartzite, coarse grained abundant disseminated muscovite and garnet with weakly disseminated ZnS. At 350.0m bedding to core is 80°.					
358.0-372.5m	<u>ARGILLITE INTERBEDDED SILTSTONE</u> : Medium to very thin bedded. Argillite beds are generally very thin bedded, very fine grained and brownish gray. Rare po bed 2mm to 100mm thick. Bedding is sharp and generally wavy. Some beds are slump structured. Widely scattered thin calcite veins cut core at 13°.					
372.5-401.0m	<u>SILTSTONE, INTERBEDDED ARGILLITE</u> : Medium to very thin bedded, bedding flat sharp. Abundant reddish brown biotite with scattered subhedral pink garnets. Weakly disseminated po throughout. Bedding to core is 83° at 401.0m. At 399.7-400.0m thinly bedded tourmalinite.					
401.0-417.3m	<u>SILTSTONE WITH THIN ARGILLITE TOPS</u> : Medium to thick bedded, bedding wavy-distinct abundant reddish brown biotite with scattered muscovite and garnet.					
417.3-419.5m	<u>SILTSTONE INTERBEDDED ARGILLITE</u> : Medium to thin bedded, bedding sharp, contact flat, locally wavy. Numerous thin, 1-2cm thick, tourmalinite beds. Some of these beds are strongly slump structured. Po is weakly disseminated throughout this section. Black biotite is abundant.					
419.5-429.0m	<u>SILTSTONE</u> : Thin argillite tops, medium to thick bedded, bedding indistinct, commonly wavy. Reddish and black biotite abundant. 423.6-424.7m - quartz-actinolite zone cuts core at 9°. Hosts po and weakly disseminated ZnS. 424.7-426.5m - strongly biotitized zone with widely scattered thin bands of tourmalinite. 426.5-429.0m - scattered thin fractures lined by actinolite generally with weakly disseminated ZnS.					
429.0-435.2m	<u>SILTSTONE INTERBEDDED ARGILLITE WITH ABUNDANT THIN TOURMALINITE INTERBEDS</u> : From 1-5cm thick. Bedding is sharp and flat. Small white and pink garnets associated with tourmalinite. At 429.4m 10cm thick muscovitic breccia zone hosts weak Pb-Zn. Bedding to core 90° at 435.2m.					
435.2-445.0m	<u>SILTSTONE</u> : Thick to very thick bedded, bedding distinct and wavy. Disseminated reddish brown biotite with widely scattered muscovite through section.					
445.0-457.9m	<u>SILTSTONE INTERBEDDED ARGILLITE</u> : Medium to very thin bedded, bedding is generally flat and sharp with some local wavy bedding. Alteration is as above. At 457.0m bedding is 88° to core.					
457.9m	END OF HOLE  Core is stored in racks at Vine property.					
						

APPENDIX II  
ASSAY RESULTS

# ROSSBACHER LABORATORY LTD.

## CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,  
British Columbia, Can. V5B 3N1  
Ph:(604)299-6910 Fax:299-6252

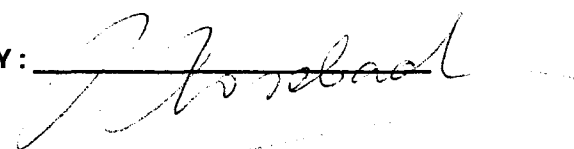
To : RAMROD GOLD CORP.,  
1440-625 HOWE STREET  
VANCOUVER, B.C.

Project: FORS  
Type of Analysis: ICP

F92-2

Certificate: 92447 I  
Invoice: 40042  
Date Entered: 92-11-25  
File Name: RAM92447.I  
Page No.: 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPB CR	% MC	PPM BA	% TI	% AL	% NA	% K	% SI	PPM W	PPM BE	PPB AU AA
A	6575	1	92	1791	892	2.3	15	10	185	3.74	2	5	ND	ND	5	4	1	3	4	0.23	0.04	19	16	0.24	94	0.05	0.69	0.01	0.56	0.06	10	1	5
A	6576	1	114	2703	2197	2.7	16	11	407	4.84	14	5	ND	ND	26	12	1	1	7	0.57	0.03	13	27	0.59	93	0.05	1.15	0.01	0.59	0.08	3	1	5
A	6577	1	83	1534	1365	1.8	18	12	285	4.91	2	5	ND	ND	6	8	1	1	5	0.51	0.03	18	14	0.36	117	0.05	0.81	0.01	0.59	0.07	4	1	5
A	6578	1	58	2047	2217	2.3	14	7	272	3.45	2	5	ND	ND	10	13	1	1	4	0.43	0.05	13	21	0.33	96	0.04	0.80	0.01	0.48	0.08	2	1	5
A	6579	1	51	549	865	0.6	8	6	625	3.34	2	5	ND	ND	79	5	1	1	16	1.50	0.05	12	51	0.97	103	0.08	2.68	0.14	0.88	0.11	7	2	5
A	6580	1	53	2129	8298	2.5	6	11	276	2.80	754	5	ND	ND	18	50	10	1	6	0.42	0.04	8	30	0.38	80	0.04	0.83	0.01	0.35	0.08	1	1	10
A	6581	2	42	1979	2693	2.3	8	12	439	2.38	1296	5	ND	ND	132	18	29	1	10	1.90	0.03	6	64	0.60	50	0.04	2.54	0.11	0.21	0.11	8	1	20
A	6582	1	43	835	1366	1.0	14	13	726	2.69	3039	5	ND	ND	119	9	70	1	20	1.87	0.04	8	51	0.95	198	0.07	2.72	0.10	0.69	0.12	8	1	90
A	6583	1	47	796	379	1.0	10	7	1097	3.70	12	5	ND	ND	93	2	6	2	27	1.10	0.05	11	56	2.01	290	0.12	3.06	0.12	1.60	0.11	6	1	5
A	6584	1	83	762	1121	1.0	4	7	651	5.04	3	5	ND	ND	51	7	3	1	9	2.02	0.06	18	19	0.94	78	0.08	1.10	0.02	0.40	0.11	7	1	5
A	6585	1	16	5902	1491	8.5	1	1	5849	3.27	26	5	ND	ND	251	11	1	1	18	11.67	0.02	1	11	6.14	279	0.10	2.90	0.03	4.12	0.03	1	2	20
A	6586	1	30	3092	3313	4.4	2	10	7818	4.19	8950	5	ND	ND	432	21	91	1	21	13.74	0.01	2	11	8.12	153	0.07	2.22	0.03	2.00	0.02	1	2	5
A	6587	1	22	1854	5058	3.2	1	1	5857	2.57	1092	5	ND	ND	341	33	1	1	21	14.08	0.01	3	11	7.02	150	0.09	2.47	0.03	3.14	0.02	1	2	5
A	6588	2	7	19210	553	47.2	1	1	4221	1.40	156	5	ND	ND	214	8	8	193	10	10.11	0.01	3	8	4.42	127	0.07	1.94	0.03	2.34	0.04	1	1	5
A	6589	1	4	602	274	1.1	1	1	2800	1.91	14	5	ND	ND	83	2	3	7	15	4.50	0.02	3	14	5.07	198	0.12	3.16	0.02	4.90	0.06	5	1	5
A	6590	2	2	96	396	0.8	7	5	2040	2.96	9	5	ND	ND	28	2	9	1	31	1.60	0.03	7	24	7.94	280	0.14	4.88	0.02	8.60	0.08	14	2	5
A	6591	1	2	37	454	0.6	8	9	1593	3.31	2	5	ND	ND	4	1	8	1	34	0.14	0.03	6	27	8.75	349	0.15	5.44	0.03	>10%	0.08	9	2	5
A	6592	1	3	27	360	0.4	8	6	1530	2.87	4	5	ND	ND	4	1	4	1	28	0.16	0.03	14	30	7.10	319	0.16	4.62	0.03	8.40	0.09	7	1	5
A	6593	1	4	10	326	0.1	6	4	1377	2.37	2	5	ND	ND	3	1	1	1	18	0.14	0.03	11	22	5.92	255	0.15	3.87	0.02	6.60	0.07	3	1	5
A	6594	1	2	3	456	0.6	8	9	1839	3.07	2	5	ND	ND	3	2	10	1	29	0.10	0.04	11	27	7.72	364	0.15	5.04	0.03	>10%	0.08	7	1	5
A	6595	1	3	157	341	0.6	4	4	2008	2.50	2	5	ND	ND	28	2	6	4	19	1.93	0.03	12	24	5.26	263	0.14	3.72	0.02	6.90	0.07	5	1	5
A	6596	1	3	354	275	1.2	1	2	1763	2.12	7	5	ND	ND	32	1	1	2	14	2.23	0.03	13	16	4.24	212	0.13	3.27	0.02	4.04	0.08	2	1	5
A	6597	1	1	219	493	1.1	6	18	1911	3.34	3	5	ND	ND	3	1	1	1	24	0.17	0.03	11	22	7.08	351	0.15	4.85	0.02	9.30	0.08	5	1	5
A	6598	1	1	36	473	0.4	3	10	1886	3.14	2	5	ND	ND	7	1	1	1	21	0.34	0.03	11	24	6.27	332	0.16	4.41	0.02	7.60	0.09	2	1	5
A	6599	2	1	87	497	1.0	7	5	2407	4.21	2	5	ND	ND	11	3	5	1	32	0.67	0.05	19	30	6.78	393	0.17	5.19	0.03	>10%	0.06	7	2	5
A	6600	3	32	10070	943	43.8	4	1	483	1.07	2	5	ND	ND	44	8	3	201	4	1.02	0.05	20	19	0.75	31	0.06	1.02	0.02	0.19	0.08	4	1	10
A	6601	1	199	6878	10109	25.9	7	18	666	5.93	2605	5	ND	ND	31	85	15	125	5	2.52	0.03	16	14	0.91	43	0.04	1.19	0.03	0.29	0.10	8	1	5
A	6602	1	52	3255	6204	8.7	12	3	967	3.18	532	5	ND	ND	129	42	4	24	30	1.30	0.04	16	72	1.56	211	0.14	3.29	0.29	1.58	0.08	1	1	5
A	6603	1	36	1947	2213	5.5	14	3	1332	3.57	32	5	ND	ND	58	14	1	22	50	1.03	0.05	16	62	2.02	328	0.17	3.78	0.31	2.40	0.08	4	2	5
A	6604	2	35	1306	1350	3.8	24	4	396	1.87	2861	5	ND	ND	6	9	9	33	18	0.17	0.06	15	40	0.46	68	0.07	0.85	0.14	0.46	0.08	1	1	5
A	6605	1	13	601	57	2.9	14	1	105	0.70	4545	5	ND	ND	8	1	11	35	4	0.11	0.04	9	42	0.12	178	0.02	0.45	0.05	0.26	0.08	1	1	30
A	6606	1	7	194	93	1.0	10	1	501	1.70	9574	5	ND	ND	35	1	31	60	20	2.13	0.02	9	64	0.67	279	0.07	1.11	0.04	0.74	0.06	6	1	50
A	6607	1	15	392	78	2.2	17	1	385	3.10	29225	5	ND	ND	9	1	82	141	27	0.18	0.02	7	83	0.58	225	0.05	0.83	0.06	0.49	0.08	6	1	100
A	6608	1	34	326	3134	2.2	9	1	1020	3.38	5999	5	ND	ND	37	19	20	56	28	0.73	0.03	13	96	1.63	279	0.11	2.71	0.19	1.54	0.09	4	1	60
A	6609	1	64	318	9977	2.4	1	4	3375	7.46	91	5	ND	ND	42	58	6	9	58	2.30	0.04	14	43	5.73	786	0.24	5.99	0.09	8.30	0.09	7	2	5
A	6610	2	20	394	4780	2.2	11	4	1327	2.56	3261	5	ND	ND	59	30	18	15	31	2.23	0.04	17	74	1.79	212	0.09	3.94	0.22	0.88	0.10	8	2	5
A	6611	2	17	707	1485	3.7	8	4	951	1.87	3361	5	ND	ND	107	10	19	35	27	2.73	0.04	9	83	1.17	176	0.07	4.00	0.33	0.98	0.09	12	2	5
A	6612	3	22	98	1124	0.4	9	3	799	1.86	1191	5	3	ND	83	8	10	9	29	2.16	0.04	11	101	1.04	167	0.10	4.04	0.49	1.18	0.10	11	2	5
A	6613	2	23	1354	1354	8.5	7	2	598	1.48	502	5	ND	ND	30	11	11	71	24	3.81	0.04	7	69	0.44	57	0.09	1.23	0.13	0.47	0.06	11	1	5

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# ROSSBACHER LABORATORY LTD.

## CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,  
British Columbia, Can. V5B 3N1  
Ph:(604)299-6910 Fax:299-6252

To: RAMROD GOLD CORP.,  
1440-625 HOWE STREET  
VANCOUVER, B.C.

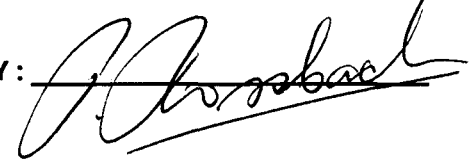
Project: FORS  
Type of Analysis: ICP

F92-2

Certificate: 92450 I  
Invoice: 40049  
Date Entered: 92-12-02  
File Name: RAM92450.I  
Page No.: 1

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FIX		MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	HG	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	AL	NA	K	SI	W	BE	AU	AA
A	6614	1	19	138	1521	0.6	6	2	147	0.62	517	5	ND	ND	10	9	10	2	8	0.10	0.02	3	50	0.12	33	0.04	0.34	0.04	0.19	0.05	4	1	5	
A	6615	1	25	113	725	0.4	4	2	365	1.14	231	5	ND	ND	36	4	6	1	18	0.71	0.02	5	56	0.43	74	0.08	1.59	0.18	0.40	0.17	4	1	5	
A	6616	1	24	43	2086	0.1	5	2	250	1.06	121	5	ND	ND	35	17	6	1	14	1.53	0.02	9	66	0.31	80	0.05	1.09	0.09	0.22	0.11	3	1	5	
A	6617	1	30	245	491	0.7	4	1	545	1.61	78	5	ND	ND	38	2	4	1	17	1.18	0.01	8	62	0.67	126	0.07	1.58	0.05	0.39	0.11	3	1	5	
A	6618	1	20	406	725	1.2	2	2	350	0.82	110	5	ND	ND	17	5	5	4	9	0.72	0.02	5	74	0.41	103	0.06	0.79	0.01	0.17	0.14	3	1	5	
A	6619	1	22	106	334	0.3	5	1	226	0.83	115	5	ND	ND	12	2	1	1	9	0.51	0.01	4	61	0.29	72	0.05	0.68	0.01	0.13	0.10	2	1	5	
A	6620	1	70	1137	102	4.3	6	3	271	2.10	188	5	ND	ND	11	1	7	11	6	0.86	0.01	3	70	0.23	64	0.03	0.64	0.01	0.11	0.18	5	1	5	
A	6621	1	16	151	97	0.7	3	3	209	0.45	885	5	ND	ND	14	1	3	1	3	0.94	0.01	1	59	0.11	93	0.02	0.45	0.01	0.16	0.13	2	1	5	
A	6622	1	26	51	106	0.1	4	2	378	0.93	77	5	ND	ND	23	1	2	1	9	1.28	0.02	7	70	0.31	106	0.05	0.75	0.01	0.21	0.14	3	1	5	
A	6623	1	125	13054	10479	50.8	13	6	1609	6.60	39	5	ND	ND	45	84	9	187	5	4.12	0.01	2	54	0.49	43	0.04	0.75	0.03	0.24	0.14	1	1	10	
A	6624	1	33	178	214	1.8	7	5	122	1.22	276	5	ND	ND	28	2	1	6	7	0.99	0.02	9	69	0.09	47	0.04	1.72	0.07	0.18	0.11	4	1	5	
A	6625	1	74	2182	2573	8.4	8	2	172	2.65	64	5	ND	ND	25	12	1	39	6	1.13	0.02	8	70	0.10	63	0.04	1.74	0.04	0.15	0.16	4	1	5	
A	6626	1	47	1449	1001	3.8	5	4	151	1.66	126	5	ND	ND	38	4	2	14	8	1.20	0.02	8	78	0.10	73	0.05	1.98	0.06	0.17	0.22	4	1	5	
A	6627	1	29	1086	1585	2.0	7	6	114	1.04	537	5	ND	ND	55	7	1	3	6	1.23	0.02	9	83	0.09	65	0.04	1.79	0.06	0.19	0.19	3	1	5	
A	6628	1	83	1055	1630	2.1	14	6	129	5.49	661	5	ND	ND	24	5	1	4	3	0.69	0.02	11	61	0.06	74	0.03	1.20	0.04	0.13	0.14	3	1	5	
A	6629	1	37	540	185	0.9	6	4	149	1.35	209	5	ND	ND	20	1	5	4	2	1.69	0.01	6	78	0.05	41	0.02	0.68	0.02	0.10	0.12	2	1	5	
A	6630	1	256	3743	11818	13.4	15	3	407	8.75	327	5	ND	ND	11	67	5	51	1	0.81	0.02	14	29	0.04	96	0.03	0.66	0.01	0.12	0.09	8	1	5	
A	6631	1	149	2060	1907	5.8	6	1	629	4.77	56	5	ND	ND	55	10	1	19	2	3.02	0.02	7	45	0.09	81	0.03	1.31	0.04	0.13	0.13	1	1	5	
A	6632	1	231	1074	5976	2.7	7	5	1701	5.93	1734	5	ND	ND	55	24	7	8	1	7.33	0.01	8	22	0.12	85	0.02	0.73	0.03	0.12	0.10	1	1	5	
A	6633	1	50	796	411	1.4	7	9	520	1.91	4469	5	ND	ND	26	2	8	9	3	2.39	0.02	7	48	0.11	76	0.02	0.87	0.02	0.14	0.14	3	1	5	
A	6634	1	242	421	1839	2.1	10	3	2360	4.54	61	5	ND	ND	53	10	3	2	2	9.30	0.01	5	24	0.13	32	0.02	1.00	0.08	0.05	0.07	1	1	5	
A	6635	1	33	172	250	0.4	3	8	3947	1.39	78	5	ND	ND	68	1	1	1	5	12.50	0.01	13	19	0.19	26	0.05	0.43	0.08	0.15	0.06	1	1	5	
A	6636	1	50	334	488	1.4	5	4	1819	0.64	25	5	ND	ND	84	2	1	9	2	10.61	0.01	3	14	0.10	19	0.04	0.34	0.05	0.07	0.06	1	1	5	
A	6637	1	56	1778	196	5.3	1	2	3386	1.73	411	5	ND	ND	137	1	1	40	2	16.45	0.01	2	13	0.24	31	0.03	0.58	0.03	0.13	0.04	1	1	160	
A	6638	1	32	1088	348	3.4	12	12	460	1.32	4465	5	ND	ND	18	1	14	20	2	2.55	0.02	6	69	0.04	24	0.02	0.42	0.03	0.15	0.10	1	1	5	
A	6639	1	91	841	526	3.1	16	11	899	2.03	4734	5	ND	ND	33	1	16	20	3	4.52	0.04	8	42	0.06	32	0.03	0.56	0.06	0.19	0.09	1	1	5	
A	6640	1	93	246	895	0.7	13	9	210	2.39	2703	5	ND	ND	21	4	11	6	5	0.93	0.03	7	80	0.06	27	0.03	0.67	0.04	0.17	0.14	2	1	5	
A	6641	1	58	227	434	0.7	6	4	1148	1.23	365	5	ND	ND	34	1	8	6	1	5.55	0.03	4	51	0.06	24	0.04	0.48	0.02	0.10	0.12	6	1	5	
A	6642	1	68	283	211	0.7	6	3	1449	1.69	393	5	ND	ND	38	2	3	4	1	7.20	0.04	6	34	0.06	32	0.04	0.52	0.02	0.15	0.09	1	1	5	
A	6643	1	40	452	347	2.5	11	11	1919	1.41	4051	5	ND	ND	54	1	15	14	2	8.12	0.03	7	26	0.09	27	0.03	0.74	0.07	0.13	0.09	1	1	5	
A	6644	1	33	294	649	0.7	5	3	954	1.15	302	5	ND	ND	38	1	4	11	3	4.32	0.02	7	48	0.06	19	0.03	0.76	0.03	0.14	0.08	1	1	5	
A	6645	1	40	217	372	0.4	6	3	1393	1.49	2134	5	ND	ND	58	1	9	13	3	5.93	0.01	7	56	0.15	24	0.03	1.02	0.05	0.14	0.14	1	1	5	
A	6646	1	54	536	312	1.4	2	1	2773	1.95	573	5	ND	ND	82	1	1	18	1	12.44	0.01	7	27	0.27	27	0.04	1.29	0.07	0.16	0.07	1	1	40	
A	6647	1	90	280	653	0.9	3	3	2229	2.70	2919	5	ND	ND	120	2	7	12	4	9.50	0.03	7	35	0.29	22	0.04	2.76	0.20	0.15	0.09	1	2	5	
A	6648	1	139	1311	2623	2.7	1	1	3199	3.66	1793	5	ND	ND	159	8	1	40	5	13.72	0.01	6	29	0.35	28	0.04	2.49	0.21	0.19	0.09	1	2	30	
A	6649	1	111	898	2040	1.7	1	1	2558	3.07	4448	5	ND	ND	141	2	9	41	7	11.51	0.01	6	32	0.33	24	0.04	1.54	0.22	0.25	0.05	1	1	20	
A	6650	1	35	173	950	0.5	1	1	2384	0.60	1941	5	ND	ND	197	2	1	1	1	15.64	0.01	4	10	0.17	15	0.03	1.11	0.19	0.11	0.04	1	1	5	
A	6651	1	36	1605	1831	4.1	3	5	321	1.29	1783	5	ND	ND	51	9	3	13	2	2.14	0.02	5	72	0.07	55	0.02	0.88	0.03	0.09	0.15	5	1	5	
A	6652	1	58	612	4374	3.7	24	13	162	3.44	12	5	ND	ND	7	20	8	40	8	1.37	0.04	13	54	0.04	37	0.04	0.73	0.01	0.20	0.10	1	1	5	
A	6653	1	32	171	205	0.8	11	9	168	1.46	258	5	ND	ND	16	1	3	14	3	1.23	0.05	16	99	0.04	18	0.05	1.81	0.06	0.08	0.12	2	1	5	

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## CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,  
British Columbia, Can. V5B 3N1  
Ph:(604)299-6910 Fax:299-6252

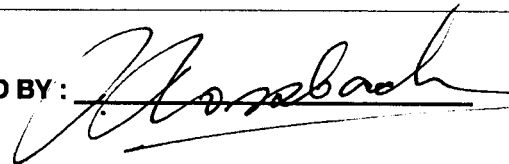
To : RAMROD GOLD CORP.,  
1440-625 HOWE STREET  
VANCOUVER, B.C.

Project: FORS  
Type of Analysis: ICP

F92-2 +3

Certificate: 92459.i  
Invoice: 40057  
Date Entered: 92-12-17  
File Name: RAM92459.I  
Page No.: 1

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A	F92-2	6654	1	57	47	462	0.4	17	6	198	1.34	26	ND	ND	15	3	1	1	3	1.39	0.04	18	78	0.05	17	0.05	2.05	0.05	0.15	0.01	1	1	5	
A		6655	1	120	171	245	0.4	20	7	199	1.55	20	ND	ND	11	1	1	1	1	1.28	0.03	16	109	0.01	15	0.05	1.26	0.02	0.05	0.01	1	1	5	
A		6656	2	81	178	232	0.2	19	6	317	4.96	5	ND	ND	5	1	1	1	3	0.32	0.04	6	22	0.34	65	0.04	0.67	0.01	0.47	0.01	1	1	5	
A		6657	1	87	101	74	0.1	20	6	422	5.71	8	ND	ND	9	1	1	1	3	0.69	0.02	6	35	0.43	73	0.04	0.72	0.01	0.52	0.01	1	1	5	
A		6658	1	98	1891	3168	2.4	21	8	400	6.40	5	ND	ND	6	19	1	1	4	0.40	0.02	5	22	0.35	79	0.04	0.66	0.01	0.36	0.01	1	1	5	
A		6659	1	64	1713	1245	3.2	17	6	1157	4.61	5	ND	ND	83	10	1	3	16	2.01	0.03	8	34	1.79	117	0.09	2.72	0.07	1.06	0.01	1	1	5	
A	F92-3	6660	1	29	104	353	0.1	10	4	1489	3.38	7	ND	ND	148	2	4	1	33	2.20	0.03	7	54	2.99	230	0.12	4.81	0.16	2.32	0.01	1	2	5	
A		6661	1	24	232	335	0.3	12	4	1348	2.64	12	ND	ND	140	2	2	1	26	2.13	0.01	7	58	2.40	184	0.12	4.07	0.13	1.83	0.01	3	2	5	
A		6662	1	105	1622	1464	4.0	19	11	1882	6.46	223	ND	ND	65	11	5	14	15	2.51	0.03	13	18	2.64	136	0.13	2.82	0.06	1.94	0.02	1	2	5	
A		6663	1	16	5069	2511	16.4	11	3	1079	1.34	21	ND	ND	58	21	4	60	15	1.75	0.02	21	66	1.68	98	0.09	2.22	0.06	1.12	0.01	1	2	5	
A		6664	1	7	3740	472	13.0	11	4	1288	1.70	11	ND	ND	67	4	4	49	20	1.26	0.03	14	67	2.22	154	0.11	2.96	0.07	1.88	0.01	1	2	5	
A		6665	3	6	7227	1416	23.1	17	7	1673	2.10	15	ND	ND	121	11	9	94	27	1.83	0.06	10	62	3.13	202	0.12	4.12	0.12	2.74	0.01	1	2	5	
A		6666	1	5	4161	313	13.2	16	6	1480	2.02	22	ND	ND	85	1	1	47	29	1.29	0.03	14	62	2.98	178	0.13	3.53	0.06	2.27	0.01	1	2	5	
A		6667	1	6	11	24	0.1	3	1	43	0.20	8	ND	ND	157	1	1	1	1	0.36	0.01	4	99	0.08	24	0.03	0.56	0.01	0.09	0.01	1	1	5	
A		6668	1	3	37	9	0.1	2	1	35	0.22	7	ND	ND	5	1	1	1	1	0.04	0.01	12	166	0.01	3	0.01	0.04	0.01	0.01	0.01	1	1	5	
A		6669	2	8	113	37	0.5	8	4	41	0.36	363	ND	ND	43	1	1	1	1	0.58	0.03	7	128	0.01	4	0.04	0.74	0.02	0.01	0.01	1	1	5	
A		6670	1	13	41	11	0.1	8	4	52	0.50	260	ND	ND	9	1	1	1	1	0.30	0.02	6	141	0.01	3	0.03	0.43	0.01	0.01	0.01	1	1	5	
A		6671	1	22	44	11	0.1	7	4	65	0.69	236	ND	ND	15	1	1	1	1	0.49	0.03	13	90	0.04	16	0.04	0.68	0.01	0.09	0.01	1	1	5	
A		6672	1	5	222	22	0.7	25	23	60	1.07	12284	ND	ND	46	1	57	1	1	0.75	0.04	12	86	0.03	17	0.03	0.99	0.03	0.11	0.03	2	1	5	
A		6673	1	4	339	20	1.8	15	12	57	0.52	4214	ND	ND	24	1	12	3	1	0.51	0.02	5	107	0.02	15	0.03	0.65	0.01	0.07	0.01	1	1	5	
A		6674	1	5	100	10	0.4	18	15	93	0.64	5097	ND	ND	15	1	10	4	1	0.59	0.03	5	114	0.01	5	0.02	0.77	0.02	0.01	0.01	2	1	5	

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## CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,  
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Ph:(604)299-6910 Fax:299-6252

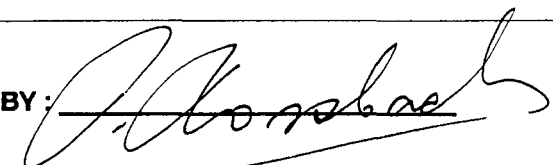
To : RAMROD GOLD CORP.,  
1440-625 HOWE STREET  
VANCOUVER, B.C.

Project: FORS  
Type of Analysis: ICP

Certificate: 93001  
Invoice: 40061  
Date Entered: 93-01-08  
File Name: RAM93001  
Page No.: 2

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	% AL	% NA	% K	% SI	PPM W	PPM BE	PPB AU	PPB AA																										
A	6675	1	41	458	3668	1.5	21	18	952	2.35	2	5	ND	ND	18	17	1	1	1	2.93	0.04	11	88	0.04	20	0.04	0.33	0.01	0.11	0.01	1	1	5																											
A	6676	1	43	365	1746	0.9	6	18	971	2.66	2	5	ND	ND	17	8	1	1	1	3.70	0.04	11	64	0.05	23	0.04	0.39	0.01	0.17	0.02	1	1	5																											
A	6677	1	50	190	1174	0.7	16	21	345	3.82	4	5	ND	ND	7	4	1	5	6	0.58	0.03	14	74	0.28	27	0.06	0.69	0.01	0.22	0.01	1	1	5																											
A	6678	1	27	327	502	1.0	12	11	471	2.51	9	5	ND	ND	6	2	1	3	10	0.60	0.03	12	66	0.49	20	0.07	0.87	0.01	0.23	0.01	1	1	5																											
A	6679	1	44	131	254	0.3	16	9	360	2.25	41	5	ND	ND	19	1	1	4	8	0.51	0.04	19	43	0.55	123	0.07	0.99	0.01	0.39	0.01	4	1	5																											
A	6680	NOT ANALYZED.																																																										
A	6681	1	59	288	762	0.6	14	15	2045	4.52	816	5	ND	ND	17	6	8	1	61	0.50	0.06	24	61	3.22	235	0.17	3.23	0.01	2.34	0.01	1	2	5																											
A	6682	1	17	456	1904	0.7	9	4	1171	1.64	40	5	ND	ND	68	13	1	1	20	1.78	0.08	12	29	1.83	56	0.08	1.95	0.01	0.22	0.01	1	1	5																											
A	6683	1	18	2696	4691	3.7	3	4	1046	1.05	2	5	ND	ND	46	34	3	11	6	4.21	0.06	6	19	1.02	35	0.04	1.05	0.01	0.19	0.01	1	1	5																											
A	6684	NOT ANALYZED.																																																										
A	6685	1	6	1567	206	2.4	1	1	892	0.29	8	5	ND	ND	25	1	1	1	1	1.85	0.02	1	6	0.49	9	0.01	0.16	0.01	0.06	0.01	2	1	5																											
A	6686	1	7	717	240	0.5	2	2	831	0.84	5	5	ND	ND	48	1	1	1	4	3.16	0.04	4	16	0.90	37	0.07	0.97	0.01	0.55	0.01	1	1	5																											
A	6687	3	12	36398	139	62.4	3	1	3568	0.36	28	5	ND	ND	143	6	32	111	1	8.97	0.05	1	2	0.46	21	0.01	0.17	0.01	0.11	0.01	6	1	5																											
A	6688	1	11	401	357	1.2	6	1	4949	0.78	55	5	ND	ND	209	1	26	3	1	13.25	0.04	22	1	0.76	36	0.01	0.32	0.01	0.21	0.01	15	1	10																											

CERTIFIED BY:



SW

NE

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

1400 m

# 22,817

Quartzite,  
Siltstone,  
Argillite

Biotite,  
Actinolite,  
Muscovite

Albite

1300 m

1200 m

Tourmalinized  
Fragmental

1100 m

Quartzite,  
Siltstone,  
Argillite

Quartzite, Siltstone,  
Argillite

1000 m

F92-3  
457.9 m

900 m

F92-2  
596.3 m



Consolidated Ramrod  
Gold Corporation

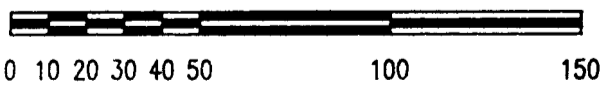
## FORS PROPERTY

Ddh F92-02,  
F92-03

Figure 3

Scale 1:2000

93/02/19



SCALE  
metres