# SUPERINTENDENT OF BROKERS AND VANCOUVER STOCK EXCHANGE

013244

PROPERTY FILE

920/2W 920 026

STATEMENT OF MATERIAL FACTS (#125/87) EFFECTIVE DATE: SEPTEMBER 25TH, 1987

CINNABAR RESOURCES LTD. - 1013 - 837 West Hastings Street, Vancouver, British Columbia (604) 681-3558

NAME OF ISSUER, ADDRESS OF HEAD OFFICE AND TELEPHONE NUMBER

101-744 West Hastings Street, Vancouver, British Columbia V6C 1A5 ADDRESS OF REGISTERED AND RECORDS OFFICE OF THE ISSUER

ROYAL TRUST COMPANY - Bentall 2, 555 Burrard Street, Vancouver, British Columbia V6B 3R7
NAME AND ADDRESS OF REGISTRAR & TRANSFER AGENT FOR ISSUER'S

OFFERING:

750,000 Units (each Unit consisting of one common share and one Series "A" Share Purchase Warrant).

	Estimated Price to the Public	Estimated Agent's Commission	Minimum Proceeds to the Company
Per Unit	\$0.50	\$0.0375	\$0.4625
Total	\$375,000.00	\$28,125.00	\$346,875.00

## ADDITIONAL OFFERING:

This Statement of Material Facts also qualifies for sale to the public at the market price for the shares at the time of sale any shares of the Issuer which the Agents may acquire pursuant to the exercise of the Agents' Warrants. Reference should also be made to the sub-heading "Additional Offering" under Item 1 ("Plan of Distribution") herein.

The price to the public will be determined according to the Rules and Policies of the Vancouver Stock Exchange. The estimated cost of the issue is \$20,000.

#### AGENTS:

CONTINENTAL CARLISLE DOUGLAS 1000 - 1055 Dunsmuir Street Vancouver, B.C.

SECURITIES IN BRITISH COLUMBIA

GEORGIA PACIFIC SECURITIES CORPORATION 1500 - 789 West Pender Street Vancouver, B.C.

THE SECURITIES OFFERED HEREUNDER ARE SPECULATIVE IN NATURE. INFORMATION CONCERNING THE RISKS INVOLVED MAY BE OBTAINED BY REFERENCE TO THIS DOCUMENT. FURTHER CLARIFICATION, IF REQUIRED, MAY BE SOUGHT FROM A BROKER.

Neither the Superintendent of Brokers nor the Vancouver Stock Exchange has in any way passed upon the merits of the securities offered hereunder and any representation to the contrary is an offence.

# 1. PLAN OF DISTRIBUTION

#### Offering

The Issuer by its Agents hereby offers (the "Offering") to the public through the facilities of the Vancouver Stock Exchange (the "Exchange"), 750,000 Units (the "Units"), each Unit consisting of one (1) common share and one (1) Series "A" share purchase warrant (the "Warrant"). The Offering will take place on a day (the "Offering Day") not more than thirty (30) business days after the date (the "Effective Date") this Statement of Material Facts is accepted for filing by the Exchange and the Office of Superintendent of Brokers for British Columbia (the "Superintendent").

The price of the Units (the "Offering Price") will be determined by the Exchange in accordance with its rules and policies, at a premium over the average trading price ("Average Trading Price") of the Issuer's common shares as traded on the Exchange and as determined by the Exchange.

The purchaser of any Units will be required to pay regular commission rates as specified in the rules and by-laws of the Exchange.

The number and percentage of the issued and outstanding securities of the Issuer beneficially owned, directly or indirectly, by the promoters, directors, senior officers and persons holding ten (10%) per cent or more of the issued shares of the Issuer, as a group, is 760,000 common shares representing 43.35% per cent of the issued capital of the Issuer.

The Directors, Officers and other Insiders of the Issuer may purchase units from this Offering.

There are no payments in cash, securities or other consideration being made, or to be made, to a promoter, finder or any other person or company in connection with the Offering.

#### Appointment of Agent

The Issuer by an agreement (the "Agency Agreement") dated May 28th, 1987 as amended on August 18th, 1987, appointed the following as its agents ("Agents") to offer the Units to the public as follows:

#### Name of Agents

Participation

Continental Carlisle Douglas Georgia Pacific Securities Corporation 600,000 Units 150,000 Units

DIAMOND DRILLING PROGRAM

920 026

BONANZA BASIN PROPERTY

LILLOOET MINING DIVISION

ELDORADO MOUNTAIN AREA, BRITISH COLUMBIA

#### Location:

N.T.S.: 92-0-2W LATITUDE: 51° 01'00"N. LONGITUDE: 122° 52'48"W.

#### CLAIMS

NEA FRACTION, OX, HI GRADE FRACTION, JG FRACTION, JG 1-7, K2, K4-K6, WG, WG FRACTION, ANN 1, A2-A8, TAX FRACTION, B 1-8, VISTA, TROLL (8 UNITS), TROLL 1-3 FRACTIONS, EVA 7 FRACTION

#### OWNER

MUTUAL RESOURCES LIMITED 904-1199 WEST HASTINGS STREET VANCOUVER. BRITISH COLUMBIA V6E 3V4

#### **OPERATOR**

CINNABAR RESOURCES LTD. 1013 - 837 WEST HASTINGS STREET VANCOUVER, BRITISH COLUMBIA V6C 1B6

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SEPTEMBER 19, 1986 REVISED SEPTEMBER 2, 1987

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#### SUMMARY

The Bonanza Basin Property of Cinnabar Resources Ltd. is situated in the Bridge River area and Lillooet Mining Division. The property is about 8 miles (13 kilometers) northwest of Levon Resources Ltd. new discovery on the Congress Property and about 14 mile (23 kilometers) north of the the Bralorne-Pioneer Mine which produced about 4,000,000 ounces of gold. The geological, geochemical and structural setting of the Bonanza Basin Property is similar to the better known Bralorne-Pioneer and Congress Properties.

The property consists of 40 converted crown grants, metric claims and fractions which have a maximum possible area of 908.1 hectares. Four wheel drive access exists to the property from the old Silver Quick Mine site. Helicopter access from Pemberton Meadows requires about 20 minutes flying time and is cost effective for short examinations.

The property history dates from about 1910 but modern exploration started in the mid 1960's. Strong soil and talus geochemical response was trenched by Mutual Resources with values up to 1.54 ounces gold per ton over 5 meters reported from Trench 3. Previous production records indicate that 70 ounces of gold were produced from 34 tonnes in 1939 and 1940.

An initial five hole diamond drill program was conducted on the Bonanza Basin Property between June 25th and July 14th, 1986. holes were drilled to test for possible extensions of the Robson Vein Holes one through three were drilled to test the high grade Holes one and two remained in the footwall and Robson trench area. hole three intersected the vein between 25 and 27.6 feet with an assay of 1.320 oz Au/ton and 13.68 oz Ag/ton. Drill holes four and five were drilled to test the down dip extension of the Robson vein both intersected vein material at shallow depth. The vein generally appears to strike N6OE and has shallow dips of 20 to 35 $^{\circ}$  with a steeper dip of 60 reported for the section explored by the Robson Adit. The best ten foot assay section was 0.104 oz Au/ton and 1.21 oz Ag/ton from 22 to 32 feet in drill hole CR86-3. The mineralized zones are weathered and broken which resulted in poor core recovery. Sludge samples collected from the mineralized zones assayed between <0.002 and 0.136 oz Au/ton for 10 foot sections.

Further drilling to extend the mineralized zone along strike and dip is required. Intersections of the Robson vein with another mineralized structure has good potential for yielding bonanza type ore shoots.

#### INTRODUCTION

The 40 claim Bonanza Basin Property of Cinnabar Resources Ltd. is situated on the northwesterly flank of Eldorado Mountain in the headwater areas of Nea and Hughes Creeks. Past exploration of the claims by Chevron Standard Limited and Mutual Resources has indicated large areas with anomalous gold in soils and talus fines. The property also contains arsenopyrite, stibnite, and chalcedonic quartz veins with high grade gold. A preliminary exploration program by Cinnabar Resources Ltd. (Christopher, 1985). Outlined several geochemical and geophysical targets for drill testing. The initial drill test of the Robson Adit area was supervised by the writer with the assistance of Mr. W.A. Howell and Mr. Murray McClaren. A 500 foot drill contract was completed between June 25th and July 14th, 1986.

This report summarizes the results of the drill program conducted on the Bonanza Basin Property and provides recommendations for further exploration of the property.

#### LOCATION AND ACCESS (Figures 1 & 2)

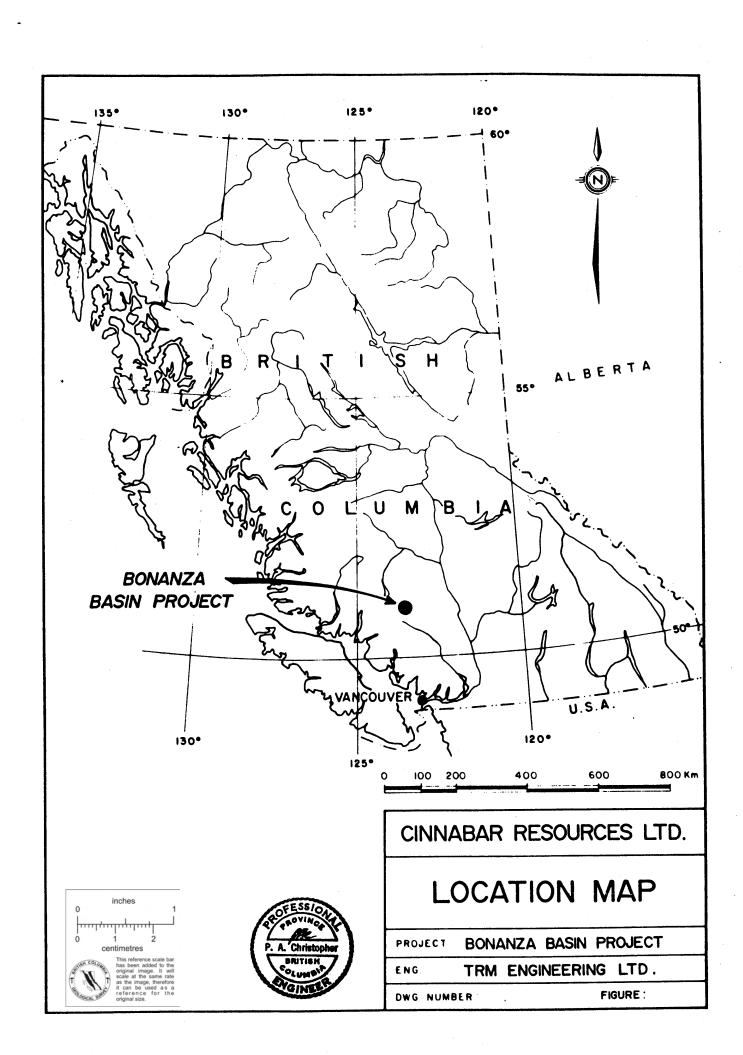
The Bonanza Basin Property is situated on the northwesterly slope of Eldorado Mountain in the Lillooet Mining Division, British Columbia. The property is 17.6 kilometers (11 miles) north-northeast of Gold Bridge and about 176 kilometers (110) miles north of Vancouver, British Columbia.

Access to the property is either by helicopter from Pemberton (Pemberton Helicopter Services Ltd. Ph. 894-6919) or via a four wheel drive extension of the former Silver Quick Mine Road. The old Silver Quick mill site is about a 9 kilometer drive from the Robson campsite. Local property access can be improved by clearing access roads that are presently on the property.

The writer cleared the access road of windfall and located the site for drill holes one and two on June 25, 1986. The drill crew noved to the site on July 1, 1986 with the drill helicopter lifted to the initial site on July 2, 1986. The drill was moved to the hole 3 and 4-5 sites and demobalized by hand.

#### PROPERTY DEFINITION

The Bonanza Basin Property consisting of 40 converted crown grants, metric claims and fractions has a maximum possible area of 908.1 hectares (2244 acres). The maximum possible area is reduced by overlap of adjacent claims and less than full possible size two post and fractional claims. The property has been in existence since 1975 and mineral rights appear to be securely held. A number of the survey markers for old crown granted claims were found during the present survey. Table 1 summarizes pertinent claim data and Figures 2 and 3 show claim locations.



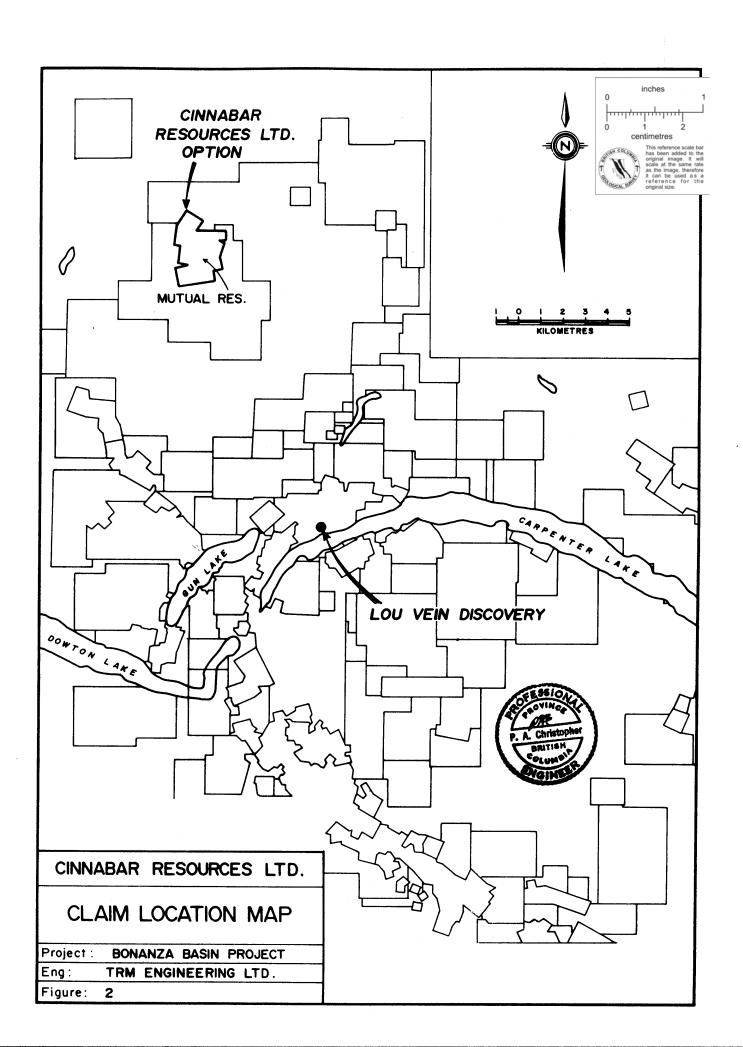


TABLE I. PERTINENT CLAIM DATA

CLAIM NAME	RECORD NO.	ACREAGE	RECOR	DATE	DUE DATE*
Nea Fraction	20	34.64	Feb 1	1/1975	Feb 11/91
0 x	24	37.93		11	11
Hi Grade Fr.	25	6.61		11	**
JG Fraction	26	2.22		11	11
K 4	27	46.17		11	11
K 5	28	47.43		11	11
W G Fraction	29	44.77		11	11
Ann 1	30	45.09		11"	11
Ann	31	46.94		11	11
A 2	32	51.65		11	11
A 3	33	49.97		11	
A 4	34	48.42		11	**
A 5	35	46.69		11	. 11
A 6	36	38.48		**	11
A 7	37	51.65		**	**
A 8	38	51.65		**	11
Tax Fraction	39	28.69		**	11
B 1	40	46.11		11	**
B 2	41	26.36		n ,	11
B 3	42	51.50		11	11
B 4	43	44.29	•	11	11
B 5	44	46.12		11	11
B 6	45	51.65		11	11
B 7	46	35.42		**	11
B 8	47	42.65		11	11
W G	48	51.58		11	11
Vista	49	49.99		11	11
K 2	50	49.13		11	11
JG 2	51	49.25		**	11
JG 3	52	51.29		**	11
JG 4	53	50.29		**	11
JG 5	54	28.19		**	<b>11</b> ,
JG 6	55	51.64		**	11
JG 7	56	47.75		11 .	11
K 6	57	50.48		**	11
Troll	123	8 units	Sept	24/1975	Sept 24/88
Troll 1 Fr	127	-		11	• 11 -
Troll 2 Fr	128	· -		**	11
Troll 3 Fr	129	_		**	11
Eva 7	1463	-	Ju1y	16/80	July 16/91

<sup>\*</sup> Before recording work program outlined in this report. - Fractional mineral claims acreage undetermined.

#### HISTORY

The Bonanza Basin Property has been referred to as the Bonanza, Robson, Eldorado Mountain and Pearson in previous reports and includes B.C. Mineral Inventory Numbers 92-0-26 and 73. Early access to the property was by pack trails and allowed for only limited production and incomplete exploration. Exploration with modern geochemical methods started in about 1965 and has outline several targets that warrant subsurface testing.

Gold exploration in the Bonanza Basin area appears to have started in about 1910 with the first descriptions appearing in the 1912 Geological Survey of Canada Summary Report and the 1913 Report of the Minister of Mines. Small veins of mainly arsenopyrite (Pearson Prospect) with minor chalcopyrite and sphalerite were explored about 1912. About 1933, Mr. Cooper Drabble and associates acquired a large land position in the Bonanza Basin and located seams of gold bearing arsenopyrite in a feldspathic dyke. A sample across 10 inches is reported to have run 2.39 ounces of gold and 16.8 ounces of silver per ton (Cairnes, 1943). Ground sluicing was reported to have been conducted by Drabble in the southwestern part of the claims and on Hughes Creek a tributary of Nea Creek (Clothier, 1933).

By 1940 the Robson claim group owned by J.G. Mining Company and optioned by Bralorne Mines Limited covered the prospect. principal showings at the 6,000 feet elevation on Hughes Creek were developed by two adits (200 feet and 40 feet long) and 700 feet of diamond drilling. The claims were surveyed and subsequently crown granted. Cairnes (1943) description of the main showing stated that "It was examined (1939) by Crickmay, who reported it to be a mineralized shear zone averaging about 18 inches in width, striking southwest, and dipping 36 degrees northwest.... A sample collected in 1939 by Crickmay across the shear zone and assayed by the Bureau of Mines, Ottawa, ran 0.99 ounces in gold a ton. At that time the main adit was only in about 20 feet and the owners were shipping out ore on horse back at a rate of about 2 tons a day. Much of this ore was said to run over 3 ounces in gold a ton and also high in silver." The British Columbia Mineral Inventory report shows that 34 tonnes produced 70 ounces of gold, 581 ounces of silver, 425 pounds of copper and 5,820 pounds of lead in 1939 and 1940. The next record of work on the property appears in the 1967 Minister of Mines report. property had been acquired by Bridge River United Mines Ltd. which conducted geological mapping, geochemical sampling, electromagnetic surveys and trenching between 1967 and 1969.

The property was acquired by Standard Oil Company of British Columbia Ltd. (Chevron Standard Ltd. operator) in 1975. Chevron conducted geological mapping and grid soil geochemistry in 1975 and 1976. The property was acquired by Mutual Resources Ltd., the present owners in 1979 with road building, geological mapping and extensive trenching and rock sampling programs undertaken between 1979 and 1981. Values up to 1.54 ounces of gold per ton over 5 meters were reported by Scott (1980) from trench 3. Mutual Resources spent over \$135,000 exploring the Bonanza Basin Property and recorded sufficient assessment work to maintain the claim into 1988. Lacana Mining Corp.

conducted a 1 week property examination in July 1984 and proposed a geophysical program and drilling but decided not to proceed with the program (Dunn, 1984). One grab sample of a 2-3 cm stibnite vein in Hughes Creek basin collected by Dunn (1984) from float ran 3.976 ounces of gold per ton.

The Bonanza Basin Property was optioned from Mutual Resources Ltd. by Cinnabar Resources Ltd. in August 1985. TRM Engineering was retained to conduct a detailed geophysical and geochemical evaluation of areas with previously reported anomalous gold, silver, arsenic and antimony values. A number of excellent geochemical and geophysical targets were outline by the 1985 program. This report summarizes the results of the initial 500 foot drill test of Robson adit and trench area.

#### 1986 WORK PROGRAM

The 1986 work program was conducted between June 25th and July 14th, 1986. The writer cleared dead fall from the last 9 kilometers of the access road and located the site for drill holes 1 & 2 on June 25th and June 26th, 1986. Martinson Linecutting and Staking mobilized a Gopher all-hydraulic, lightweight core drill to the property on July 1st and a Pemberton Helicopter's Hughes 500D was employed to place the drill on July 2nd, 1986. Five holes totaling 500 feet were completed by July 13th, 1986. The drill was hand moves to drill sites 3, 4, 5 and for demobilization. Core logging, sampling and drill supervision was shared by W.A. Howell, Murray McClaren and the writer. Mr. Don Ingrham was sent to the remove box 1 of hole #3 and all the core from holes 4 and 5. Core from holes 1 through 3 is mainly stored at the hole sites and core from holes 4 and 5 is being stored by Mr. Ingrham in Lillooet.

Drill samples were analyzed by Chemex Labs Ltd. and Rossbacher Laboratory Ltd. in North Vancouver and Burnaby respectively. Certificates of analysis are presented in Appendix A and on drill logs in Appendix B. The cost estimates for further work and the 1986 work program costs are summarized at the end of this report.

#### TOPOGRAPHY AND VEGETATION

The claims are situated in the Coast Mountain physiographic province and have features typical of glaciated mountainous areas. The property has elevations that range from about 4800 feet (1463 meters) in Bonanza Creek to over 8000 feet (2440 meters) on a ridge west of Eldorado Mountain. Treeline on the property is at about 6500 feet (1980 meters). Outcrops occur mainly above treeline on ridges and in drainages. Most areas are covered by talus or felsenmeer.

#### REGIONAL GEOLOGY

The Bonanza Basin Property, which lies on the east flank of the Coast Plutonic Complex, is underlain by igneous and sedimentary rocks of Mesozoic and Cenozoic age. The igneous rocks range in composition from ultramafics and serpentine of the Shulaps Ultramafic Intrusions to rocks of granite or alaskite composition. The property is within a tectonic element of the Cordillera referred to as the Tyaughton Trough which contains mainly Middle Triassic Ferguson Group cherts, pelites, and basalts; Upper Triassic Hurley Formation argillites, conglomerates, and limestone; and Lower Cretaceous Taylor Creek Group chert pebble conglomerates (Pearson, 1974; Cairnes, 1943). The Yalakum Fault Zone, a major northwest splay of the Fraser River Fault Zone, dominates the tectonic fabric of the area. Fault structures that parallel the Yalakum system appear to control emplacement of serpentine bodies, granitic bodies and associated precious metal deposits.

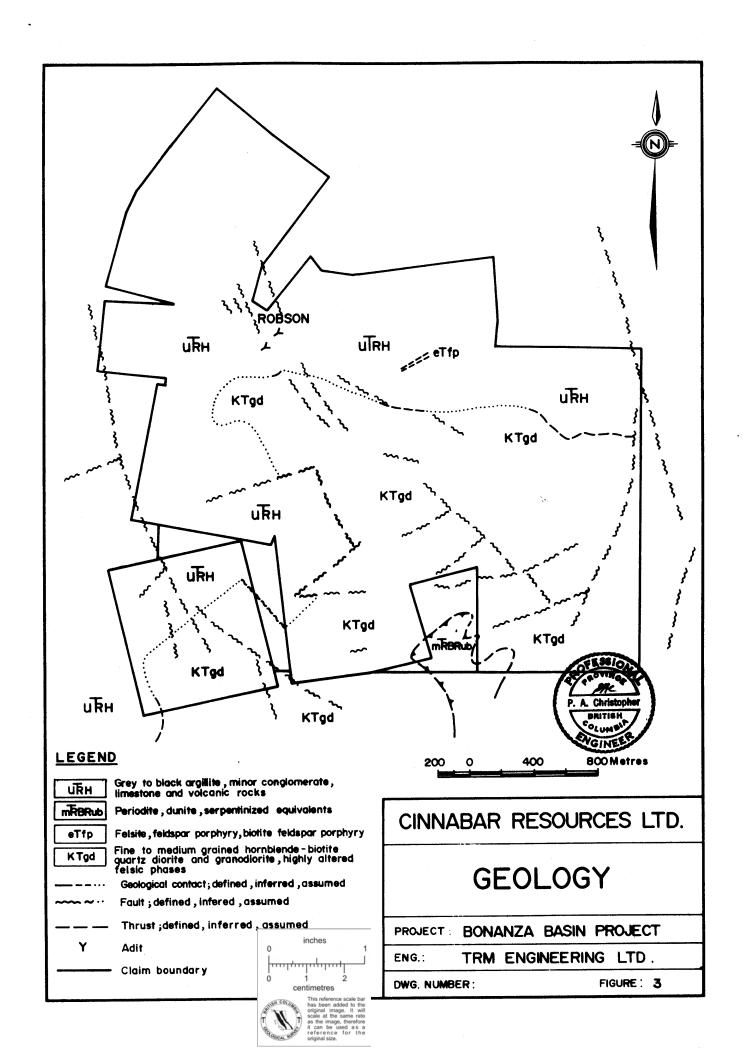
#### PROPERTY GEOLOGY (Figure 3)

Figure 3 shows the geology of the Bonanza Basin Property after mapping by Ng and Arscott (1975; 1976), Scott (1980) and Gibson (1980). The property is mainly underlain by Upper Triassic Hurley Formation and hornblende-biotite quartz-diorite and granodiorite of probable Late Cretaceous or Early Tertiary age. A small body of Middle Triassic Bridge River Group serpentinized ultramafics occur in the south central part of the property. Feldspar porphyry and biotite feldspar porphyry dykes cut the Hurley Formation and older dioritic rocks. Altered zones with the granitic body have been mapped as alaskite due to low mafic content or alteration of mafic minerals. Sheared areas within the granitic are strongly altered to ankeritic carbonate and contain stringers of chalcedony with variable amounts of arsenopyrite and pyrite.

Two main structural zones are shown on Figure 3. Major fault structures center around N  $70^{\circ}$  E and N  $20^{\circ}$  W with high grade veins occupying both structural trends. The intersection of the two mineralized trends in the Robson adit and trench area is considered to be an excellent exploration target.

#### MINERALIZATION IN THE AREA

The Bralorne-Pioneer mine, the most productive gold mine in the Canadian Cordillera, has produced about 4 million ounces of gold from veins that are hosted by diorite, sediments and greenstone with the richest ore occurring near serpentine bodies. Renewed exploration activity in the Bridge River camp has led to the definition of new reserves in the old Bralorne-Pioneer mine and the exciting recent discovery of the Lou Vein (see Figure 2) on the Congress Property owned by Levon Resources Ltd. (Cooke, 1985). Recent discoveries in the area and general renewed interest in precious metal exploration has resulted in further exploration of a number of properties in the area.



Scott (1980) has defined three types of mineralization on the Bonanza Basin Property:

- "a. Pyrite-quartz-arsenopyrite-stibnite veins in the vicinity of the Robson workings.
- b. Complex quartz-chalcedony veins of a white to pale yellow colour found mostly within Unit 4 and best exposed on the ridge immediately southeast of Hughes Creek where several prospect pits have been dug. Sparse pyrite occurs in the veins examined, but auriferous arsenopyrite has been reported from them.
- c. Disseminated pyrite and occasional disseminated chalcopyrite, arsenopyrite and molybdenite in the alaskite, and pyrite in the chalcedony veins."

Cairnes (1943) reported jamesonite, sphalerite and arsenopyrite with a trace of tin for "ore" from the Robson Adit. Harris (Appendix D) conducted a microscopic examination of sample F3 from the Robson Trench (Figure 5) and identified arsenopyrite, boulangerite, ruby silver, and chalcopyrite. Sample F3, a grab sample collected by Murray McClaren assayed 1.956 ounces of gold and 16.50 ounces of silver per ton and three one foot channel samples, collected by the writer, averaged 2.240 ounces of gold and 29.3 ounces of silver per ton (Figure 5). Vein material in the Robson Trench strikes N 70° E and appears to dip steeply. The Robson Vein (shear zone) is reported by Carines (Crickmay, 1939 examination) to strike southwest and dip 36° northwest and major fault structures, geophysical anomalies and geochemical trends strike west-northwest. The intersection of the mineralized trends should be drill tested in the Robson working area. A float sample of Robson type vein material collected by Dunn (1984) assayed 3.976 ounces of gold per ton. The source of the float has not been identified and trenching should be considered.

An ankeritic alteration zone with chalcedonic veining, disseminated and vein arsenopyrite and some stibnite occurrences is situated in the ridge area at the south end of the grid. Four adjacent soil samples on line 33SE averaged 2050ppb gold and 2.3 ppm silver. The mineralized shear zone that caused this anomaly appears to be over 50 feet wide and warrants drill testing.

A type b chalcedonic quartz veined area in Trench 3 is reported by Scott to run 1.54 ounces of gold per ton from 300 to 305 meters. If the vein area can be located and confirmed during road clearing, drill testing will be warranted.

#### DRILL PROGRAM

The 1986 drill program consisted of five holes totaling 500 feet with drill sites selected to test high grade vein material in the Robson Trench and down dip extensions of the vein exposed in the Robson adit. Figure 4 shows drill hole locations and Appendix A and Appendix B contain certificates of analyses and drill logs respectively.

The drill program was conducted with a Gopher all-hydraulic, lightweight core drill, using IAX standard drill equipment producing core with a diameter of 1 3/8". The drill is expected to produce between 100 to 150 feet per shift in average drilling. Broken ground resulted in difficult drilling condition and shift averages of about 40 feet. A larger diameter core and drill muds should be considered for future programs.

#### Results

Diamond drill holes CR86-1 and CR86-2 were drilled in the footwall of the Robson Vein and had no significant gold or silver assays. Drill hole CR86-3 intersected the vein between 25 and 27.6 feet with poor recovery due to broken ground and weathering of vein material. The best drill intersection of 1.320 oz Au/ton and 13.68 oz Ag/ton was obtained from the 2.6 foot vein intersection in hole CR86-3. A ten foot section from 22 to 32 feet in hole CR 86-3 assayed 0.104 oz Au/ton and 1.21 oz Ag/ton. Holes CR86-4 and CR86-5 were drilled below the Robson Adit to test for down dip extensions of the vein with both holes intersecting vein material at shallow depths. The three vein intersections indicate that the vein is approximately parallel to the present slope.

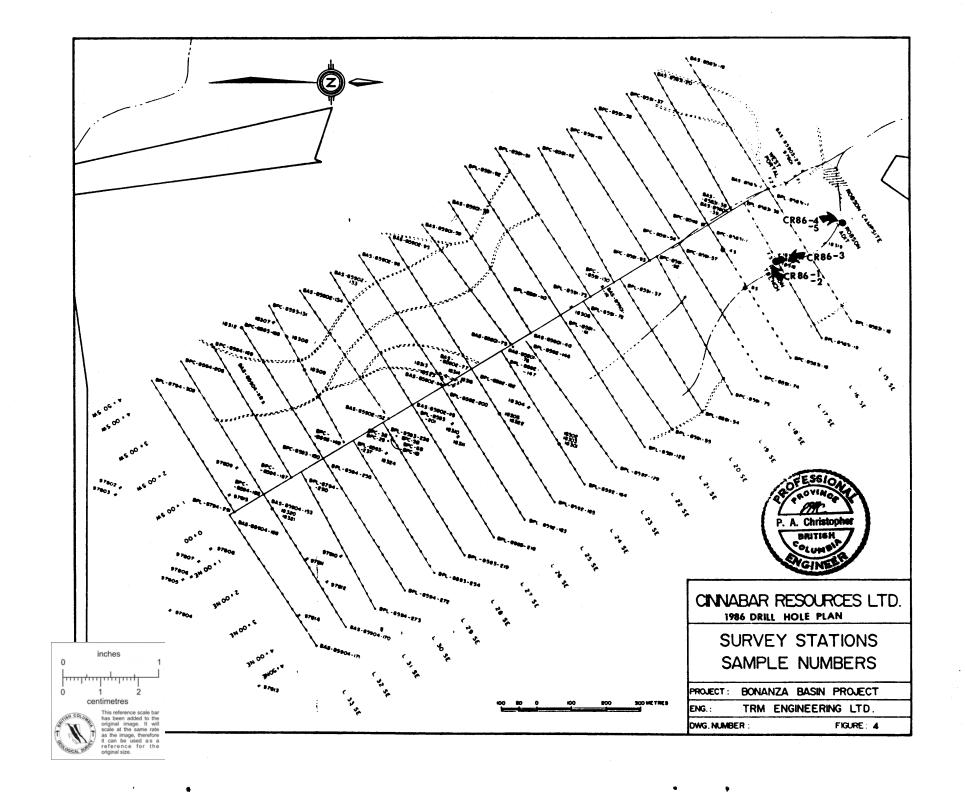
Drill core and sludge assays are present in Appendix B and core logs are presented in Appendix C. Drill hole locations are shown on Figure 4.

#### DISCUSSION OF BONANZA BASIN PROPERTY

Initial drilling has been successful in demonstrating that the vein material at the Robson vein and Robson adit are part of the same mineralized structure. The near surface location of the vein mineralization suggest the possibility of developing a tonnage suitable for open pit mining in the area of the Robson adits and campsite. Further drilling is required to test this possibility.

The broken nature of the mineralization and poor recovery with small core size (1 3/8") encourages the use of larger core and possibly mud for future programs.

Geochemcial anomalies detected in the central and southern part of the 1985 grid area still remain as excellent drill targets.



#### CONCLUSIONS AND RECOMMENDATION

At the request of the management of Cinnabar Resources Ltd. the writer previously reviewed the Stage I budget proposed in his October 1985 engineering report on the Bonanza Basin Property. The review was conducted to divide the Stage I program to allow for an initial Stage IA program of 500 feet of diamond drilling and Stage IB of 1000 feet of diamond drilling. The Stage IA program was successfully completed with diamond drill hole CR-86-3 intersecting 1.320 oz Au/ton and 13.68 oz Ag/ton between 25 and 27.6 feet. The Stage IA program indicates that the mineralized zone dips at a shallow angle to the north with additional drilling warranted in that direction. The writer recommends that the Stage IB program of 1000 feet of diamond drilling be used to test the possible northerly extension of the mineralized zone.

Cost estimates for the Stage IB program follow:

#### Stage IB <u>Diamond</u> <u>Drilling</u>

Diamond Drilling 1000 feet at \$30ea.	all inclusive	38.	\$30,000
Geochemical Costs			1,400
Helicopter			2,000
Field Supervision 12 days at 500ea.			6,000
Assessment and Engineering Report			3,000
Management/Mobilization Costs			2,000
	Total		\$4 <mark>4,400</mark>
	Contingency		5,600
	Stage IB		\$50,000

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- Tipper, H.W., 1978. Taseko Lakes (92 0) Map-Area: Geological Survey of Canada Open File 534.

#### CERTIFICATE

- I, Peter A. Christopher, with business address at 3707 West 34th Avenue, Vancouver, British Columbia, do hereby certify that:
- 1) I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.
- 2) I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.
- 3) I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.A. (1968) from Dartmouth College and a Ph.D. (1973) from the University of British Columbia.
- 4) I have been practising my profession as a Geologist for over 15 years.
- 5) I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the property or securities of Cinnabar Resources Ltd.
- 6) I have based this report on a drill program conducted under my supervision between June 25th and July 14th, 1986, previous exploration experience on the property and a review of available geological data on the area, and a review of company exploration reports.
- 7) I consent to the use of this report by Cinnabar Resources Ltd. in any Filing Statement, Statement of Material Facts, Prospectus or for assessment work.

Peter A. Christon September 19, 19

Revised September

P.Eng.

## APPENDIX A

## COST STATEMENT

PERSONNEL (FIELD)  MURRAY McCLAREN B.Sc. loffice July 7,8/86 P.A. CHRISTOPHER P.Eng. JUNE 25,26/JULY 1-6 @\$350EA W.A. HOWELL B.SC. July 10-14/86@ \$250ea D. INGRHAM August 20/86	\$ 1059.53 2625.00 1250.00 157.20
ROOM & BOARD	256.24
TRANSPORTATION 12.5 DAYS @ \$35EA. (4X4) + 1450KM @0.20ea HELICOPTER	727.50 655.00
EXPENDABLES	436.52
<u>DRILLING</u> 500 FEET	11788.00
GEOCHEMICAL COSTS Chemex Rossbacher	1029.50 13.50
PHONE	10.00
DRAFTING, WORD PROCESSING, OFFICE SUPPORT, COPIES	400.00
REPORT PREPARATION	800.00
Total Cost	\$21,207.99

PETER A. CHRISTOPH SEPTEMBER 19,1986

Ph.D

## APPENDIX B

CERTIFICATES OF ANALYSES



## Chemex Labs Ltd.

212 Brooksbank Ave. North Vancouver, B.C. V7J 2C1

Phone: Telex:

(604) 984-0221 043-52597

Analytical Chemists

Geochemists

Registered Assayers

: CINNABAR RESOURCES LTD.

: A8614758-001-A

1013 - 837 W. HASTINGS ST. Vancouver, BC VANCOUVER, BC V6C 1B6 V6N 2K9.

INVOICE # 18614758 : 21-JUL-86

P.C. # : NONE

88-1

Sample	Prep	Ag FA	Au FA			
description	code	oz/T	oz/T			
18101	207	0.02	<0.002			 
18102	207	0.02	<0.002			 
18103	207	0.01	<0.002			 
18104	207	0.04	<0.002			 
18105	207	0.04	<0.002	-		 
18107	207	0.01	<0.002			 
18108	207	0.02	<0.002			 
18351	207	0.01	<0.002			 
18352	207	0.01	<0.002			 
18353	207	0.02	<0.002		%	 
18354	207	0.02	<0.002			 
18355	207	<0.01	<0.002			 
18356	207	0.04	<0.002			 
18357	207	0.02	<0.002			 
18358	207	0.03	<0.002		,	 
18359	207	0.03	<0.002			 
18360	207	0.04	<0.002			 
18361	207	0.01	<0.002			 
18362	207	0.01	<0.002			 
18363	207	0.01	<0.002			 
18364	207	0.01	<0.002			 
18365	207	0.01	<0.002			 
18366	207	0.01	<0.002			 



## Chemex Labs Ltd.

212 Brooksbank Ave. North Vancouver, B.C. Canada V7J 2C1

Phone: (

(604) 984-0221

Telex:

043-52597

Analytical Chemists

Geochemists

Registered Assayers

#### CERTIFICATE OF ASSAY

7 : TRM ENGINEERING LTD.

701 - 744 W. HASTINGS ST. VANCOUVER. B.C.

V6C 1A5

3907 W 34th AVE VANCOUVER, BC

VON ak9

CERT. # : A8615162-001-A

INVOICE # : 18615162 DATE : 28-JUL-86

P.O. # : NONE

BONANZA

Sample   Prep   Ag FA   Au FA	_	✓ CC: PETER CH		R & ASSO					
18109 207 0.04 <0.002		•	Prep	Ag FA					
18110									
18111									
18112       207       3.21       0.136									
18113									
18114       207       0.32       0.032					0.136				
18115       207       0.45       0.056		18113		0.35	0.030				
18116       207       0.06       0.006		18114	207	0.32	0.032			·	
18117       207       0.01       0.002				0.45	0.056				
18118       207       0-20       0-102		18116	207	0.06	0.006				
18119       207       0.05       0.010		18117		0.01	0.002				
18119       207       0.05       0.010		18118	207	0.20					
18122       207       0.07       0.004		18119	207	0.05	0.010				
18251       207       0.08       0.004		18120							
18367       207       0.05       <0.002		18122	207	0.07	0.004				
18367       207       0.05       <0.002		18251	207	0.08	0.004				
18368       207       0.04       <0.002		18367	207	0.05					
18370       207       0.06       <0.002			207	0.04	<0.002				
18370       207       0.06       <0.002									
18371       207       0.04       <0.002									
18373       207       0.03       <0.002	•			0.04					
18374       207       0.03       <0.002		18372	207	0.05	0.002				
18375       207       1.21       0.104		18373	207	0.03	<0.002				
18376       207       0.05       0.002				0.03	<0.002				
18377       207       0.05       0.002					0.104				
18378       207       0.03       <0.002									
18379       207       0.03       <0.002						, . <del></del>			
18380       207       0.45       0.093				0.03	<0.002				
18381       207       0.05       0.004									
18382       207       0.03       <0.002				0.45	0.093				
18383       207       0.03       <0.002					0.004				
18384       207       0.04       <0.002					<0.002				
18385       207       0.04       <0.002					<0.002		,		
18386       207       0.04       <0.002				0.04	<0.002				
18387       207       0.04       <0.002					<0.002				
18388       207       0.07       <0.002		18386	207	0.04	<0.002				
18389     207     0.04     <0.002		18387	207	0.04	<0.002				
18390 207 0.03 <0.002 18391 207 0.03 <0.002 18392 207 0.05 0.016		18388	207	0.07					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		18389	207	0.04	<0.002				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		18390							
18392 207 0.05 0.016 1		18391				/	1-17-1		***
	_	18392					1 1/ <i>F</i>	,	
						71	1///	110-	VOI rev. 4/89

Registered Assayer, Province of British Columbia



## **Chemex Labs Ltd.**

212 Brooksbank Ave. North Vancouver, B.C. Canada

V7J 2C1

Phone: Telex:

(604) 984-0221 043-52597

Analytical Chemists

Geochemists

Registered Assayers

CERTIFICATE OF ASSAY

) : TRM ENGINEERING LTD.

701 - 744 W. HASTINGS ST.

VANCCUVER. B.C.

V6C 1A5

CERT. # A8615162-002-A

INVOICE # 18615162

DATE 28-JUL-86

P.C. # : NONE

BONANZA

CC: PETER CH	Prec	Ag FA	Au FA			
description	code	oz/T	oz/T	 		
18393	207	0.04	<0.002	 		
18394	207	0.06	<0.002	 		
18395	207	0.04	<0.002	 		
18396	207	0.16	0.042	 		
18397	207	0.06	<0.002	 		
18398	207	0.07	<0.002	 	·	
18399	207	0.07	<0.002	 		
18400	207	0.05	<0.002	 		

VOI rev 4/85

#### ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE

BAR 1659) B.C. VSB 3N1

TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : PETER CHRISTOFHER

COOK W. CARDY GOT.

MANCOUVER. H.C.

PROJECT: NOT GIVEN

PE OF ANALYSIS: ASSAY

CERTIFICATE#: 您想到了一点

INVOICE#:

c 7 de

DATE ENTERED: 86.0 + 12

FILE NAME: PCH86414.A

PAGE # :

PRE

SAMPLE NAME

oz/t oz/t

Au Ag

7551 1.320 13.68

CERTIFIED BY :

# Rossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE., BURNABY, B. C. CANADA

TELEPHONE: 299-6910 AREA CODE: 604

Jan. 1985

(1)

GEOCHEMICAL ANALYTICAL METHODS CURRENTLY IN USE AT ROSSBACHER LABORATORY LTD.

#### A. SAMPLE PREPARATION

1. Geochem. Soil and Silt: Samples are dried, and sifted to minus 80 Mesh, through stainless steel, or nylon screens.

2. Geochem. Rock:

Samples are dried, crushed to minus  $\frac{1}{4}$  inch, split, and pulverized to minus 100 mesh.

#### B. METHODS OF ANALYSIS

1. Multi element:

(Mo, Cu, Ni, Co, Mn, Fe, Ag, Zn, Pb, Cd):
0.5 Gram sample is digested for four hours with a
15:85 mixture of Nitric-Perchloric acid.
The resulting extract is analyzed by Atomic Absorption spectroscopy, using Background Correction where appropriate.

2. Antimony:

0.50 Gram sample is fused with Ammonium Iodide and dissolved.

The resulting solution is extracted into TOPO/MIBK and analyzed by Atomic Absorption spectroscopy.

3. Arsenic:

0.25 Gram sample is digested with Nitric-Perchloric acid.
Arsenic from the solution is converted to arsine, which in turn reacts with silver D.D.C. The resulting solution is analyzed by colorimetry.

4. Barium:

0.50 Gram sample is repeatedly digested with  ${\rm HClO}_4{\rm -HNO}_3$  and HF. The solution is analyzed by Atomic Absorption spectroscopy.

5. Biogeochemical:

Samples are dried, and ashed at 550°C. and the resulting ash analyzed as in \*1, multielement analysis.

6. Bismuth:

0.50 Gram sample is digested with Nitric acid. The solution is analyzed by Atomic Absorption spectroscopy.

7. Chromium:

0.25 Gram sample is fused with Sodium Peroxide. The solution is analyzed by Atomic Absorption spectroscopy.

## APPENDIX C

DIAMOND DRILL LOGS

#### Abbreviations Used in Drill Logs.

	•
Aspy	Arsenopyrite
Py	Pyrite
Сру	Chalcopyrite
Chl	Chlorite
Sph	Sphalerite
C.A.	core axis
11	parallel
St.	strong
Qtz	Quartz
OVB	overburden
HFLS	hornfelsed
Bi(Bio)	Biotite
Po	pyrrhotite
F.g.	fine grained
Carb	carbonate
v.	vein
Jam	Jamesonite
T.R.	trace
Bx	Breccia
En	Eneigite
Diss	disseminated
Stib	Stibnite
ALT	alteration
Serp	Serpentine
Sulp	sulphides
W	with
Pos.	possible
Fr	fracture
Sil	siliceous
Arg	argillite
Rx	Rock
Tuff.	tuffaceous

LOCATION: Hobson Tr. DATE COLLARED: July 2/22 DATE COMPLETED July 4/66

330° BEARING : . LENGTH: -45°

PROPERTY: Fldorado Nnt. CORE SIZE: IAC

nul & No. : CR-26-1

SHEET No.: 1 of 2 LOGGED By: P.A. Christopher DATE: July 4,/96

SCALE OF LOG: \_\_

_ % 6						GR	GRAPHIC.			1	Γ	1	l w w	U	:	<u> </u>		A S	SA	Y			
ROCK TYPE AND TEXTURES	Corb. (3	Carbonate	Silica - Ind.( Cantacta	>	Foults	0 • 66 ing	Rock Type	Fo. 108	2	3	S ULPHIDE MINERALIZATION	Est. Grode	REMARKS	FOOTAG	EST.	COMPOSIT	SAMPLE No.	РЬ	Zn	Ag	Au	Pb • Zn	Zn/Pb RATIO
9-3' No recovery 8-13 Hornfelsed Argillit rusty & broken to 2									11111111		rusty weathe	red le	casing to 15' large % Mud Mud part gs		casi reco	very	#18351 3-13			0.01	<b>(</b> 0.0	02	
3-21' sim. Rx type. Ry stringers rusty Fr									11111111		stringers Py minor grey Su rusty weat.to 21' (strong)	þр.	sludge sample start		30 * 15 15 20		#18352 113-16 #18353 16-21		*	0.0	(0.0 (0.0 (0.0	D2	
21-41' Frg. Bed. purple Arg									11111111		2 pieces 20% grey sulp  lmm Py vein 1 to C 1% Py as yeins & Dis.	ı	core split. sta purple Sed. po HFLS		50 *	18102 21-31	#18354 21-31		*	1	<b>∢</b> ∩.0	ł	·
41-47 mafic Arg 47' sim 21-41' purple Ar	g .										some Po w Py	Fr	31-34 broken no split 35-Fr @ 30°-c	xt			#18355 31-41		,	I	<b>⟨</b> 0.0	1	
41-47 maric tuff Arg. 47-101' sim 21-41'purplo Ara. (EMD)											5% Po stringe veinlets & Di Fr Py Po	rs s	Gen Chl. Inc. Chl-Carb-Sulf veining 48-2cm Otz v. 1	hard			#18356 41-51		•	1	<b>(</b> 0.0 <b>(</b> 0.0	1	
sim 21-41' purple bed. Aig bed 45 <sup>9</sup> cure									11111111		PV & PO	55	2-3% sulp. 5-8% sulp. 54.	5-	115	No samy	#18357 51-61				<b>(</b> ).	 	
									1		69 yellow Fr		61-66 broken		60		#18 (5) 61-71			0.0	<b>(</b> ).:	<b>1</b> 2	

GRAPHIC LOG SULPHIC MINERALIZATION

minor Cpy j

in 2mm

tal ASSAY EST. CORE REC. FOOTAGE Est. Grode РЬ Zn/Pb SAMPLE REMARKS ROCK TYPE AND TEXTURES Zn Ag Au No. Zn RATIO 70 sim purple-grey Arg 0.93 (0.0b2 #18359 Bed 450-c 165-71-81 1% total Sulp 70% Chl Fr. @ 10°c Tr Cpy :.04 **(**0.0)2 Bed 250 -c 95 #18360 81-91 Bed 10° -c 90 1 mm Po-carb v. @ 160-c 75-Chl-Qtz Py 5mm 0.01 (0.002 80 #18361 Chl & Carb @ 459 Carb & Chl Fr. 91-101 Py & Po 11 lmm Chl & Carb reduced 5% END @ 101' 

CR-86-1

LOCATION: Robson Tr. DATE COLLARED: July 5/86
DATE COMPLETED July 7/86

BEARING: \_\_\_\_3300 LENGTH: 104°

DIP:

PROPERTY: Eldorado Mtr

CORE SIZE : IAQ SCALE OF LOG: \_\_\_\_

DATE: July 5 & 11/96

_ % <u>=</u>					GRAPHIC.					Y	T	<u> </u>	Τ.	1	-	ſ		Δ S	S A	<u>v</u>		
ROCK TYPE AND TEXTURES	Cork (3)		Conners	V • i »	Faults	Cleavage	Rock Type Structure	OG ·	( <del>6</del> )	S ULPHIDE MINERALIZATION	Est. Grode	REMARKS	FOOTAGE	EST.	COMPOSITES	SAMPLE.	РЬ	Zn	Ag	Au	•	Zn/Pt
O-18' O-18'							111111111	11111111		rusted out Py	? /			*	18105 1-11	#18362 1-11		ı	0.01 0.04	0.0	1	
20								11111111		fresh Py 1% Sulph. 1% w Po rust 3% dis Po		total Sulp. 19 Bio.Py some w Qtz Env		70	# <b>18</b> 10 C	#18363 11-21			0.01	0.0	02	
purple biotite HFLS					ı			11111111		1.5mm Bio-Py w Qtz.Env Blebs Po Cpy lmm Cal-Py v 80°-c		Bed Sub 11 core total Sulp 1% Qtz Env	·	75	<b>#</b> :18107	#18364 21-31			0.01			
40								1111111		Chl-Carb @ 45 -c 3mm Py,Qtz Chl v. 200-c 10mX5cm Po blebs		Total sulp X 19 3mm Qtz v @ 15 <sup>C</sup> -c		95 rec		#18365 31-41			0.01			
co.					1			1111111		Po & Chl & Ca @ 45 <sup>0</sup> -c lmm	rb			92	#/ <b>8</b> 108	#18366 41-51			0.01 0.02			
interbedded grey & purple HFLS							111111111111111111111111111111111111111	11111111		Po w bed Po in clots & finely Diss 56' 3/4" wide rounded massi PO/Aspy/Cpy/2	Fi ve	Beds 30° to C.	Α.	95		#18367 51-61			0.05	<b>≺</b> 0.0€	2	
70										60°/C.A. Po weakly Dis & occ. clots along Fr minor Cpy w I	s	<u>2 Suan</u>		85		#18368 61-71			0.04	<b>∢</b> ∩.0	02	

CR-86-2

	1		_					GR	APHIC	-				W 10	u	•		R-86		S A	Y			
ROCK TYPE AND TEXTURES	Corb (3)	Carbonate	Silice - Ind.(3	Contacts	Veins	rauts Bedding	C1007090	Rock Type (	rog	of 2016		PHIDE	Est. Grode	REMARKS	FOOTAGE	EST. CORE REC.	COMPOSITES	SAMPLE No.	Pb	Zn	Ag	Au	•	Zn/Pb
purple Bi-Qtz HFLS more Chl,less purple increased Qtz					1	1					Po Di Fr T.S.	ss & on 2-3%		rubble 76-77 rubble 78-79		85%		#18369 71-81			0.04	<b>∢</b> o.o	02	
<u></u>											Po Di Fr T.S.	ss & on		incr.silica & Chl less purpl Fr. commonly C rubble 86-88	hI -	90	# <sub>1</sub> 8104	#18370 81-88		*	<b>0.04</b>			
					7						T.S.	3%		Fr.strongly Chextensive rubb 94-104	ole	50	<b>∉</b> 18110	#18371 88-97		*	0.04 0.03			
END OF HOLE @ 104'											T.S.	3-5%		strong Chl ALT	1	18	н. @	#18372			0.05	0.0	02	
																E.O.	n. e	104						
														<i>9</i>										

HULE No.: \_\_CR-86-3 LOCATION: \_\_\_\_\_\_ BEARING: \_\_\_\_\_\_\_\_ \_\_\_\_ LATITUDE: \_\_\_\_\_ PROPERTY: Eldorado Mtn. SHEET No.: 1 of 1 DATE COLLARED: \_\_\_\_\_ LENGTH: \_\_\_\_\_\_ DEPARTURE: \_\_\_\_\_ CORE SIZE: \_TAO\_\_\_ LOGGED BY: W.A. Howell DATE COMPLETED: \_\_\_\_\_ DIP: \_\_\_\_\_\_ SCALE OF LOG: \_\_\_\_ SCALE OF LOG: \_\_\_\_ DATE: \_July 12/86 GRAPHIC LOG ASSAY υ× SULPHIDE ا عه نـــ OOTA( ROCK TYPE AND TEXTURES E S CORE REMARKS Αg Au MINERALIZATION rubble 0-7' OVB & broken rock #18373 7'-54' puiple & green 0.03 < 0.002 25% 0-12 HFLS core is very broken & rubbly #18374 0.03 (0.002 12-22 90 # 18111 0.03 0 002 clay gouge @ 26 .... #18375 strongly mineral rubble 26.8-27.3 22-32 1.21 0.104 rubble with strong ized St.Aspy Py? core ground 25-27' mineralization rubble minor bTZV \* # 18112 43.21 0.136 Aspy/Enargite 2@80' 32.5-33.5 Ch1/ good local recovery more purple HFLS (Bi) #18376 Otz/Pv Py has fine Botryoidal 1 as given HFLS (Ch1) 34-Qtz Py minbr or lace texture 32-42 10.05 0.002 Po/Cpy ×#18113 × 0.35 0.030 43-43.5-strong FRACTS comain Qtz Chl ALT w Po rusty thru to #18377 as blebs or FRACE, buttom of hold 42-54 0.05 0. 302 a bodding.minbr Cpy/Sph TS finer & rusty very lasken has allely debris in box contains Aluminum chips from rods E.O.H. 54.0 fett

LOCATION: \_\_\_\_\_ BEARING: \_\_\_\_ LATITUDE: \_\_\_\_ PROPERTY: Cinnabar Res. SHEET No.: 1 of \_\_\_\_ DATE COLLARED: \_\_\_\_\_ LENGTH: \_\_\_\_\_ DEPARTURE: \_\_\_\_ CORE SIZE: \_\_\_\_\_\_ LOGGED BY: W.A. Howell DATE: July 12, 1986 DATE COMPLETED: \_\_\_\_\_\_ DIP: \_\_\_\_\_ ELEVATION: \_\_\_\_\_ SCALE OF LOG: \_\_\_\_\_ GRAPHIC ASSAY O A C اعت نبر SULPHIDE SAMPLE S 50 REMARKS ROCK TYPE AND TEXTURES ö Αq Au ORI 0 5 MINERALIZATION No. O casing to 10' #18378 extensive rubble to 18' 40% 0-10 hard grey siliceous cherty lo.03**k**0.0d2 mudstone or siltstone-rock has been hornfelsed-color is generally grey 0 but bandsof purple HFLS #18379 persist throughout 0.03 **(**0.002 10-20 60% fig. po. & py clay gouge with is widely Diss & on fractures rubble 0.82 0.032 # IBIH Cpy is a minor mineral w Po. #18380 0.45 0.d98 33'clay gouge w rubble 2"massive St. core is ground 44'minl. 90% 20-30 on either side of Jam., Py, 5'start reasonably solid minl. diss pv core \* 0.45 0.056 ## 18/15 tr cin en minbr barb veins w Py core has periodic crackle carb v. Sph Py Aspy 0.05 0.d04 #18381 zones w Py, Po, minor Cpy core is broken but\_ diss f.q. Asby pretty much all ----& selvages of Qtz/Bi 30-40 96% there core has fig. sericite thru out-Fr. have \* # 18116 0.06 purple(Bi)selvanes Po common on Fr. 0.03 (0.002 rock becomes #18382 as blobs & small harder less 40-50 97% bods along Fr. breakage planes fine pink selvagesto occ. Fr. look slightly rhodon tto 97% #18383 similar 0.03 (0.002 50-60 No other Mn obs

HULE No. - CR 86-4

	-:	· -	<u></u>			]	GRA	APHI	C,		T		m ~	J	=	·		A S	S A	Y		
ROCK TYPE AND TEXTURES	Cor k (3)	Corbonate Silica - Ind.(	Contacto	٠. ٧٠.	rours Bedding	Cleavage	Rock Type Structure	APHI O G	Mineralizatio		Est. Grode	REMARKS	FOOTAGE BLOCKS	EST. CORE REC	COMPOSITES	SAMPLE No.	Pb	Zn	Ag	Au	Pb • Zn	Zn/Pb RATIO
O grey HFLS										Py on FR.mind Po occ. Cpy	r			95%		#18384 60-70			0.04	<b>&lt;</b> 0.0	02	
0					30					similar		purple HFLS ald fractures-refle Bi ALT rocks harder	ng cts	95		#18385 70-80			0.04	<b>(</b> 0.0	02	
Dark grey HFLS.								-		fractures cor Po/Py/minor (	ta: py	n HFLS. is dark grey & finer grained	er	96		#18386 80-90			0.04	<b>(</b> 0.0	02	
0								-						27		#18387 ***********************************			0.04	<b>4</b> 0.0	02	
43										102'-3cm dio dyke 25" t.o	ite	dike contains 5-7% Diss Py 109-pink chert Rhod. 109.5 & green 500 to C		97		#18388 100-110			0.07	<b>(</b> 0.0	02	
20					45		11111111111	-		Po/Py diss & as tension gardilling & on FRACTS.	sh	110.5-111 simil		-)7		#18389 110-120			1.04	<b>(</b> ).0	0.2	
!:)				•				-		locally incr. Py		125-127 local mod. Carb. in matrix & outstringers		37		#18390 120-130			0.03			

	1 8	<u> </u>			_	GRA	PHIC	. 1		Т	T			•	<del></del>	CI	R 86-	5 A	oage V	3	
ROCK TYPE AND TEXTURES	Carbonate	Silice - Ind. (	Veine	Factre		Serve type	OG :	Type (6)	S ULPHID E	Est. Grode	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	SAMPLE No.	РЬ	Zn	Ag	Au	•	Zn/Pb RATIO
grey cherty HFLS occ. purple HFLS				36		TITITITITI	1111111		matrix Po/Py	1	130.3-130.8 local 'crackle' incr. silicafic & matrix Bi (pu 132 local Carb	Вх			#18391 130-14	0		0.03	<b>6</b> .0	02	
Hard grey HFLS						THILL	111111111	4	diss Aspy 3cm v. of St. Aspy? Py stringers diss Aspy	En.			90		#18392 140-15	) <u> </u>		0.05	0.0	6	
						Tummin	11111111						90		#18393 150-16 E.O.H	6.6		0.04	€0.0	02	
						THE STATE OF	1111111		couldn't r rods were	een vit	d at 160.6 beca ter hole due to rating excessiv	cav ely	e& in d	lost	circula le. cau	tion sing	at 1	50' s to	cave		
						11111111111	11111111		& brng at	-60	<u>llared from s</u> am <sup>O</sup> for 80'	<u>e 3e</u>	<u>up</u>								
						TITITITI	111111111				<i>y</i>										
							1														

.

HULE NO.: CR 86-5

BEARING: 1500 LATITUDE: PROPERTY: Eldorado Mtn. SHEET No.: 1 of 2

86 LENGTH: 80' DEPARTURE: CORE SIZE: IAQ LOGGED BY: W.A. Howell

DATE COLLARED: July 11/86 LENGTH: 80' DEPARTURE: CORE SIZE: IAQ LOGGED BY: W.A. Howell DATE COMPLETED: July 12/86 DIP: -60° ELEVATION: SCALE OF LOG: DATE: July 13/86

		*	<u>(</u> 2				GRA	APHIC	<u> </u>			:	m ~	Ę٦	TES		A S	SA	Υ	
ROCK TYPE AND TEXTURES	Corb. (3)		Silica · Ind (	\ >	Foults	Cleavege	Rock Type Structure	OG	٠.	S UL PHIDE MINERALIZATION	Est. Grode	REMARKS	FOOTAGE BLOCKS	EST. CORE RE	COMPOSIT SLUDGE	SAMPLE No.		Ag	Au	
casing 0-10 extensive rusty rubble to 26'														30%		#18394 0-10		0.06	<b>(</b> 0.0	D2
10					-				-					65		#18395 10-20		0.04	<b>(</b> 0.0	02
grey hard HFLS 20		İ												*	18117		*	0.01	0.0	02
								11111		22-25 common ground core & rubble of STI	3			70		#18396 20-30		0.16	0.0	42
30		_ -				1			1	4cm Qtz CARB & brown garne	-	occ. CARB strir	gers		#18#8			0.20	0.1	2
1.		-								& Aspy Diss Py/Po		35-35.5 local crackle with Bi ALT along FRACTS	•	80 *	<u>*</u> 18119	#18397 30-40		0.06 <b>0.05</b>	:	
										Diss Py/Po				80		#18398 40-50		(°.117	<b>(</b> ).0	02
5					- -			-	1	heal pods of Po w purple H	FLS	48-local crack! & Bi ALT.		<b>*</b>	<u># 1812</u> 0			0.06	0.0	<b>4</b>
										_		occ. serp. FRA	ers.	15		#18330 50=60		0.07	<b>(</b> 0.0	02
		_			.			=		pouls 20 Po		(?Chl) purple HFLS.		*	# 18122		×	<b>0</b> .07	0.0	64

CR 86-5 page 2 SAUDSE SAUDS SA EST. Core rec. ASSAY FOOTAGE BLOCKS Silica - Ind.( Contacts Voins Faults Bedding Cloovage Structure Grod. Carb (3 SULPHIDE PЬ Zn/Pb ROCK TYPE AND TEXTURES REMARKS РЬ Zn Ag Au MINERALI ZATION Zη RATIO 60 hard grey HFLS. commonly has purple minor Diss #18400 Py/Po 0.05 6.002 (Bi ALT) along FRACTS. FRACT common y 85% 60-70 have Po coating 70 ground core is occ narrow pod #18251 of Po common 0.08 0.004 80 70-80 80 E.O.H. 80' end of contract footage N.B. last sample out of numeric sequence

# Peter Christopher & Associates Inc. GEOLOGICAL & EXPLORATION SERVICES

3707 West 34th Ave., Vancouver, B.C. V6N 2K9

Office/Res: 263-6152

September 2, 1987

Cinnabar Resources Ltd. c/o 1730-999 West Hastings Street Vancouver, British Columbia V6C 2W2

Dear Sirs:

I Peter A. Christopher, Ph.D., P.Eng., hereby consent to the use of my report dated September 19, 1986 and revised September 2, 1987 on the Bonanza Basin Property, Lillooet Mining Division, British Columbia, for assessment work and in any Filing Statement, Statement of Material Facts or Prospectus to be issued by Cinnabar Resources Ltd.

DATED at Vancouver, British Columbia, this 2nd day of September 1987.

Peter A. Christophe

Eng.

## CERTIFICATE OF THE DIRECTORS AND PROMOTERS OF THE ISSUER

The foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by this Statement of Material Facts as required by the Securities Act and its regulations.

DATED Septelo 22	2, 1987
RUII	La That
Chief Executive Officer - BALBIR JOHAL	Chief Financial Officer - LARRY ROBERT JAMES

On behalf of the Board of Directors:

BALBIR JOHAL - Director & Promoter

GREGORY AMOR - Director

GURDEV SINGH JOHAL - Director

#### CERTIFICATE OF THE AGENTS

To the best of our knowledge, information and belief, the foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by this Statement of Material Facts as required by the Securities Act and its regulations.

DATED: Septenbe 72, 1987

CONTINENTAL CARLISLE DOUGLAS

Per:

GEORGIA PACIFIC SECURITIES CORPORATION

Per: