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XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX

November 24, 1973

Letter of Certification

I, Richard E. Hieritz, of 1634 W. Hazelwood Street, #2, Phoenix, Maricopa County, Arizona, does hereby certify that:

- (1) I am a mining engineer, graduated from the University of Wisconsin with the degree of Bachelor of Science in 1939.
- (2) I have practised my profession continuously since then, receiving my Arizona State Registration as a Mining Engineer in 1956 and my Arizona State Registration as a Geologist in 1970, being a member in good standing.
- (3) The report to which this letter is attached and part of, has been prepared on the basis of personal observations on and of the property on November 16, 1973, on the writers general geologic knowledge of the area and on the review and study of available factual data of others.
- (4) I have no direct nor indirect interest in the property.
- (5) I have no direct nor indirect interest, nor do I expect to receive any interest, direct or indirect in the properties or the securities of Silver Exploration Co., Phoenix, Arizona or its affiliates.

Respectfully submitted,

Richard E. Hieritz,
Mining Consultant,
Phoenix, Arizona.

(AC602) 277-6053

A

GEOLOGICAL EVALUATION

and

EXPLORATION

REPORT

On the

BLACK DIAMOND PROPERTY

Magazine Mining District

in

Maricopa County, Arizona

by

Richard E. Mieritz
Mining Consultant
Phoenix, Arizona

November 24, 1973

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- Map No. 1 - INDEX MAP, Central Arizona
- Map No. 2 - REGIONAL GEOLOGY MAP
- Map No. 3 - CLAIM MAP, Black Diamond Property
- Map No. 4 - SURFACE SKETCH MAP, Black Diamond Property.

Balfour Mining Ltd.
1155 - Bentall #2
Burrard St.
Vancouver, B.C.

INTRODUCTION:

At the request of and authorization by Silver Exploration Co., Phoenix, Arizona, the writer completed a field examination on November 16, 1973 of the Black Diamond copper claims located in Sections 26, 34 and 35 of T. 8 N., R. 4 E. and Section 3 of T. 7 N., R. 4 E. (unsurveyed territory) Magazine Mining District, Maricopa County, Arizona. The writer was accompanied by Messrs. Richard Smith, property owner, Charles Skinner and George Adeline.

The writers report, herewith prepared and presented, is based on the field examination, the writers geologic knowledge of the general area and a review and study of factual data provided by the owner. Such data included recorded Affidavit of Annual Labor, recorded tabulated information of claim notices, Inspiration Consolidated Copper Co. settlement sheet, assay certificates from Arizona Assay Office and Valley Assay Office of samples taken by the owner, geophysical data and geo-chemical data provided by Humble Oil and Refining Co.

PROPERTY, LOCATION and ACCESSIBILITY:

Nineteen unpatented lode standard mining claims held by right of location comprise the present property in a contiguous group, (See Claim Map No. 3). The claims are identified as follows:

<u>Unpatented Claims</u>	<u>Recorded Locations</u>	
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Black Diamond # 7	8660	287
Black Diamond # 19	8660	288

The total area of the group would approximate 380 acres. The Affidavit of Annual Labor for year 1971-72 is recorded in Book 9837, Pages 863-873 in Maricopa County Recorders Office, Phoenix, Arizona.

Physical dozer work was being carried forward as part of the annual assessment work for year 1972-73 at the time of the writers visit but the proof of such work has as yet not been recorded.

Mr. Richard Smith, 720 E. Roberts Street, Phoenix, Arizona, is the claimant and owner of the property. The property appears to be in good legal standing.

Although the property is located in unsurveyed territory, by projection, the claims would lie in Sections 26, 34 and 35 of T. 8 N., R. 4 E. and Section 3 of T. 7 N., R. 4 E., G. & S. R. B. & M., Maricopa County, Arizona in the Tonto National Forest.

Travel to the property from Phoenix is north on Cave Creek Road or Scottsdale Road to Carefree, Arizona. From the northern most main entrance to Carefree (Scottsdale Road and paved Forest Service Road #24 through Cave Creek) travel east and north on route 24 through Seven Springs Recreational Area to the junction of Forest Service Roads #24 and #41, (approximately 21.5 miles), about half of which is paved and the balance a gravel. County maintained all weather road. Westward travel (left) for 2.5 miles on route #41, it junctions with Forest Service Road #17 which bears southwest close to the northwest property line and somewhat parallel to it. Travelling southwest for 1.8 miles is a junction to the left, (a large tree on the right being a marker), - which is the access road to the property and in particular the Pit area of Black Diamond claim #2. - the area of greatest interest at the moment.

Forest Service routes #41 and #17 are not all-weather roads, being muddy and slick when wet. The 0.4 mile access road to claim #2 is quite steep and rocky being carved from the hillside alluvium and rock. Automobile travel to the "access road" junction is possible during dry road conditions. Travel on the access road might be difficult on the way out, - upgrade.

FACILITIES:

Public Utility supplied water, gas or electricity are non-existent at or near the property. A power transmission line passes approximately five miles east of the property.

No lodging accommodations are available on the property, the nearest being in Carefree or Cave Creek. The road from Cave Creek or Carefree to the access road junction would accommodate a 20 to 24 foot house trailer. Camping at the latter junction would be ideal.

HISTORY, DEVELOPMENT and PRODUCTION:

Prior to acquisition of the present holdings, early claimants prospected the area for gold because of the varied colored limonite (FeO_x) outcroppings. The copper presence was of no value to these prospectors.

Mr. Smith relocated the claims and since has performed a limited amount of surface exploration as small cuts, pits or trenches, dozer trenches or roads and a small size production Pit on Black Diamond claim #2.

During year 1972, Humble Oil and Refining Co. completed a sketchy geo-physical survey (I.P.) and a "random" sample geochemical survey at or near

various copper outcroppings within the claimed area. The limited, sparse work completed by Humble Oil is not conclusive as to definition of true targets. Apparently no surface geological mapping was completed.

Aside from the surface workings, there are two Adits (± 250 feet long on claim #2 and ± 125 feet long on claim #3 or #4) and two shafts, one 80 feet deep on claim #6 or #7 and a 60 foot shaft on claim #9. All four developments are inaccessible for observation - the longer Adit being somewhat caved at the portal which has backed up about 12 inches of water, the portal of the shorter Adit being covered by the "spoilage" of the surface dozer trench further up the hillside and the two shafts for reason of no ladders. All this work was completed by the early prospectors in their search for gold.

Production-wise, the present owner produced several tons from the Pit on Claim #2 as decorative stone because of the vivid colorful array of the copper oxides, malachite and azurite. Black Diamond Mining Co. in April of 1968 made a trial shipment (probably hand sorted to some extent) of 12.2 tons, mostly from the same Pit, to Inspiration Copper Co., Inspiration, Arizona. The settlement sheet indicates the following contents and the general character of the mineralized material per 2000 pound ton.

Copper	5.55%
Gold	0.06 oz.
Silver	1.54 oz.
Silica	53.00%
Alumina	1.80%
Iron	13.40%
Calcium oxide	2.50%
Sulphur	not assayed

The owner has taken several samples from various locations on the property, - the two Pit areas and the southern most shaft area - and the copper contents of the samples were 0.30, 0.60, 2.60, 5.00, 5.21, 13.72 and 32.30%. The writer cannot vouch for the taking of the samples nor their representation, however, the copper content range is significant as a guide or trend.

GENERAL GEOLOGY:

As shown on Map No. 2 - Regional Geology Map - other than the Quaternary (Qb) and Quaternary-Tertiary (QTb) basalts, the major rock types consist of Cambrian granite and related crystalline rocks and the Yavapai schist. The two basalts overlay these latter rocks, covering same. For the most part, the granite and related crystalline rocks are not usually considered as mineralized and if so, then only very poorly. The very favorable host rock for strong mineralization is the Yavapai schist and it is this rock that the Black Diamond claims cover in part.

The Yavapai schist hosts many excellent mining properties such as the DeSoto Mine, the Blue Bell Mine, the Swastika Mine and the Iron King Mine, to mention a few and all of which were excellent producers, all of which also were prospected for gold in the early days.

The general trend of the Yavapai schist at the Black Diamond property is approximately N. 35° - 40° E. with an 80°NW dip, although locally, reverse dips of 75° - 80° SE were observed. Many local faults were observed and some mapped in the area of the large Pit on claim #2, (See Map No. 4), which appear to complicate the geology to some extent or degree -- and in turn - the mineralized zones. Detailed geological surface mapping would clearly define the complications created by the existing faults.

MINERALIZATION:

The property exhibits favorable horizons in the schist which are recognizable by the moderate to strong concentrations of the varied colored limonites (FeO_x) rock-wise or alluvium discolorations and which are associated with and usually indicative of copper mineralization.

One such zone is apparent in the large Pit on Black Diamond claim #2. Another occurrence, although not clearly defined as the zone on #2 claim, is in the "small" Pit on claim #3 or #4. Other occurrences are located on claims #6 or #7 and #8. Observing Map No. 3, the linearity of these occurrences would indicate a straight line strike-wise projection of the "same" zone for ±8000 feet. The writer feels that the observed and mapped faults could and would influence the indication mentioned. Until the property is geologically mapped surface-wise, the thought of continuous correlation from occurrence to occurrence is not a plausible consideration.

The strongest, most easily defined, most prospected occurrence is the "large Pit" area of claim #2 (See Map No. 4). Here, a favorable zone of 70 to 110 feet in width with a well defined hanging wall has been partially exposed along the strike for 200 to 250 feet. The zone exhibits sparse to strong oxide copper mineralization, mostly as malachite and azurite and perhaps some black oxides. Much live limonite, ranging in color from yellow, yellow-green through the tans and browns, red-brown and reds, are present and indicative of pyrite and chalcopyrite at some shallow depth beneath the surface. The pit does exhibit some evidence and occurrence of copper and iron sulphides. The host rock for a 70 foot width strongly resembles a silicified granitoid and it is more strikingly mineralized than the bordering schist footwall.

The "smaller" Pit occurrence on claim #3 or #4 exhibits copper oxides - fair to moderate - in a 70 foot zone which is not too readily defined by structures but recognizable by the presence of multi-colored limonites of fair to moderate strength. Copper mineralization here is discernable but only weakly so - perhaps 0.5% plus - as malachite and minor azurite and mostly on fracture faces. The Adit dump, about 40 feet vertically below the pit elevation, does exhibit sulphides of iron and copper - the latter being chalcopyrite.

There is not sufficient evidence at this writing to objectively define the mode of mineralization - viz - lenticular type orebodies within the zone, similar to the DeSoto type, or straight forward, continuous zone replacement type.

ORE RESERVES:

Ore reserves, of any meaningful figure as measured, indicated or even inferred - are non-existent at this writing simply because the exploration and development completed thus far merely indicates a "target" for exploration.

PROPERTY POTENTIAL:

Unless Phase I exploration results indicate otherwise, the property potential is confined to an underground operation reserve or potential. The undetermined mode of mineralization can also be resolved by Phase I exploration and when such work is completed, a realistic projected potential could be calculated with greater assurity.

Considering the known occurrences within the property, the mode of mineralization observed, the grade of material chipped as a small lot and the several assayed samples taken by the owner, the writer believes the property could have in excess of 750,000 tons of 2% to 5% copper (average 3%), or in excess of 2,000,000 tons of 1%+ copper content as an inferred potential and dependent on the mode of mineralization present.

Results of a Phase I exploration could easily revise these figures upward if values continue to depth.

PROPOSED EXPLORATION REQUIREMENTS - COSTS:

The writer considers the property in the category of a prospect - but a prospect with good occurrences of copper mineralization. These occurrences however are wide spaced along the general strike of the host rock and only isolated exploration work has been done. A "feel-the-way position exists and such a procedure can best be accomplished by (1) surface dozing of trenches, (2) diamond drilling and sampling and (3) surface geological mapping of the other occurrences and the property as a whole.

Diamond drilling is proposed in the first phase because the utmost need is present for rock structures, rock types, mineralization modes and mineralization distribution (oxides - sulphides) and the correlation of limonite derivatives to provide guide lines for exploration of the other occurrences within the property.

Because of alluvium cover over much of the property, the writer suggests surface dozer trenching normal to the mineralized zone at convenient intervals to expose rock structures, types and mineralization. The same trenches would be used as drill sites as the program progresses.

Surface geologic mapping in the immediate area of the target, working both southwest and northeast of the "Large Pit" area which the writer considers the most developed, most interesting and most promising target of the property at this writing. (See Map No. 4).

The suggested Phase I exploration program and its cost as the writer en-

visions same, is as follows:

PHASE I:

Geological mapping, surface and underground, Fee and expenses, one month	\$ 2,800.00
Cleaning and timbering portal of caved Adit	\$ 700.00
Dozer trenching (to double as drill sites), 30 days @ \$400.-/day	\$ 12,000.00
Surface and underground sampling and assaying, 200 samples @ \$15.00 each, including labor.	\$ 3,000.00
Diamond drilling, 8 holes at 500 feet each, 4000 feet @ \$22.00/ft. including water hauling, personnel expenses, sampling and assaying	\$ 88,000.00
Diamond drill Extras, casing, reaming, etc., 4000 feet @ \$4.50/ft.	\$ 18,000.00
Project Supervision including core logging, etc, 4 months @ \$2,800.00/month as Fees and Expenses.	\$ 11,200.00
Contingencies, overrun of work, under estimate.	\$ 14,300.00
PHASE I total	<u>\$ 150,000.00</u>

The writer envisions a Phase II program, if justified, as utilizing both the diamond drill and a percussion drill (down-the-hole) hammer as well as continued dozer trenching, sampling and assaying and Adit and Shaft rehabilitation for access only.

The diamond drill to be used as the exploratory tool for the other copper occurrences and the percussion drill as a "fill-in" tool, first in the area of Phase I exploration and as a followup behind the diamond drill for the other occurrences.

The suggested Phase II exploration program and its cost would approximate the following:

PHASE II:

Geological Mapping, surface and underground, balance of property, Fee and Expenses, 3 months, @ \$2,800.00/month	\$ 8,400.00
Cleaning and timbering Adit portal, installing ladders in Shafts.	\$ 4,500.00
Dozer trenching, 45 days @ \$400.00/day	\$ 18,000.00
Surface and underground sampling and assaying, 500 samples @ \$15.00 each, including labor	\$ 7,500.00
Diamond drilling, 12 holes @ 500 feet each, 6000 feet @ \$22.00/ft., including water hauling, personnel expenses, sampling and assaying.	\$ 132,000.00
Diamond drilling Extras, casing, reaming, 6000 feet @ \$4.50/ft.	\$ 26,400.00

CONTINUED NEXT PAGE

Percussion drilling, 18 holes @ 500 feet each, 9,000 feet @ \$12.00/ft. including sampling, assaying, personnel expenses.	\$ 108,000.00
Project Supervision, including core logging, Fees and Expenses, 6 months @ \$2,800.00/mo.	\$ 16,800.00
Contingencies, overrun of work, underestimate	\$ 33,400.00
PHASE II total	<u>\$ 355,000.00</u>

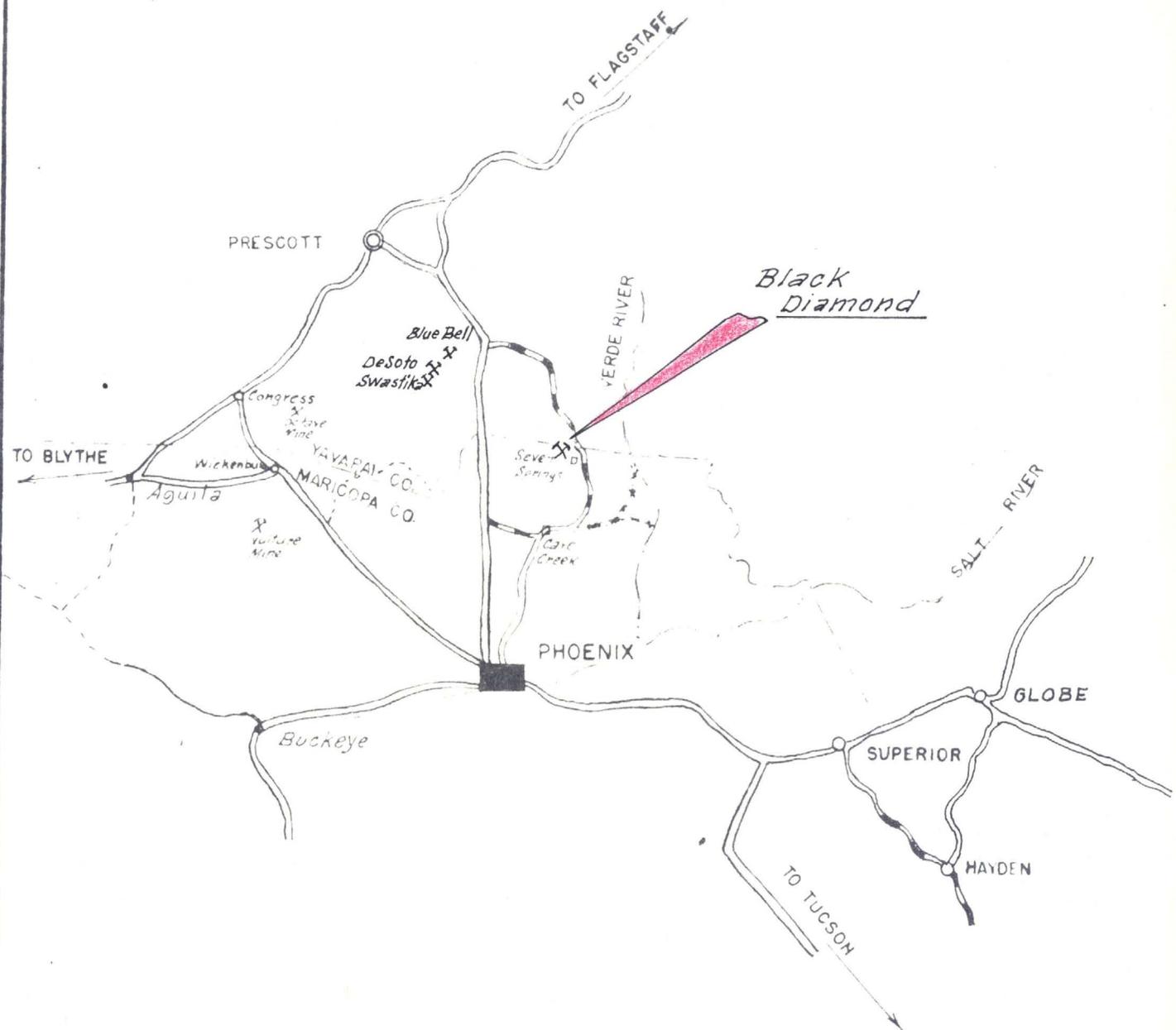
CONCLUSIONS:

Implimentation and completion of these suggested programs reclassify the "inferred" property potential to one of "indicated" and/or possibly a "measured" category in the amounts the writer mentioned previously, possibly more. If successful, the property could earn the distinction of being a "first" major copper producer in Maricopa County.

Respectfully submitted,

R. E. Mieritz,
Mining Consultant,
Phoenix, Arizona.

November 24, 1973



R. E. Mieritz

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INDEX MAP
CENTRAL ARIZ.

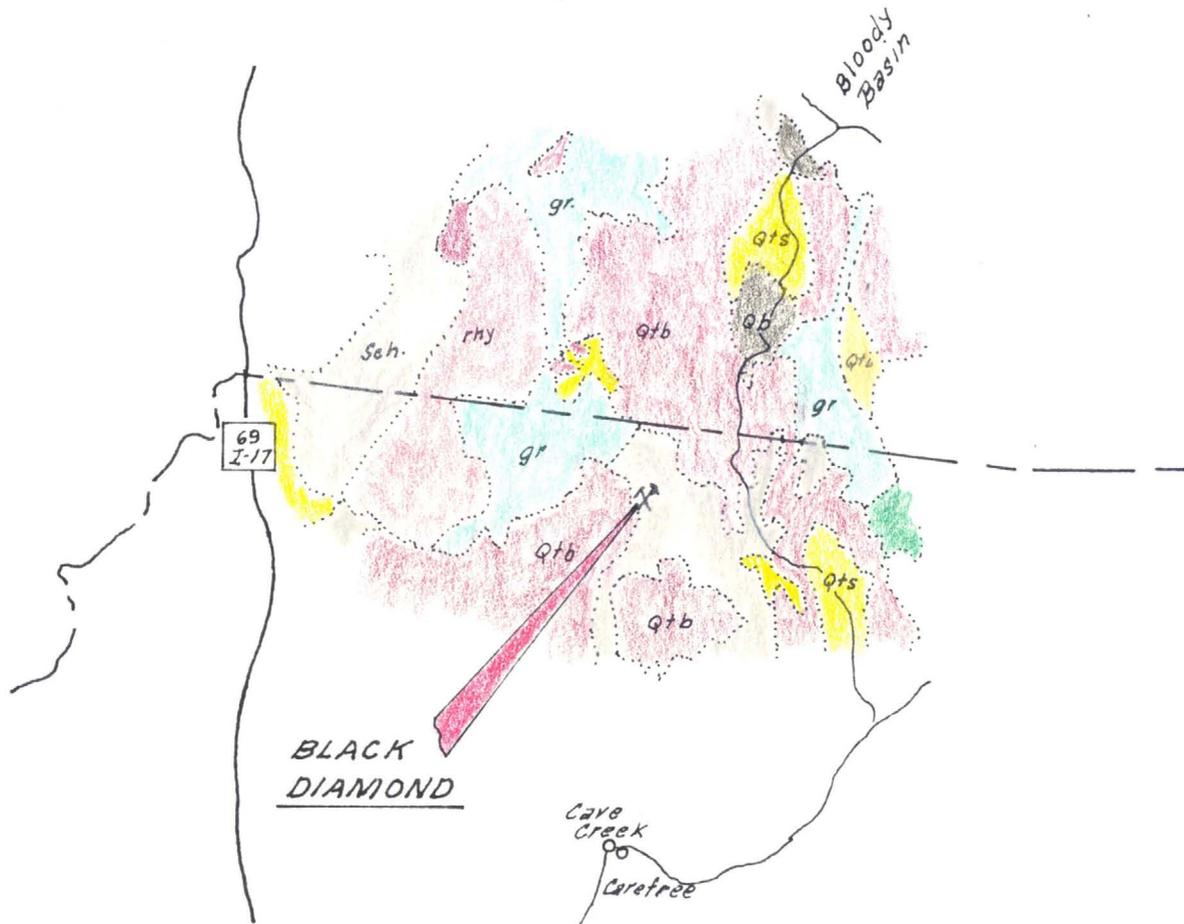
SCALE 1" = 27 MI

R.E. MIERITZ, P.E.

MAR., 1962

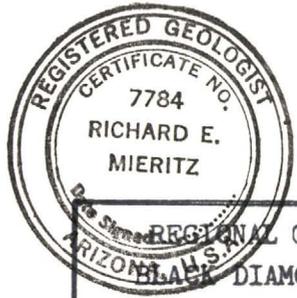
MAP No 2

A-23



LEGEND

- QTs - sand, gravel, cong.
- QTc - Lake deposits.
- Ts - sand, gravel, cong.
- Qb - Basalt.
- QTb - Basalt.
- gr - Granite & related rocks.
- py - Pyroxenite.
- sch - Schist. (Yavapia).
- rhy - Red Rock rhyolite.

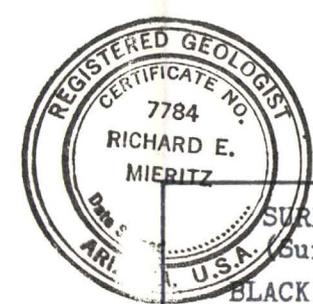


REGIONAL GEOLOGY MAP
 BLACK DIAMOND PROPERTY
 Maricopa County, Arizona

SCALE: 1" = 6 miles.

Nov., 1973 R. E. Mieritz

MAD No 2



SURFACE SKETCH MAP
 (Surface Geology)
 BLACK DIAMOND PROPERTY
 Maricopa County, Arizona
 SCALE: 1" = 50 Ft.
 Nov., 1973 R. E. Mieritz

MAP No 4

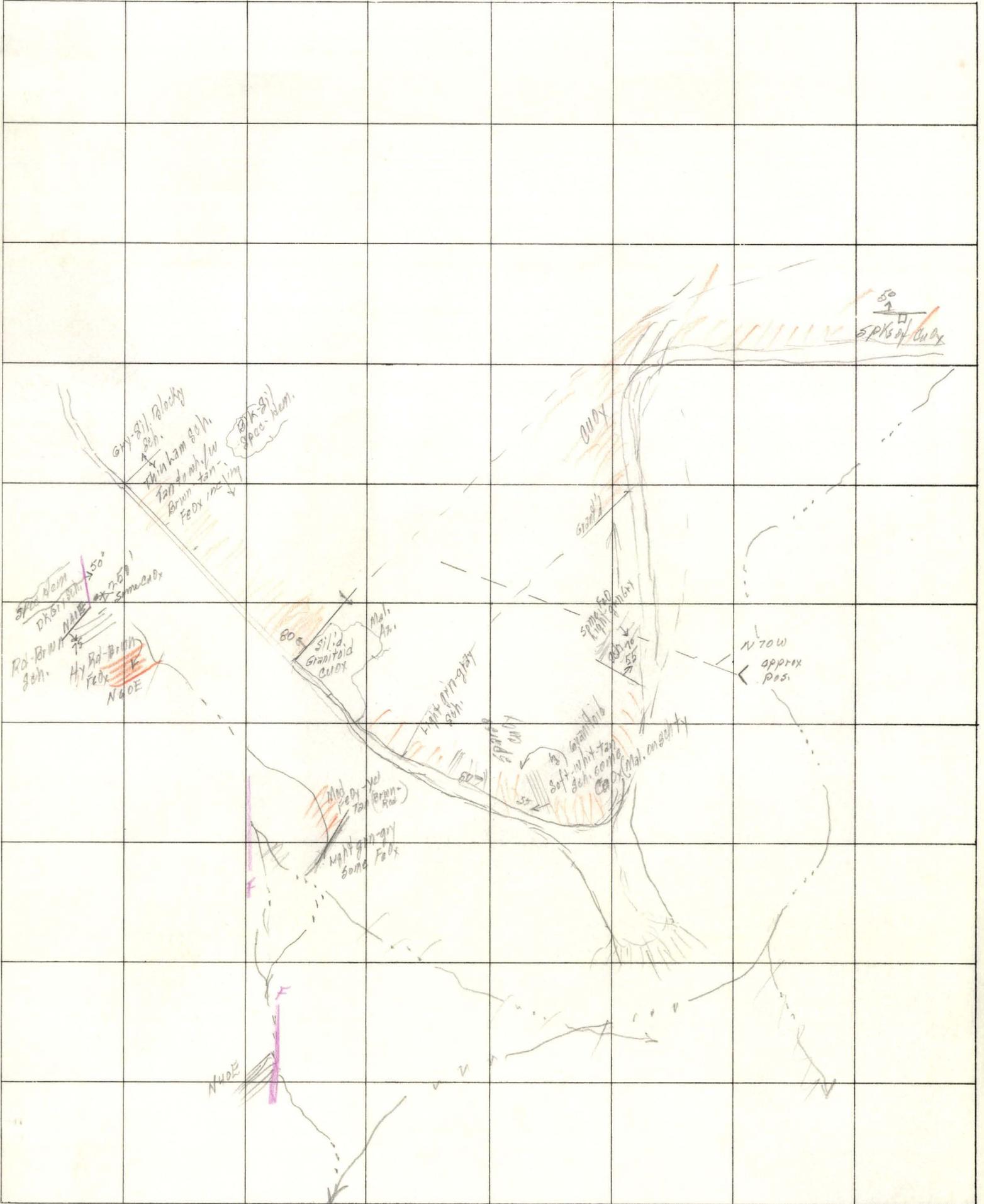
Sec 34-25 T. 8 N. R. 4 E. § 200 2-3 T. 7 N. R. 4 E.
 205.1 2. Spmgs Turnoff U.S. #1 24.48 F17 (Nov 08)
 223.7 276.6 229.1

(turnoff left) cut
 230.9 (231.3)

Start 424.2
 #A1 426.3 2.1
 #24 429.2 2.9
 Pavement 452.7
 Curve 51.8

Total 642 miles. B.C. Curve - Pads.

82.6 64.2
 24.2 12.9
 58.4



MINE _____ LOCATION _____ LEVEL _____
 GEOLOGY BY _____ SURVEY _____ DATE _____ SCALE _____
 N _____ E _____ EL. _____

INTRODUCTION:

At the request of and authorization by Balfour Mining Ltd. Vancouver, B. C., Canada, the writer completed a field examination on November 16, 1973 of the Black Diamond copper claims located in Sections 26, 34 and 35 of T. 8 N., R. 4 E. and Section 3 of T. 7 N., R. 4 E. (unsurveyed territory), Magazine Mining District, Maricopa County, Arizona. The writer was accompanied by Messrs. Richard Smith, property owner, and George Adeline.

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CONCLUSIONS:

Implimentation and completion of these suggested programs could re-classify the "inferred" property potential to one of "indicated" and/or possibly a "measured" category in the amounts the writer mentioned previously, possibly more.

Respectfully submitted,

R. E. Mieritz,
Mining Consultant,
Phoenix, Arizona.

November 24, 1973

1-26-74

WILLARD D. PYE
Consulting Geologist

3418 NORTH FORGEUS AVENUE
TUCSON, ARIZONA 85716

TELEPHONE 327-2956

October 29, 1973

Mr. Richard Smith - 942-2870
Phoenix, Arizona

Dear Mr. Smith:

In regard to your request of the other day to up-date the copper ore potential of the Black Diamond claims, it will not be possible for me to make a field check of the results of the work that has been done on your claims, since my report on them of 1971, for several weeks.

It was interesting to learn of the work that has been done since my visits to them of 1969 and 1971 in the way of new cuts, geochemical work, geophysical surveys, assays and so forth. Based upon my knowledge of the area from the earlier examination and the new data you supplied me covering work that you and others had done on the property, I am making an "office" estimate of tonnage of ore that may be expected to be found on the property.

Since 1969 the following important developments have occurred relative to the property:

1. The original 6 claims which you held at the time of the 1969 examination have been expanded to 19 claims.
2. A mineralized area some 1500 feet south of the southernmost mineralized area examined in 1969 has been found and claimed.
3. A 70 plus foot cut has been put across the mineralized vein area of tunnel T-3.
4. Two I.P. and magnetic survey lines have been run across the southern portion of the claims.
5. Extensive geochemistry sampling and analysis for copper, zinc and lead have covered the claim area.
6. Additional assays have been made of mineralized areas.

The basic geology as given in the 1971 report has not appreciably been changed. The mineralization occurs as oxides at the surface grading down into sulfides at depth. The mineralization is in lenses which lie essentially parallel to the trend of the enclosing Yavapai Schists in both vertical and horizontal directions. The lenses are nearly vertical bodies of tens of feet in width, or at the most a few hundred feet in width. They trend in a northeasterly direction with a length in the magnitude of hundreds or possibly a thousand feet. The vertical dimension is unknown, but experience in the area suggests a vertical dimension in the order of hundreds of feet.

Detailed work will show the veins pinching and swelling, but being generally lenticular in shape. A vein may pinch-out, or essentially pinch-out, and then several hundred feet along the trend may re-develop. More frequently the re-development is in the form of a new lens that may be off-set to the first lens at an indefinite distance, but parallel in direction to it (en echelon); other times one or more lenses may over-lap another lens but again separated by a distance of barren rock.

Usually the veins are associated with siliceous, often iron stained dikes or ribs of hard, resistant rock.

Mineralization is essentially copper bearing minerals with some silver and gold bearing minerals, or in the case of gold, the native metal. The oxides of the copper minerals at the surface may occur as high grade pockets, usually of limited extent, which may run over 20 percent copper. Outside of the high-grade pockets, mineralization is of lower grade, assays showing 1 - 5 percent copper. Dissemination by ground water results in the copper content being disseminated outward from the central vein into the barren rock, although in places the mineralization has been fairly well confined. The lower grade copper in these out-lying areas away from the main vein ranges from nil to one percent.

The tonnage estimate of 150,000 tons of the 1971 report was based upon very conservative factors since relatively little data were available upon which to base a reasonably accurate prediction of the tonnage of copper mineralization which might underlie the claims. The limits used were determined as

1. Width of exposed vein
2. Depth of exposed vein (shaft, underground workings, etc.) with no allowance for any depth below the lowest exposure.
3. Projection along strike of vein of only 100 feet each way from the exposure.

An "exposure" used in extrapolating tonnage, was a strong, well developed area of mineralization with a mineable width.

The 1971 report stated that "It is estimated that there are at least 150,000 tons of probable ore. . . a large possible ore tonnage is probably available from the claims since the regularity and persistence of the veins suggest a greater continuity than was given in determining the probable ore. . ." The geochemical and geophysical data have confirmed and strengthened the regularity and continuity of the veins both as to length and as to depth. They have also added information as to new mineralized areas, widths of mineralized areas and have otherwise supplemented the information given by old and new cuts, shafts, tunnels and other workings.

Except around shafts, which give a vertical dimension to the mineralization, the tonnage of mineralization which may be present is based upon the surficial exposure with the amount of relief on the land surface in the mineralized area giving a clue as to the vertical dimension of the mineralized body. A strongly mineralized surface area of considerable extent may suggest a substantial underlying tonnage, but without some clue as to a vertical dimension a statement of tonnage is little more than a guess.

Nevertheless, taking all factors into consideration, and pending a field examination of the new developments on the claims, tonnage of possible ore can be estimated as ranging from 1,000,000 to over 3,000,000 tons depending upon the degree of certainty desired and grade of copper cut-off. This tonnage should carry 1 - 2 percent copper although there will be areas which may carry better than 5 percent copper, but there will also be leaner areas than the 1 - 2 percent average suggested in the above tonnage estimate.

If there is any further information you desire, please let me know.

Sincerely,

Willard D. Pye

Willard D. Pye
Consulting Geologist
Arizona State Board of Technical
Registration # 4033



P.S. Because of lack of dimensional data, some mineralized areas have not been assigned a tonnage factor; these may or may not add to the total tonnage as exploration gives more data on them. *W.D. Pye*

INSPIRATION CONSOLIDATED COPPER CO.
SMELTING DEPARTMENT

Smelter Lot 9005 Shipper Lot 1

DATE May 13, 1968
Date Received April 20, 1968

BOUGHT OF Black Diamond Mining Company
Street 112 E. Rivera Drive City Tempe, Arizona

Initial	CAR Number	WET WEIGHT	Moisture %	DRY WEIGHT	N. Y. QUOTATIONS					
ICC	921	27,340	7.06	25,410	Copper (per lb.)	42.212	Less	5.254	=	36.962
					Silver (per oz.)	231.400				
					Gold (per oz.)	32.71				
ASSAY and ANALYSES	Copper %	Silver Oz.	Gold Oz.	Silica %	Alumina %	Iron %	Lime %	Sulphur		
	5.25	1.54	.060	53.0	1.8	13.4	2.5	-		

PAYMENTS PER TON					DEBITS	CREDITS	Value For Freight
Copper	111.00	Lbs. per ton, less 10 %	99.90	Lbs. at 36.9624	\$	\$ 36.93	\$
Silver	1.54	Ozs. per ton, less 5 %	1.46	Ozs. at 231.400		3.38	
Gold	.060	Ozs. per ton, less - %	.060	Ozs. at 432.70		1.93	
Less Metal Values $\$42.24 - 15.00 = \27.24					2.50		
					.11		
Treatment Charge					9.50		
TOTALS					12.11	42.24	
Net Value per ton						30.13	

Net Value for Freight Charges, per wet ton 12.105

Value to be paid to	12.105	Dry tons at \$ 30.13	\$ 365.80
Sampling		tons at	
Freight			
Trucking			
AMOUNT DUE SHIPPER			382.80
Less % Royalty			
NET AMOUNT DUE SHIPPER			382.80

Correct [Signature] Approved R. F. Morrison
[Signature]

FORM 12 A K. P. S.

INSPIRATION CONSOLIDATED COPPER COMPANY

SMELTING DEPARTMENT
ASSAY CERTIFICATE

Inspiration, Arizona

Name _____

Black Diamond Mining Co
MINE

Class _____

Lot _____

Date _____

March 14 1967

Smelter Lot	Per Ton of 2000 Lbs.		Per Cent Copper	Per Cent Insoluble	Per Cent Si O ₂	Per Cent Al ₂ O ₃	Per Cent Fe	Per Cent CaO	Per Cent S	Per Cent
	Oz. Silver	Oz. Gold								
	<i>6.54</i>	<i>0.020</i>	<i>20.37</i>		<i>56.5</i>	<i>5.8</i>	<i>3.7</i>	<i>0.8</i>	<i>5.0</i>	

L. D. Francis

Chief Chemist

Shop No. 2405
 File No. 1081 S M

Date 27 APRIL 1967

VALUES
 Latest Quotation
 1 oz. Gold.....
 1 oz. Silver.....
 1 lb. Copper.....
 1 lb. Lead.....
 1 lb. Zinc.....

Arizona Assay Office

815 NORTH FIRST STREET

Phone: 253-4001

Phoenix, Arizona 85001

P. O. BOX 1148

MR. RICHARD STELLI
 720 E. ROBERTS ROAD
 PHOENIX ARIZONA

Short Ton 2000 Lbs.
 Short Ton Unit 20 Lbs.
 Long Ton 2240 Lbs.
 Long Ton Unit 22.4 Lbs.

THIS CERTIFIES
 Samples submitted for assay
 contain as follows:

MARKS	SILVER PER TON		GOLD PER TON		TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE		REMARKS
	Ozs.	Tenths	Ozs.	100ths				
DIAMOND # 2	8		01		5.00			5.00 <i>Est on surface</i>
DIAMOND # 3	2	2	06		5.21			5.21 <i>hand yrd.</i>
DIAMOND # 5	3	2	06		13.72			13.72 <i>& shaft</i>



Charges \$.....16.50 PAID.....

Assayer.....

ANDY CHUKA, PRINT

JACK STONE Reg. No. 3479

**VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY**
MEMORANDUM OF ASSAY

Made for Richard D. Smith

Tempe, Arizona.....Sept. 10....., 1973

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			PLATINUM, OR			ZINC, OR			TOTAL	
	GOLD, PLATINUM				SILVER							Platinum, Oz.							
	AT	PER OUNCE			AT	PER OUNCE			AT	PER LB.		AT	PER OZ.		AT	PER LB.		\$	Cts.
OZS.	100's	\$	Cts.	OZS.	100's	\$	Cts.	%	\$	Cts.	%	\$	Cts.	%	\$	Cts.	\$	Cts.	
<i>1/25'</i> UPPER TUNNEL 1 st BLACK ore Lo at ex Tunnel cut East 2 side	0.	03			0.	60			.30			.03							
UPPER TUNNEL 3 rd FRENCH on Top Extreme East cut	0.	03			1.	80			0.60										
REMARKS:																			



NO.

BY J. E. Smith
Registered Assayer.

CHARGE \$ 41.00 Pd...

SILVER EXPLORATION CO.

EXPORT and IMPORT

318 NORTH 18th STREET • PHOENIX, ARIZONA 85006