MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. _____ Docket No. 6643

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and Attachments

Right Side

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam. Report (Tab) 9/12/67
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports
- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty Material

72195-65

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
July 27, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 31 1967

INITIALS	CODE

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Transmittal of New Application for Financial Assistance (Silver)
King Solomon Mines, Inc.
King Solomon Group
Boise County, Idaho

In a letter with which he forwarded the enclosed application, J. H. McKnight, president of King Solomon Mines, Inc., requests that a prior application docketed OME-6612 be withdrawn and this one be substituted.

During a field examination June 13 and 14, 1967, relative to OME-6612, Frank C. Armstrong was told that a revised application limited to exploring the Washington Group and adjacent claims would be submitted. Presumably, the applicant still intends to do so. Since the enclosed application involves a property not included in the prior one, it is recommended that it be assigned a new docket number and that OME-6612 be considered as withdrawn.

The applicant proposes to explore the King Solomon vein by bulldozing 1,200 feet of access roads, preparing four drill sites and diamond drilling two holes from each site for a total of 3,050 feet of NXWL hole. The applicant estimates this project will cost $66,441.94, of which the Government's share will be 75 percent or $49,831.45. Included in the cost is $21,116.00 for personal services plus $1,000.00 for "geological consulting." These two items make up 33 percent of the total cost which seems to be exorbitant.

Frank Armstrong expects to be in the area soon and will make an examination as agreed during our telephone conversation on July 27, 1967.

D. R. MacLaren

D. R. MacLaren

Enclosures

King Solomon Mines
Incorporated
P. O. BOX 166
Idaho City, Idaho 83631
PHONE 344-7545 BOISE, IDAHO

2909 Kootenai St.,
Boise, Idaho 83705
July 22, 1967

Office of Mineral Exploration,
Geological Survey,
129 South Howard St.,
Spokane, Washington.

Ref: Docket #6612 & New Application.

Gentlemen:

We have revised our immediate exploration program, and would appreciate your cancelling the application which has been assigned docket # 6612, and substituting this new, revised program in it's place.

We would appreciate anything that can be done to expedite this new application so that we might start our program as soon as possible, if approval is forthcoming.

We have requested bids on the actual drilling from 4 firms, but have received only two replies.

We have also requested bids on the cat work, surveying and accounting work. We will forward any other bids which come in.

Sincerely,

King Solomon Mines, Inc.,

J. H. McKnight, President.

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JUL 24 1967
O. M. E.
SPOKANE, WASH.

MME Form 40
Jan. 65

RECEIVED
JUL 24 1967

Budget Bureau No. 42-R158
Approval expires Dec. 31, 1968

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

King Solomon Mines, Inc.,
2909 Kootenai St.,
Boise, Idaho 83705

APPLICANT DO NOT ~~USE THIS BLOCK~~

DOCKET NUMBER 6643

DATE RECEIVED 7-31-67

REGION 1

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL	
CORPORATION	X
PARTNERSHIP	
OTHER *(Specify)*	

STATE IN WHICH FIRM IS ORGANIZED Idaho

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
J. H. McKnight	1370 Hill Road, Boise.	President
Paul D. Nelson	2909 Kootenai St., Boise.	V. Pres.
Albert D. Given	1508 Parker Ave., Caldwell.	Sec-Treas.

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
Silver

ESTIMATED COST OF PROJECT
$ $66,441.94

PROPERTY
NAME King Solomon Vein
King Solomon Mines

LOCATION
COUNTY Boise
STATE Idaho

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior,* ~~Washington, D.C., or with the nearest OME Field Office.~~ Washington, D. C., 20242, or with the nearest OME Field Office.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

King Solomon Mines, Inc.,

~~July 22, 1967~~
DATED

J. H. McKnight
BY *(Signature)*

President.
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT.-DUP. SEC., WASH., D.C

King Solomon Mines, Inc.,

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O. M. E.
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JUL 31 1967

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P R O G R A M D E T A I L S

'SILVER EXPLORATION IN BOISE COUNTY,IDAHO'

1. FINANCIAL ELEGIBILITY

1 (a)

This program has been submitted to two local banks and the correspondence in connection therewith is attached hereto as exhibit 1 (a)

1 (b)

King Solomon Mines, Inc., is an Idaho Corporation and is the principal and has no affiliated or parent company.

1 (c)

Authorized capital stock remaining as treasury stock has been subscribed in sufficient amount to supply the necessary money to accomplish the program outlined herein, and supply the operators portion (25%) and working capital sufficient to start the program is available.

Re-investment of a considerable portion of the salaries of King Solomon personnel will supply a portion of the funds as the program develops.

2. APPLICANTS RIGHT IN THE LAND

2 (a)

King Solomon Mines, Inc., is the lessee, on all lands involved in this program, and copies of mineral leases, agreements and other legal documents establishing these rights are appended to this application as exhibits 2(a) 1 and 2 (a) 2.

2 (b)

The attached map locates and lists the full legal description of all lands involved in this program. (exhibit 2 (b) 1)

Adjacent lands controlled by King Solomon Mines, Inc., consist of the following blocks designated on the map (exhibit 2 (b) 2) as the Washington Group, Gambrinus Group, Federal Reserve Group, Balboa Group and American Girl Group. These properties are not yet sufficiently prospected or developed to qualify them for drilling at this time.

2 (c)

Formal inquiries have indicated that MME form 52 can not be obtained, and letters of inqiry and replies are attached as exhibit 2 (c) 1, and 2 (c) 2.

In lieu of the lien agreements, (MME form 52) King Solomon Mines, Inc., proposes to furnish performance bonds on form 25 as required.

3 PHYSICAL DESCRIPTION

3 (a) Local Historical records of the King Solomon Vein is that it is a new discovery (1960) although many old prospect holes and two short tunnels were discovered in the vein area.

The property consists of 340 acres in T6N, R6E, B.M. as shown on the attached property map exhibit [redacted] 2(b) 1 180 acres are leased from the Boise Cascade Corporation, and 160 acres leased from the State of Idaho.

Development thus far consists of deep dozer cuts through the vein structure exposing a major fissure vein which contains lenses of high grade silver ore with some gold values. The vein was originally charted by geo-chemical exploration using the associated arsenic as a tracer, and then crosscuts through the arsenic anomalies exposed the vein along some 700 feet of strike.

Production: Experimental milling and gravity separation have been tried on a small scale.

Ores: The tenor of the ore as reported in hundreds of assays indicate the probability of a high grade silver vein and a mineable deposit of better than $25.00 per ton for vein average. (See exhibit 3(g))

3 (b) King Solomon Mines, Inc., has had no interest in any of the past activities in the properties it is now proposing to explore other than the development listed herein.

3 (c) Production Records: Smelter returns from two carloads of surface mined material shipped to Tacoma Washington in 1962, and a shipment of gravity concentrates obtained from experimental milling in 1965 are reported on the attached exhibit 3 (c) 1, and 3 (c) 2.

The rail shipment was not selectively mined, and dilution by open cut mining was excessive. Spotty ores in the leached zone contributed to poor sampling and poor results.

3 (d) Ore Reserves: Ore exposed in cut 2, has not been sampled at depth, and reserves are not known, the oxide zone ore is spotty and varies widely from a trace of silver to more than 100 ounces per ton.

3 (e)

The King Solomon Vein consists of a Tertiary silver mineralized shear zone en echelon to the other known veins of the Gambrinus mining district to the North and East. The vein outcrop is situated near the crest of an arcuate East-West trending ridge with 300 feet of relief sloping gently to the South and abruptly to the North into the Illinois Gulch. The average strike of the slightly arcuate vein and in the vicinity of cut 2 is N75° West, dipping 52 to 64 degrees to the Southwest.

The vein or shear zone has been subjected to several crustal movements and periods of mineralization from late or post Cretaceous to the Present. The present surficial rocks following the emplacement of the Idaho batholith were rebroken repeatedly by reocurring crustal movements and were intruded at different periods by diabase, porphry, aplite and pegmatite dikes which in part parallel the present vein complexes. By Tertiary times and to the present or until deep entrenchment of the present drainage system, the surficial zones of weakness were subjected to subsequent crustal movements and mineralization by emanating ground water and magmatic fluids and gasses. The results are as follows: Early hydrothermal lode deposition of relatedly barren quartz followed by an interval of argentiferous quartz, a crustal movement and brecciation with subsequent or second argentiferous quartz mineralization which in turn was followed by silver and gold enrichment with a series of subsequent allied element mineralizations.

Consequently, the vein complex consists of mineralized

3 (e) Continued.

brecciated gouge, sericite, alunite clay and quartz veins encased in slickensided and highly altered country rock. The footwall consists of heavily limonized fractures and stained porphritic highly altered grano-diorite-quartz-monzonite facies carrying in places (large) accumulations of alunite. The hanging wall consists of a less porphyritic coarse grained facies of grano-diorite-quartz-monzonite with scattered lenses of manganese dioxide. This wall is also highly altered, limonite stained and more highly fractured than the footwall. Both walls contain aplite and pegmatite dikes and carry silver and gold but in greatly diminished quantity compared with the vein. The footwall runs higher in such values than does the hanging wall.

The identified silver minerals are as follows in decreasing abundance in the surficial rock: argentite, proustite, pyrargyrite, pearceite, native gold and silver. Some local areas near the surface show considerable cerargyrite. The U.S. Bureau of Mines, Metallurgical Center, Salt Lake City, Utah has confirmed the above list of minerals and noted the relationship of arsenic to the silver minerals.

The attached exhibit 3 (e) 1 and 3 (e) 2 depict in field sketch form the vein structures as exposed in cut 2 now.

3 (f)

Ore is apparent in the present cut 2, and lineal tests and assays along the strike confirm ore anomalies. Assay maps,

3 (f) Continued.

geo-chemical mapping, assays and supporting data is attached as exhibit 3 (f)

3 (g)

Reference is herein made to our previous application, docket #6612, which included the geologic and engineering reports of the area.

See Also Exhibit 3(g) 1

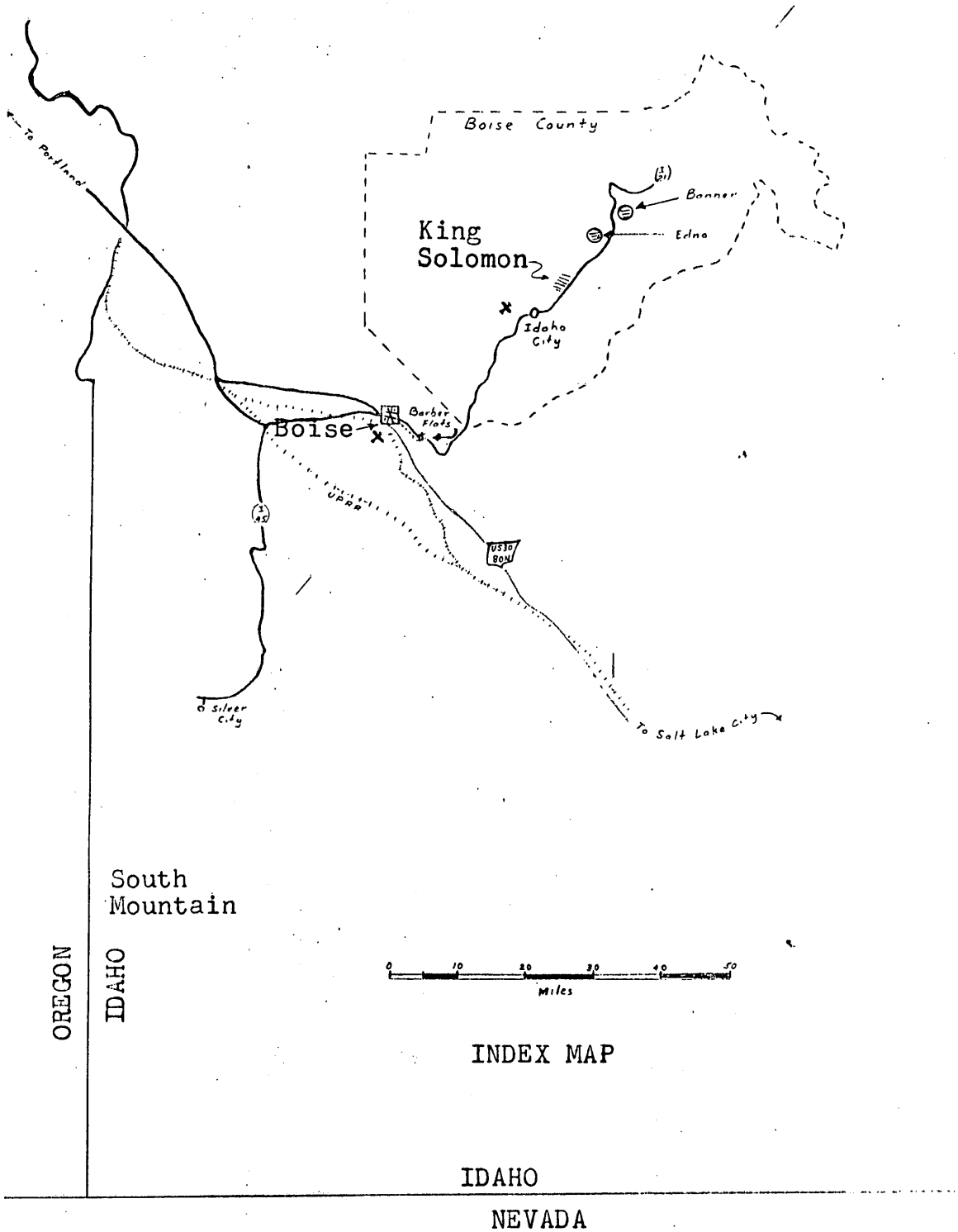
4 Accessibility of Property

4 (a) J. H. McKnight, 2909 Kootenai St., Boise, Idaho 83702, Phone 344-7545 (Boise) is available to direct OME representative to the property, and may be reached by phone or mail as listed above.

Property and mine workings are readily accessible, see index map 4 (a) 1.

4 (b) The property is about 44 miles Northeast of Boise on State Route 21, approximately ½ mile off the oiled road, and is serviced by a good internal road system. The rail siding at Barber, 4 miles East of Boise or sidings in Boise itself are good rail shipment points. Trucking terminals in Boise are within reasonable transfer haul distance from the mine for shipping and receiving.

King Solomon Mines, Inc.



INDEX MAP

Ex 4 (a) 1

5 EXPLORATION WORK

5 (a)

The proposed initial exploration work for the King Solomon Mine is in four successive stages to evaluate the existence of a significant discovery at depth along 640 feet of surface vein strike.

The four stages will require the cutting of 3050 feet of NX core from the surface through the major King Solomon vein and parallel veins in 30 and 60 degree inclined holes. The inclined holes are anticipated to penetrate the major vein at nearly right angles and are located to produce the optimum results and depth on the vein with a minimum of core hole footage by selective utilization of the terrain.

The sectional profiles for drill sites 1 through 4 attached show the relationship of terrain, vein structure and core hole complex location. The average vein dip is anticipated to be in the order of 60 degrees to the Southwest. It will be noted that each of the following core hole depths exceed the minimum depth of penetration - this is to insure total penetration of the major vein in the event of dip change, hole deviation or measurement errors. The drill depth shown will be cut to assure 25 to 50 feet of footwall penetration after transiting the major vein. The 30 degree inclined hole of drill site 4 is the major exploratory test of this series and it should pick up any parallel vein structures which may exist.

All core holes are to be surveyed for directional deviation at 50 foot intervals and at both faces of core hole-vein intersections.

Pre-stage work:-

A survey to locate on the ground the drill site locations and drill trail, and tie these in and map them with the quarter corner stake in the Illinois Gulch .

Drill site, drill trail and laboratory site preparation at each of the sites.

<u>STAGE 1</u> - Drill site complex 1 with two inclined core holes is located 185 feet S13 W of the vein intersection in cut 2. The first hole is inclined 30 degrees and cut to a depth of 200 feet to penetrate the major vein at a depth of 160 feet on the dip. The second hole is inclined 60 degrees and cut to a depth of 300 feet to penetrate the major vein at a depth of 300 feet on the dip. (Refer to stage 1 profile)

5 (a) Continued.

STAGE 2 - Drill site complex 2 with two inclined core holes is locate 298 feet S34 W of the center of the prospect pit West of cut 4 and to intersect the vein along it's strike 320 feet East of the core hole intersections in stage 1. The first hole is to be inclined 30 degrees and cut to a depth of 300 feet to penetrate the major vein at 210 feet on the dip. The second hole is to be inclined 60 degrees and cut to a depth of 350 feet to penetrate the major vein at 340 feet on the dip.

STAGE 3 - Drill site complex 3 with two inclined core holes is located 215 feet S9 W of the vein from a point 125 feet N 88 W of station M and to intersect the vein along it's strike 320 feet West of the core hole-vein intersections in stage 1. The first hole is to be inclined 30 degrees and cut to a depth of 300 feet to penetrate the major vein at 210 feet along the dip. The second hole is to be inclined 60 degrees and cut to a depth of 350 feet to penetrate the major vein at 350 feet along the dip.

STAGE 4 - This final test in the series is the most important Stage of the series and will probe to greater depth beneath the cut 2 mineralized area. Drill site complex 4 with two inclined holes is located 600 feet S13 W of the vein intersection in cut 2. The first hole is to be inclined 30 degrees and cored to a depth not less than 600 feet to penetrate the major vein at a depth of 400 feet along the dip, and to evaluate and confirm existing parallel veins, and explore at depth, features behind the major King Solomon vein. The second hole is to be inclined 60 degrees and cored to a depth of 650 feet to penetrate the major vein at a depth of 695 feet along the dip of the vein.

5 (b)

Access Roads The 4 stages of the project will require a quarter of a mile of drill trail and drill site preparation with a bulldozer. Only three of the drill sites require construction of this limited amount of drill trail. The fourth is currently accessible. Refer to the Mine Index and Topographic maps attached as part of section 5 exhibits.

Drill Site 1, for the first stage is currently accessible.

Drill Site 2, will require 210 feet of drill trail.

Drill Site 3, will require 600 feet of drill trail.

Drill Site 4, will require 390 feet of drill trail

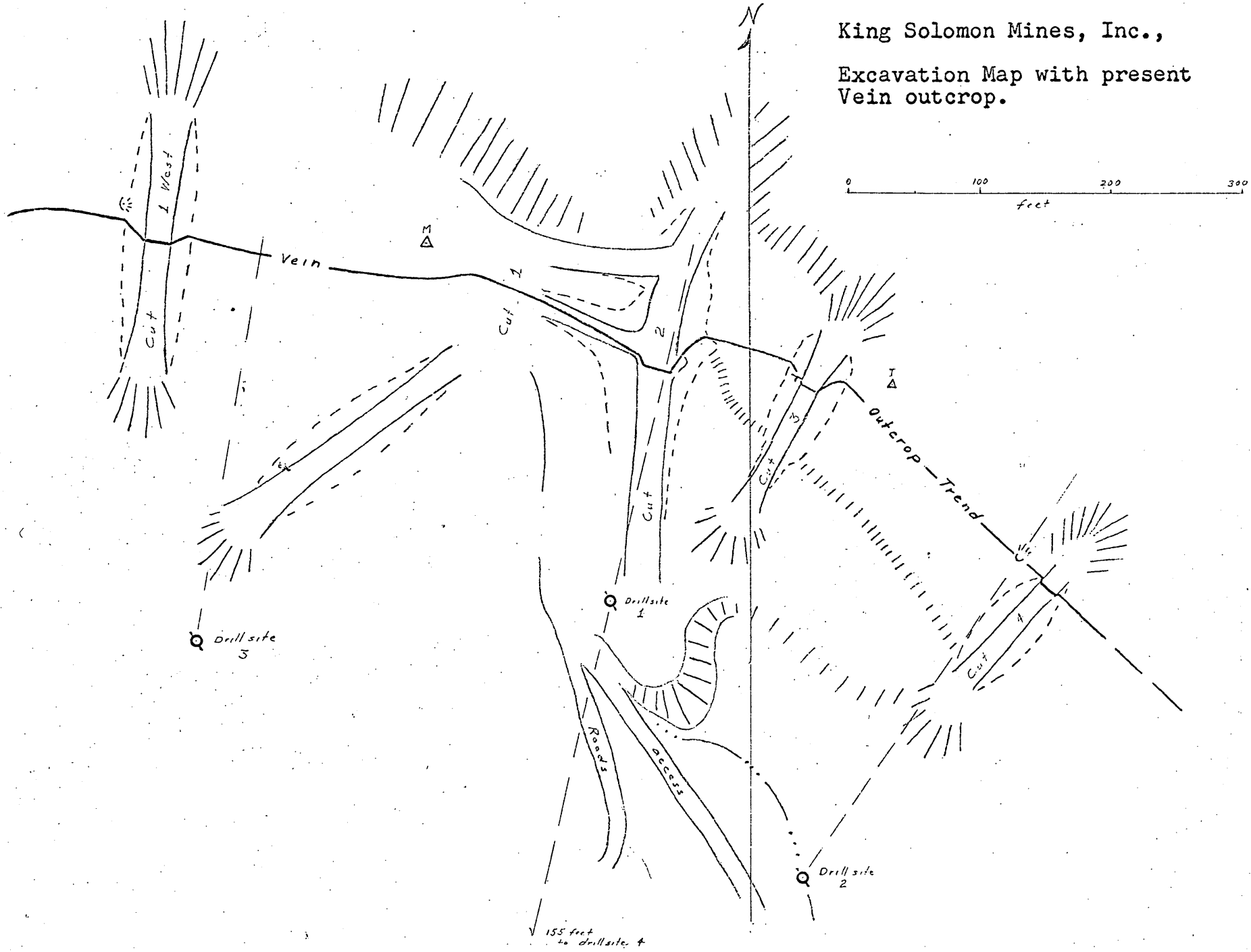
These trails will need to be constructed to accomodate a truck mounted drill rig and to meet minimum Forest Service requirements.

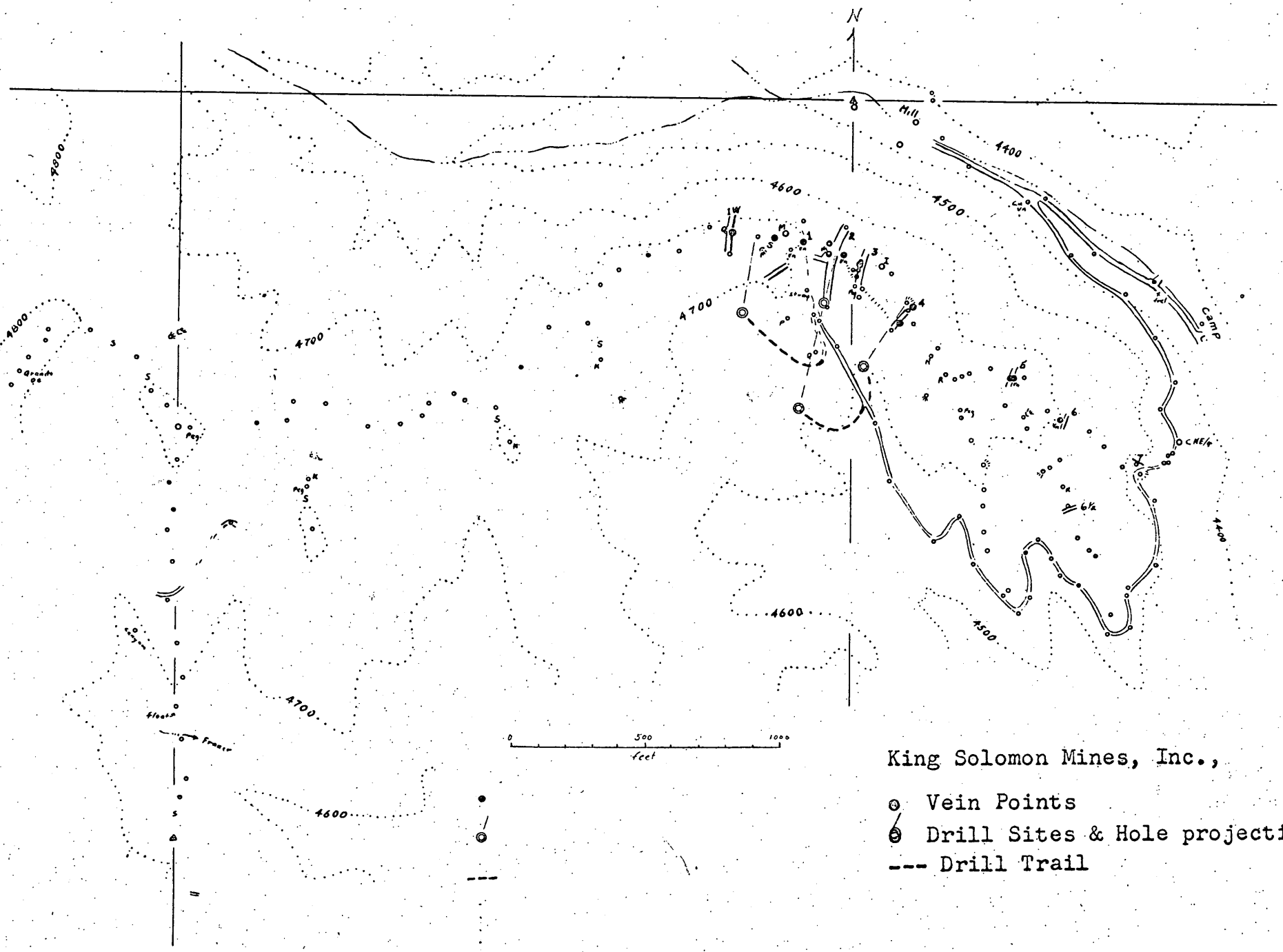
5 (c) If an OME contract is executed, work would be started within ten days, with an average of 25 feet per day of core drilling after initial survey and dozing period.

It is hoped that a contract can be executed so that drilling can be started in September, with the possible completion of at least two and possibly three of the stages before cold weather shut-down. Stage four would then follow on in the Spring of 1968 as soon as weather permitted. The winter period could be utilized to evaluate the core recovered.

King Solomon Mines, Inc.,

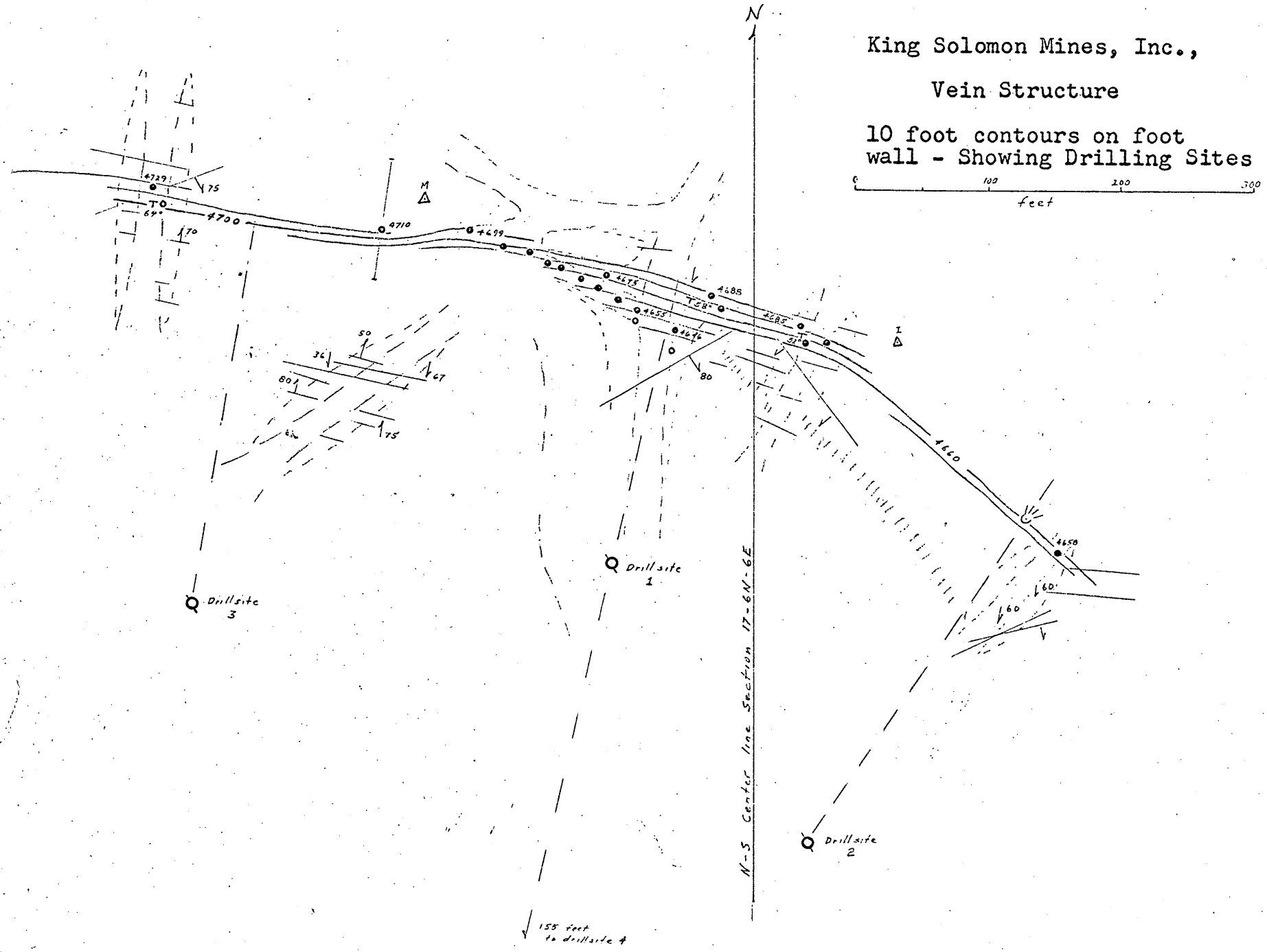
Excavation Map with present Vein outcrop.





King Solomon Mines, Inc.,

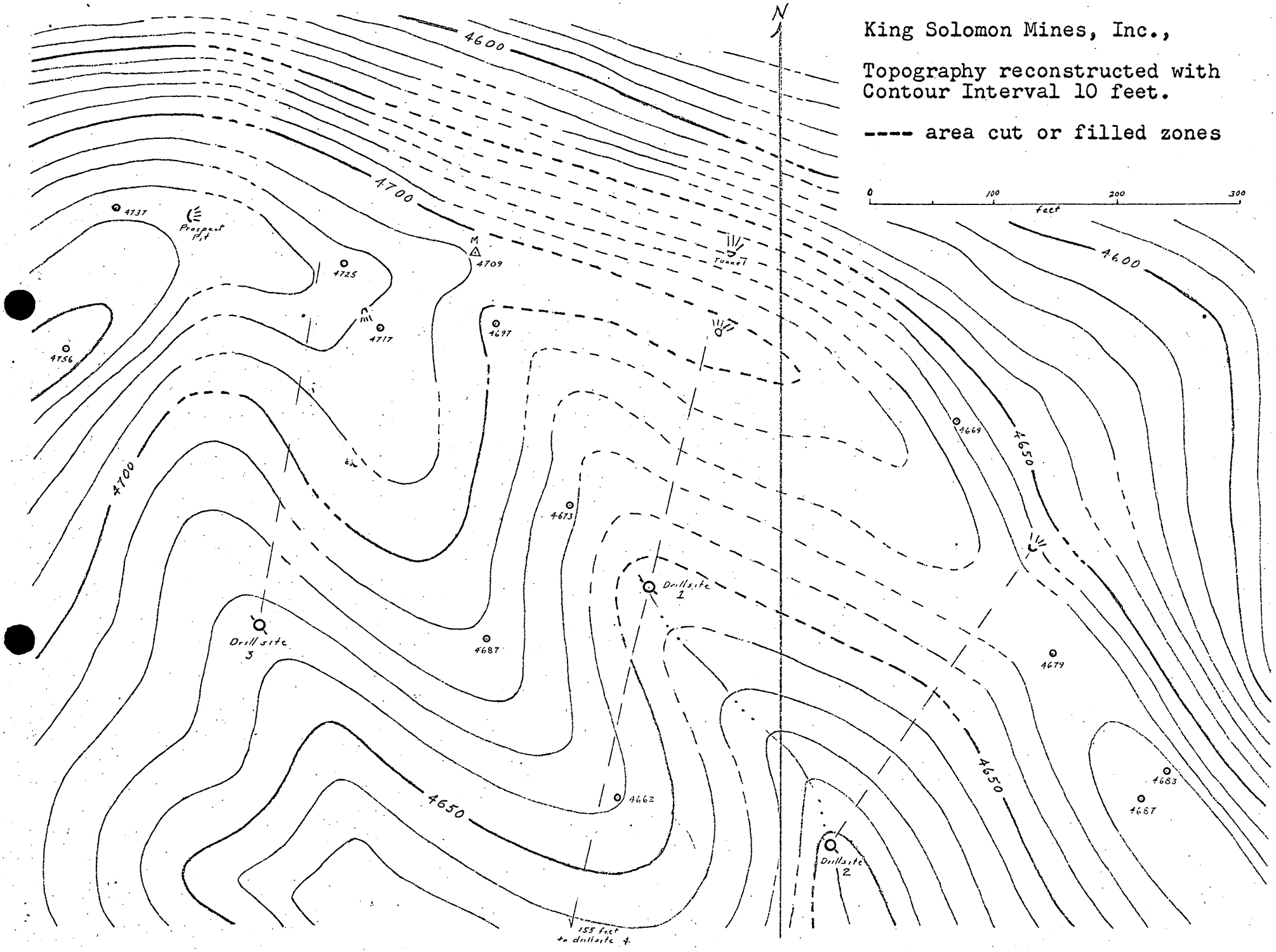
- Vein Points
- Drill Sites & Hole projections
- --- Drill Trail

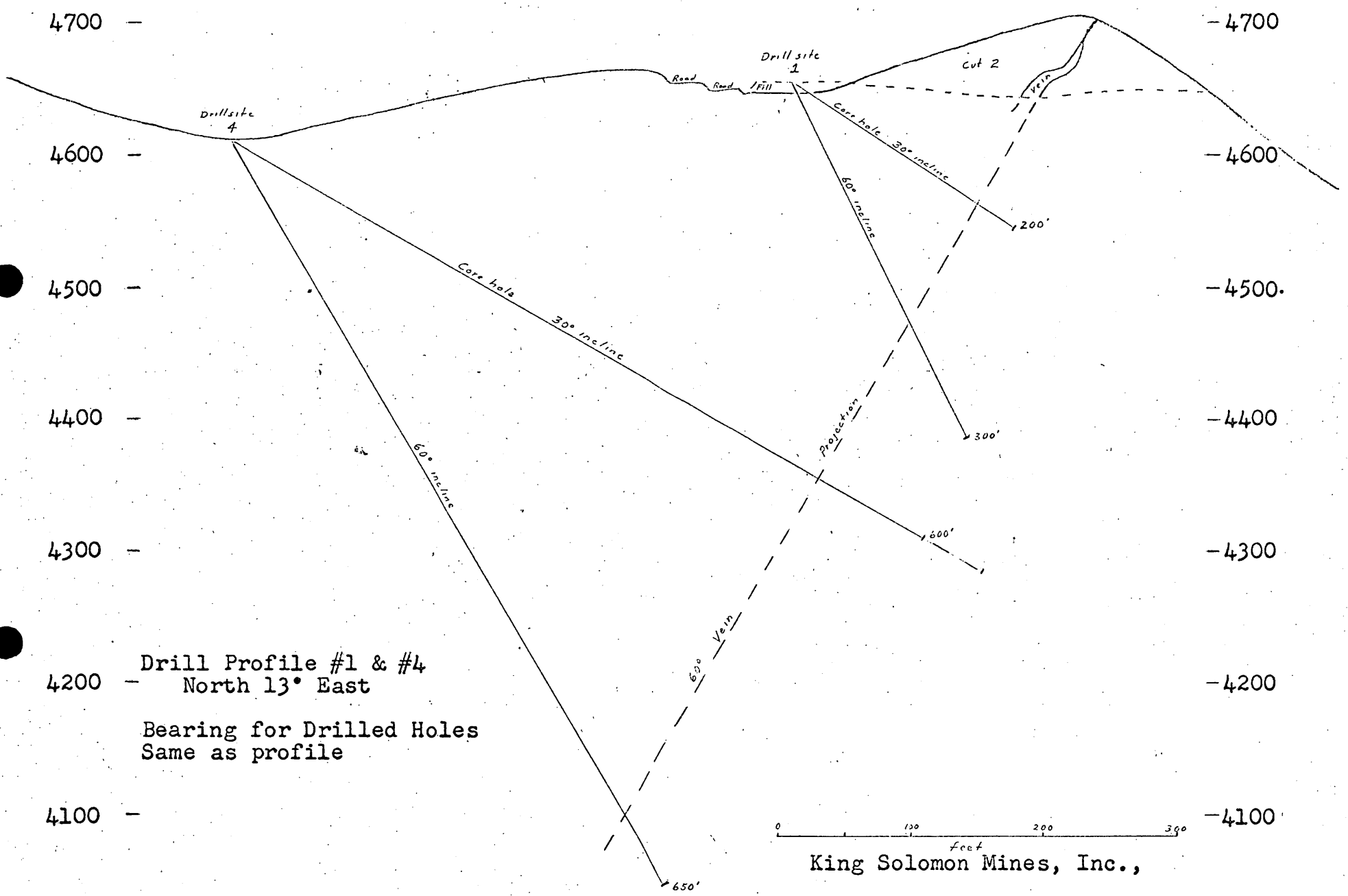

N
King Solomon Mines, Inc.,
Vein Structure
10 foot contours on foot wall - Showing Drilling Sites
0
100
200
300
feet
4729
75
64°
70
4700
4710
4699
M
4675
4655
4676
4685
58°
4683
51°
I
80
50
36
67
80
75
4660
4658
60
60
Drillsite 1
Drillsite 2
Drillsite 3
155 feet to drillsite 4
N-S Center line Section 17-6N-6E

King Solomon Mines, Inc.,

Topography reconstructed with Contour Interval 10 feet.

---- area cut or filled zones





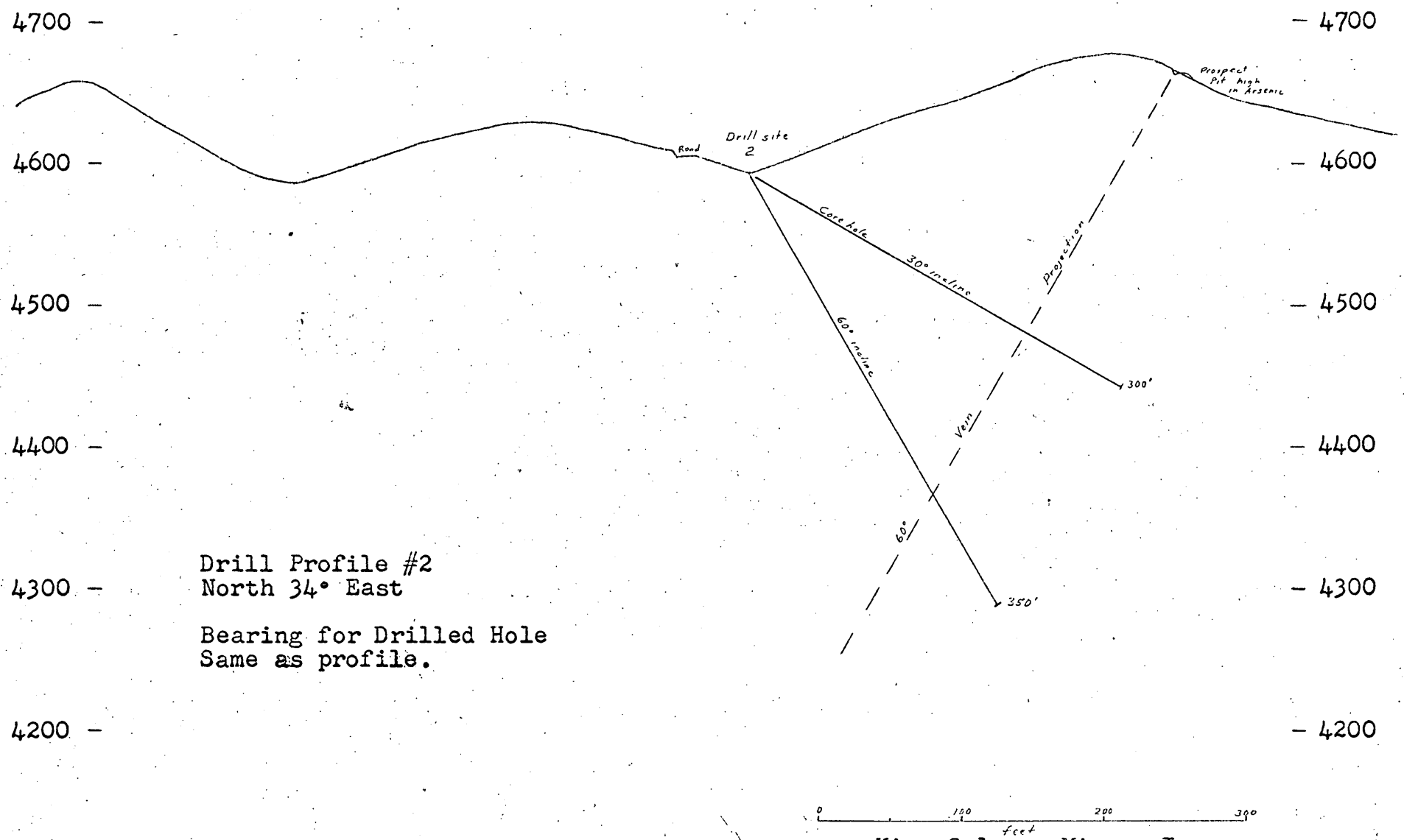
Drill Profile #1 & #4
North 13° East

Bearing for Drilled Holes
Same as profile

King Solomon Mines, Inc.,

Drillsites No. 1 & 4

Detail Map

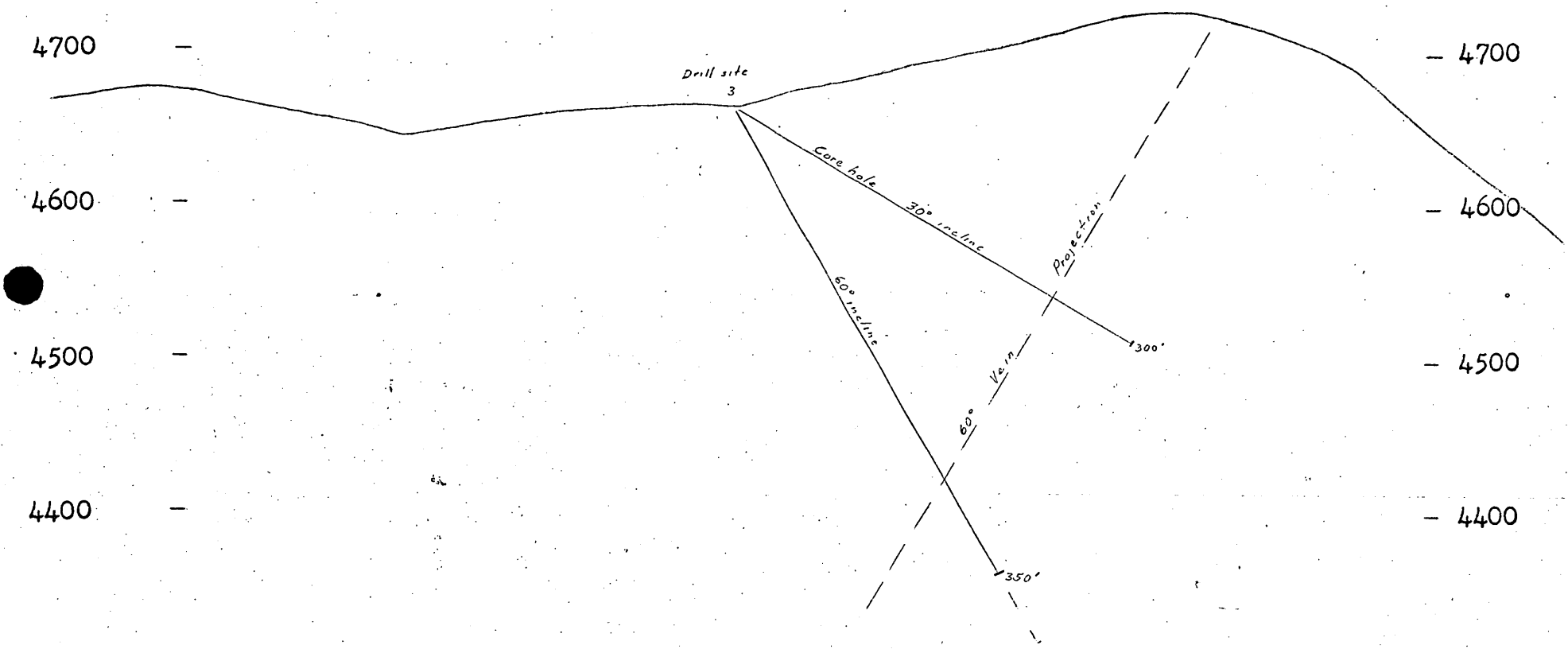


Drill Profile #2
North 34° East

Bearing for Drilled Hole
Same as profile.

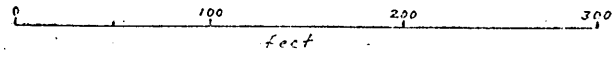
King Solomon Mines, Inc.,

Drillsite No. 2 detail map



Drill Profile #3
North 9° East

Bearing for Drilled Hole
Same as profile.



King Solomon Mines, Inc.,

Drillsite No. 3 detail Map

6 EXPERIENCE

The Project Manager, J. H. McKnight, has had six years of development work, geo-chemistry and mineral identification experience with this mine.

The adequate records of the work so far accomplished, as the records herewith indicate, and the quality of surveying, mapping and geological reporting by the staff of King Solomon Mines should indicate the capability.

No serious problems in core recovery or coring is anticipated due to the nature of the rock, and experienced drillers will be utilized. Difficulty in recognizing the vein structure near the surface in the highly altered and stained rock is exemplified by the number of early dug shallow prospect pits and short tunnels along the ridge and on the vein. Chemistry (Geo-chemistry) with trace and associated element analysis have become a major tool in the exploration work of the area and undoubtedly will become highly useful and necessary in the operation of this program.

Drill size changes and other modifications which become necessary for the proper accomplishment of the objectives of this program may require modification of the program as the experience with drilling this mine may require.

7 Estimate of Costs

7 (a) Independent Contracts:

Core Drilling-

3050 ft. of NXWL cor drilling @ $9.09/ft. average	$27,724.50
Hole surveys @ 50 ft. intervals @$9.00 ea.	540.00
Core Boxes @ $1.00 ea.	325.00
Standby time estimated 64 hours	920.00
Mobilization	750.00
Moving from site to site	600.00
Cementing (min. est. 20ft/hole)	2,600.00
Reaming & Casing Min. est. 160ft.	784.00
Cement 250 bags & additives	2,160.00
Collar - Drilling & Casing Overburden 6 sets. 20ft/ hole average ½ of holes are through fill at surface.	656.00
Contingency- delays, cementing of wider areas in parallel vein holes and casing driving if req'd.	1,066.50
	$38,125.00

Bulldozer work-

Estimated 40 hours of D8 cat work in preparing and leveling drill sites, drill trail and Lab set up areas. @ $20.00 per hr. with operator, and $100.00 move or mobilization fee.	900.00

Surveying-

Field survey of drill hole sites, drill trail and tie in with Section corner makers. Estimated	200.00

Geological Consulting-

Examination and reporting on cores, drill logs, etc. by Paul Nelson, after completion of drilling.	1,000.00
Total	40,225.00

7 <u>Estimate of Costs</u>

7 (b) Personal Services:

Supervision:

Project Manager, full time (1 year) J. H. McKnight, company chemist to perform on-site testing, and also supervise all phases of work. @ $12,500.00 year.	$12,500.00
Per diem expense, project manager to include transportation & away from home expense @ $8.00/day for estimated 126 days operational period.	1,008.00
Assistant, part time (6½ months) @ $8,000.00 per year to do drill logging, sample cutting & preparation, core marking, reporting data compilation and assist in report writing.	5,000.00
Per diem expense, as above.	1,008.00
Labor: Seasonal use of 1 laborer for 4 months @ $400.00/ month to service field lab as assistant, move lab from site to site, lab assistant work to help in chemical work & tests.	1,600.00
7 (b) Total	$21,116.00

7 Estimate of Costs

7 (c) Operating Materials & Supplies:

Field Laboratory &
Chemical Supplies:

Nitric & Hydrochloric Acids		144.00
Filter Paper		42.22
Glassware		51.40
Fuel	)($3.00 per day est.)	
Oil	) Portable Power - - - -	366.00
Maintenance	) (122 days)	
Silver Nitrate Std. N/10	gal.	12.40
Sample Bags & Boxes 2000/200		41.20
Propane 100 lb.		8.00
Paper Towels 2 cases		39.00
Cleaning Materials		1.80
Marking Mat'ls. & Pkg.	est.	10.00
Office Supplies		30.00
Total 7 (c)		$716.02

7 Estimate of Costs

7 (d)

Operating Equipment

Power Plant supplied by applicant listed under 7 (c) may be one of three owned by applicant, used to power field lab equipment is to be supplied by applicant at $3.00 per day which is the estimated cost of fuel, oil and maintenance for the period involved, and no charge for depletion is necessary.

Propane tank supplied by applicant is on a similar basis, filling with Propane is charged elsewhere under 3 (c)

Field Lab Equipment supplied by applicant is on a similar basis, with glassware & supplies charged under 3 (c) and will consist of the equipment required to accomplish necessary field testing.

7 (e)

No rehabilitation is anticipated.

7 (f)

No new buildings are anticipated.

7 Estimate of Costs

7 (g) Miscellaneous

Analytical Work

Assasy and Spectrographic reports (outside)

160 assays @ $3.00 each 1/5ft in anticipated 100 foot zone from silver pick-up to end of hole	480.00
40 Spectrographic reports @ $8.00 each one in each 20 ft section from first silver show to end of hole.	320.00
Postage and shipping charges on assay samples -	60.00
Accounting	
Payroll, taxes, Compensation, etc.	300.00
Liability Insurance	61.00
Bonding (If Req'd to be added)	
	$1,221.00
Payroll Taxes, Contributions etc. (12%)	$3,133.92
	$4,354.92

SUMMARY OF COSTS

7 (a)	Outside Contracts	$40,225.00
7 (b)	Personal Services	$21,116.00
7 (c)	Mat'ls. & Supplies.	746.02
7 (g)	Misc.	4,354.92
	Project Cost	$66,441.94

King Solomon Share 25%	$16,610.49
OME share 75%	$49,831.45

3

COMMERCIAL STATE BANK

923 IDAHO ST. • BOX 7807 • BOISE, IDAHO 83707 • TELEPHONE 344-8383

July 14, 1967

Ex 1 (a)

Mr. J. H. McKnight
President
King Solomon Mines, Inc.
P. O. Box 166
Idaho City, Idaho 83631

Dear Mr. McKnight:

Please be advised that our Loan Committee has declined your request for a loan from this bank. The decision was based upon the lack of established income of your company.

Very truly yours,

Charles R. Murphy

Charles R. Murphy
Vice President

CRM:rp

July 10, 1967

Commercial State Bank,
923 Idaho St.,
Boise, Idaho.

Attn. Mr. Murphy:

Gentlemen:

We have revised our needs for a development loan since our last application for credit from your bank, and have amanded our program for drilling for silver on the King Solomon property.

We would require a loan of approximately $50,000.00, to which we would add almost $17,000.00 to accomplish the task.

We would appreciate your review of our new plans, and advice as to the availability of credit for our purpose in the light of this amended program.

Sincerely,

King Solomon Mines, Inc.,

J. H. McKnight, President.

HEAD OFFICE

The Idaho First National Bank

BOX 7009 83707

BOISE, IDAHO

July 12, 1967

Mr. J. H. McKnight
1370 Hillroad
Boise, Idaho

Dear Mr. McKnight:

We are sorry, but our situation has not changed any from your request in February for the extension of credit.

It is the bank's policy not to involve ourselves with speculative mining ventures.

Sincerely,

Robert T. Jones
Assistant Vice President

RTJ/bg

A NATIONAL BANK 100 YEARS 1867 1967

HEAD OFFICE

The Idaho First National Bank

BOX 7009 83707

BOISE, IDAHO

February 23, 1967

Mr. J. H. McKnight, President
King Solomon Mines
P. O. Box 166
Idaho City, Idaho

Dear Mr. McKnight:

We appreciate the opportunity to study your financial program; however, we are unable to extend you credit as you requested.

It is not a policy of this office to loan money on a speculation venture.

Sincerely,

Robert T. Jones

Robert T. Jones
Assistant Vice President

RTJ/bg

July 10, 1967

The Idaho First National Bank,
Box 7009,
Boise, Idaho.

Attn. Robert T. Jones.

Gentlemen:

As our bank of account, we want to advise you that our exploration program has been revised, and the amount of money now required as a loan for this program is about $50,000.00.

We are asking you to review our new plans, and to advise us if such credit is available to us now.

Sincerely,

King Solomon Mines, Inc.,

J. H. McKnight, President.

BOISE CASCADE GENERAL OFFICE
P. O. Box 200 • Boise, Idaho 83701
Telephone (208) 385-9000
Cable: BOCASCO

July 17, 1967

2 (C) 1

King Solomon Mines, Inc.
Box 166
Idaho City, Idaho 83631

Attention Mr. J. H. McKnight, President

Gentlemen:

In re. the form submitted, MME Form 52, U.S.D.I. Office of Minerals Exploration, "Lien and Subordination Agreements." We are not willing to execute this form to cover the 180 acres under mineral lease agreement of May 1, 1962.

Respectfully,

BOISE CASCADE CORPORATION

Dale V. Anderson

Manager, Lands and Forestry

DVA/n

IDAHO
DEPARTMENT OF PUBLIC LANDS
BOISE, IDAHO

GORDON C. TROMBLEY
COMMISSIONER

STATE BOARD OF LAND COMMISSIONERS
DON SAMUELSON
GOVERNOR AND CHAIRMAN
Pete T. Cenarrusa
~~ROBERT M. DEAL~~
SECRETARY OF STATE
ALLAN G. SHEPARD
ATTORNEY GENERAL
JOE R. WILLIAMS
STATE AUDITOR
DELMER F. ENGELKING
SUP'T OF PUBLIC INSTRUCTION

2(c)2

May 11, 1967

King Solomon Mines, Inc.
P. O. Box 166
Idaho City, Idaho 83631

Attention: J. H. McKnight

Gentlemen:

Re: Mineral Lease No. 4006 - Lien Agreement

This is to advise you that your request of February 23, 1967, concerning a lien agreement on the above mentioned lease between the State of Idaho and the U. S. Dept. of Interior, was presented to the State Board of Land Commissioners at their last regular meeting on May 5th.

After due consideration, the Land Board could see no method whereby the State could comply with your request, and has therefore denied same.

Enclosed is a copy of a letter from the Attorney General setting out his views on the matter; also an extra copy of this letter should you wish to present it to the U. S. Dept. of Interior.

Very truly yours,

STATE LAND DEPARTMENT

Gordon C. Trombley

GORDON C. TROMBLEY
State Land Commissioner

enclosures

sc

STATE OF IDAHO

OFFICE OF THE ATTORNEY GENERAL

BOISE

ALLAN G. SHEPARD
ATTORNEY GENERAL

March 10, 1967

Honorable Gordon Trombley
Acting Commissioner
State Land Board
B U I L D I N G

Attention: MR. EDWARD S. MIDDLEMIST, MINERAL SUPERVISOR

Gentlemen:

I have your letter of March 1, 1967 relating to the request of the King Solomon Mines and their desire to execute a contract with the United States Department of Interior which would require subordination of state ownership of the leased land to a lien in favor of the Federal government.

It appears to me that there is no way or method in which the request can be complied with, and I would recommend that the same be denied. You may, however, want to bring this matter to the attention of the Land Board at its next meeting.

Yours very truly,

ALLAN G. SHEPARD,
Attorney General

AGS:c

Feb. 23, 1967

State of Idaho,
State Land Department,
Boise, Idaho.

Ref. Mineral Lease No. 4006.

Gentlemen:

In the development of the properties covered in the subject mineral lease, we are preparing to do considerable exploration work which will require the participation of the United States Department of the Interior, Office of Mineral Exploration.

In connection with their financial participation, they require a lien agreement, copy of which is attached hereto, or in the event no such lien agreement is acceptable to the State of Idaho, they require a letter of refusal to execute the agreement.

We would appreciate your immediate advice on your policy, and completion of the agreement or a letter stating your refusal to execute the agreement.

Sincerely,

King Solomon Mines, Inc.,

J. H. McKnight, President.

E 2 CW 1

ASSIGNMENT OF MINERAL LEASE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that A. R. Fine, O. D. Ferguson and J. H. McKnight, as individuals and partners, for and in consideration of the sum of Ten ($10) Dollars, lawful money of the United States of America, tothem in hand paid, and other good and valuable consideration, do by these presents grant, bargain, sell, assign and transfer and set over unto the KING SOLOMON MINES, INC., a corporation, that certain mineral lease agreement entered into on the first day of May, 1962, and as amended July 16, 1962, by and between Boise Cascade Corporation, party of the first part, called "Lessor," and A. R. FINE, O. D. FERGUSON and J. H. McKNIGHT, parties of the second part, called "Lessee," the same being an agreement covering the prospecting, development and mining work on the following described property in Boise County, Idaho, to-wit:

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 31 1967
INITIALS | CODE

> W½NE¼NE¼, W½NE¼, E½NE¼NW¼, Section 17, Twp. 6 N., Rge. 6 E., B.M., containing 120 acres, more or less, according to government survey, subject to right of way easements heretofore granted covering forest protection roads.

The assignee, KING SOLOMON MINES, INC., from and after July 24, 1962, assumes and accepts the obligations and conditions of the above described Mineral Lease Agreement, as amended July 16, 1962, and separately covenants with Boise Cascade Corporation that it will abide thereby during tenure.

IN WITNESS WHEREOF, the said parties have hereunto caused these presents to be executed this 24th dayof July, 1962 at Boise, Idaho.

A R Fine

O D Ferguson

J H McKnight

KING SOLOMON MINES, INC.

by George W. Whitworth
President

ATTEST:

Secretary

(corporate seal)

STATE OF IDAHO)
) ss.
County of Ada)

On this 24th day of July, 1962, before me, a Notary Public for the State of Idaho, personally appeared A. R. FINE, O. D. FERGUSON and J. H. McKNIGHT, known to me to be the persons whose names are subscribed to the foregoing instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Notary Public for the State of Idaho
Residing at Boise, Idaho.

STATE OF IDAHO)
) ss.
County of Ada)

On this ~~24th~~ 5th day of ~~July~~ September, 1962, before me, the undersigned, a Notary Public for the State of Idaho, personally appeared George V. Whitmore known to me to be the President of the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Notary Public for the State of Idaho,
Residing at Boise, Idaho.

CONSENT OF LESSOR TO ASSIGNMENT

We, Boise Cascade Corporation, Lessor, hereby consent to the assignment of the said mineral lease agreement by A. R. Fine, O. D. Ferguson and J. H. McKnight, to KING SOLOMON MINES, INC. Dated at Boise, Idaho, this 9th day of ~~July~~ October, 1962.

BOISE CASCADE CORPORATION, Lessor

ATTEST:

by

Vice President

Assistant Secretary

BOISE CASCADE CORPORATION

P. O. Box 200
BOISE, IDAHO

July 16, 1962

Messrs. A. R. Fine, O. D. Ferguson
and J. H. McKnight
2319 Judith, Boise, Idaho

Gentlemen:

Per your request to include the SW¼NE¼, Sec. 17, T. 6 N., R. 6 E., B.M., in your mineral lease agreement of May 1, 1962, we are including this forty acres in the agreement. This letter will acknowledge receipt of your payment of fifty ($50) dollars covering the lease rental to June 30, 1963 of this additional forty acres.

We are amending the agreement of May 1, 1962 to add this additional forty acres, to be included under the terms of said agreement. Paragraph h, page 5, of said agreement, is amended to provide that on the first day of July, August, September, October and November, 1963, the guaranteed royalty payments will be increased from $25.00 each to $35.00 each. If this meets with your approval, will you kindly sign below?

Your desire to transfer the agreement to the corporation you have formed to work this property in which you are adding George Whitmore and Keith Gilmore to your group meets with our approval. Would you kindly furnish us with a copy of your Articles of Incorporation for our file?

In assigning the contract, will need an endorsement by the surety company transferring the liability policy to cover the mining corporation. Will be glad to prepare the assignment whenever you are ready to do so.

Yours very truly,

BOISE CASCADE CORPORATION

Albert C. Cleaveland

E. C. Cleaveland, Chief Forester

ECC; copy to
I.A.Anderson

APPROVED 7/23, 1962.

A.R. Fine

J. H. McKnight

O. D. Ferguson

BOISE CASCADE GENERAL OFFICE
P. O. Box 200 • Boise, Idaho 83701
Telephone (208) 385-9000
Cable: BOCASCO

July 15, 1967

King Solomon Mines, Inc.
Box 166, Idaho City, Idaho

Attention Mr. J. H. McKnight, President

Gentlemen:

Per your request to include the E½NW¼NW¼, Section 17, T. 6 N., R. 6 E., B. M., in your mineral lease agreement of May 1, 1962 (as amended with supplemental agreement of September 10, 1962) we are including this twenty acres in the agreement.

We are amending the agreement of May 1, 1962 to show the following lands:

> W½NE¼NE¼, W½NE¼, NE¼NW¼, E½NW¼NW¼, Section 17; S½SE¼SW¼, Section 8; T. 6 N., R. 6 E., B. M. 180 acres. Paragraph H, page 5, of said agreement is also amended to provide that on the first day of July, August, September, October and November, 1967, the guaranteed royalty payments will be increased to $50.00 each.

If this meets with your approval, will you kindly sign below?

Yours very truly,

BOISE CASCADE CORPORATION

I. A. Anderson

IAA/n
cc: FE

APPROVED July 15, 1967.

KING SOLOMON MINES, INC.

by J. H. McKnight
President

A G R E E M E N T

THIS AGREEMENT, Made and entered into this first day of May, 1962, by and between BOISE CASCADE CORPORATION, a corporation, party of the first part, hereinafter called "Lessor," and A. R. FINE, O. D. FERGUSON, and J. H. McKNIGHT, 2319 Judith, Boise, Idaho, parties of the second part, hereinafter called "Lessee,"

W I T N E S S E T H: that

WHEREAS, the Lessor is the owner of the following described property situate in the County of Boise, State of Idaho, and more particularly described as follows, to-wit:

> West Half of the Northeast Quarter of the Northeast Quarter (W½NE¼NE¼), Northwest Quarter of the Northeast Quarter (NW¼NE¼), and East Half of the Northeast Quarter of the Northwest Quarter (E½NE¼NW¼), of Section Seventeen (17), in Township Six (6) North of Range Six (6) East, B.M., containing eighty (80) acres, more or less, according to government survey, subject to right of way easements heretofore granted covering forest protection roads.

WHEREAS, Lessee believes that the above described lands contain valuable minerals, but Lessor does not desire to engage in the business of mining, and

WHEREAS, Lessee is desirous of conducting exploration, development and mining work on said premises to ascertain if minerals of sufficient value are disclosed to warrant further development,

NOW, THEREFORE, Lessor, for and in consideration of the sum of One Hundred Twenty-five and no/100 ($125.00) Dollars, lawful money of the United States of America, the receipt of which is hereby acknowledged, and in consideration of the royalty payments hereinafter set forth, and the covenants and agreements of the Lessee herein contained, does hereby lease to the Lessee all veins, lodes and deposits of ores, minerals and valuable materials under the surface of the above described lands together with so much only of the surface on and on each side of said veins, lodes and deposits as is necessary for the convenient working of said veins, lodes and deposits, together with the right of ingress to and egress from said veins, lodes and deposits, and hereby grants to lessee the right to prospect and mine the same, and the Lessee shall have and hold the aforesaid property under the terms of this agreement for a period ending June 30, 1963, to prospect, test, excavate, develop, drill and explore the same at Lessee's own discretion and expense..

1) If ores of commercial value are ascertained to be in existence so as to warrant the continuation of this agreement, upon payment of the further sum of $25.00 on the first day of July, and a like sum on the first day of August, September, October and November, 1963, until not less than One Hundred Twenty-five ($125.00) Dollars shall have been so paid by Lessee to Lessor, this agreement may be extended for an additional year; and this agreement may be extended so long after the above term as the Lessee makes the monthly and annual payments herein provided for, and performs all the terms and conditions of this lease by Lessee to be performed; but in no event shall the term of this lease be extended beyond the time when ores in commercial quantities can be extracted from said premises; said lease, prospecting rights and the right of ingress and egress being subject, however, to the following reservations, and there is hereby reserved to and by the Lessor:

(a) All rights of way, ditches, public highways, easements and private ways of every kind and nature heretofore granted and conveyed and relating to or affecting the above described property; all the surface and surface rights, including all things hereon or to be thereon, except such as shall be necessary for the convenient working of said veins, lodes and deposits as aforesaid;

(b) The right on the part of the Lessor, its successors and assigns, or its lessees (other than the lessee herein) to all grazing rights, all timber and other trees and growth standing, growing or being or to be upon said lands;

(c) Also the right of the Lessor, its successors, assigns and lessees (other than the lessee herein), its or their servants, agents, workmen, teams and equipment in full, unimpeded and free liberty of, and access to, and entry upon all rights of way in, through, and upon said lands for the purpose of felling, cutting and moving trees, or otherwise fully possessing, using, employing and enjoying the surface, surface rights and growth and things thereon or to be thereon, and with the right and privilege of constructing, maintaining and operating truck roads, railroads, spurs and sidetracks and any other facility convenient therefor;

(d) The right to sell or encumber said land and timber and dispose of the same at any time the said Lessor may desire, subject to this lease.

2) For and in consideration of the granting of this lease, the Lessee covenants and agrees:

(a) To cause all work hereunder to be done in a careful and minerlike manner, with due regard for the preservation of any timber, springs, streams, or roadways on the said premises, and to exercise such of the surface rights herein leased so as not to interfere in any way, or to delay or interrupt the Lessor in its use of the property and the rights herein reserved;

(b) That everything, improvements or structures, done, made, authorized or directed by or for the Lessee in connection with, or arising from, the properties hereby leased, or the operations of Lessee, shall be at the sole expense of Lessee and Lessee agrees and covenants to keep the property, and the whole thereof, free and clear of all liens therefor of whatsoever kind or character, and not to suffer or permit any thereof to be filed or claimed or to be incurred by the Lessee, its agents, servants, or employees, and to hold the Lessor and its property harmless from any and all liens or claims of every kind and character whether for wages, materials, supplies, damages, or indebtedness of whatsoever character or nature created by the Lessee, or by its servants, agents or employees, or otherwise, by reason of the Lessee's possession of and working on or in connection with said leased property, or by reason of its having taken this lease upon said property;

(c) All times to keep in force an adequate amount of workmen's compensation insurance and to pay all social security and other taxes that may be payable by or levied or assessed against the Lessee, and particularly to pay what is commonly called the Mines License Tax, and all other severance licenses and taxes, and also taxes as provided for by Chapter 159 of the 1941 Session Laws of the State of Idaho, or amendments thereto;

(d) To post in a conspicuous place where the same can be easily seen and read the following notice along any road upon the above described premises used by the Lessee, and not less than three per mile and in, and upon said premises, and at each and every place where any work is intended to be done or is performed, and at any and every boarding house, office, bunk house, pit,

tunnel, construction work, and camp maintained on or in connection with Lessee's operations of said leased premises, on said premises; said notice being in the following words:

NOTICE TO WORKMEN, CONTRACTORS AND MATERIALMEN

NOTICE IS HEREBY GIVEN:

FIRST: That the owner of this property is BOISE CASCADE CORPORATION, a corporation.

SECOND: That the persons engaged in working this property are A. R. Fine, O. D. Ferguson, and J. H. McKnight.

THIRD: That neither the Boise Cascade Corporation, the owner, nor this property is liable for, or in any way responsible for, the payment of wages, or for supplies or materials, and all laborers, workmen, contractors and materialmen must look to A. R. Fine, O. D. Ferguson, and J. H. McKnight, the Lessee, for payment.

DATED May 1, 1962. BOISE CASCADE CORPORATION, a corporation

by Geo. V. Hjort (Lessor)
Vice President

A. R. Fine (Lessee)

O. D. Ferguson (Lessee)

J. H. McKnight (Lessee)

(e) As rent the Lessee agrees to pay to the Lessor ten (10%) per cent of all smelter, mint and/or market returns from any and all ores, minerals and/or values taken, mined, or extracted from the above described lands, less cost of transportation paid by Lessee if transported to a smelter, at lowest public carrier rates on raw concentrates from mine and/or mill to said smelter, and to cause any and all returns of whatsoever kind or character or any product shipped from the above described lands to be deposited in the Idaho First National Bank, Boise, Idaho (head office), the same to be distributed by said Bank as follows: Ten per cent (10%) thereof to the credit of Lessor, the remainder to the credit of Lessee.

Lessee further covenants and agrees that whenever the total market value as determined by competent assay of the raw ore mineral or precious metals and/or values taken, mined, or extracted from the above described lands during any calendar month amounts to $250.00 or more per net ton, Lessee shall pay to Lessor an additional ten (10%) per cent of such total market value as an

additional royalty payment due hereunder. Lessee shall furnish Lessor statements of production showing such additional amounts due, and payment thereof shall be made within forty-five (45) days of such production;

(f) To furnish to the Lessor as soon as received, copies of all mint, mill, smelter and/or market returns, and to cause to be deposited with said Bank the originals of all such returns, subject to inspection or copying the same by and for Lessor;

(g) To furnish to the Lessor within ten (10) days after receipt thereof by Lessee, a copy of all drill logs, assay reports, core analyses and assays, engineering reports, a nd any and all other prospecting and mining data relating to the above described lands that may come into the possession of the Lessee;

(h) To pay to the Lessor beginning on the first day of July, 1963, as a guaranteed royalty, the sum of $ 25.00, and the sum of $ 25.00 on or before the first day of August, September, October and November, 1963, and like sums on these same days during each and every year thereafter during the life of this lease agreement; and failure to make said payments shall at once give Lessor the right and option to declare a forfeiture of all the rights of Lessee under this lease and in or to said property; PROVIDED, HOWEVER, that any amounts paid to the Lessor after the first day of July, 1963, and between the first day of any month and the first day of the following month by the Idaho First National Bank on account of any returns deposited with said Bank as herein provided, shall apply on said monthly payment next becoming due;

(i) To furnish to the Lessor all information, including any and all mint, mill, smelter and/or market returns, correspondence and bank statements which the Lessor may require in order to assure it that it is receiving the amount of rental from said property herein provided for, and to permit the Lessor at any and all times to inspect the books of account, payrolls, correspondence, and any and all other records and supporting data for the purpose of enabling the Lessor to determine whether the Lessee is paying all of the debts or claims incurred by the Lessee;

(j) To do all work done and performed hereunder in a good and miner-like manner;

(k) Not to record this instrument until it is acknowledged by the Lessor;

(l) To at once begin prospecting for minerals.

(m) To carry adequate insurance coverage to fully protect all parties hereto from any and all claims, and that Lessor will be furnished copies of said insurance policies or certificates of insurance stating said insurance policies are to remain effective during the life of this agreement. A review of insurance coverage shall be made each year as to the sufficiency thereof, and by agreement of the parties hereto this coverage shall be either increased or decreased.

(n) Lessee is expressly granted the right by Lessor to terminate this agreement and surrender the property to Lessor at any time upon the giving of sixty (60) days' written notice to Lessor of its intention so to do.

3) It is also understood and agreed between the parties hereto, that should ores or values of such nature and extent be discovered or located upon the leased, or adjoining lands when under prospecting permit, to make it impractical for Lessee to attempt to remove same, Lessor shall then have the right to determine if Lessee's lease of the above described premises shall be continued beyond the termination of its current yearly period. Lessee shall report its book value of improvements in place, needed in the further development and improvement of the property, and if said lease is terminated by Lessor as herein provided in this paragraph, Lessor, its successors or assigns, shall pay to Lessee, its heirs, administrators or assigns, an amount equal to one (1%) per cent of the net returns hereinbefore defined, for a period of two (2) years from such termination date; and it is further provided that if said one (1%) per cent payment does not return to Lessee its book value of improvements in place required to be left in place by Lessee, Lessor, its successors or assigns, shall pay said difference to Lessee, unless adjusted and released by previous settlement between the parties hereto.

Upon any termination of this lease as herein provided, the parties shall be under no further obligation to each other (except for the paying of accounts then due, and the payment of any royalties or rentals which may then be due) insofar as this agreement relates to the property surrendered.

4) In the event that it should for any reason be determined that the Lessor does not have title to any minerals, ores, deposits or values in and upon said lands, the Lessee agrees to at once locate or otherwise acquire the same in the name of and for the use and benefit of the Lessor under the applicable laws, rules and regulations and the same shall at once become a part of the property hereby leased, and Lessee agrees to pay to the Lessor the amounts and make the deposits herein provided for, and all the terms and conditions of this lease shall apply to all such minerals, ores, deposits and values.

5) All ores, concentrates or metals except as in this paragraph provided shall be shipped and marketed in the name of the Lessee, to the smelter, custom mill or other buyer offering at the time the best net price obtainable, and the "net smelter returns" receivable by Lessee accounted for as herein provided. Excepting, however, if it is necessary that the said ore, concentrates or metals be shipped and marketed in the names of both parties hereto in order to establish the right of each party to its proportionate share of the depletion allowance in the computation of income tax, then and in that circumstance the same shall be marketed in the names of both parties, as the respective interest of each appear in paragraph (e) of Section 2 hereinabove.

6) If the Lessee shall be delayed at any time during the period of this agreement in keeping or performing any agreement on its part to be kept or performed according to the terms and provisions hereof by War, strikes, lockouts, fire unavoidable delays in transportation and unavoidable casualties, and Acts of God, such delay or failure of performance by reason thereof, shall not be deemed a breach of this agreement or a default on the part of the Lessee constituting a cause for forfeiture, and Lessee agrees to use all reasonable diligence to remove such causes of disability.

7) It is expressly agreed that time is of the essence of this mining lease and in the event the Lessee fails to perform each and every term and condition of this agreement by Lessee to be performed, strictly and promptly in accordance with the terms and within the time herein specified, then and in that event, the Lessor shall notify the Lessee by written notice, using certified mail, specifying the particulars in which it claims the Lessee has failed to perform the terms of this agreement (except the failure to make the deposits

or the payments herein provided for or the failure to perform the conditions of subdivision (b) of Paragraph 2), the said written notice to be served upon the Lessee by personal service upon A. R. Fine or O. D. Ferguson, or by registering by certified mail the same to A. R. Fine, 2319 Judith, Boise, Idaho and by sending by certified mail a copy thereof to the Idaho First National Bank, Boise, Idaho; and if the Lessee within thirty (30) days after the service of said notice, or the mailing thereof by certified mail as aforesaid, has failed to perform any term or terms of this agreement strictly in accordance with the terms hereof, then and in that event, the rights of the Lessee, and Lessee's assigns, shall terminate, and all payments which shall have been made by the Lessee, or Lessee's assigns, and all improvements, buildings, pipe and track in place, shall be forfeited to the Lessor, and said improvements, buildings, pipe and track in place, and payments made shall be considered as rental for the use of said property, and within thirty (30) days after the giving of notice as herein provided the Lessee will at once surrender said premises to the Lessor, it being agreed, however, that after the termination of this lease or forfeiture as herein provided, the said Lessee shall have ninety (90) days in which to remove all tools, machinery, personal property and equipment, except buildings, pipe and track in place on said lands; PROVIDED, HOWEVER, that failure to deposit at once returns with the Idaho First National Bank, or the failure to make the payments herein provided for, and the failure to perform the conditions of subdivision (b) of Paragraph 2, shall be such a default as at once shall give to the Lessor the right and option to forfeit the rights of the Lessee hereunder, and no notice of such failure need be given before a declaration of such forfeiture. No waiver of, and no failure or neglect on the part of Lessor to give notice of a default or defaults shall affect any subsequent default or impair Lessor's right resulting therefrom.

8) In the event the Lessee at any time desires to abandon this lease and surrender its right to prospect and mine the above described leased ground and its right to ingress and egress therefrom, it may do so by mailing a written notice thereof by certified mail, and the effective date thereof, to the Lessor at its office at 114 South Tenth Street, Boise, Idaho, and by send-

ing a copy of said notice to the Idaho First National Bank, Boise, Idaho, by certified mail, and the Lessee, upon the effective date thereof (not less than sixty (60) days from date of notice) shall be relieved of any and all obligations further to prospect or mine the same, or to make payments thereafter accruing, except Lessee shall account for and pay all payments theretofore becoming due or earned, and shall account for all ores taken from said property.

9) Upon termination of this agreement either by limitation or otherwise, Lessee shall deliver up the property to Lessor in good order and condition with all mine workings used by Lessee in its mining operations in condition suitable for continued operation, in the event Lessor may operate the property if it so elects.

10) It is expressly agreed that the Lessor may assign this lease, that the Lessee shall not sell or assign the same, or any interest therein, and shall not sublet the leased property, or any part thereof, without first securing the written consent of the Lessor. All the terms and conditions of this lease to be performed by the Lessee shall extend to, and bind, and be applicable to any assignee of the Lessee.

11) This lease cannot be altered, modified or deviated from, unless such alteration, modification, or deviation shall be in writing and signed by the parties hereto.

12) Lessee agrees to present plans to Lessor in advance of prospecting and mining involving the surface of the above described lands, and agrees to furnish Lessor a bond in the sum of $2,000 if requested to do so by Lessor, prior to commencing any such work involving the surface, at any time during this lease, to insure Lessor against any excessive damage to the terrain or existing timber stands. Should excessive damage become evident during the term of this lease, or at the termination thereof, the parties will attempt to arrive at an amicable settlement of such damage.

13) Any notice herein provided for shall be sufficiently given if posted by certified mail addressed to the party entitled to receive the same as follows:

To: Boise Cascade Corporation
Land Department, Box 200
Boise, Idaho (Lessor)

To: A. R. Fine (Lessee)
2319 Judith
Boise, Idaho

To: Idaho First National Bank
Head Office, Box 140
Boise, Idaho

14) It is agreed that this lease shall not be recorded until it is acknowledged by the Lessor. Lessee agrees to acknowledge this lease upon its execution and signing. Lessor, however, agrees it will acknowledge this lease after receipt by it of $2,000 in mining royalties therefrom.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed the day and year first above written, at Boise, Ada County, Idaho.

BOISE CASCADE CORPORATION

ATTEST:

by Geo. V. Hart
Vice President

E. A. Aitchison
Assistant Secretary

A. R. Fine

O. D. Ferguson

Joseph H. McKnight

STATE OF IDAHO)
) ss.
County of Ada)

On this 11th day of May, 1962, before me, I. A. Anderson, a Notary Public in and for said State, personally appeared A. R. Fine, O. D. Ferguson, and J. H. McKnight, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

I. A. Anderson
Notary Public for the State of Idaho,
Residing at Boise, Idaho.

S U P P L E M E N T A L A G R E E M E N T

THIS SUPPLEMENTAL AGREEMENT, Made and entered into this tenth day of September, 1962, by and between BOISE CASCADE CORPORATION, a corporation, hereinafter designated as "Lessor," and A. R. FINE, O. D. Ferguson, and J. H. McKnight, hereinafter designated "Lessee,"

WHEREAS, on the first day of May, 1962, Lessor entered into a Mineral Lease Agreement covering the W½NE¼NE¼, NW¼NE¼, E½NE¼NW¼, Section 17, T. 6 N., R. 6 E., B.M. (80 acres), and by letter amendment of July 16, 1962 the SW¼NE¼, Section 17, T. 6 N., R. 6 E., B.M. was included in said Mineral Lease Agreement, making a total acreage of 120 acres, reference to which is hereby made, and

WHEREAS, it is desired by the parties hereto to more clearly define the rent the Lessee agrees to pay under paragraph 2 (e), page 4 of said Mineral Lease Agreement, and method of transportation to smelter,

NOW, THEREFORE; the parties mutually agree that said paragraph 2 (e) shall be corrected to read as follows:

2 (e) In accounting for the "net smelter returns," as provided for in said Mineral Lease Agreement, the interest and right of each party to its proportionate share of said "net smelter returns" shall be established by sharing the costs of transportation from mine and/or mill to said smelter according to the interest of each of the parties in and to said smelter returns. If ores or raw concentrates are transported to a smelter (whether by Lessee or Lessor), cost of transportation shall be at lowest public carrier rates from mine and/or mill to said smelter, and report of said cost shall be made to other party and to Idaho First National Bank, Boise, Idaho (head office) to determine the distribution of "net smelter returns." It is agreed that Lessor shall determine and provide such transportation at lowest public carrier rates, either in its own trucks or by other adequate method approved by Lessor with sufficient insurance to protect both parties during transit. Title to ore and/or concentrates shall remain with Lessor until delivered to smelter..

After deducting transportation costs as hereinabove described, as rent the Lessee agrees to pay to the Lessor ten (10%) per cent of all smelter, mint and/or market returns from any and all ores, minerals and/or values

taken, mined, or extracted from the above described lands, and to cause any and all returns of whatsoever kind or character or any product shipped from the above described lands to be deposited in the Idaho First National Bank, Boise, Idaho (head office), the same to be distributed by said Bank as follows: Ten per cent (10%) thereof to the credit of Lessor, the remainder to the credit of Lessee.

Lessee further covenants and agrees that whenever the total market value as determined by competent assay of the raw ore mineral or precious metals and/or values taken, mined, or extracted from the above described lands during any calendar month amounts to $250.00 or more per net ton, Lessee shall pay to Lessor an additional ten (10%) per cent of such total market value as an additional royalty payment due hereunder. Lessee shall furnish Lessor statements of production showing such additional amounts due, and payment thereof shall be made within forty-five (45) days of such production;

EXCEPT AS HEREIN SUPPLEMENTED AND MODIFIED, the aforementioned contract between the parties hereto is ratified, confirmed and approved.

BOISE CASCADE CORPORATION

ATTEST:

E. A. Aitchison
Assistant Secretary

bby Geo. E. Hart
Vice President

LESSOR

A.R. Fine

O.D. Ferguson

J.H. McKnight

LESSEE

STATE OF IDAHO, County of Ada) ss.

On this 10th day of September, 1962, before me, I. A. Anderson, a Notary Public in and for said State, personally appeared A.R.Fine, O.D.Ferguson, and J.H.McKnight, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

I. A. Anderson
Notary Public for the State of Idaho
Residing at Boise, Idaho.

2

Ex 2 (a) 2

OFFICIAL
COPY
O. M. E.
RECEIVED
JUL 31 1967
INITIALS | CODE

STATE OF IDAHO MINERAL LEASE

NO 4006

TYPE

QUARTZ

NAME AND ADDRESS

KING SOLOMON MINES, INC.

908 No. 30th.

Boise, Idaho

STATE OF IDAHO MINERAL LEASE

QUARTZ No. 4006.

THIS INDENTURE, made this 23rd day of March, 1966, by and between the STATE OF IDAHO, acting by and through the State Board of Land Commissioners, as party of the first part, hereinafter called the Lessor, and KING SOLOMON MINES, INC., of 908 North 30th., Boise, Idaho---------- as party of the second part, hereinafter called the Lessee, under and pursuant to Title 47, Chapter 7, Idaho Code, as amended,

WITNESSETH: That the Lessor, in consideration of the rents and royalties to be paid and the covenants to be observed by the Lessee, as hereinafter set forth, does lease and demise unto the Lessee exclusive right and privilege to mine upon veins or lodes of quartz, or other rock in place, bearing gold, silver, cinnebar, lead, uranium, tungsten, tin, copper, or other valuable deposits of associated minerals, upon or under the following lands lying situate in Boise---------- County, State of Idaho, more particularly described as follows, to-wit:

N½N½, S½NE¼, SE¼NW¼, NE¼SE¼, Sec. 8, NW¼SW¼, SW¼NW¼ Sec. 16, N½SW¼ Sec. 17, all in Twp. 6 N., Rge. 6 E., B.M. containing 480 acres, more or less Public School and Indemnity land,

together with the right to use and occupy so much of the surface of the said lands as may be required for all purposes reasonably incident to the mining, operation and removal of said minerals upon and subject to the conditions laid down in Title 47, Chapter 7, Idaho Code, as amended, for a period of ten (10) years from the date of this lease.

In consideration of the foregoing the Lessee hereby agrees;

RENTAL. 1 To pay to the Lessor as rental for each acre covered by this lease the sum of twenty-five cents (25¢) per acre per annum in advance, the first year's rental being , payment whereof is hereby acknowledged. Such rental for any rental year shall be deducted from the royalties as they accrue for that rental year.

ROYALTY. 2. To pay to the Lessor as royalty a percentage as set forth below, of the "total value" per ton of all ores, minerals, or precious metals produced from said property during the term of this lease: $0.00 to $16.00, 2.5%; $16.01 to $20.00, 3.0%; $20.01 to $25.00, 4.0%; $25.01 to $30.00, 5%; $30.01 to $35.00, 6.0%; $35.01 to $40.00, 8.0%; $40.01 to $50.00, 10.0%; $50.01 and up, 12.5%. The term "total value" shall be construed to mean the market value as determined by competent assay of the raw ore mineral or precious metals. Further "total value" shall mean the appraised values of any unsold ores, minerals, or other precious metals, left in stockpile, awaiting a more favorable market, at the termination of this lease. The royalty is paid on returns remaining after the following costs, and these costs only, are deducted: mining beneficiation and transportation. Taxes and depreciation are not allowable. The Lessee shall furnish to the Lessor at the time of making any settlement, duplicate copies of all mill, smelter, processor, or any purchaser's settlement returns together with duplicate figures showing the methods and amount claimed under deductible cost for mining, beneficiation and transportation. In the case of any ores, minerals, or precious metals, left in stockpile the value shall be determined by appraisers designated by the Lessor and Lessee and in the case of nonagreement a referee appraiser can be chosen by the delegated appraisers.

COMMENCE OPERATIONS. 3. To commence actual mining operations upon the land embraced herein within Twenty-four (24) months from the execution of this lease, and thereafter to diligently prospect, develop, and mine, in or upon the leased land, and that

all mining operations shall be done in a good and workmanlike manner, using the most approved methods of mining and to substantially protect all surface openings or workings where persons or animals are likely to be injured by falling therein, or endangered otherwise, except as the Lessor shall otherwise direct.

ASSIGNMENT. 4. This agreement shall be binding upon the heirs, successors, executors, administrators and assigns of the Lessee, and the said Lessee may assign this lease, provided, however, that before any assignment shall take effect the said Lessee shall secure approval of the State Board of Land Commissioners.

STATEMENTS. 5. To furnish written statements in detail and in such form as may be prescribed or approved by the Lessor, showing the amount, quality, and value of all minerals produced during the preceding month as the basis for computing the royalties due the Lessor. The leased premises and all workings, improvements, machinery, and fixtures thereon or connected therewith, and all books and accounts of the Lessee whenever wanted shall be open at all times for the inspection of any person duly authorized by the State Board of Land Commissioners.

REPORTS. 6. To furnish annually and at such times as the State Board of Land Commissioners may require, in the manner and form prescribed by said Board a plat showing all development work and improvements on the leased lands, and in case it is advisable to prospect by diamond drilling, an itemized statement of actual cost of drilling, location of drill hole, and a complete log of each hole drilled; and other related information with a report as to all building, structures, or other work placed in or upon said leased lands, accompanied by a report in detail as to the stockholders, investments, depreciation and cost of operation, together with a statement as to the amount and grade of minerals produced and sold and the amount received therefor, by operations hereunder.

BULLION. 7. That all bullion taken from said premises shall be sold to the United States Mint or a branch or agency thereof, and the payment of royalties shall be accompanied by a copy of the mint returns from each and every shipment.

SALES RETURN. 8. That a copy of shipment or sales returns for all minerals sold from said premises shall accompany the royalty payment. In the event that no sale is made of certain minerals thus produced and the minerals left in stockpile, royalties shall be paid on these minerals at the termination of this lease, based on the highest market value, in stockpile, during the terms of this lease.

CLEAN-UPS. 9. The Lessee will notify the Lessor, by filing a written notice with the State Land Commissioner, of any clean-up at least five (5) days in advance of all clean-ups and that the Lessor shall have the right to have a representative or representatives present upon any dredge, machine or device used by the Lessee at the time of any and all clean-ups.

TERMINATION. 10. To deliver up the premises leased with all permanent improvements thereon in good order and condition upon termination of, cancellation or forfeiture of this lease.

TAXES. 11. To pay when due all taxes and assessments of any kind lawfully assessed and levied under the laws of the State of Idaho.

SUBJECT TO STATUTES. 12. To comply with and be subject in all respects to the conditions, limitations, penalties and provisions contained in Title 47, Chapter 7, Idaho Code, as amended, which are hereby made a part hereof to the same extent as if incorporated herein, and be subject also to the conditions, limitations, penalties and provisions of applicable Federal statutes and laws of the State of Idaho regarding the operations of mines and of provisions of the Workman's Compensation and State Fire Laws of the State of Idaho

OTHER MINERALS. 13. The prospecting and mining rights and privileges leased as aforesaid extend to and include only gold, silver, cinnebar, lead, uranium, tungsten, tin, copper, or other valuable deposits of associated minerals, in place on lode or quartz or other rock, and that no right or privilege respecting any other kind or

character of mineral, or minerals, is granted or intended to be granted by this lease, but the Lessee shall promptly notify the Lessor of the discovery of any valuable minerals other than those covered by this lease; nor shall this lease be construed to prohibit the leasing of the lands in question for any purpose, including mining, other than for those minerals specifically covered herein.

CANCELLATION. 14. That upon failure to pay rentals or royalties, as herein provided, or upon failure to comply with any of the conditions, provisions or covenants of this lease, the Lessor may at its option, after thirty (30) days' notice by registered mail to the Lessee or Lessee's assigns, cancel the lease.

FORFEITURE. 15. That upon failure, or refusal, of the Lessee to accept the readjustment of terms and conditions demanded by the Lessor at the end of the period of this lease within thirty (30) days after the expiration thereof, such failure or refusal shall work a forfeiture of any right of the Lessee. Improvements, as defined by Section 47-705, Idaho Code, on expiration, cancellation, or forfeiture, of this lease, shall become property of the State of Idaho as provided for in Section 47-705, Idaho Code.

TERMINATION. 16. That the Lessee may terminate this lease at any time upon giving one (1) month's notice in writing to the Lessor, and upon payment of all rents and royalties and other sums due and payable to the Lessor, and complying with the other terms of this lease.

EASEMENTS. 17. There is expressly reserved the right to permit for joint or several use such easement or right of way upon, through, or in, the lands hereby leased, occupied, or used, as may be necessary or appropriate to the working of the same or of other lands containing mineral deposits, and the treatment and shipment of products hereof by or under authority of the Lessor, its lessees or permittees, for other public purposes.

SURFACE RIGHTS. 18. There is further reserved the right to lease, sell, or otherwise dispose of the surface of the lands embraced within this lease, for any purpose, grazing, mining, agricultural, or otherwise, insofar as said surface is not necessary for the use of the Lessee in the extraction and removal of the minerals therein, and the said Lessee also agrees to take this lease subject to any outstanding leases or contracts for sale by the State of Idaho of any kind whatsoever.

WATERING HOLE. 19. That the Lessee, or Lessee's assigns, shall not at any time fence any watering place upon these lands where the same is the only accessible and feasible watering place within a radius of one (1) mile, nor shall these premises, or any part thereof, be used in such manner that the waters running in the natural streams or creeks upon said lands or waters from said lands which may reach natural streams or creeks be polluted and made unfit for domestic or for irrigation use, and it is hereby made the duty of the Lessee to see that such waters are not so polluted, or made unfit for such uses.

TIMBER. 20. That the Lessee shall not interfere with the removal of timber purchased prior or subsequent to the issuance of this lease, nor shall the Lessee cut and/or remove any timber on said land without complying with the laws of this State respecting the cutting and/or removal of said State timber, and said Lessee shall be responsible to the State of Idaho and also to injured third parties for damage to State timber or timber purchased from the State and relating to the lands embraced within this lease.

SUCCESSION. 21. That every obligation hereunder shall extend to and be binding upon, and every benefit hereof shall inure to the heirs, successors, executors, administrators and assigns of the respective parties thereto.

EXCAVATION. 22. That there will be no use of any heavy excavating equipment for the prospecting of the surface of this lease. In the event that the Lessee desires to so prospect, he must secure the written approval of the Lessor, outlining his method and the area to be excavated.

BOND. 23. That the Lessee shall provide a bond in the amount of one thousand dollars ($1,000.00) to guarantee the fulfillment of and compliance with all of the terms and conditions of this lease, except the payment of rentals and royalties, and in particular for the protection of surface rights. It is further agreed that the State Land Commissioner may require said bond to be increased to a maximum of six thousand dollars ($6,000.00) when, in his judgement, the nature of the Lessee's operation warrants such increase.

STATE BOARD OF LAND COMMISSIONERS

Countersigned

Louis E. Clapp
Secretary of State

O. J. Buxton
State Land Commissioner

True Copy of Governor's facsimile signature, authorized by Section 59-1019 Idaho Code

Robert E. Smylie
Governor of the State of Idaho and President of the State Board of Land Commissioners

King Solomon Mines
Lessee

By Keith Kendall
Lessee Secretary Treasurer

State of Idaho)
) ss
County of Ada)

On this 8 day of August, 1966, before me a notary public in and for said State, personally appeared ROBERT E. SMYLIE, known to me to be the Governor of the State of Idaho and President of the State Board of Land Commissioners, LOUIS E. CLAPP, known to me to be the Secretary of State of Idaho, and O. J. BUXTON, known to me to be the State Land Commissioner of the State of Idaho, that executed the said instrument and acknowledged to me that such State Board of Land Commissioners and State of Idaho executed same.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year last written above.

Notary Public residing at Boise, Idaho

My Commission expires

3-5-67

State of Idaho)
) ss.
County of Ada)

On this 10 day of August, 1966, before me, the undersigned, a notary public in and for said State, personally appeared Keith Kendall

(INDIVIDUAL - Strike out if not applicable)

known to me to be the person whose name is/are subscribed to the foregoing instrument and acknowledged to me that they executed the same.

(PARTNERSHIP - Strike out if not applicable)

one of the partnership of _____
and the partner of one of the partners who subscribed said partnership's name to the foregoing instrument, and acknowledged to me that they executed the same in the said partnership name.

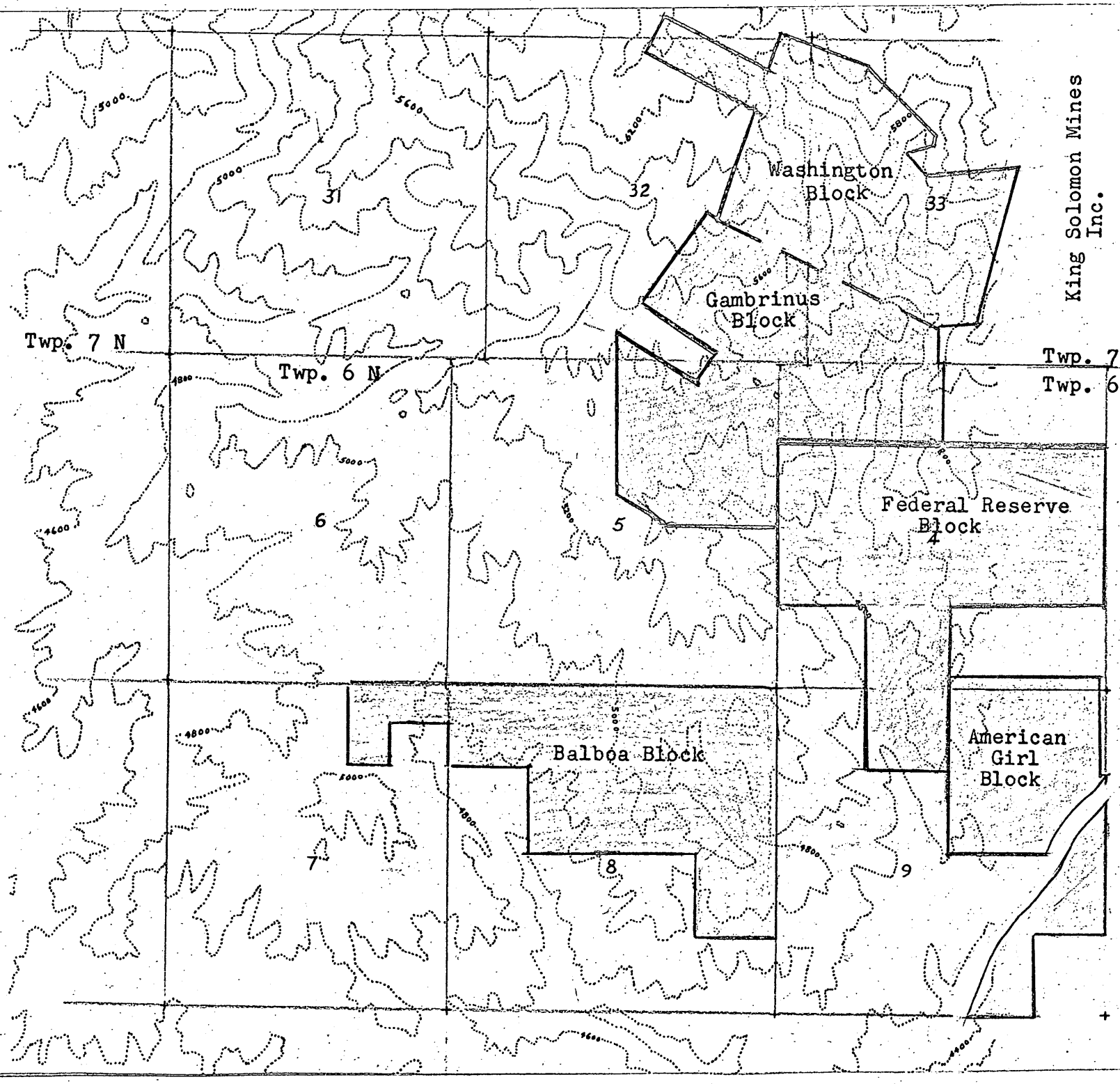
(CORPORATION - Strike out if not applicable)

the King Solomon Mines Inc of the corporation that executed the foregoing instrument or the person who executed the said instrument on behalf of the said corporation and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year last written above.

Kenneth Hoopes
Notary Public residing at
City of Boise
State of Idaho

My commission expires
3/9/68



King Solomon Mines Inc.

Properties in Rge. 6 E, B.M. other than King Solomon Block.

Exhibit 2 (b) 2

AMERICAN SMELTING AND REFINING COMPANY
TACOMA SMELTER
TACOMA 1, WASHINGTON

November 19, 1962

R. E. SHINKOSKEY
MANAGER

M. L. PLAGS
GENERAL SUPERINTENDENT

GEN R. PETRIE
ACCOUNTING MANAGER

D. A. SOMERVILLE
ORE BUYER

3 (c) 1

Boise Cascade Corporation
Land Department
P.O.Box 200
Boise, Idaho

Attention: Mr. I. A. Anderson

Gentlemen:

QUOTATION NO. 729
SMELTER LOT 2166

Enclosed you will find our Domestic Purchase Schedule, Quotation No. 729, which contains terms for the purchase of siliceous ore having the analysis shown by the two cars of ore you recently shipped.

We regret that the assays of this material are so low that it will not pay either the rail and switching charges or the low treatment rate we assess on this type of rock.

We enclose our settlement sheet and you will note you owe us $174.00. In order to help you, we will cancel this amount.

Very truly yours,

D A Somerville

D. A. SOMERVILLE

DAS:MC

Encs.

American Smelting and Refining Company
Tacoma Smelter
Tacoma, Washington

QUOTATION No. 729

DOMESTIC PURCHASE SCHEDULE

EFFECTIVE DATE 11/19/62

Shipper Boise Cascade Corporation
Land Department

Address P.O.Box 200, Boise, Idaho

Mine King Solomon Mines

Shipping Point Boise, Idaho

The following purchase terms are subject to the General Clauses shown on the back of this sheet, and are subject to prompt acceptance. Unless shipments are begun within _____ days, this schedule is subject to revision. The schedule can be cancelled by 30 days' written notice to shipper at the above address.

Assignments of any part or all of the proceeds from your shipments will not be honored unless received in writing and accepted by us in writing.

PRODUCT: Siliceous Ore

ANALYSIS:

Oz./Ton		Per Cent												
Au	Ag	Pb	Cu	Zn	As	Sb	Ni	SiO2	Fe	CaO	S	Al2O3	Bi	H2O
0.02	0.88	No	Tr.	0.2	0.15	No	No	76.9	1.8	0.5	0.1	13.5		

TONNAGE: Limited to _____ tons per month except by special arrangement.

DELIVERY: F.O.B. cars or wharf at the Tacoma Smelter, Tacoma, Washington.

DATE OF DELIVERY: Date upon which the last car of each lot is accepted by Tacoma Smelter, or upon which carrying vessel commences discharge of product onto Smelter wharf.

PAYMENTS

GOLD: (A) If 0.03 of a troy ounce per net dry ton and less than 3.00 ounces pay for 91.14%, (B) If 3.00 ounces and less than 5.00 ounces pay for 92.57%, (C) If 5.00 ounces and less than 10.00 ounces pay for 93.29%, (D) If 10.00 ounces or over pay for 94.00%, at the net price per ounce paid by the United States Mints for gold recovered from domestic mine production on the fifteenth day following delivery of the product to the Tacoma Smelter. Nothing paid for gold if less than 0.03 ounces per net dry ton. Minimum deduction 0.03 ounces per net dry ton. The present Mint net price is $34.9125 per ounce.

SILVER: Pay for 95% at the realized Mint price (i.e., Mint price less Buyer's deductions to cover delivery and other expenses), provided the silver content qualifies for Government purchase and necessary affidavit or other proof is furnished, or, if higher, at the average Handy and Harman New York silver quotation for the seven-day period ending on the Wednesday following the calendar week including the date of delivery, in either case less one cent per ounce. Minimum deduction 1/2 troy ounces per net dry ton. The present realized Mint price is 90¢ per ounce.

COPPER: No Pay Copper — Deduct from the wet copper assay _____ units and pay for 100.0% of the remaining copper at the Custom Smelter Copper Price, f.o.b. refinery, for electrolytic copper sold in standard shapes in the United States market as published in the Engineering and Mining Journal (Metal and Mineral Markets) for the seven-day period ending on the Wednesday following the calendar week including date of delivery of product at the plant of Buyer, less a deduction of _____ per pound of copper paid for. Nothing shall be paid for copper if less than _____% by wet assay.

No payment will be made for any metal or content except as above specified.

DEDUCTIONS

BASE CHARGE: $ 2.00 per net dry ton of 2,000 pounds, provided the sum of payments for gold, silver, and copper does not exceed $ 50.00 per net dry ton. Add to the base charge ten per cent of the excess over such payment of $ 50.00 to a maximum base charge of $ 17.50 per net dry ton.

SILICA: For ores of a siliceous character, add to the base charge twenty for each unit deficiency in available silica below 70 per cent; fractions in proportion. To determine available silica deduct two-thirds of the iron assay from the silica assay.

ZINC: 5.0 % free. Charge for the excess at 30¢ per unit of dry weight; fractions in proportion.
ARSENIC: 1.0 % free. Charge for the excess at 50¢ per unit of dry weight; fractions in proportion.
ANTIMONY: 1.0 % free. Charge for the excess at 100¢ per unit of dry weight; fractions in proportion.
NICKEL: 0.5 % free. Charge for the excess at 300¢ per unit of dry weight; fractions in proportion.
MOISTURE: 10.0 % free. Charge for the excess at 10¢ per unit of wet weight; fractions in proportion.

OTHER CLAUSES: See reverse side of this schedule.

Consign all shipments to the American Smelting and Refining Company, Tacoma, Washington, and mail original bill of lading and, if not forwarded prior, one completed yellow instruction blank for making payment to P. O. Box 1605, Tacoma 1, Washington. We will also require proof of your right to dispose of this material, such as a certified copy of your lease or deed or the filing of your claim with the County Auditor, before we can accept any initial shipment.

AMERICAN SMELTING AND REFINING COMPANY

By D. A. Somerville

D. A. SOMERVILLE

P. O. Box 1605
Tacoma 1, Washington

(over)

CONTRACT NO. 729

P. O. BOX 1605
Tacoma 1, Washington

DATE November 19-1962
SMELTER LOT NO. 2166
MINE LOT NO.
MATERIAL Bulk Ore
DATE RECEIVED 11-7-62
ENTRY
MINE NAME
CAR OR VESSEL See Below

STATEMENT OF SETTLEMENT

NAME OF SHIPPER: Boise Cascade Corporation
Land Department
P.O. Box 200
Boise, Idaho
Attention: I. A. Anderson

GROSS WEIGHT ____ LBS.
CONTAINERS ____ LBS.
NET WEIGHT 237900 LBS.
MOISTURE ____ %
NET DRY WEIGHT 225046 LBS.

METAL QUOTATIONS:	DATES	PRICE	LESS	NET
GOLD				
SILVER HH	11/8-14	119.725	1.000	118.725
LEAD				
COPPER				
COPPER				

	ASSAY & ANALYSIS	METAL CONTENTS								DEBITS	CREDITS
GOLD	02	OZS.		OZS. @		% (Minimum Deduction .03 oz)			— OZS.		
SILVER	88	OZS.	99	OZS. @	95	% MIN. 1/2	OZS.	43	OZS.		51 05
LEAD	/	%		LBS. LESS		UNITS @	%		LBS.		
COPPER	11	%		LBS. LESS		UNITS @	%		LBS.		
COPPER		%		LBS. LESS		UNITS @	%		LBS.		
ZINC	20	%	LESS	UNITS		% @		$			
ARSENIC	15	%	LESS	UNITS		% @					
ANTIMONY	/	%	LESS	UNITS		% @					
NICKEL	/	%	LESS	UNITS		% @					
BISMUTH		%	LESS	UNITS		% @					
TIN		%	LESS	UNITS		% @					
CHLORINE		%	LESS	UNITS		% @					
SILICA	76 90	%	LESS	UNITS		% @					
IRON	1 80	%	LESS	UNITS		% @					
LIME	50	%	LESS	UNITS		% @					
SULPHUR	10	%	LESS	UNITS		% @					
ALUMINA	13 50	%	LESS	UNITS		% @					

BASE CHARGE							2 00	
LABOR	PER HR. $	BASE $	@	¢ FOR EA.	¢			
OIL	PER BBL. $	BASE $	@	¢ FOR EA.	¢			
METAL VALUE PER TON $		BASE $	@	%				
TOTAL TREATMENT PER TON				225046	LBS. @ $	2 00	225 05	
SAMPLING AND ASSAYING								
FREIGHT 237400	LBS. @ $	PER ___ TON $		Prepaid		TAXES $		
SMELTER LABOR (DISCHARGING)	$					SWITCHING $		
SACK CHARGE	LBS. @ $	PER TON						
IN SOLID BOTTOM CAR		LBS. @ $		PER TON				
UMPIRE CHARGES $ ✓		; CUSTOMS $		; REPRESENTATION $ ✓				
ADVANCED ON								
LESS COINAGE SILVER PAYMENT PENDING RECEIPT OF AFFIDAVIT								
ROYALTY	% OF $							
						DUE SHIPPER		xxxxxxxx xxxxx
						DUE SMELTER	xxxxxxxx xxxxx	174 00
						TOTALS	225 05	225 05

Freight Valuation: #

LOT	CAR	FRT. WT.	SETTLEMENT WET	H2O	DRY	ASSAYS AU	AG	CU	CONTENTS AU	AG	CU
	60425	122620	122800	5.05	116599						
	60855	114780	115100	5.78	108447						
			237900		225046						

RM C.O. 77-2

3 (c) 2

UNITED STATES SMELTING REFINING AND MINING COMPANY

3604-B

NINTH FLOOR NEWHOUSE BUILDING
P. O. BOX 1980 SALT LAKE CITY, UTAH 84110

Salt Lake City, Utah, SEPTEMBER 28, 1966

Purchased From KING SOLOMON MINES, INC., P. O. BOX 166, IDAHO CITY, IDAHO 83631

Pay BOISE CASCADE CORPORATION, ATTENTION, IRA ANDERSON, TIMBER DIVISION, BOISE, IDAHO

Shipping Point: IDAHO CITY, IDAHO

Lot No. 1 Product CONCT. Mine KING SOLOMON Gold License No.

Sampled by TOOLIE Received 9-20-66 Sampled 9-21-66 Assayed 9-23-66

Metal Quotations—Gold 34.9125 Silver 1.289 Copper, N. Y. Lead, N. Y. Zinc, E. St. L.

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	COPPER %	LEAD %	INSOLUBLE %	IRON %	ZINC %	SULPHUR %	LIME %	ARSENIC %	NON-SULPHIDE LEAD %	NON-SULPHIDE ZINC %
O & D S. S. R. & M. Co.	8.815	111.29										
O & D UNION	8.920	113.28										
Umpire												
ss Non-Sulphide												
ettlement	8.868	112.29	tr	tr	88.2	4.9	tr	.60	tr	.80		

AR NOS.	NET WEIGHT
Truck - 1 load	
otal Weight	196
ontainers	18
et Weight	178
oisture 0.69 %	1
y Weight	177

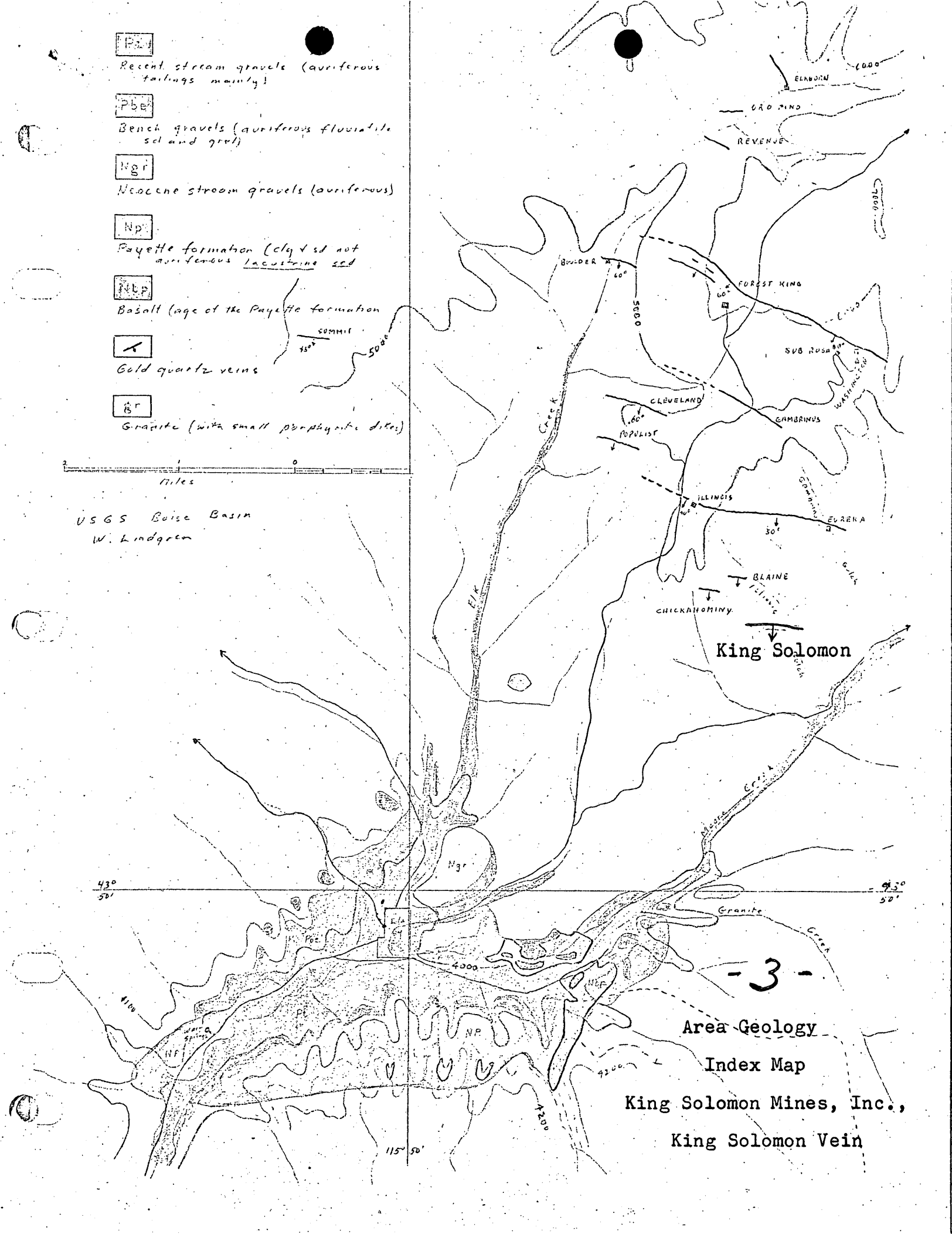
METAL VALUES		
Gold 100 % @ 31.82	282	18
Silver 95 % @ 1.289	137	50
Copper		
Lead		
Zinc		
Total Metal Value	419	68
Less Treatment Charge	15	00

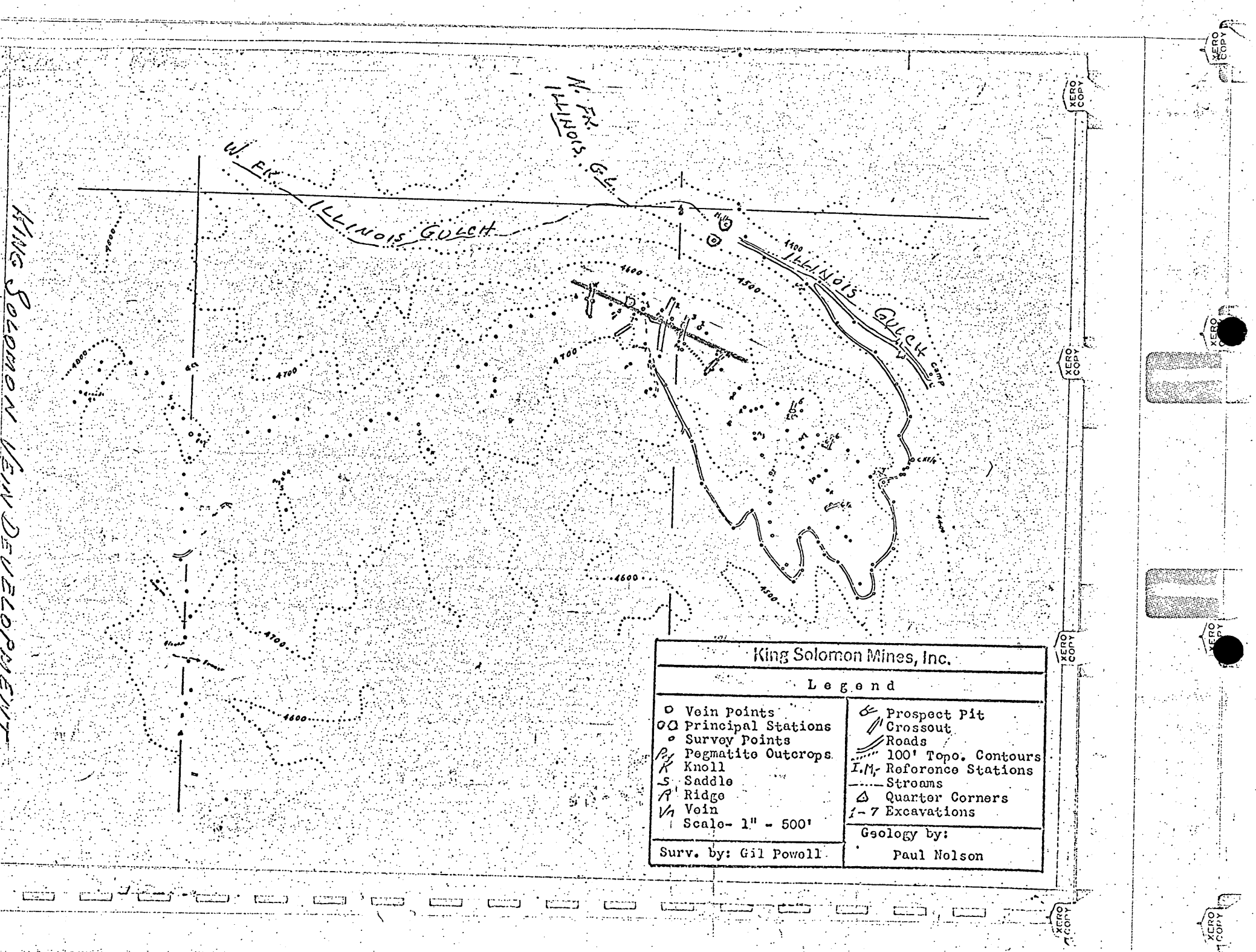
TREATMENT CHARGES	DEBIT	CREDIT
Based on % Lead		
Variation from % Lead		
Labor		
Insoluble		
Zinc, excess over %		
Sul., excess over %		
As., excess over %		
Iron		
Lime		
Net Treatment Charge		

ayment for .0885 Dry Tons @ 404 68 PerTon 35 8

		DEDUCTIONS
eight (Value under Per Ton)	Wet Tons @ Per Ton	
andling Charge - under 15 tons		15 00
ssay Charge		7 00
mpire Charge		
atching Charge		4 00
auling Wet Tons @ Per Ton		
y Hauling to:		
oyalty:		
Total Deductions		26 0

SEP 29 1966
VOUCHER NO.
60182
P A


Pzal
Recent stream gravels (auriferous tailings mainly)
Pbel
Bench gravels (auriferous fluviatile sd and grvl)
Ngr
Neocene stream gravels (auriferous)
Np
Payette formation (clg & sd not auriferous lacustrine sed
Nbp
Basalt (age of the Payette formation
Gold quartz veins
Gr
Granite (with small porphyrite dikes)
Miles
USGS Boise Basin
W. Lindgren
ELKHORN
ORO FINO
REVENUE
BOULDER
FOREST KING
SUB ROSA
CLEVELAND
CAMBRINUS
POPULIST
ILLINOIS
EUREKA
BLAINE
CHICKAHOMINY
King Solomon
Elk Creek
Moore Creek
Granite Creek
Ngr
Pbl
Pbl
Np
Nbp
Nbp
4000
4100
4200
4300
43° 50'
115° 50'
-3-
Area Geology
Index Map
King Solomon Mines, Inc.,
King Solomon Vein


King Solomon Mines, Inc.
Legend
Vein Points
Principal Stations
Survey Points
Pegmatite Outcrops
Knoll
Saddle
Ridge
Vein
Scale- 1" - 500'
Prospect Pit
Crossout
Roads
100' Topo. Contours
I.M.- Reference Stations
Streams
Quarter Corners
1-7 Excavations
Surv. by: Gil Powell
Geology by:
Paul Nelson
W. Fk. Illinois Gulch
N. Fk. Illinois Gulch
Illinois Gulch
Camp
4600
4700
4500
4400
King Solomon Vein Development

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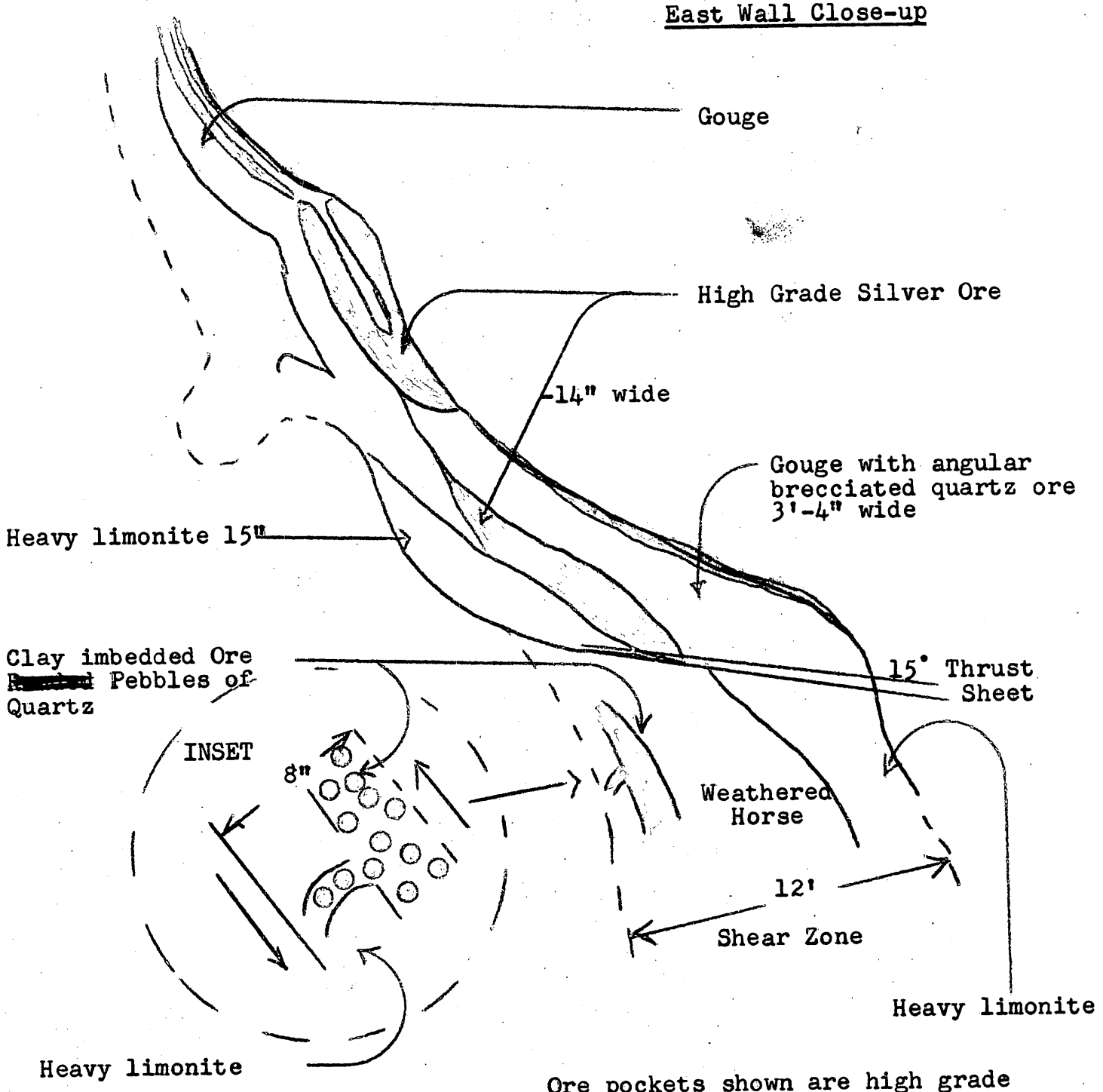
King Solomon Mines, Inc.,

Vein Analysis

Exhibit 3 XXXXX (e) 1

Cross Section Sketch
Vein Structure
Cut # 2

East Wall Close-up



Hanging wall fractures strike N. 65 E and N. 75 E., & dip average 50 S.

Lower fractures dip 30 S., Irregular spacing one to seven inches.

Weathered Horse fractures strike N85 W., & dip 60 S. spaceing 1" & 1½".

Ore pockets shown are high grade silver bearing quartz with argentite and proustite and average assays between 3o and 50 ounces of silver per ton except when leached.

Gouge areas contain argentiferous quartz pebbles due to grinding in the shear zone.

Footwall alunite backed up by a very weathered porphritic or coarse grained wall rock. Hanging wall - finer grained.

King Solomon Mines, Inc.,
Vein Analysis

Exhibit 3 XXXXXX (e) 2

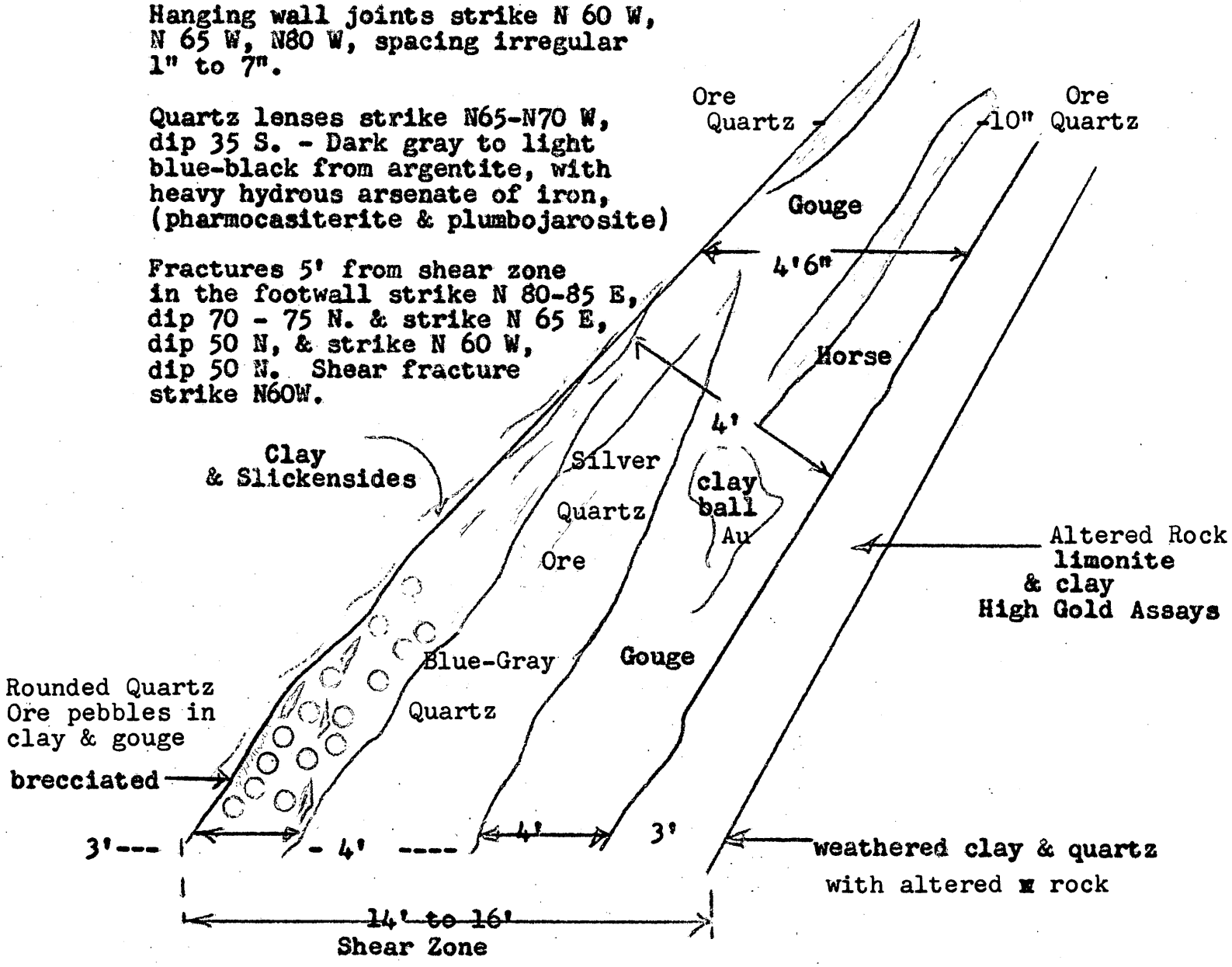
Cross Section Sketch
Vein Structure
Cut # 2

West Wall Close-up

Hanging wall joints strike N 60 W, N 65 W, N80 W, spacing irregular 1" to 7".

Quartz lenses strike N65-N70 W, dip 35 S. - Dark gray to light blue-black from argentite, with heavy hydrous arsenate of iron, (pharmocasiterite & plumbojarosite)

Fractures 5' from shear zone in the footwall strike N 80-85 E, dip 70 - 75 N. & strike N 65 E, dip 50 N, & strike N 60 W, dip 50 N. Shear fracture strike N60W.



Vein Dip Average 58 S - SW

Fractures parallel and subparallel to or at an angle to shear zone mineralized with heavy charges of limonite and wad. Fractures perpendicular to shear zone parallel and at an angle to the dip (vertical) partial to filled with mineralization.

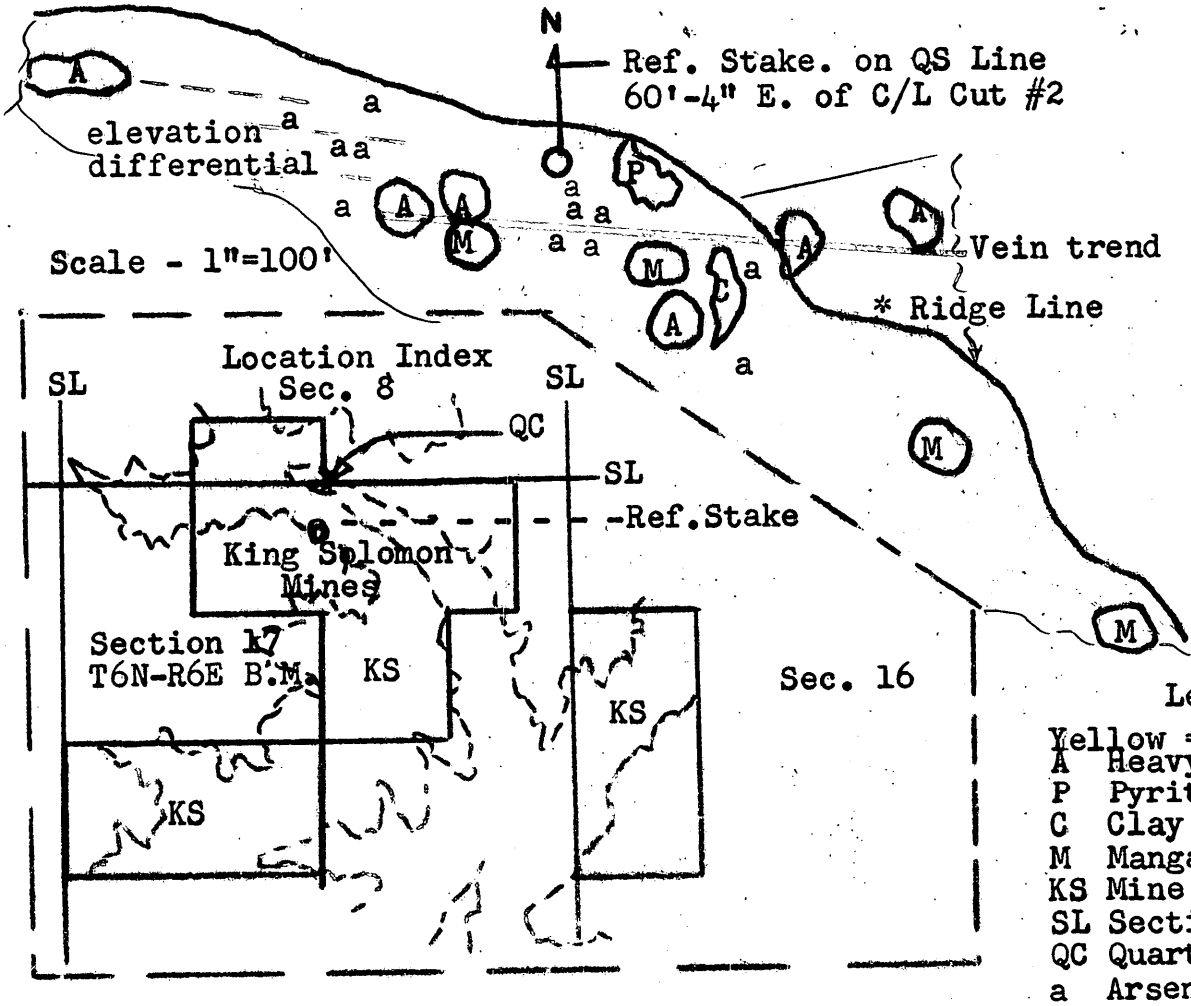
Tension joints filled with water carried minerals from the surface, no evidence of shear.

70 feet in the hanging wall fractures strike as follows:

N25W dip 60 E spaced 12" predominately primary
N85W dip 55 N irregular spacing 2-10" secondary
N60W dip 60 S " " 2-10" tertiary

King Solomon Mines, Inc.,
Surface Geo-Chemical Map
King Solomon Vein

3 (f)



Legend

Yellow = Silver Showing
A Heavy Arsenic centers
P Pyrites in clay bed
C Clay Bed center
M Manganese Dioxide
KS Mine Property (leased)
SL Section Line
QC Quarter Corner
a Arsenic showing

Composite Surface Tests
Typical Spectrographic Analysis

Major	1.0 to 10.0%	.1 to 1.0%	.01 to .10%	less than .01%
Silicon	Aluminum Sodium Potassium	Iron Calcium Magnesium	Titanium Manganese Strontium Zirconium Boron Barium	Vanadium Chromium Nickel Cobalt Lead Silver Copper

Lab # 7582 Met. Lab.

Sample from 500 lbs. Surface Mat'l. from composite sampling of mapped area shown along ridge. Split & tested.

Composite Mineral Identifications

Argentite monazite limonite jarosite zircon xenotime
garnet arsenopyrite biotite muscovite ilmenite pharmocosiderite
proustite cerargyrite magnetite realgar copper silver iron
wad pyrites quartz alunite feldspar unidentified clays gold

METALLURGICAL LABORATORIES CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO 3, CALIFORNIA • UNDERHILL 3-8575

Submitted by Mr. George Whitmore
222 West Bannock Street
Boise, Idaho

Date June 12, 1962

Sample of Mineral 1-5

Qualitative Spectrographic Analysis

METALS FOUND AND PERCENTAGE RANGE

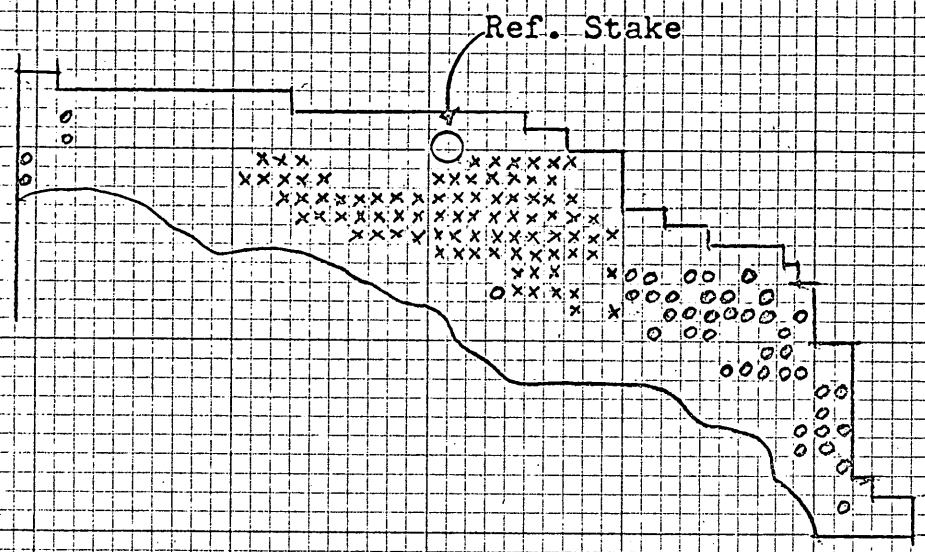
LESS THAN 0.01%	.01 TO .10%	.10 TO 1.0%	1.0 TO 10.0%	MAJOR	LAB. NO.
Vanadium	Titanium	Iron	Aluminum	Silicon	7582
Chromium	Manganese	Calcium	Sodium		
Nickel	Strontium	Magnesium	Potassium		
Cobalt	Zirconium				
Lead	Boron				
Copper	Barium				
Silver					

REMARKS:

No commercial value is indicated.

METALLURGICAL LABORATORIES

By [signature]
SPECTROCHEMIST



SURFACE GEO-CHEMICAL

Silver Mapping of King Solomon Vein

Scale 1" = 100'

legend

o = Ag Trace .01 oz. per ton or better

x = Ag High 1 oz. per ton or better

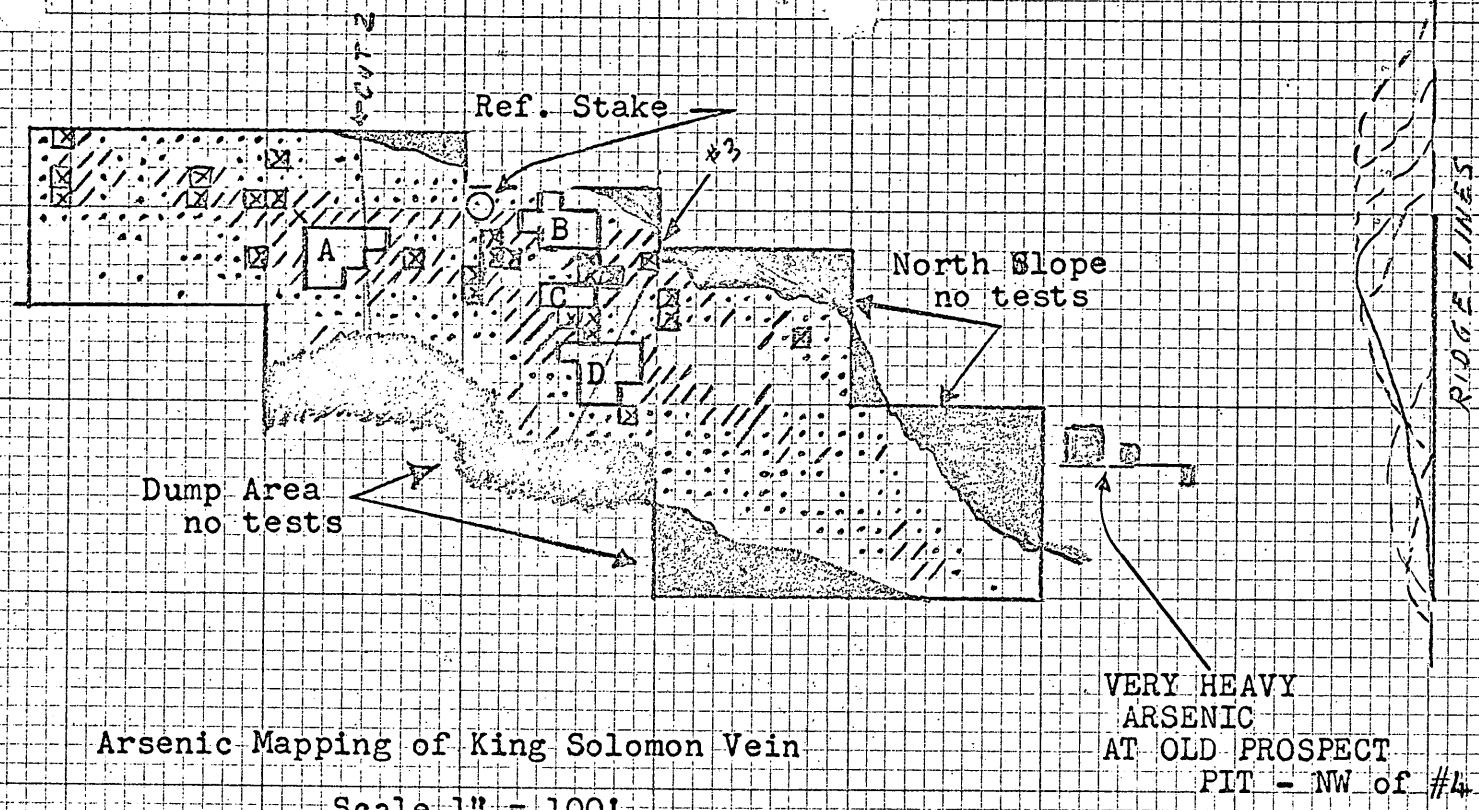
Blank square within outline = .1 oz. per ton or better

Ref. Stake 60'-4" East of Center Line of Cut #2, On N/S line from Quarter Corner in Illinois Gulch.

REMARKS: Cluster around pit #3 could have more silver spread over a larger area due to old pit fill heaped around prospect pit.

Exhibit 3 (d) 1

King Solomon Mines, Inc.
P.O. Box 166
Idaho City, Idaho 83631



SURFACE GEO-CHEMICAL

Arsenic Mapping of King Solomon Vein

Scale 1" = 100'

legend

- • Trace of arsenic, one pos. test per grid.
- / Intermediate arsenic, two to three pos. tests per grid.
- ⊠ Medium heavy arsenic, pos. tests in all samples per grid.
- A,C,D Very Heavy arsenic, arseno-pyrites, arsenates.
- B Iron Pyrites bed, medium heavy arsenic.

Ref. Stake 60'-4" East of Center Line of Cut #2, On N/S line from Quarter Corner in Illinois Gulch.

REMARKS: Some tests in southern sections believed to have some arsenic pick-up from cat scrapings in cleaning the area between cut two and cut three. Areas shown with x or letter blocks were all in place and heavy arsenic areas are considered accurate.

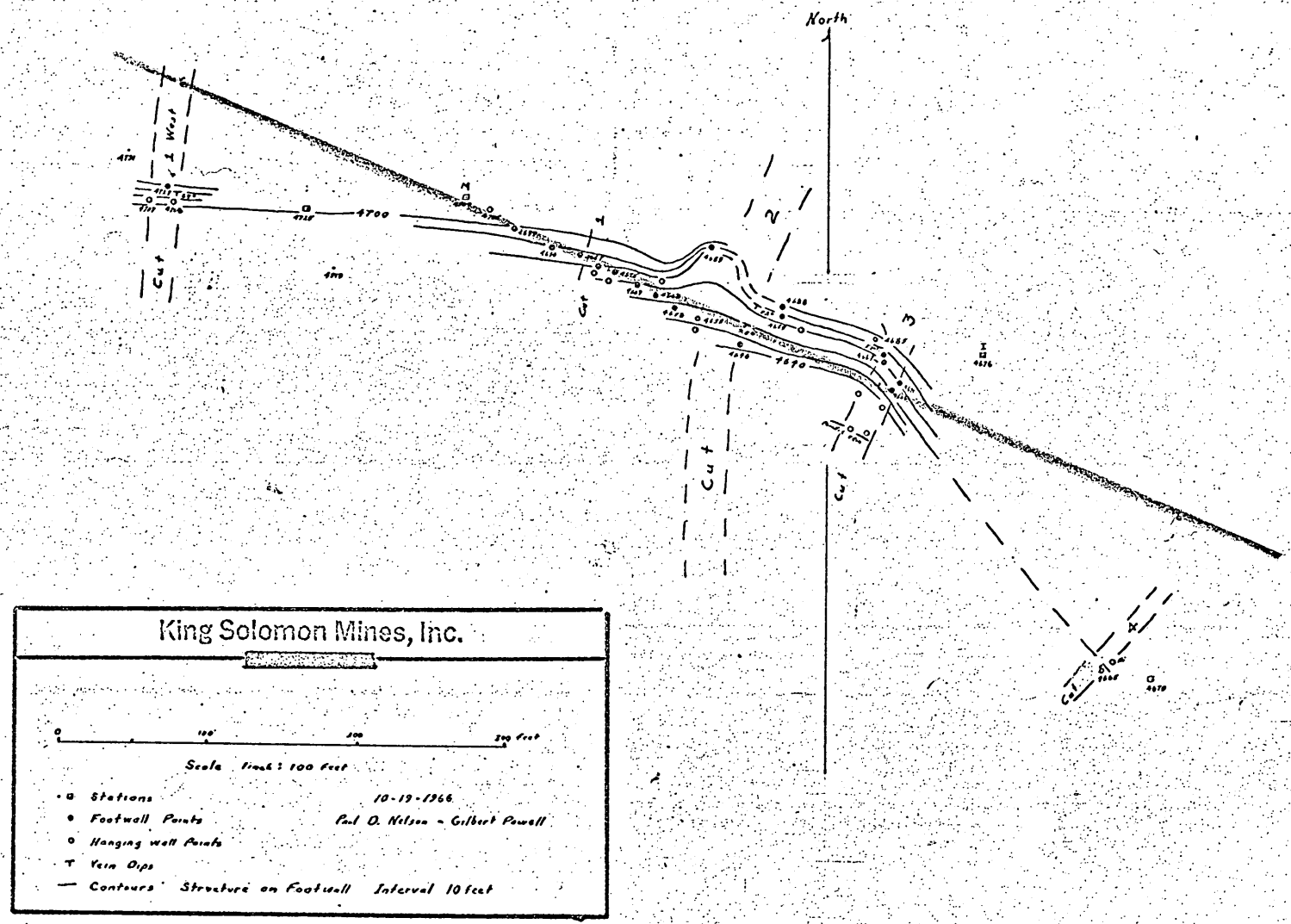
Exhibit 3 (d) #2

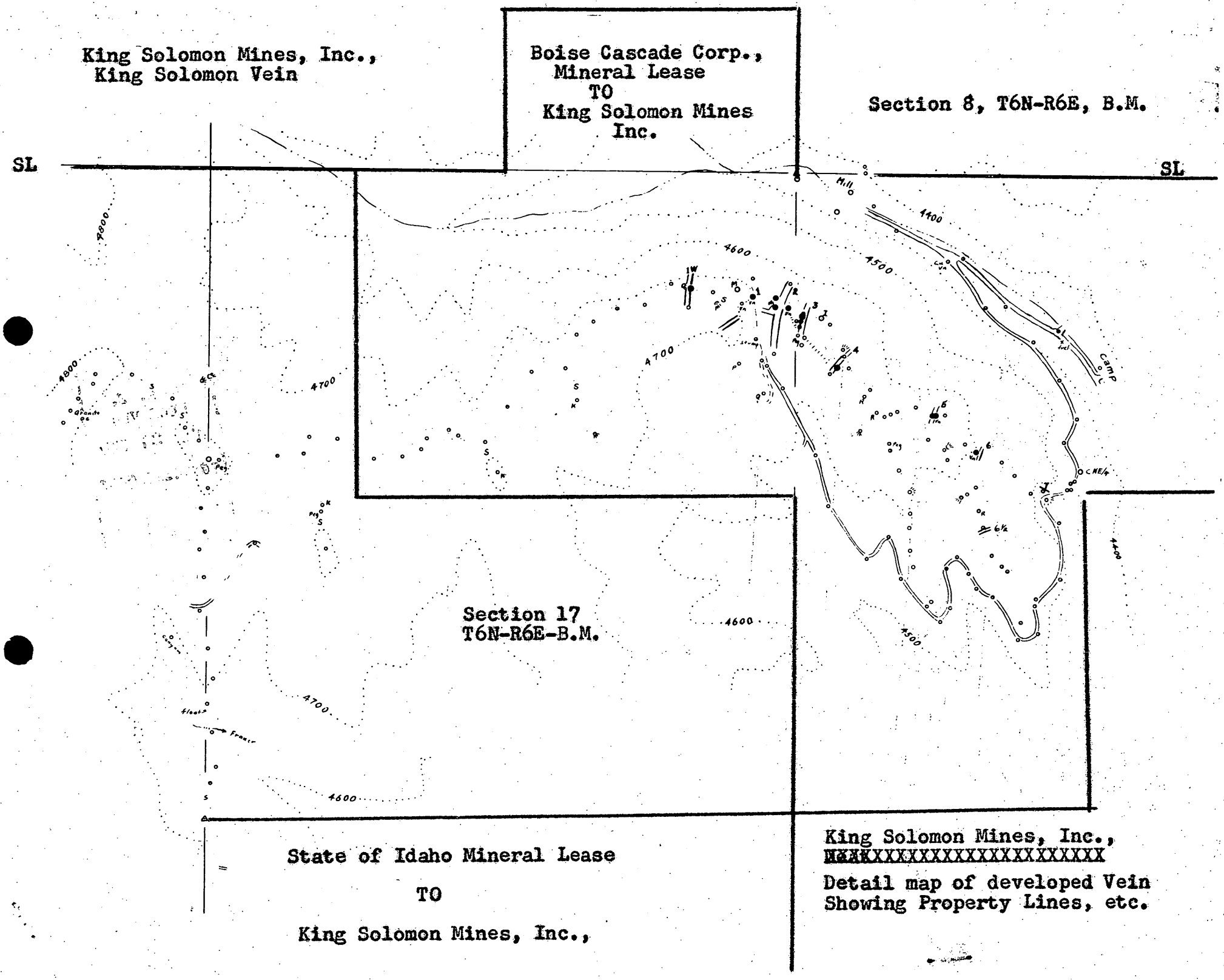
King Solomon Mines, Inc.
P.O. Box 166
Idaho City, Idaho 83631

1962-1963 -

Exh 2

Exhibit 2




King Solomon Mines, Inc.,
King Solomon Vein
Boise Cascade Corp.,
Mineral Lease
TO
King Solomon Mines
Inc.
Section 8, T6N-R6E, B.M.
SL
SL
Section 17
T6N-R6E-B.M.
State of Idaho Mineral Lease
TO
King Solomon Mines, Inc.,
King Solomon Mines, Inc.,
XXXXXXXXXXXXXXXXXXXXXXXX
Detail map of developed Vein
Showing Property Lines, etc.
4800
4700
4600
4500
4400
Mill
Camp
Granite
Peg
Fraser

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3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
~~REGION XIX~~

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH 84112

March 3, 1964

Mr. Joseph McKnight
435 East South Temple
Salt Lake City, Utah

Dear Mr. McKnight:

The two rock specimens you recently left at this Research Center have been examined. The essential facts disclosed by a petrographic examination are as follows:

Wall Rock No. 15 - This sample is a fine-grained, partly altered granite composed of quartz, orthoclase, and microcline feldspars, muscovite mica, sericite, clay, and limonite. The feldspars are partly altered to sericite and clay.

Wall Rock No. 20 - This rock is also a granite, but it is somewhat coarser grained, less altered, and contains considerable biotite mica. The principal minerals present are quartz, orthoclase, and microcline feldspars, biotite and muscovite mica, sericite, clay, and limonite.

Sincerely yours,

Carl H. Schack

Carl H. Schack
Supv. Research Metallurgist

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

PHONE EM 3-7417 · 229-231 SOUTH WEST TEMPLE STREET · P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH October 8, 1963

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Mn Nodules LOC	18	0.01	14.40							35¢

REMARKS:

CRISMON & NICHOLS

CHARGES $ 2.50 BY

LOC	15	Trace	Trace							
LOC	18	0.01	1.10							35¢

REMARKS:

CRISMON & NICHOLS

CHARGES $ 5.00 Paid BY

Loc	24	0.02	0.50							70¢
"	36	0.01	0.20							35¢
"	42	0.01	0.20							35¢

REMARKS:

CRISMON & NICHOLS

CHARGES $ 7.50 BY

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE EM 3-7417 — P. O. BOX 1708

REPORT OF ASSAY

BALT LAKE CITY, UTAH October 17, 1963

J. H. Mc Knight

WE HAVE ASSAYED YOUR four SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Location	21	0.02	0.40							70¢
"	27	0.01	0.30							35¢
"	33	0.03	5.40	✓						$ 1.05
"	39	0.01	0.20							35¢

REMARKS:

CHARGES $ 10.00 Paid

CRISMON & NICHOLS

BY [signature]

Loc	3	Trace	Trace							
"	6	Trace	Trace							
"	9	Trace	Trace							
"	12	Trace	Trace							
"	30	0.01	Trace							35¢
"	60	0.01	Trace							35¢

		PER TON	PER TON	LEAD	COPPER	ZINC	INSOL.	IRON		PER TON
Location	66	Trace	Trace							
"	69	Trace	Trace							
"	75	Trace	0.20							
"	78	Trace	0.20							
"	81	Trace	Trace							

REMARKS:

CHARGES $ 12.50

CRISMON & NICHOLS

BY [signature]

Adelmann Bros.
ASSAYERS
622 IDAHO STREET
BOISE, IDAHO
PHONE Boise [illegible] 344-2661

ASSAY CERTIFICATE

10/22 — 1962

M Keith Kendall By A. D. Ferguson
309 N. 3rd St. Cty.

ASSAY SAMPLE No.	OWNER'S MARK ON SAMPLE	GOLD OZ. PER TON	GOLD VALUE PER TON		SILVER OZ. PER TON	SILVER VALUE PER TON		TOTAL VALUE PER TON		PERCENTAGE OF COPPER	PERCENTAGE OF ZINC	PERCENTAGE OF LEAD
(4)	Sample #1 —	-0-	—	xx	0.20	$	.18	$	.18			
(5)	" " #2 —	-0-	—	xx	0.30	$	.27	$	.27			
(6)	" " #3 —	-0-	—	xx	0.20	$	.18	$	.18			
(7)	" " #4 —	-0-	—	xx	0.20	$	.18	$	.18			
(8)	" " #5 —	-0-	—	xx	0.30	$	.27	$	.27			
(9)	" " #6 —	Trace	—	xx	0.20	$	.18	$	.18			
(10)	" " #7 —	Trace	—	xx	0.20	$	.27	$	.27			
(12)	" " #8 —	0.42	$14.70		18.60	$	16.74	$	31.44			

SILVER @ 90¢ Per Tr. Oz.

GOLD @ $35.00 Per Tr. Oz.

A. E. Adelmann
Assayer

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P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

PHONE EM 3-7417 — 229-231 SOUTH WEST TEMPLE STREET — P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH January 24, 1964

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Re-Run	14	0.04	17.95							$ 1.40

FORM 12 A K. P. S.

INSPIRATION CONSOLIDATED COPPER COMPANY

SMELTING DEPARTMENT

ASSAY CERTIFICATE

Inspiration, Arizona

Name King Solomon Mines Inc.
MINE

Class ..... Lot ..... Date July 2 1964

Smelter Lot	Per Ton of 2000 Lbs. Oz. Silver	Oz. Gold	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
1/2 CRUSHED + 1/2 SCREENED ORE #1	22.58	0.160	0.10		90.8	2.3	1.9	0.4	—	
MINE RUN SOUTH VIEW #4	11.08	0.120	0.04		96.0	1.2	1.4	0.4	—	

ILLINOISE, GULCH
IDAHO CITY, IDAHO

L O Snell
Chief Chemist

Vein Sample Single Lump 8 Lbs 5½Ozs 11"x3½"x4"		0.08	8.55							$ 2.80

REMARKS:

2.50 Paid

CRISMON & NICHOLS

BY

P. M. CRISMON, PRES.

EAST VEIN - SILVER

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE EM 3-7417

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH August 17, 1964

J. H. Mc Knight

WE HAVE ASSAYED YOUR three SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Mine Run 7 Ft Vein	1	0.23	20.55							$ 8.05
Argentite Ore 80 Ft. Depth	2	0.42	84.80							$ 14.70
Gouge Imbedded Ore 70 Ft. Depth	3	0.40	9.30							$ 14.00

REMARKS:

CHARGES $ 7.50

CRISMON & NICHOLS

BY [illegible]

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE EM 3-7417

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH January 13, 1964

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Manganese Type Grade 1		1.79	51.40							$ 62.65

REMARKS:

CHARGES $ 2.50

CRISMON & NICHOLS

BY Crismon

Adelmann Bros.
ASSAYERS
622 IDAHO STREET
BOISE, IDAHO
PHONE BOISE 344-1661

ASSAY CERTIFICATE

Individual Cut Samples - 20# Rep

6/11 1962

M O. R. Ferguson
321 Hamilton St. City

ASSAY SAMPLE No.	OWNER'S MARK ON SAMPLE	GOLD OZ. PER TON	GOLD VALUE PER TON	SILVER OZ. PER TON	SILVER VALUE PER TON	TOTAL VALUE PER TON	% PERCENTAGE OF COPPER	ZINC	LEAD
(1)	Samples #1	Trace	— xx	18.00	$9.00	$9.00			
(2)	" " #2	" "	— xx	36.25	$32.62	$32.62			
(3)	" " #3	" "	— xx	38.00	$34.72	$34.72			
(4)	" " #4	" "	— xx	10.20	$9.18	$9.18			
(5)	" " #5	" "	— xx	.42	.37	.37			
(6)	" " #6	" "	— xx	.30	.27	.27			
(7)	" " #7	" "	— xx	.20	.18	.18			

SILVER @ 90¢ Per Tr. Oz.
GOLD @ $35.00 Per Tr. Oz.

A. E. Adelmann Assayer
Per

Adelmann Bros.
ASSAYERS
622 IDAHO STREET
BOISE, IDAHO
PHONE BOISE 344-1661

ASSAY CERTIFICATE

20 # Chan. Samples

5-26 1962

M O. R. Ferguson

ASSAY SAMPLE No.	OWNER'S MARK ON SAMPLE	GOLD OZ. PER TON	GOLD VALUE PER TON	SILVER OZ. PER TON	SILVER VALUE PER TON	TOTAL VALUE PER TON	PERCENTAGE OF COPPER	ZINC	LEAD
(13)	Samples #1	.04	$1.40	0.30	.27	$1.67			

SILVER @ 90¢ Per Tr. Oz.
GOLD @ $35.00 Per Tr. Oz.

A. E. Adelmann

P. M. CRISMON, Pres.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE EM 3-7417

P. O. Box 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH December 16, 1963

J. H. Mc Knight

WE HAVE ASSAYED YOUR two SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Type S Orange		0.60	48.60							$ 21.00
Type S Red		0.67	100.50							$ 23.45

REMARKS:

CRISMON & NICHOLS

BY [signature]

CHARGES $ 5.00 Paid

Telephone 363-3302

Hand Sample Serial 52495-52497

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine King Solomon Mines Inc.
Box 166
Idaho City, Idaho 83631

RESULTS PER TON OF 2000 POUNDS

Oct. 25, 1966

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
Raw Ore	0.430	2.70									
Coarse Product	0.070	0.05									
Slime Product	0.010	0.10									

Remarks

Charges $ 9.00 Paid

W. C. Wanlass

P. O. BOX 1888
65 SOUTH WEST TEMPLE ST.

CERTIFICATE OF ASSAY

BLACK & DEASON

ASSAYERS AND CHEMISTS

TELEPHONE EM 3-2563

Stan Ehinger

SALT LAKE CITY 10, UTAH, May 8, 1963

ASSAY PER TON OF 2000 POUNDS

NAME	NO.	GOLD OUNCES	VALUE GOLD PER TON	SILVER OUNCES	WET LEAD %	COPPER %	INSOLUBLE %	ZINC %	%	IRON %	%
PIT 2	1	0.12		10.0							
DIKE	2	trace		trace							
TERRACE	3	0.01		1.1							
PIT 1	4	trace		0.2							
PIT 3	5	0.01		1.0							
PIT 2	6	0.08		10.0							

CHARGES $ 12.00

Robert Alley

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

PHONE EM 3-7417

229-231 SOUTH WEST TEMPLE STREET

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH October 20, 1964

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
e-cut of Sample Assayed originally Sept. 30 and later re-assayed.		0.94	4.05							$ 32.90

With the wide variation of results between your original sample and the re-cut my only suggestion at this time is that if your firm has the money to hire a firm like Booth Engineers, 333 West 14th South, Salt Lake, or someone like Frank Leonard 6588 Highland Drive, Salt Lake, to make a study of sampling ore of your type and recovery methods on your type of gold.

REMARKS:

CHARGES $ None

CRISMON & NICHOLS

BY

Silver Dale

#8

PHONE EM 3-7417

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

REPORT OF ASSAY

J. H. Mc Knight

BALT LAKE CITY, UTAH November 4, 1963

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
gh Grade Quartzite		1.08	132.90							$ 37.80

REMARKS:

CHARGES $ 2.50

CRISMON & NICHOLS

FORM 107 50M 10-61

INTERNATIONAL SMELTING AND REFINING COMPANY

TOOELE PLANT

J.H. McKnight Crude Hand samples

DATE Nov. 27 19 63

NAME		% Cu	% Pb	OZS. Ag	OZS. Au	% INSOL. SiO_2	% Fe	% S	% CaO	% Zn	% As	% Sb	% Al_2O_3	% Cd
506	3175-1			75.26	.64	94.8	2.4		Tr		.30		1.0	
5507	3175-3M			31.61	.32	96.0	1.9		Tr		.20		.8	
508	3175-2D			42.10	.30	97.0	1.4		Tr		.30		Tr	
509	3175-2Y			20.25	.30	96.6	1.5		Tr		.20		Tr	

CHEMIST

Adelmann Bros.
ASSAYERS
622 IDAHO STREET
BOISE, IDAHO
PHONE BOISE 344-1661

ASSAY CERTIFICATE

100# Cut Samples

6/7 1962

M. O. D. Ferguson
3-11 Hamilton St. City

ASSAY SAMPLE No.	OWNER'S MARK ON SAMPLE	GOLD OZ. PER TON	GOLD VALUE PER TON	SILVER OZ. PER TON	SILVER VALUE PER TON	TOTAL VALUE PER TON	PERCENTAGE OF COPPER	ZINC	LEAD
1	Sample #1	Trace	xx	0.46	.36	.36		Pit	6
2	" " #2	Trace	xx	0.56	.45	.45		Pit	5
3	" " #3	Trace	xx	0.56	.45	.45		Pit	4
4	" " #4	Trace	xx	0.46	.36	.36		Pit	3
5	" " #5	Trace	xx	148.80	115.92	115.92		Pit	2
6	" " #6	Trace	xx	0.66	.54	.54		Pit	1

DUE TO POSSIBLE ERROR IN INVESTIGATION

REFUNDER

SILVER @ 90¢ Per Tr. Oz.
GOLD @ $35.00 Per Tr. Oz.

M. G. Adelmann Assayer
Per C.H.

CO-980
5M 9-60

ASSAY CERTIFICATE

3556

UNITED STATES SMELTING REFINING AND MINING COMPANY

Name King Solomon Mines, Inc.
5303 Irving St., Boise, Idaho

Midvale, Utah, August 25, 1962

LOT NO.	Oz. Gold Per Ton	Oz. Silver Per Ton	Per Cent Copper	Per Cent Lead	Per Cent Silica	Per Cent Iron	Per Cent Zinc	Per Cent Sulphur	Per Cent Lime	Per Cent Antimony	Per Cent Bismuth	Per Cent Arsenic	Per Cent Cadmium	Per Cent ox Pb	Per Cent ox Zn
HS	.85	47.1													

F. J. Moulton
Chief Chemist

Mc Knight
Original

PHONE EM 3-7417

CRISMON & NICHOLS
ASSAYERS AND CHEMISTS
229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH September 18, 1964

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Mine Run West Vein 75 Foot Level		3.84	6.35							$ 134.40

REMARKS:

2.50

CRISMON & NICHOLS

P. M. CRISMON, Pres.

PHONE EM 3-7417

CRISMON & NICHOLS
ASSAYERS AND CHEMISTS
229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH November 7, 1963

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Red Ruby Raw Cross		1.84	161.35							$ 64.40

REMARKS:

CHARGES $ 2.50 Paid

CRISMON & NICHOLS
BY

METALLURGICAL LABORATORIES

CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO 3, CALIFORNIA
UNDERHILL 3-8575

Date October 14, 1963

Submitted by Mr. J. H. McWright
435 East South Temple Street
Salt Lake City, Utah

Sample of Ruby Silver Ore #8

Qualitative Spectrographic Analysis

METALS FOUND AND PERCENTAGE RANGE

LESS THAN 0.01%	.01 TO .10%	.10 TO 1.0%	1.0 TO 10.0%	MAJOR	LAB NO.
Titanium	Silver	Iron		Silicon	9561-2
Manganese	Calcium	Aluminum			
Strontium	Magnesium				
Copper	Sodium				
Zinc	Potassium				
Nickel	Lead				
Cobalt	Arsenic				
Chromium	Antimony				
Vanadium	Zirconium				

REMARKS:

METALLURGICAL LABORATORIES

By [signature]
SPECTROCHEMIST

METALLURGICAL LABORATORIES
CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO 3, CALIFORNIA
UNDERHILL 3-8575

Date October 14, 1963

Submitted by Mr. J. E. McKnight
435 East South Temple Street
Salt Lake City, Utah

Sample of #7 - Gold and Silver Vein Quartz

Qualitative Spectrographic Analysis

METALS FOUND AND PERCENTAGE RANGE

LESS THAN 0.01%	.01 TO .10%	.10 TO 1.0%	1.0 TO 10.0%	MAJOR	LAB NO.
Chromium	Sodium	Iron	Aluminum	Silicon	9551-1
Manganese	Potassium	Silver			
Titanium	Zinc				
Copper	Lead				
Zirconium	Calcium				
Strontium	Magnesium				
Vanadium	Barium				
Nickel	Arsenic				
Cobalt	Antimony				
	Boron				

REMARKS:

METALLURGICAL LABORATORIES

By [signature]
SPECTROCHEMIST

THE EISENHAUER LABORATORIES
316-322 South San Pedro Street
Los Angeles, California 90013

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND

ASSAY CERTIFICATE

PHONE 622-9328

Los Angeles, Calif. June 22/66 19

I hereby Certify that the samples described below, received from

W.A.Anderson assay as follows:

Owner's Mark and Sample	GOLD OZS. PER TON	GOLD VALUE PER TON	SILVER OZS. PER TON	SILVER VALUE PER TON	TOTAL VALUE PER TON	PERCENTAGE OF COPPER	PERCENTAGE OF LEAD	PERCENTAGE OF ZINC
# 1 King Solomon	.23	$ 8.05	7.88	$ 10.17	$ 18.22			
# 2 do do	.04	$ 1.40	.80	$ 1.03	$ 2.43			
# 3 do do	.08	$ 2.80	.55	$ .71	$ 3.51			

— country Rock

CO-980
10M 3-63

ASSAY CERTIFICATE

4226

UNITED STATES SMELTING REFINING AND MINING COMPANY

Name J. H. McKnight

435 E. South Temple, Salt Lake City, Utah Midvale, Utah, November 26, 1963

LOT NO.	Oz. Gold Per Ton	Oz. Silver Per Ton	Per Cent Copper	Per Cent Lead	Per Cent Silica	Per Cent Iron	Per Cent Zinc	Per Cent Sulphur	Per Cent Lime	Per Cent Antimony	Per Cent Bismuth	Per Cent Arsenic	Per Cent Cadmium	Per Cent ox Pb	Per Cent ox Zn
	.14	37.5			Grade D										
	.31	58.9	.03	—	959 HS-1-HB	1.2	—	—	—						
	.14	11.7			HS-2-Y										
	.19	28.4			HS-3-M										

F. M. Marshall
Chief Chemist

AREA CODE 303
TELEPHONE 244-3446

CABLE "DECO" DENVER

DENVER • NEW YORK • SAN FRANCISCO • TORONTO • VANCOUVER • LONDON • MEXICO, D. F. • LIMA • JOHANNESBURG

DENVER EQUIPMENT COMPANY

1400 17th STREET, P. O. BOX 5268 * DENVER 17, COLORADO, U. S. A.

AIRMAIL
November 15, 1966

King Solomon Mines Inc.
908 North 30th Street
Boise, Idaho 83702

Attention: Mr. J. H. McKnight

Re: Order No. UW-97090

Gentlemen:

We have had some discussion concerning the sample of ore which you submitted, and have reported to you over the telephone the assay results. The report from the laboratory has been received, and as a matter of record for you is repeated below:

"Sample Identification

One carton of sample having a gross weight 228-pounds was received on October 19, 1966. Sample receiving No. 4273 was assigned to the shipment for identification purposes.

Sample Preparation

The entire sample as received was crushed to minus 1/2 inch, mixed, fractionally sampled and one eighth of the sample crushed to minus 10-mesh. A head sample for assay and a sample for examination was cut from the minus 10-mesh fraction by repeated passes over a riffle sampler.

Sample Description

The submitted sample represents a siliceous type ore which assayed 0.66 ounces of gold per ton and 2.64 ounces of silver per ton. The concentrate obtained by panning a portion of the minus 10-mesh ore consisted primarily of iron oxides, however a few particles of unidentified sulphide minerals were noted. Numerous particles of free gold as large as about 28-mesh were noted. The gold appeared to be very clean however a few particles showed some surface discoloration due to iron oxides."

23.10 Au.
3.40 Ag.
$26.50 TON

ALL SALES ARE SUBJECT TO AND INCORPORATE THE "GENERAL CONDITIONS OF SALE" ATTACHED.

November 15, 1966

King Solomon Mines Inc.

From this laboratory report it appears that a comprehensive test for the recovery of the gold and silver would be justified, assuming that the sample as submitted represents ore which could be delivered to a mill in sufficient quantity to justify economically the construction and operation of a plant to treat material corresponding to the sample submitted.

From this preliminary assay and examination it seems that the test work should encompass gravity concentration methods such as jigging and tabling, with amalgamation, and possibly also flotation tests to determine what values in sulphide minerals are recoverable.

In any event if a concentration plant were to be considered it would be important to have information resulting from an ore test such as the grindability of the ore, the size to which it must be ground to free the contained minerals and values and various other physical data which would be necessary in the proper selection of equipment to accomplish the intended purpose.

As mentioned in my letter of October 24 the complete batch test work could run as much as $1,250.00, but of course the laboratory work would be limited to the minimum number of tests required to secure required information and what could be considered as satisfactory, or ultimate results based on economic considerations.

We trust that this provides you with the information that you need at this time, and that you will not hesitate to get in touch with us concerning your further plans for this project.

Yours very truly

DENVER EQUIPMENT COMPANY

Elmer J. Garbella

Elmer J. Garbella
Western Sales Division

EJG:ac

Kima Solomon mines
Illinois Gulch.
Tolchi Pits Tolchi

MAGMA COPPER COMPANY
Assay Certificate "A"

Date 7-13-68

No.	LOCATION AND REMARKS	CU %	AG OZ.	AU OZ.	[illegible]	[illegible]	[illegible]
		0.10	20.40	0.25	94.6	1.0	1.7
	Ag = 20.40 x 95% x $1.29 =					$25.00	
	Au = 0.25 x $32.20 =					8.05	
	Gross =					$33.05	
	Smelting = $7.50 + 5% ($3.05) =					7.65	
	Net =					$25.40	

M.G. [illegible]
CHIEF CHEMIST

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH

June 25, 1963

J. H. McKnight
435 East South Temple
Salt Lake City, Utah

Dear Mr. McKnight:

The two mineral specimens you recently left at this Research Center have been examined.

Sample No. 7 is composed of fine-grained quartz. The three areas circled in black contain crystalline gold and the matrix of the quartz contains both argentite and proustite. The yellow-green stain on the specimen is an iron arsenate presumably derived by alteration of a primary arsenic mineral. The gold is completely surrounded by quartz. It is definitely not associated with the silver minerals nor is there any evidence that it was originally associated with any other primary mineral such as pyrite.

Sample No. 8 is a quartzite that has been fractured and then mineralized with quartz carrying the silver minerals, argentite and proustite. No free gold was noted in the specimen. The brown stain on the fracture planes of the specimen is limonite presumably derived by oxidation of pyrite or other primary iron minerals. This specimen seems to contain more proustite than sample No. 7 and considerably less iron arsenate.

We hope the information given in this letter is helpful to you.

Sincerely yours,

C. H. Schack

C. H. Schack, Acting for
B. H. Clemmons
Research Director

F. 15154-B—7-57—50M—7M.
Standard.

THE ANACONDA COMPANY

ANACONDA REDUCTION DEPARTMENT

ASSAY OFFICE

DATE [illegible]

	Date of Sample	Lot	% H_2O	% Zn	% Pb	% Cu	Ozs. per Ton Ag	Ozs. per Ton Au	[illegible]	[illegible]	[illegible]
		24960				.03	2.90	.025	74.0	1.6	
						15					
						[illegible]					
						[illegible]					
						[illegible]					
						[illegible]					
						[illegible]					

27 # Whole Vein Sample

Chief Chemist

COPY
M. E.
RECEIVED
JUL 31 1967
INITIALS CODE

King Solomon Mines, Inc.,

Exhibit 3 (g)

OFFICIAL
COPY
O. M. E.
RECEIVED
JUL 31 1967
INITIALS CODE

Tenor of The Ore

In the oxidized and leached zone, ore samples which were not leached out, were gathered and the attached data developed by mineral identification by the U.S. Bureau of Mines, and on each sample, assays were run, and are keyed to sample numbers as indicated. Some spectrographic analysis tests were made particularly on samples 7 and 8.

It is expected that ore at depth will conform to the tenor herein reported, and that a zone of secondary enrichment will be found below the present workings as we approach the water table which is estimated to be some 100 to 150 feet below the present excavations.

The primary values of all of the ore, seem to be silver, and the rich grade which it is thought will be available at depth is the reason for the drilling program which we are proposing.

These samples were not unusual specimens, but much of this grade seems available in lenses in the present excavation and extreme leaching is apparent, and we are certain that this accounts for spotty ore. Extremely high grade along with low grade.

The suite of minerals identified indicate primary minerals as well as secondary enrichment and alteration in the extremely weathered zone now exposed.

No modern exploration for silver has ever been attempted in this area of Idaho, and the gold mineralization seems to have been at a different period.

XERO COPY XERO COPY XERO COPY XERO COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH

April 24, 1963

Mr. J. H. McKnight
435 East South Temple
Salt Lake City, Utah

Dear Mr. McKnight:

The five samples from the King Solomon mine in Idaho that you recently left at this Research Center were examined by our mineralogist, J. Montoya.

Based on rock classification, samples 1, 2, 4, and 5 are quartzites that differ from one another in the following respects. Samples 1 and 4 are identical. These specimens are composed of quartz associated with a minor amount of sericite mica and stained with limonite.

Sample 2 contains a relatively large amount of sericite, and minor amounts of limonite and a hydrous iron arsenate probably pharmacosiderite. Sample 5 is similar to sample 4 except that it also contains a trace proustite.

Sample 3 is classified as vein quartz containing a variety of silver minerals. These have tentatively been identified as the silver sulfide argentite and the silver sulfarsenates, proustite, and pearceite.

The only possibly important association that was noted is that the silver minerals seem to be related to the arsenic content of the specimens. As no gold was detected in the specimens examined, the relationship of gold to the rock class or mineral association remains unknown.

Sincerely yours,

C. H. Schack

C. H. Schack, Acting for
B. H. Clemmons
Research Director

#6

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH

April 30, 1963

Mr. J. H. McKnight
435 East South Temple
Salt Lake City, Utah

Dear Mr. McKnight:

As requested we have examined the small mineral specimen you left at this Research Center.

Study of panned concentrates that had been leached with acid and then dried failed to disclose the presence of gold. Qualitative chemical tests indicated that only a trace of antimony occurred in this particular specimen.

Proustite and argentite were the only primary minerals found in the specimen. When these minerals were dissolved with acid, there was no residue. This indicates the reported gold content of the specimen is not associated with these silver minerals.

Sincerely yours,

C. H. Schack

C. H. Schack, Acting for
B. H. Clemmons
Research Director

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

PHONE EM 3-7417 — 229-231 SOUTH WEST TEMPLE STREET — P. O. BOX 1708

REPORT OF ASSAY

BALT LAKE CITY, UTAH April 16, 19

J. H. Mc Knight

WE HAVE ASSAYED YOUR five SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	1	2.59	2.40							$ 90.65
	2	0.21	231.60							$ 7.35
	3	2.85	60.55							$ 99.75
	4	0.32	52.80							$ 11.20
	5	0.80	113.70							$ 28.00

REMARKS:

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

PHONE EM 3-7417 — 229-231 SOUTH WEST TEMPLE STREET — P. O. BOX 1708

REPORT OF ASSAY

BALT LAKE CITY, UTAH May 1, 1963

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	6	0.24	108.90							$ 8.40

REMARKS:

CHARGES $ 2.50 Paid

CRISMON & NICHOLS

BY [illegible]

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(5)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH

June 25, 1963

J. H. McKnight
435 East South Temple
Salt Lake City, Utah

Dear Mr. McKnight:

The two mineral specimens you recently left at this Research Center have been examined.

Sample No. 7 is composed of fine-grained quartz. The three areas circled in black contain crystalline gold and the matrix of the quartz contains both argentite and proustite. The yellow-green stain on the specimen is an iron arsenate presumably derived by alteration of a primary arsenic mineral. The gold is completely surrounded by quartz. It is definitely not associated with the silver minerals nor is there any evidence that it was originally associated with any other primary mineral such as pyrite.

Sample No. 8 is a quartzite that has been fractured and then mineralized with quartz carrying the silver minerals, argentite and proustite. No free gold was noted in the specimen. The brown stain on the fracture planes of the specimen is limonite presumably derived by oxidation of pyrite or other primary iron minerals. This specimen seems to contain more proustite than sample No. 7 and considerably less iron arsenate.

We hope the information given in this letter is helpful to you.

Sincerely yours,

C. H. Schack

C. H. Schack, Acting for
B. H. Clemmons
Research Director

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE EM 3-7417 — P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH May 9, 1963

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7	1.14	81.85							$ 39.90

REMARKS:

CHARGES $ 2.50 Paid

CRISMON & NICHOLS

BY [signature]

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE EM 3-7417 — P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH October 2, 1963

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Ruby Silver	8	0.45	113.35							$ 15.75

REMARKS:

CHARGES $ 2.50 Paid

CRISMON & NICHOLS

BY [signature]

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METALLURGICAL LABORATORIES
CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO 3, CALIFORNIA
UNDERHILL 3-8575

Date October 14, 1963

Submitted by Mr. J. E. McKnight
435 East South Temple Street
Salt Lake City, Utah

Sample of #7 - Gold and Silver Vein Quartz

Qualitative Spectrographic Analysis

METALS FOUND AND PERCENTAGE RANGE

LESS THAN 0.01%	.01 TO .10%	.10 TO 1.0%	1.0 TO 10.0%	MAJOR	LAB NO.
Chromium	Sodium	Iron	Aluminum	Silicon	9561-1
Manganese	Potassium	Silver			
Titanium	Zinc				
Copper	Lead				
Zirconium	Calcium				
Strontium	Magnesium				
Vanadium	Barium				
Nickel	Arsenic				
Cobalt	Antimony				
	Boron				

REMARKS:

METALLURGICAL LABORATORIES

By [signature]
SPECTROCHEMIST

METALLURGICAL LABORATORIES

CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO 3, CALIFORNIA
UNDERHILL 3-8575

Date October 14, 1963

Submitted by Mr. J. H. McKnight
435 East South Temple Street
Salt Lake City, Utah

Sample of Ruby Silver Ore #8

Qualitative Spectrographic Analysis

METALS FOUND AND PERCENTAGE RANGE

LESS THAN 0.01%	.01 TO .10%	.10 TO 1.0%	1.0 TO 10.0%	MAJOR	LAB NO.
Titanium	Silver	Iron		Silicon	9561-2
Manganese	Calcium	Aluminum			
Strontium	Magnesium				
Copper	Sodium				
Zinc	Potassium				
Nickel	Lead				
Cobalt	Arsenic				
Chromium	Antimony				
Vanadium	Zirconium				

REMARKS:

METALLURGICAL LABORATORIES

By [signature]
SPECTROCHEMIST

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH 84112

February 18, 1964

#12

Mr. Joseph McKnight
435 East South Temple
Salt Lake City, Utah

Dear Mr. McKnight:

We have completed an examination of the rock speciman you recently left at this Research Center.

The rock is composed chiefly of quartz that contains individual blebs and disseminated crystals of proustite and argentite. Two minute specks of metallic gold were detected, as were a few crystals of partly altered pyrite. The yellow-brown stain on the fracture planes in the rock is limonite.

Sincerely yours,

C. H. Schack

C. H. Schack, Acting for
B. H. Clemmons
Research Director

REPORT OF ASSAY

SALT LAKE CITY, UTAH November 7, 1963

J. H. Mc Knight

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
Red Ruby Raw Cross		1.84	161.35							$ 64.40

REMARKS:

CHARGES $ 2.50 Paid

CRISMON & NICHOLS
BY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
~~XXXXXXXX~~

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH 84112

October 29, 1964

Mr. J. H. McKnight
c/o General Delivery
Idaho City, Idaho 83631

Dear Mr. McKnight:

Our mineralogist has completed an examination of the three samples you submitted with your letter of October 10, 1964.

Samples A and B are quartz that contains blebs and specks of black manganese oxide. Sample C also is composed chiefly of quartz. The dark colored specks in this sample are pyrargyrite. A minute speck of metallic gold also was noted in this specimen. Pyrargyrite, which has a semi-metallic luster and red streak, is readily distinguished from manganese oxide which has an earth appearance and a black streak.

Sincerely yours,

C. H. Schack

C. H. Schack
Assistant Research Director

XERO COPY XERO COPY XERO COPY XERO COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
~~REGIONXXX~~

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH 84112

June 29, 1964

Mr. Joe McKnight
309 North 3rd Street
Boise, Idaho

Dear Mr. McKnight:

We have examined the two rock specimens that were recently delivered to us by your messenger.

The samples are virtually identical, being composed of quartz coated with films and containing individual blebs of a mixture of limonite, sericite, hematite, and jarosite. Examination of these specimens with a binocular microscope failed to disclose the presence of gold. However, as I have previously mentioned to you, fire assaying is the only reliable method for determining whether or not gold occurs in a specific sample.

Sincerely yours,

C. H. Schack

C. H. Schack, Acting for
B. H. Clemmons
Research Director

XERO COPY XERO COPY XERO COPY XERO COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

SALT LAKE CITY
METALLURGY RESEARCH CENTER

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY 12, UTAH

July 23, 1963

Mr. J. H. McKnight
435 East South Temple
Salt Lake City, Utah

Dear Mr. McKnight:

Our mineralogist has examined the two mineral specimens you recently left at this Research Center and has reported the following findings:

The metallic blebs on one of the rock fragments are composed of silver. Chemical tests showed the metal was soluble in dilute nitric acid. A typical white precipitate of silver chloride was formed when chloride ions were added to the nitric acid solution. A spectroscopic test confirmed the chemical tests.

The film of blue material formed on the other specimen by treatment with nitric acid and heat could not be positively identified. As revealed by spectroscopic analysis, the film is composed of aluminum, magnesium, and potassium. Examination with a petrographic microscope indicated that the film is associated with sericite mica.

Sincerely yours,

C. H. Schack

C. H. Schack, Acting for
B. H. Clemmons
Research Director

OFFICIAL
COPY
O. M. E.
INITIALS

Drilling Specifications

Triplicate Bids are to be submitted:

Item 1 - total of 4 drill complexes, 3000 to 4000 ft of core drilling at two holes per complex - 1 at 30 degrees and 1 at 60 degrees. Complete with hole survey. Max. depth 800 ft., minimum 200 ft. average 400 ft. approximate.

Item 2 - Covered items of work:

1. Mobilization of equipment.
2. Set up per complex.
3. Drilling & Casing unconsolitated overburden (est. 20 ft)
4. Reaming & Casing (estimate requirements)
5. Core drilling, (Bid on both sizes) NXWL & BXWL
6. Cementing (Estimate requirements & total time)
7. Delays & Drill Surveys.
8. Moving from hole to hole & water inst. and recovery.
9. Cardboard core boxes.
10. Availability Date
11. Estimated feet per 8 hour day.
12. Number of shifts proposed to work per day.
13. Days per week proposed to work.
14. Supervision prpposed.
15. Estimated core recovery.

Item 3 - Note any other items of work which may become involved in the job, and for which payment will be required.

4

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

1415 Riverside P.O. Box 4307
SPOKANE, WASHINGTON 99202
Phone (509) KE 4-0862

General Offices and Plant
1624 Pioneer Road P. O. Box 58
SALT LAKE CITY, UTAH 84110
Phone 487-7595

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
SANTIAGO, CHILE
LIMA, PERU

July 7, 1967

Mr. J. H. McKnight-President
King Solomon Mines, Inc.
1370 Hill Road
Boise, Idaho 83702

Dear Sir:

The following items are quoted as our estimate for drilling on your property in the vicinity of Idaho City, Idaho as per your letter dated June 7, 1967 and our telephone conversation today. The terms will be confirmed or adjusted to agree with actual conditions at the time the work is to be done.

ITEMS

1. Mobilization and demobilization including set up on first hole: $750.00 per drill.

2. Drilling and casing unconsolidated overburden: $12.90 per foot.

3.

Diamond Core Drilling:	NXWL	BXWL
0.0 to 250 feet	$8.70 per foot	$7.90 per foot
250 to 500 feet	9.80 per foot	8.70 per foot

4. Reaming and casing per foot: $4.90

5. Cementing, waiting for cement to set during a regular drill shift and drilling out cement: $16.25 per hour plus cost of cement, cement substitutes or drill mud and additives.

6. Delays for your convenience, drill hole surveys, etc.: $11.50 per hour.

7. Moving from hole to hole, tearing down, setting up, installation and recovery of water supply systems: $11.50 per hour.

8. Cardboard core boxes: $1.00 each f.o.b. Salt Lake City, Utah.

9. Casing left in holes at your request: List price f.o.b. the job site.

10. Adequate roads will be furnished and maintained to level drill sites at no cost to Boyles Bros. Drilling Co..

11. Boyles Bros. will funish drills of adequate capacity and suitable design with all accessories, fittings and supplies within 30 days after notice to proceed. The drills will be operated two 8 hour shifts 6 days per week under the direct supervision of a foreman driller and area superintendent.

Very truly yours,
Boyles Bros. Drilling Co.

E. G. Tucker

E. G. Tucker - District Manager

ROBERT P. JONES DRILLING CO.

3512 N. 36th St.

BOISE, IDAHO

King Solomon Mines Inc.
Mr. Joe McKnight
1370 Hillroad
Boise, Idaho

Thank you for the opportunity to give a quotation on the drilling program on your property near Idaho City, Idaho.

Following is our proposal on the drilling program as outlined by you.

1. Mobilization of equipment - Moving all equipment on and off site $500 per drill.

2. Setup at each drill site and moving from site to site. We would propose to do this on a hourly basis of $10.00 per hour and not to exceed $200.00 per setup.

3. Drilling and Casing unconsolidated overburden.... $12.00 per ft.

4. Reaming and Setting Casing ..... $ 3.50 per ft.

5. Core Drilling

Depth	Cost per Foot NXWL	Cost per Foot BXWL
0 - 500	8.20	7.20
500 - 1000	9.20	8.20

6. Cementing
$15.00 per hour plus cost of cement and additives

7. Standby time at request of owner for hole surveys, acid tests, recovering lost circulation ..... $12.00 per hr.

8. Plug Drilling no core Nx hole..... 4.50 per ft.

9. Cardboard core boxes @ $1.00 each

10. We can have a drill available and on site within ten days of notice to proceed.

11. We would propose to work one 8 hour shift for either 5 or 6 days per week. We could double shift if deemed necessary.

The owner to furnish access to the drill sites and provide right of entry to the drill sites. The owner would also be expected to provide the technical personnel to direct the drilling.

We will furnish the following:

1. One skid mounted wire line diamond drill in good condition and all necessary equipment. The drill to have a capacity for 1500 feet.

2. Experienced wire line drillers and helpers

3. Certificates of Workman's Compensation and Liability Insurance in form and amount satisfactory to owner.

4. Every effort will be made to secure the maximum core recovery possible.

Thank You.

Sincerely,

Robert P. Jones

Robert P. Jones

July 20, 1967

To King Solomon Mines, Inc.
P. O. Box 166
Idaho City, Idaho

Field survey of drill hole sites, drill trail and tie in with Section corner markers. Estimated $200.00.

Respectfully submitted,

Gilbert Powell

Gilbert Powell

King Solomon Mines

Incorporated

P. O. BOX 166

Idaho City, Idaho [illegible]

PHONE [illegible] [illegible]

[illegible] 1[illegible]

[illegible]
South [illegible] Ward [illegible],
Spokane, [illegible]

Gentlemen

[illegible] (a) of [illegible] etc.,
in [illegible] with our applic[illegible] contract
on the King Solomon Mine.

On the [illegible] water, [illegible] Holt, [illegible] equipment
at [illegible] time, but quoted $22.[illegible] he has
[illegible] available when [illegible]

The Bid Request to McCabe Brothers has not been responded
to and we will forward all other [illegible] we receive.

Sincerely,

[illegible], Inc.,

J. H. McKnight

J. H. [illegible], President.

Nichols UNIVERSAL Drilling Co.

Post Office Box 667
Osburn, Idaho 83849
Phone 753-5281
David M. Mason, Mgr.

July 24, 1967

King Solomon Mines, Inc.
1370 Hill Road
Boise, Idaho 83702

Attn: Mr. J. H. McKnight

Gentlemen:

It is regretted that we will have to decline bidding on your proposal for King Solomon Mines, due to the lack of available equipment and men.

We wish to thank you for your consideration and for giving us a chance to bid on this project.

Yours very truly,

David M. Mason

David M. Mason, Manager
NICHOLS UNIVERSAL DRILLING COMPANY

RECEIVED
JUL 28 1967

King Solomon Mines

Incorporated

P. O. BOX 166
Idaho City, Idaho 83631
PHONE 344-7545 BOISE, IDAHO

July 14, 1967

PLEASE REPLY TO:
1370 Hill Road,
Boise, Idaho.

McCabe Brothers,
P.O. Box 594,
Idaho Fall, Idaho.

Gentlemen:

We are applying for an OME development loan, and require bids on core drilling our property near Idaho City, Idaho.

The country rock is rotted, decomposed granite on the surface with weathered granite for the first 50 feet of depth.

Water is about 600 feet away, down a 30 degree slope some 300 feet lower in elevation to where the drill sites will be located.

Good dirt roads into the area are in existence, and we have heavy equipment available to prepare and level the drill sites, construct drill trail etc., Route 21, the state highway is about 1 to 1½ miles from the site, and Idaho City is 4½ miles south of the site.

We need the bids as soon as possible as on site inspection has taken place, and we would like to get a program started.

In the event you can not bid, we would appreciate a letter stating that you are declining to bid.

Sincerely,

J. H. McKnight, President.

July 22, 1967

King Solomon Mines, Inc.
P. O. Box 166
Idaho City, Idaho

Estimated 40 hours of D 8 cat work in preparing and leveling drill sites, drill trail and lab set up areas. $20.00 per hour with operator and $100.00 for move and mobilation fee. Total $900.00.

Respectfully submitted,

Gilbert Powell

Gilbert Powell

W. J. COLLINS,
6409 Arlington Dr.,
Boise, Ida.

July 26, 1967

King Solomon Mines, Inc.,
1370 Hill Road,
Boise, Idaho.

Attn. J. H. McNight.

In response to your request for a bid on cat work, to construct about ½ mile of drill trail and 3 drill site locations, which is estimated to require approximately 40 hours of D8 cat work, I bid as follows:

> 40 hours including operator, fuel and maintenance and cat, at $30.00 per hour which will include moving costs to and from Idaho City, Idaho.

Sincerely yours,

W. J. Collins.

W. J. Collins.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
9/18	Peterson	120
		120
	(on leave)	110
		220
9/19	Kulsgaard	
		110
		220

SEP 2 0 1967

AIRMAIL

King Solomon Mines, Inc.
2909 Kootenai Street
Boise, Idaho 83705

Re: OME-6643 (Silver)
King Solomon Mines, Inc.
King Solomon Vein
Boise County, Idaho

Gentlemen:

Careful study of your application for financial assistance to explore the subject property and of other information available to us indicates that the probability of disclosing significant ore reserves on the property is not sufficiently promising to justify Government participation in the proposed exploration. Accordingly, we regret to inform you that your application for assistance is denied.

We wish to thank you for your interest in the minerals exploration program and for bringing your property to our attention.

Sincerely yours,

FRANK E. JOHNSON

Chief, Office of Minerals
Exploration

cc: Director's Reading File
Division File
Econ. Geol. File
OME Docket
OME Reading File
OME Region I
Mr. Peterson
130

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
9/18	Peterson	120
"	Kiehm	120
	(on leave)	110
9/19	Kilgore	220
		110
		220

September 18, 1967

original

Memorandum

To: The File

From: E. C. Peterson, Office of Minerals Exploration

Subject: OME-6643 (Silver)
King Solomon Mines, Inc.
King Solomon Vein
Boise County, Idaho

Justification for Denial of Application

The report of the field examination of the property indicates that there is little possibility of discovering any significant silver ore reserves by the proposed exploration. Assay results of samples taken by the OME field examiner of the most favorable appearing vein material exposed in surface trenches indicated extremely weak mineralization, and there is no geologic evidence to expect higher values at depth.

Although assay data submitted by the Applicant indicated high silver values, it appears that the samples were carefully selected and a few may have been from mill concentrates.

I concur with the field examiner and recommend that the application for assistance be denied.

Edwin C. Peterson

E. C. Peterson

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Mr. Peterson

ECPeterson/bsl/ 9/18/67

23263

Ome

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane, Washington 99204
September 12, 1967

OFFICIAL
COPY
O. M. E.
RECEIVED
SEP 14 1967
CODE
120
120 M
110
120 P

Memorandum

To: Chief, Office of Minerals Exploration

From: Frank C. Armstrong, Geologist

Subject: On-site Examination Report
OME-6643 (Silver)
King Solomon Mines, Inc.
King Solomon Vein
Boise County, Idaho

INTRODUCTION

Part of the morning of June 13, 1967, and from 12:30 p.m. to 6:30 p.m. of August 14, 1967, were spent with Mr. Joseph H. McKnight, President, King Solomon Mines, Inc., at the property of King Solomon Mines discussing and examining the King Solomon vein. Mr. Joseph Shanahan, an employee of Mr. McKnight's, accompanied us on August 14. On August 14 with the help of Mr. McKnight a Brunton and tape map was made of the trenches cutting the King Solomon vein, and the vein was sampled (see enclosed print). Mr. Stranahan thoroughly cleaned the west wall of Cut No. 2 so that the vein could be sampled.

GEOLOGY

The King Solomon vein is near the center of the N½ sec. 17, T. 6 N., R. 6 E., Boise County, Idaho, at an altitude of about 4,700 feet. It is in the Gambrinus Mining District and crops out about one-half mile south and a little east of the Chickahominy vein shown on Lindgren's (1898) plate 96. It strikes about N. 82° W. and dips about 50° S., about parallel to the Chickahominy and Blaine veins (Lindgren, 1898, pl. 96).

The Gambrinus Mining District is an area of lode gold deposits within the Idaho City Mining District of the Boise Basin. Most of the Boise Basin gold production came from placer deposits (Lindgren, 1898; Ballard, 1924; Anderson, 1947). A production of $610,000 in gold from the Gambrinus Mining District can be documented (Anderson, 1947), and total lode production from this district is estimated to be between $750,000 and $1,000,000 in gold. Judging from the fineness of the gold (Lindgren, 1898, p. 696; Ballard, 1924), 680

to 910, some silver must have been recovered with the gold, but I have not been able to find any record of silver production from the Cambrinus District.

The applicant states that the King Solomon vein is a new discovery and that its principal value is in silver. There has been no production from the King Solomon vein.

Like the other veins in the district, the King Solomon vein is a shear zone that cuts deeply weathered, locally porphyritic quartz monzonite of the Idaho batholith. Weathering has largely destroyed the ferromagnesian minerals and where these were abundant the weathered rock is now much stained with iron oxides and hydroxides. Gouge occurs within the shear zone and some of the wall rock is bleached (kaolinized?) and locally silicified. Dense, chalcedonic quartz occurs in the shear as fragments, stringers, veins and lenses. Some of this quartz is grayed, presumably owing to the presence of very fine-grained sulfide minerals.

In the Grambrinus District quartz-bearing ore shoots occur within the shear zones. Mostly they are from 40 to 100 feet long and from 1 to a few feet wide; one shoot 400 feet long was found in the Illinois vein (Lindgren, 1898, p. 684-689; Anderson, 1947, p. 187-188). Most of the veins have not been explored over a great vertical extent. One, the Washington, has been explored to a depth of 400 feet, and an ore shoot was mined from the 200-foot level to surface. These statements apply to ore shoots in the gold veins. As none of the veins were mined for silver nothing is known about the characteristics of silver ore shoots within the district.

In the district there is little evidence of widespread oxidation and enrichment (Anderson, 1947, p. 244). The presence of sulfides and sulfosalts in the King Solomon vein at or near surface as reported by the applicant (3, e) and as recorded by Lindgren (1898, p. 684-689) and Anderson (1947, p. 224) for other veins, confirms the probable absence of extensive leaching of the veins, even the silver veins. High silver assays of selected specimens and sulfide concentrates collected from the King Solomon vein near the surface, as reported by the applicant in Exhibit 3, are evidence of the lack of leaching. Because of these facts, it is doubtful that the King Solomon vein will show a significant increase in silver content with depth.

EXAMINATION

Mr. McKnight accompanied me during the examination of the property, pointed out items of significance, and helped me by holding the tape in the Brunton and tape surveying required to make the enclosed print.

In Cut No. 4 Mr. McKnight pointed out the vein in the bottom of the trench. A vein was not clearly evident in the walls of the trench. The bottom of the trench was dirty It cleaned off a narrow strip of the interval indicated as vein and exposed altered, sheared(?), porphyritic quartz monzonite that contained some dense chalcedonic quartz. At my request Mr. McKnight took a chip sample of the cleaned vein interval that we both agreed was a fair sample of the vein. The sample assayed as follows:

Sample No.	Length feet	Au oz/ton	Ag oz/ton
909-B	6	Tr	0.1

Next we went to Cut No. 3. Mr. McKnight pointed out an aplite dike in the west wall and indicated it had a northerly trend. I was not able to check this. He showed me a zone in the west wall which he said had yielded good silver assays. It is a narrow zone of altered iron-stained quartz monzonite that contains fragments of dense chalcedonic quartz. At my request he chip-sampled it, Sample No. 910-B. A little farther north I mapped a narrow shear zone exposed in both walls of the trench and took a chip sample of the sheared, moderately iron-stained rock from the west wall, Sample No. 911-B. The results of the samples are:

Sample No.	Length feet	Au oz/ton	Ag oz/ton
910-B	$3\frac{1}{2}$	Tr	0.1
911-B	4	Tr	0.1

We skipped Cut No. 2 and went to Cut No. 1-W. Near the middle of Cut No. 1-W is a small shear zone in weathered, moderately iron-stained quartz monzonite. North of the shear zone the west wall of the cut was badly caved, but the east wall was well exposed. No vein material was seen in either wall of the cut; no area to be sampled was pointed out; and by mutual agreement a chip sample was not taken.

Near "X" on the enclosed print Mr. McKnight picked out of the caved material from the west wall a small piece of dense chalcedonic quartz which he referred to as "good vein quartz." This was sent for assay as Sample No. 912-B:

Sample No.	Au oz/ton	Ag oz/ton
912-B	Tr	Tr

According to Mr. McKnight, he and the Duval Corp., Tucson, Arizona, at different times, each took a 5-pound sample across 20 feet from the northern part of the west wall of Cut No. 1-W. He said both samples assayed low in silver (0.05(?) oz./ton).

We next went to Cut No. 2 which contains the best vein showings on the property and from which the applicant has reported many high silver assays. Mr. Shanahan had exposed the vein in both walls. The vein is widest, contains the most quartz, and looks best in the west wall. It occurs in a shear zone in quartz monzonite. Gouge occurs along the hanging wall and the hanging wall is well defined. Kaolinized(?) and silicified quartz monzonite occurs along the footwall and the footwall is not well defined. What appears to be a kaolinized zone extends into both walls of the vein. The vein consists of gouge seams and layers, various sized fragments of wall rock showing different degrees of kaolinization(?), and fragments, stringers, lenses, and veins of dense, chalcedonic quartz. Much of the quartz is light gray and some of it is light dark gray. The vein is stained tan, brown, yellow, and several shades and combinations of these colors to produce an overall light-colored stain. The vein strikes N. 82° W., dips 50° S., and in the west wall of the cut is about 12 feet thick.

Mr. McKnight selected several pieces of quartz which he said were high grade. I gave him a sample sack and asked him to select the very best looking material he could find so that it could be assayed and serve as an example of high-grade vein material (Sample No. 913-B). He about filled the sack with vein material (estimated to weigh about 5 pounds) from the west wall of the cut. Most of this material came from 2 to 8 feet below the hanging wall of the vein. Then, I took four chip samples (914-B - 917-B) from the west wall of the cut starting at the hanging wall and extending into the kaolinized(?), silicified footwall (Sample No. 917-B) of the vein. Results of the samples are:

Sample No.	Length feet	Au oz/ton	Ag oz/ton
913-B	Selected	0.06	6.3
914-B	4	0.02	0.1
915-B	4	0.11	1.5
916-B	4	Tr	0.2
917-B	5	Tr	0.2

RESULTS OF EXAMINATION

Because of changes in strike and/or dip, the shear zones and veins exposed in Cuts No. 1-W - No. 4 could easily be parts of the same structure. The vein in Cut No. 4 may be an exception to this statement. If they are parts of the same structure, very little mineralized vein material has been found over the partly explored length of 700+ feet.

The assay results of nine samples taken from the best exposures on the property did not confirm any of the high assays submitted by the applicant. Most of the high assays submitted by the applicant were obtained from selected samples, a few were concentrates. Very little is known about how these samples were collected and just where (other than Cut No. 2) they came from. However, chip samples taken in Cut No. 2 did confirm the low assays shown on the applicant's assay map of the west wall of Cut No. 2 (see Exhibit 3f).

APPLICANT'S GEOCHEMICAL EXPLORATION

Because of the applicant's unusual method of showing the results of geochemical exploration (Exhibit 3(d) 1 and 2), I questioned Mr. McKnight about it with the following result.

Soil samples were taken (no depth stated) at regular(?) intervals in a grid system.

Arsenic was analyzed for by using the Marsh test. This test is familiar to those who have taken blow-pipe analysis and is the closed tube test that yields an "arsenic mirror." This is not a quantitative test for arsenic. On Exhibit 3(d) 2 semiquantitative presentation has been attempted by indicating how good an "arsenic mirror" was obtained. The standard U. S Geological Survey geochemical test for arsenic (Almond, 1953) is a quantitative test, as are most modern geochemical tests.

I do not recall that I asked about the method used for determining silver.

RECOMMENDATIONS

It is recommended that the application be denied. If additional work at the property exposes vein material of sufficient size, continuity, and silver content that suggests a significant discovery might be made, then an application on the King Solomon vein might be recommended.

If a contract is granted now or later, it is recommended that geochemical exploration be supported only if it is done in a modern quantitative and thoroughly systemmatic manner.

Enclosures (1 only)
Distribution:
CME
USGS(SRO)
Docket
J. Olson
Armstrong
MacLaren

REFERENCES CITED

Almond, Hy, 1953, Field method for determination of traces of arsenic in soils: Analytical Chemistry, v. 25, no. 11, p. 1766-1767.

Anderson, Alfred L., 1947, Geology and ore deposits of Boise Basin, Idaho: U. S. Geol. Survey Bull. 944-C, p. 119-319.

Ballard, Samuel M., 1924, Geology and gold resources of Boise Basin, Boise County, Idaho: Idaho Bur. Mines and Geology Bull. no. 9, 103 p.

Lindgren, Waldemar, 1898, The mining districts of the Idaho Basin and the Boise Ridge, Idaho: Eighteenth Ann. Rpt. U. S. Geol. Survey, pt. 3, p. 617-744.

July 31, 1967

King Solomon Mines, Inc.
2909 Kootenai Street
Boise, Idaho 83705

Subject: OME-6643

Gentlemen:

Your application for exploration assistance, dated July 22, 1967, submitted to our office at Spokane, Washington, has been assigned Docket No. OME-6643.

Please identify all future correspondence relating to your application by this docket number.

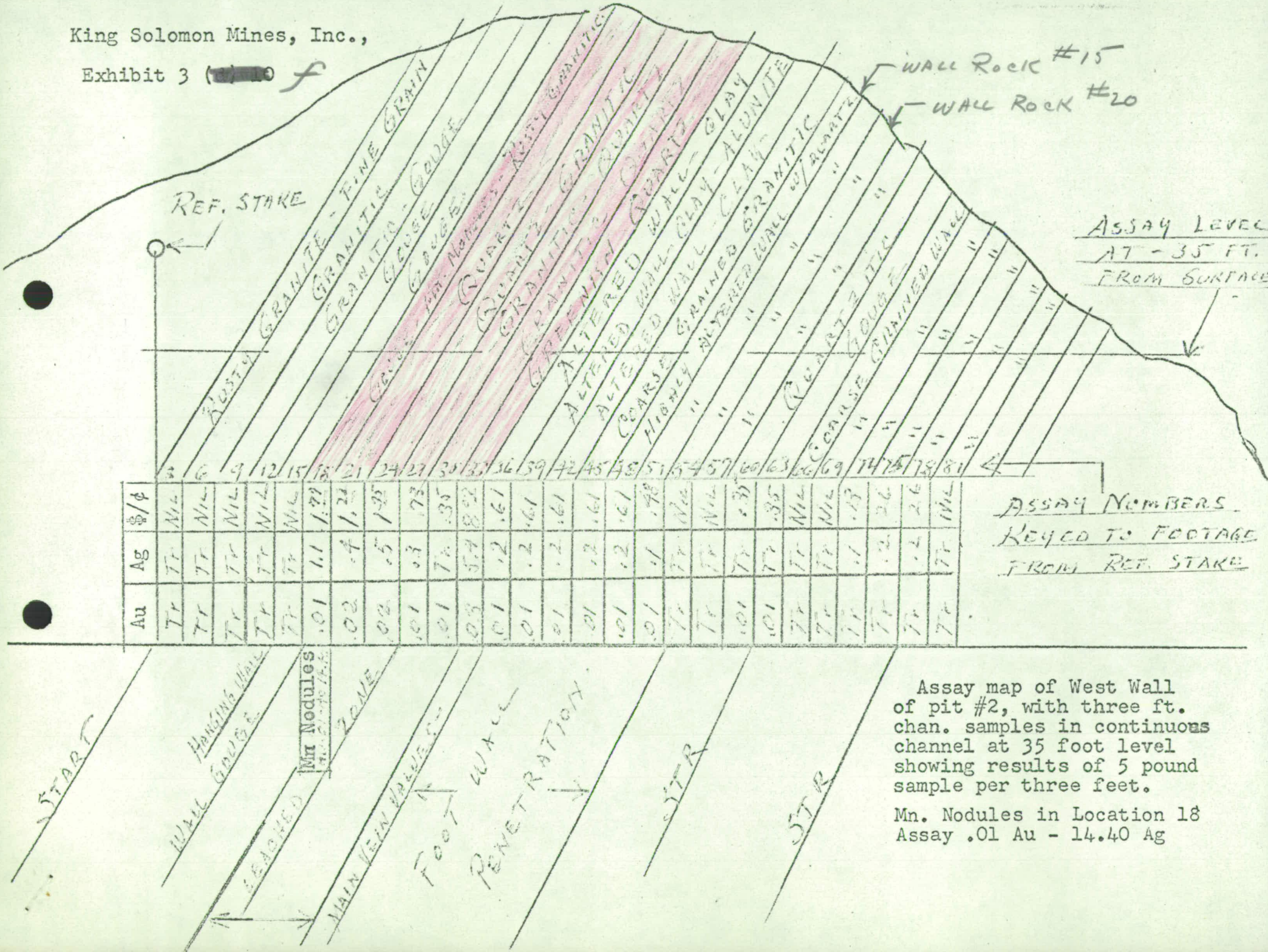
Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region I

King Solomon Mines, Inc.,

Exhibit 3 ([redacted]) f



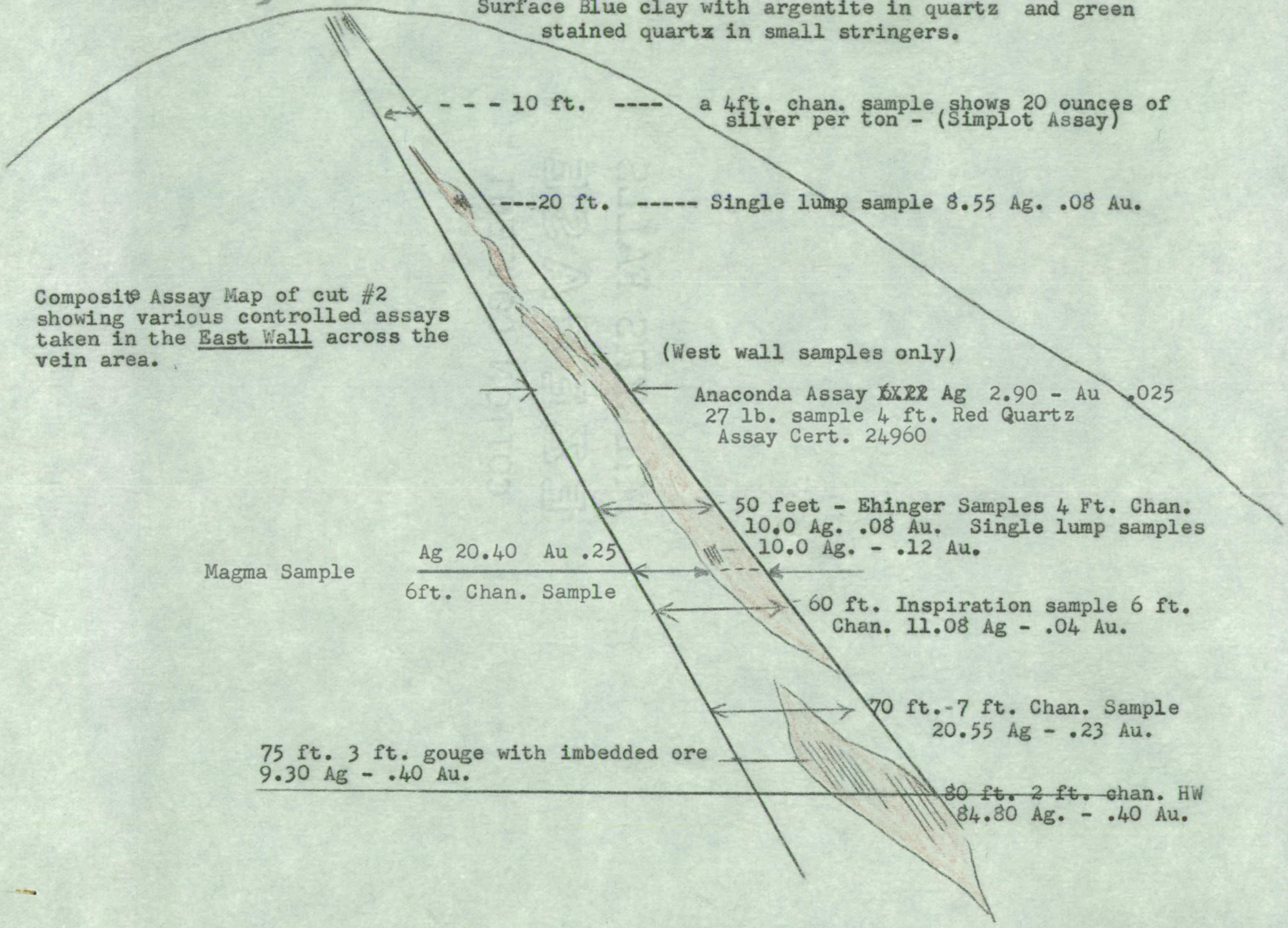
	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	74	75	78	81
$/¢	Nil	Nil	Nil	Nil	Nil	1.77	1.24	1.95	.73	.35	8.02	.61	.61	.61	.61	.61	.48	Nil	Nil	.30	.35	Nil	Nil	.13	.26	.26	Nil
Ag	Tr	Tr	Tr	Tr	Tr	1.1	.4	.5	.3	Tr	54	.2	.2	.2	.2	.2	.1	Tr	Tr	Tr	Tr	Tr	Tr	.1	.2	.1	Tr
Au	Tr	Tr	Tr	Tr	Tr	.01	.02	.02	.01	.01	.03	.01	.01	.01	.01	.01	.01	Tr	Tr	.01	.01	Tr	Tr	Tr	Tr	Tr	Tr

Assay map of West Wall of pit #2, with three ft. chan. samples in continuous channel at 35 foot level showing results of 5 pound sample per three feet.

Mn. Nodules in Location 18
Assay .01 Au - 14.40 Ag

King Solomon Mines, Inc.,

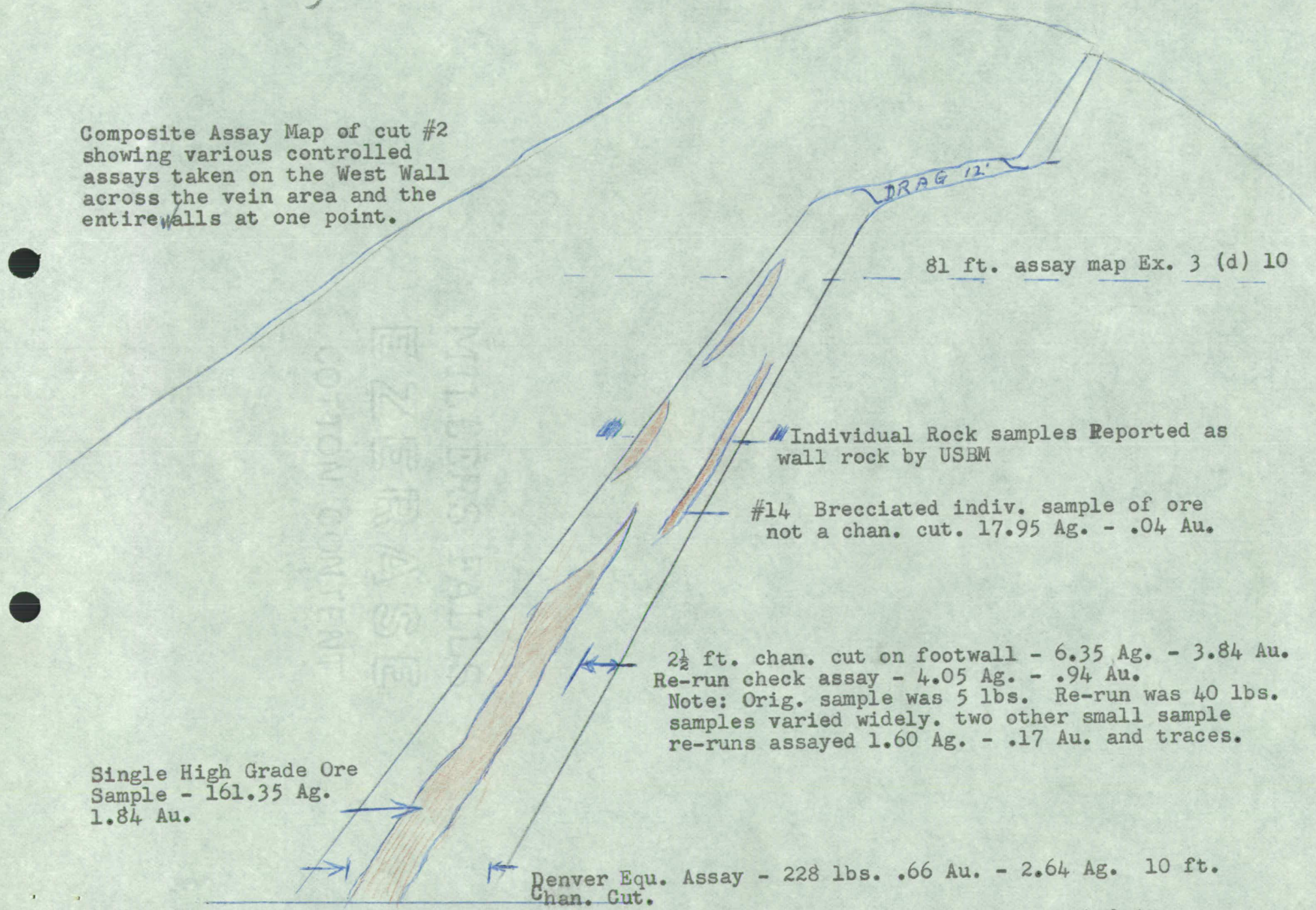
Exhibit 3 [redacted] f

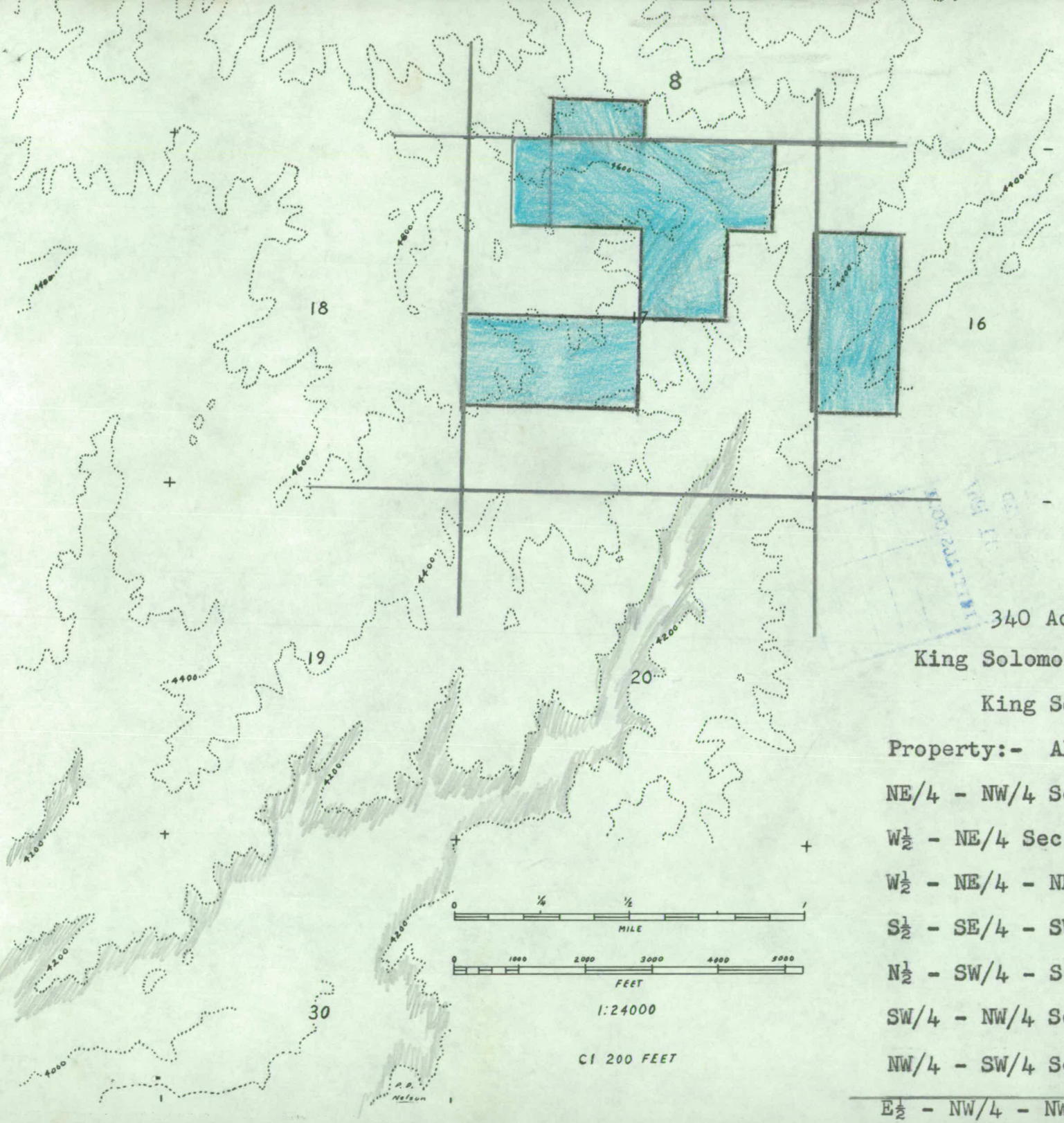


King Solomon Mines, Inc.,

Exhibit 3 [redacted] f

Composite Assay Map of cut #2 showing various controlled assays taken on the West Wall across the vein area and the entire walls at one point.





340 Acres

King Solomon Mines, Inc.,

King Solomon Vein

Property:- All in T6N -R6E,

NE/4 - NW/4 Sec. 17,

W½ - NE/4 Sec. 17,

W½ - NE/4 - NE/4 Sec. 17,

S½ - SE/4 - SW/4 Sec. ### 8,

N½ - SW/4 - Sec. 17,

SW/4 - NW/4 Sec. ## 16,

NW/4 - SW/4 Sec. ### 16.

E½ - NW/4 - NW/4 Sec. 17

Boise Meridian

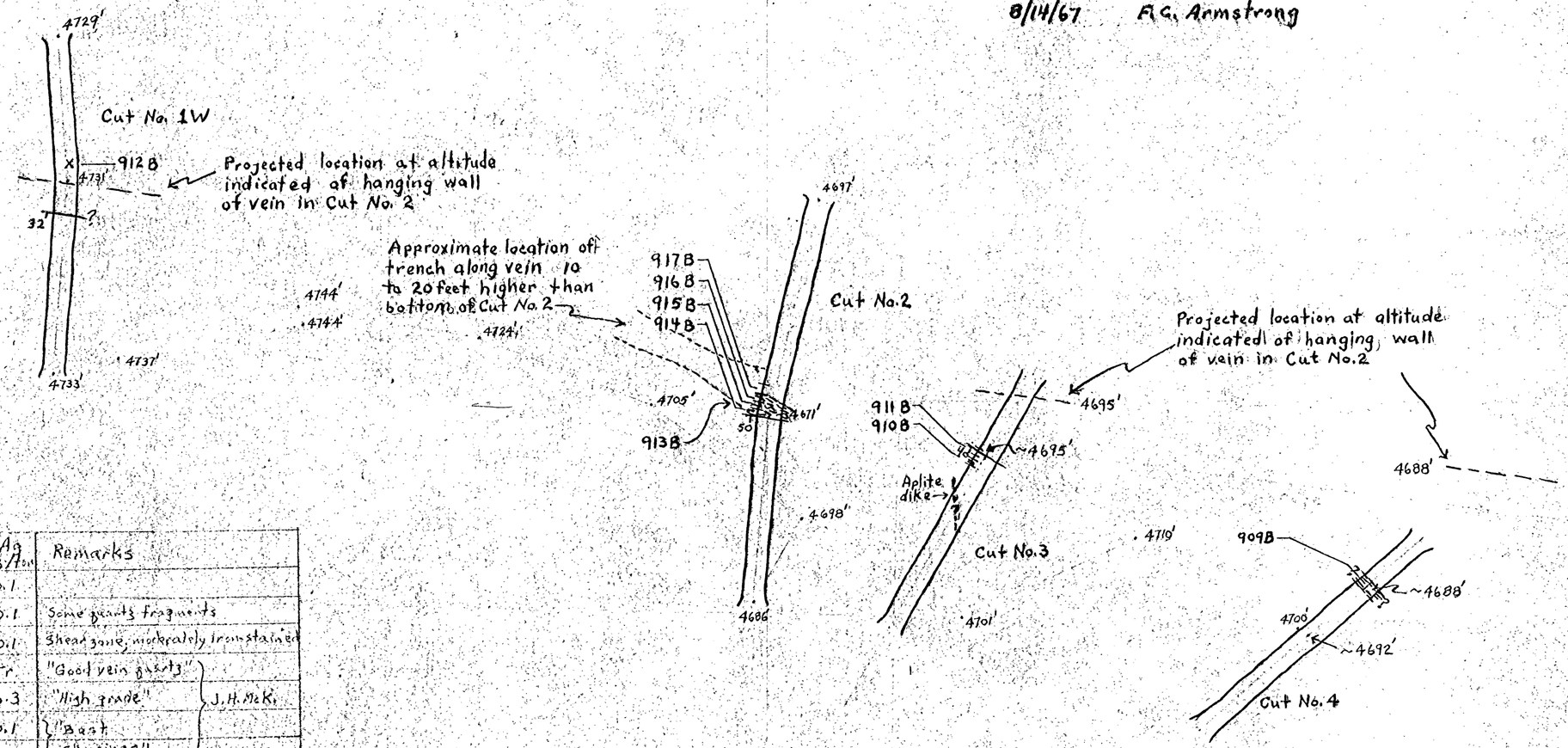
Ex. 2(B) 1

OFFICIAL
COPY
O. M. E.
RECEIVED
JUL 31 1967
INITIALS/CODE

U.S. Department of the Interior

DME 6643

King Solomon Mines, Inc.
King Solomon Vein
Boise County, Idaho
Scale: 1" = 50'
Datum assumed
8/14/67 F.C. Armstrong



Sample No.	Taken by	Type	Length	Au oz/ton	Ag oz/ton	Remarks
909B	J.H.McK.	Chip	6 ft.	Tr	0.1	
910B	J.H.McK.	"	3½ ft.	Tr	0.1	Some quartz fragments
911B	F.C.A.	"	4 ft.	Tr	0.1	Shear zone, moderately iron stained
912B	J.H.McK.	Selected	—	Tr	Tr	"Good vein quartz" } J.H.McK.
913B	J.H.McK.	"	—	0.06	6.3	"High grade" } J.H.McK.
914B	F.C.A.	Chip	4 ft.	0.02	0.1	"Best showings" } J.H.McK.
915B	F.C.A.	"	4 ft.	0.11	1.5	"Best showings" } J.H.McK.
916B	F.C.A.	"	4 ft.	Tr	0.2	
917B	F.C.A.	"	5 ft.	Tr	0.2	Altered wall rock

J.H.McK. = Joseph H. McKnight
F.C.A. = Frank C. Armstrong

4 Prints