MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. _____ Docket No. 6842

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- [ ] Withdrawn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) 4/28/71
- [ ] 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

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:		DATE	INITIALS
1.	Chief, OME		
2.	Re: New application Cu, Au, Ag Brass Ledge Mines, Inc.		
3.	Brass Ledge Mine Josephine County, Oregon		
4.			
5.	Willard P. Puffett		WPP
FROM:	Field Officer, Region I	3/26/71	

FOR: Check items for action desired

X	Action	____	Reply for signature of ____		
____	Approval	____	Investigate	____	Surname
____	Comment	____	Recommendations	____	Signature
____	Conference	____	Rewrite	____	File
____	Instructions	X	Your information		

REMARKS: Attached is new application. Nearly all the necessary elements are included except for map showing location of proposed drilling. I hope that you can refer this for field examination soon as I plan to be in Oregon in about two weeks to examine the C. F. Taylor Maury Mtn. application. The enclosed application has some good supporting information and could have some merit for exploration with OME funds.

There is only one copy of the two maps with Frizzell's report-Perhaps I can get copies from applicant.

MME Form 40
(Revised Nov. 68)

Budget Bureau No. 42-R1368
Approval expires Dec. 1971

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY O.M.E. RECEIVED MAR 29 1971 MINERALS CODE

RECEIVED MAR 26 1971

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.)*

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6842

DATE RECEIVED 3-29-71

REGION I

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [ ]
- CORPORATION [X]
- PARTNERSHIP [ ]
- OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED Oregon

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Carl Olson	Seattle Realty, Seattle, Washington	
Dr. D.N.Cline	524 N.E.6th St. Grants Pass, Oregon	President
Steve McTimmonds	235 Lilac Lane, Grants Pass, Oregon	Vice Pres.
Larry E. Evans	Box 182B, Rogue River, Oregon	Secretary-Tres.

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
Copper, Gold, Silver

ESTIMATED COST OF PROJECT
$61,620.00 Dollars

PROPERTY NAME / LOCATION COUNTY / STATE
Brass Ledge Mine, Josephine Co., Oregon

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. II). 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 Department of the Interior, U.S. Geological Survey, Office of Minerals Exploration, 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.

3/23/71
DATED

Steve McTimmonds
BY *(Signature)*

Vice-President, Brass Ledge Mines, Inc.
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 (1) true copies of your letters to credit sources which show date of loan request, amount and terms requested, and proposed use of loan funds and (2) true copies of 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 signed by owner on MME Form 52. If the agreements cannot be obtained, state reasons and whether you can furnish a performance bond.

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.

(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) 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. State your reasons for expecting to find ore.

(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, address, and telephone number 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 time and materials *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 price 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).]

Item # 1 Financial Eligibility

(a) Applicants applied for credit from its bank and two other banks in Grants Pass, Oregon.

(1) Loan amount and terms were $38,512.50 Dollars at 10% interest for two years.

(2) Loan requested March 4, 1971

(3) Proposed use of the loan was for exploration on the Brass Ledge Mine.

(b) (1) Carl Olson, Seattle Realty, Inc., Seattle, Washington 49%

(2) Dr. D. N. Cline, 524 N. E. 6th Street, Grants Pass, Oregon 17%

(3) Steve McTimmonds, 235 Lilac Lane, Grants Pass, Oregon 17%

(4) Larry E. Evans, Box 182B, Rogue River, Oregon 17%

(c) Applicants share of exploration capital will be furnished by private financing.

Brass Ledge Mine
Item #1 Financial Eligibility
235 Lilac Lane
Grants Pass, Oregon
Enclosures

RECEIVED
MAR 26 1971
U. M. S.
SPOKANE WASH.

Item # 2 Applicants Right in Land

(a) Lode mining claims-held by location. No leins or other garnishments against the claims.

(b) The land which will be subject to Government royalities and leins is: 8 claims in N. E. ¼, section 28, township 34S, range 8W, Josephine County, Galice Mining District, Oregon.

(1) Brass Ledge Vol. 74 Page 323

(2) Brass Ledge Vol. 74 Page 325

(3) Brass Ledge Vol. 76 Page 605

(4) Brass Ledge Vol. 76 Page 607

(5) Brass Ledge Vol. 76 Page 609

(6) Brass Ledge Vol. 76 Page 611

(7) Brass Ledge Vol. 76 Page 613

(8) Brass Ledge Vol. 76 Page 615

The original claims were under the name of Beth Copper and Copper Eagle, prior to the Brass Ledge Mine.

Enclosure
Brass Ledge Mine
Item # 2 Applicants Right in Land
235 Lilac Lane
Grants Pass, Oregon

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U. M. E.
SPOKANE WASH.

Item # 3 Physical Description

(a) (1) A report by the State of Oregon (see enclosed)
(2) The applicants had a geological report with map, made by Associated Geologists, Lloyd Frizzell, B. Sc., to show the geological envirement.

(b) The present workings consist of two open pits 700 ft. apart, 3 adits, one is open, where we intend to do part of our exploration work (would be lower adit) middle adit is closed at this time, but was previously mapped, under the name of Copper Eagle. Samples were taken from the open pit by, Cominco American, State of Oregon and the applicants. See sample certifi--cates enclosed.

(c) In 1916 two train car loads of ore were shipped by Mr. Al Love, under the name of Beth Copper. (Al Love deceased, data unavailable.) In 1960, 91 tons of 5.9% ore was shipped by Mr. Harry Combers, under the name of Copper Eagle. (see state report enclosed) In 1970, 60 tons of ore was shipped to Tocoma Smelter, Tacoma, Washington, by applicants, but due to a freak accident by the bottom dump gondola car, 36 tons of ore were lost. The ore was 40% fines which never reached their destination. Due to the loss of the fines, which was higher grade ore the discussion on ore grade is limited. (see enclosed smelter flow sheet) Applicants were only paid on 4% ore. Where as the flow sheet and all assays showed 8% ore and better.

(d) No proven ore reserves, but indications, according to Associated Geologists 5,000 plus tons of ore in main pit are to a depth of 60 ft. X 100 ft. long by 18 ft. wide, assuming factor, 13 cubic ft. to the ton. (see report by Lloyd Frizzell)

(e) (1) See geological map, by Lloyd Frizzell.
(2) See report by State of Oregon and report by Lloyd Frizzell. The min--eralization occurs in Chlorite-Schist formation, in vein quartz. It occurs as lentiqular masses, in a multi-vein system. The known ore zone is 3,000 ft. long. With added drilling and drifting and open cuts we can better determine the attitude of the mineralized areas.

(f) Applicants expect to find ore because ore-grade mineralization has been found in the outcrops and surface pits, trenches, as well as in the adits. The geological envirement is favorable for a mineral deposit. Sampling of the area has been conducted by: Applicants, Cominco American, State of Oregon. Assays taken: AEG-51,cu.6.22%, ag..15%, AEG-52,cu.17.20%, ag..40% Values obtained from grab and chip samples were as follows: Sampling 2½ ft. channel by State of Oregon, across vein in main pit,AEG-58,cu.8.23%,ag..20%. Chip sample at 6 inch intervals, across ore pile shipped by Applicants, results were: cu.8.67%,ag..56%. Chip samples by Cominco American, across vein in open pit, cu.10.90%,ag.28ppm.

(g) Enclosed with application are copies of the techinical data which may be retained by the Government.

Brass Ledge Mine
Item #3 Physical Description
Enclosures
235 Lilac Lane
Grants Pass, Oregon

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SPOKANE, WASH.

Item # 4 Accessibility of Property

(a) Steve McTimmonds, 235 Lilac Lane, Grants Pass, Oregon, 97526, Phone-Area code -503-479-5850, will meet with the O. M. E. representative, who will examine the property. From Oregon, Interstate # 5, going north from Grants Pass, Oregon, you take the Merlin Exit and follow the Merlin-Galice Road, to Galice Creek Road, then turn left, go one mile to Peavine Lookout Road, turn right, go seven miles, the property is on the right side, with a sign and a private road.

(b) The property is exactly 19 miles from the railhead at Merlin, Oregon.

Brass Ledge Mine
Item # 4 Accessibility of Property
235 Lilac Lane
Grants Pass, Oregon

RECEIVED
MAR 26 1971
O. M. E.
SPOKANE, WASH.

Item # 5 Exploration Work

(a) The exploration work will consist of BX size wire line diamond coring. Maximum depth will be 300 ft. average of 150 ft., 2,000 ft. of drilling will be required. This will be done in and around the main pit area, the holes will crosscut the vein, where there are indications of mineralization. The core will be logged and split, ½ the core will be assayed and ½ will be retained. Assaying will be in 5 ft. sections of core and when core samples are poor, then sludge samples will be caught on a 5 ft. interval, retained and assayed. Before the drifting can commence, it will require 20 days to clean and repair portal and to lay 825 ft. of track. To determine the potential of the ore in the lower adit, will require 400 ft. of 5'X 7' drift, including 800 ft. of track. The drift will be driven at an average of 3 ft. per day, for a maximum of 135 days. We will retain the services of Associated Geologists, to spot drill holes and take assays, also to write a complete report on the property on completion of the project. There will be 30 hours of dozing time for exploration trenches and drill sites.

(b) No access road will be required.

(c) If O. M. E. contract is executed, drilling will commence within 14 days. Dozing and tunnel work will commence within 5 days. Daily drilling will average 25 ft. per day (1 shift). It will require 20 days per 500 ft. of holes, or a total of 80 days drilling, plus 6 days for moving from one hole to another. The core will be logged, split and prepared for assays on a daily basis. The assay results will require two weeks after completion of the final hole. The drifting will be systematically sampled as it progresses.

Brass Ledge Mine
Item # 5 Exploration Work
235 Lilac Lane
Grants Pass, Oregon

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MAR 26 1971
SPOKANE, WASH.

Item # 6 Experience

(a) The diamond coring will be contracted by: Robert Shannon Drilling Company, who have been diamond coring, in mining exploration for 20 years. Ernie McTimmonds will sub-contract the portal cleaning and repairing, laying of 825 ft. of track, also 400 ft. of 5'X7' drifting and 800 additional ft. of track. Ernie McTimmonds has been in the mining feild for 35 years. Mr. Steve McTimmonds, of Amrac Mines, Inc., will do the dozing and supervise the project. His qualifications are as follows: 18 years mining and supervisory work.

(1) President of Amrac Mines, Inc.

(2) Vice-President of Brass Ledge Mines, Inc.

(3) Foreman Oregon-Canadian Mines, Inc.

(4) Owner-partner Black Otter Chrome

(5) Affiliated past 12 years with: U.S.Steel, Marcona Corp., Cominco American, Western American Ore Co., Roberts Mining, Associated Geologists, Bunker Hill Co., Citation Ltd., Star Mining Co., Morrison & Knudsen Mining Division (F&S Mining and Contracting)

Brass Ledge Mine
Item # 6 Experience
235 Lilac Lane
Grants Pass, Oregon

RECEIVED
MAR 26 1971
O. M. E.
SPOKANE, WASH.

Item # 7 Estimate of Cost

(a) (1)	Contract Drilling	
	(a) Wire line BX diamond coring $11.00 per ft. 2,000 ft.	$22,000.00
	(b) Mob. & Demob. 2 times @ $250.00 each	500.00
	(c) Drill sets 4 @ $100.00 each	400.00
(2)	Associated Geologists	
	(a) Logging, spliting and preparing core for assays from drilling and chip sampling from drift 400 samples @ $10.00 each	$ 4,000.00
	(b) Spotting drill holes and report, 10 days time	1,000.00
(3)	Amrac Mines, Inc.	
	(a) Supervision of work for 120 days	$ 2,400.00
	(b) Exploration trenches and drill sites, 30 hours dozing time at $20.00 per hour	600.00
(4)	Contract Drifting	
	(a) Portal repair: Cleaning, retimbering and retracking of original adit	$ 2,920.00
	(b) 400 ft. of 5'X7' drift @ $60.50 per ft.	24,200.00
	(c) Timber drift where required @ $15.00 per ft.	
(b) (1)	Amrac Mines, Inc.	
	(a) Accounting, payroll, office supplies & misc. for 120 days @ $150.00 per month	$ 600.00
(2)	Liability and Workmens Compensation for 135 days	3,000.00

(c) All equipment and materials under $50.00 will be furnished privately.

(d) All equipment and materials over $50.00 will be furnished privately.

(e) There will be no repairs required.

(f) No building will be required.

(g) Refer to above, the answer is none.

Total	$61,620.00
Brass Ledge Mines, Inc.,Participation	$23,107.50

Enclosures
Brass Ledge Mine
Item # 7 Estimate of Cost
235 Lilac Lane
Grants Pass, Oregon

RECEIVED
MAR 26 1971

UNITED STATES NATIONAL BANK OF OREGON

March 11, 1971

RECEIVED
MAR 26 1971
O. M. E.
SPOKANE, WASH

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

Dear Mr. McTimmons:

In response to your letter of the 4th, we regret to advise that we would be unable to assist with the financing you requested at this time.

We do not have sufficient information regarding mining operations of this type on which to base an approval.

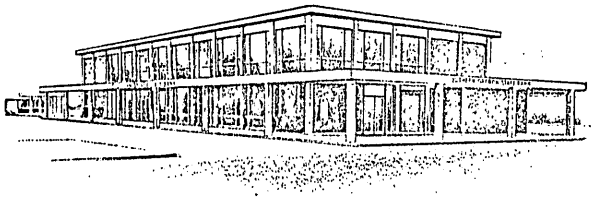
We know of no source of local funds for this purpose.

Sincerely

Arthur L. Brown
Assistant Manager

ALB:iv

GRANTS PASS BRANCH
400 S. W. SIXTH STREET
P. O. BOX 410, GRANTS PASS, OREGON 97526
HEAD OFFICE — PORTLAND



SOUTHERN OREGON STATE BANK

Home Owned — Independent

735 SOUTH EAST SIXTH STREET 479-2681

GRANTS PASS, OREGON

March 8, 1971

Mr. Steve Mc Timmonds
Vice President
Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

Re: Loan Request -
$38,512.50

Dear Mr. Mc Timmonds:

After reviewing your request for a loan for exploration and development of the ore body known as Brass Ledge Mines, Inc., we find that we are unable to approve your request.

The speculative nature of this enterprise determines our decision. We are not aware of anyone, or any lending institution, who would be able to advance the necessary funds for this operation.

Very truly yours,

L. M. JENSEN
Vice President

LMJ/mp

RECEIVED

MAR 26 1971

O. M. E.
SPOKANE, WASH.

FIRST NATIONAL BANK OF OREGON

GRANTS PASS BRANCH. 205 N.E. SIXTH STREET. GRANTS PASS. OREGON 97526

March 19, 1971

Mr. Steve McTimmonds, Vice President
Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

Dear Mr. Mc Timmonds:

You recently made application to us for a firm loan in the amount of $38,512.50 to be used in the general development of a mining activity in this area.

We have discussed this matter with you, and it is our conclusion that because of a lack of security it will not be possible for this bank to grant you a loan at this time.

Very truly yours,

VNelson

Vernon P. Nelson
Vice President & Manager

VPN/dh

RECEIVED
MAR 26 1971
O. M. E.
SPOKANE, WASH.

BROWN, SMITH & ROBINSON

RECEIVED
MAR 26 1971
O. M. E.
SPOKANE, WASH.

STATE OF OREGON)
) ss
County of Josephine)

I, STEVE McTIMMONDS, being duly sworn, say:

That the attached letters, each dated March 4, 1971, to Southern Oregon State Bank, First National Bank of Oregon and U. S. National Bank of Oregon, are exact and true copies of the originals mailed by me to each of said banks on said date.

Steve McTimmonds

Subscribed and sworn to before me this 22nd day of March, 1971

R. Gene Smith
Notary PUblic for Oregon
My Commission Expires: 6/19/72

Brass Ledge Mines, Inc.
Grants Pass, Oregon

March 4, 1971

Southern Oregon State Bank
735 S.E. 6th Street
Grants Pass, Oregon 97526

RECEIVED
MAR 26 1971

Att: Mr. Lloyd Jensen

Gentlemen:

This is a letter of request for credit, to be used in exploration and development of the ore body at the Brass Ledge Mines, approximately 31 miles west of Grants Pass, Josephine County, Oregon.

Certain geological, engineering, mapping and shipping data is available for your perusal and study. This data indicates strong possibilities for the exsistence of a high grade mineral deposit of sufficent tonnage to be of commercial value.

To put this on a self-sustaining basis will require an investment of $61,620.00 Dollars. This sum includes the laying of 290 ft. of rail in the lower workings, prior to actual drifting.

It is hereby requested that a loan of $38,512.50 Dollars, for a period of two years, at 10% interest be granted applicants. The payments to be made from the minerals sold from the operation of the mine, at the rate of 10% of the gross revenue.

If the policy of your bank is such as to preclude participation in this operation, your referrel of this request to any parties who might favorably regard this venture would be most gratefully appreciated.

Sincerely Yours,

Steve McTimmonds

Brass Ledge Mines, Inc.
Steve McTimmonds
Vice-President

SMcT/cw

(Enclosure for Item # 1)

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon

March 4, 1971

First National Bank of Oregon
205 N. E. 6th Street
Grants Pass, Oregon 97526

Att: Mr. Nelsen

Gentlemen:

This is a letter of request for credit, to be used in exploration and development of the ore body at the Brass Ledge Mine, approximately 31 miles west of Grants Pass, Josephine County, Oregon.

Certain geological, engineering, mapping and shipping data is available for your perusal and study. This data indicates strong possibilities for the exsistence of a high grade mineral deposit of sufficent tonnage to be of commercial value.

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If the policy of your bank is such as to preclude participation in this operation, your refarral of this request to any parties who might favorably regard this venture would be most gratefully appreciated.

Sincerely Yours,

Steve McTimmonds

Brass Ledge Mines, Inc.
Steve McTimmonds
Vice-President

SMcT/cw

(Enclosure for Item # 1)

RECEIVED
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O. M. E.
SPOKANE, WASH.

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

March 4, 1971

U. S. National Bank of Oregon
400 S. W. 6th Street
Grants Pass, Oregon 97526

Att: Mr. Brown

Gentlemen:

This a letter of request for credit, to be used in exploration and development of the ore body at the Brass Ledge Mine, approximately 31 miles west of Grants Pass, Josephine County, Oregon.

Certain geological, engineering, mapping and shipping data is available for your perusal and study. This data indicates strong possibilities for the exsistence of a high grade mineral deposit of sufficent tonnage to be of commercial value.

To put this on a self-sustaining basis will require an investment of $61,620.00 Dollars. This sum includes the laying of 210 ft. of rail in the lower workings, prior to actual drifting.

It is hereby requested that a loan of $38,512.50 Dollars, for a period of two years, at 10% interest be granted applicants. The payments to be made from the minerals sold from the operation of the mine, at the rate of 10% of the gross revenue.

If the policy of your bank is such as to preclude participation in this operation, your referral of this request to any parties who might favorably regard this venture would be most gratefully appreciated.

Sincerely Yours,

Steve McTimmonds

Brass Ledge Mines,
Steve McTimmonds
Vice-President

(Enclosure for Item # 1)

SMcT/cw

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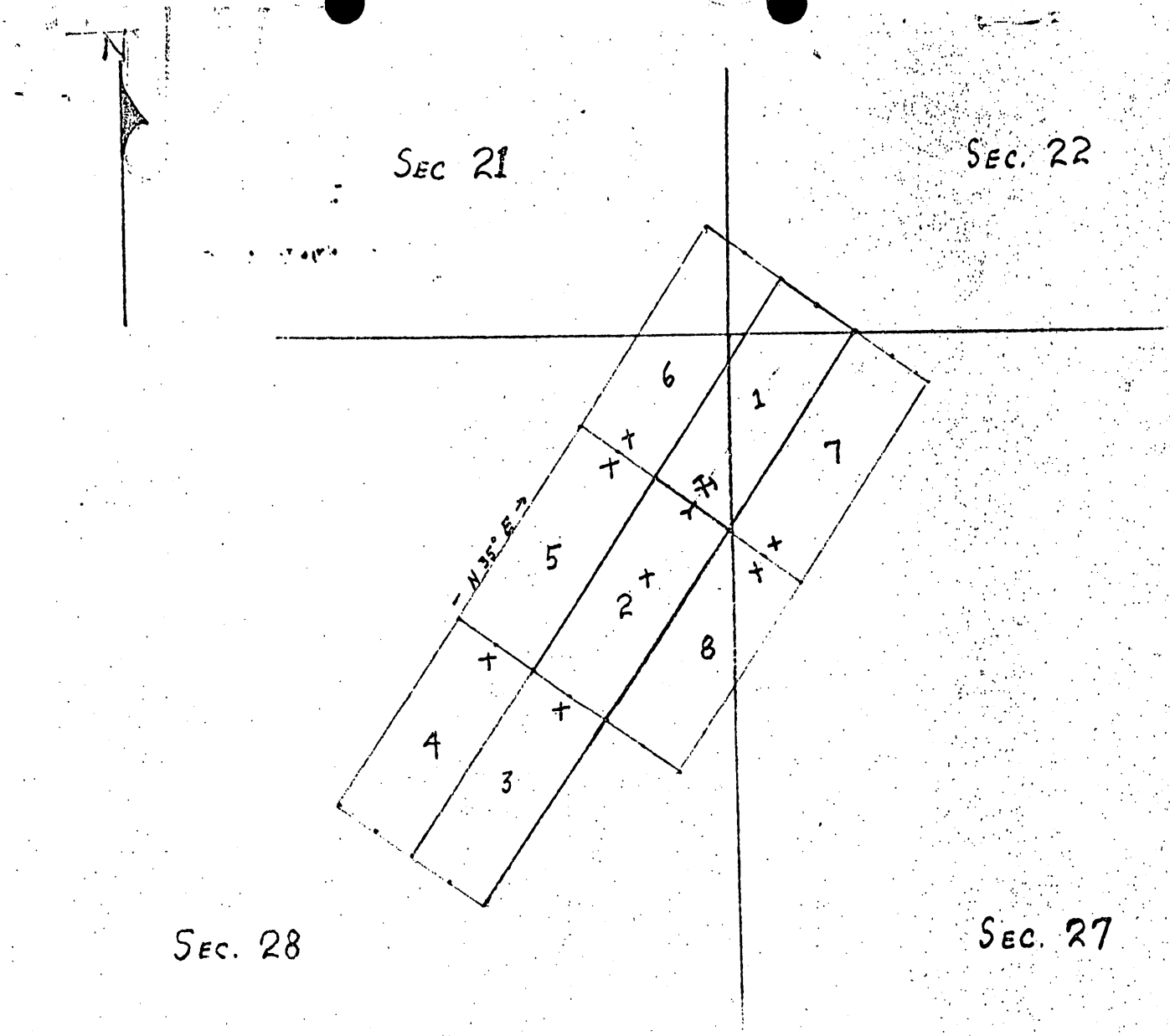
SPOKANE, WASH.



BRASS LEDGE GROUP — CLAIMS SKETCH

TOWNSHIP 34 SOUTH, RANGE 8 WEST

⊠ MAIN PIT
◁ LOWER ADIT
X DISCOVERY CUTS
SCALE: 1 INCH = 1000 FEET
(LOCATION OF SECTION LINES APPROX.)

MARCH 1971

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O. M. E.
SPOKANE, WASH.

(Enclosure Re: Item # 2)
Brass Ledge Mine

CITATION COPPER MINES, INC.
1627 East Lynn Street
Seattle, Washington 98102

August 24, 1970

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon

Gentlemen:

Tom Tough, the Professional Engineer, who examined your property for me is convinced it warrants a drilling program. However, inasmuch as he was examining the property for recommendation to a Stock Broker for financing, he feels there is not enough ore presently developed to satisfy the B.C. Securities Commission, whose approval is necessary before the Broker can underwrite a Public Offer.

Without further development this avenue of finance is beyond reach -- an independent company should be your answer.

Our company is public and by law all the money subscribed must go to the development of present property.

Please feel free to call on me if I can be of help in the future. I am

Sincerely,

Tom O'Connell

TOM O'CONNELL
Executive Vice President

TO'mo

cc: Mr. Arthur Theis
5555 South Holly
Seattle, Washington.

AMERICAN
SMELTING
AND
REFINING
COMPANY

ASARCO

P. O. BOX 1677, TACOMA, WASHINGTON 98401

R. E. SHINKOSKEY
MANAGER

C. H. RANDT
ASSISTANT MANAGER

K. H. ANDERSON
GENERAL SUPERINTENDENT

BEN R. PETRIE
ACCOUNTING MANAGER

June 3, 1970

Brass Ledge Mines, Inc.
524 N. E. 7th Street
Grants Pass, Oregon

Gentlemen:

Your ore sample has been received and analyzed with the following results:

Oz/Ton		Percent										
Au	Ag	Pb	Cu	Zn	As	Sb	Ni	SiO2	Fe	CaO	S	Al2O3
No	0.56	0.10	8.67	0.2	No	No	0.05	64.5	12.8	0.3	9.0	0.3

Ore with the above analysis would return you about $80 per ton less freight and mining costs.

If the analysis is representative of ore that is mined for shipment, not a specimen or sample of a vein, we will accept a trial carload of this material, provided the freight charges are prepaid. Shipment must be made in a hopper bottom railroad car. The minimum amount we will handle is 50 tons. The maximum size that can be handled is 12 inches in any dimension.

Before shipping we require some proof of ownership such as a copy of your lease or deed or filing of your claim with the County Auditor.

Please let us know when you plan to ship and send us the original bill of lading and instructions for mailing of payment.

Yours truly,

C. H. Randt

C. H. RANDT

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MAR 26 1971
O. M. E.

CHR:cg
(fu)

(Enclosure Re: Item # 3)

Cominco American

Mr. Steve McTimmons
235 Lilas Lane
Grants Pass, Oregon 97526

February 2, 1971

Dear Steve:

Good to hear from you as I was wondering of the progress you were making on the Brass Ledge property. I am apologetic for not having sent you our assay results, but I inadvertently forgot. Enclosed is a copy of the assay sheet indicating my preliminary sampling results and this information should not be used in itself to evaluate the property.

I plan to examine the Miller Creek property this summer when my schedule permits and will contact you at that time.

Yours truly,

G. G. Booth

G. G. Booth
Exploration Geologist

GGB:mw

enc.

(Enclosure Re: Item # 3)
Brass Ledge Mine
235 Lilac Lane
Grants Pass, Oregon

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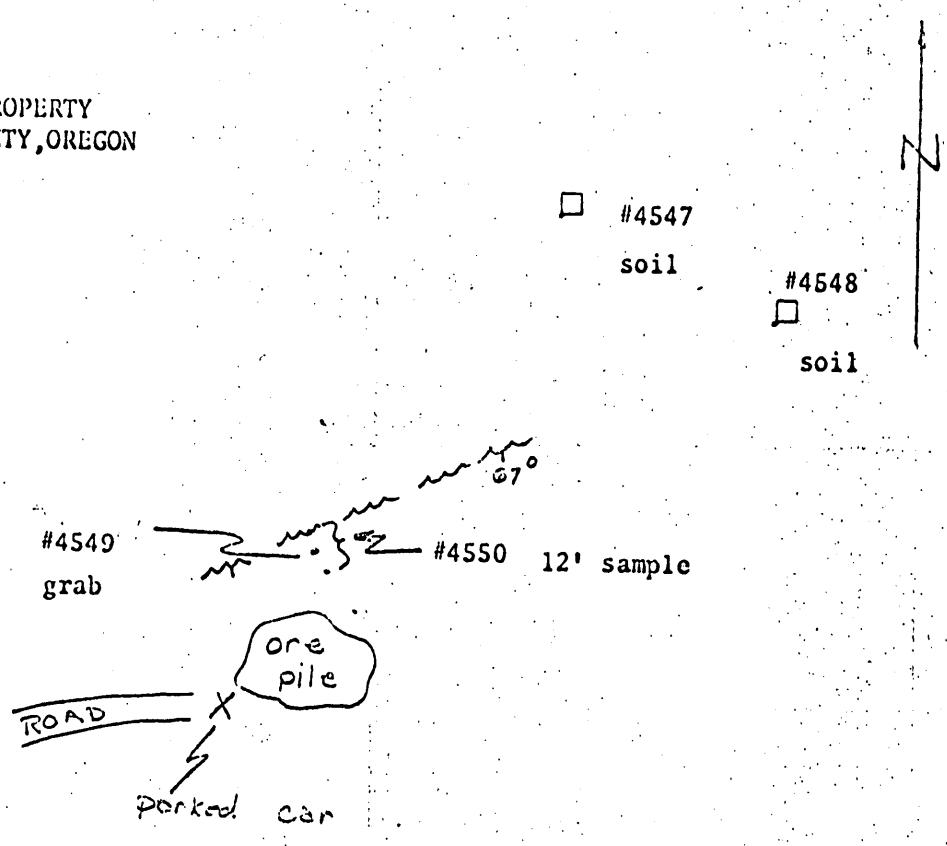
SPOKANE, WASH.

BRASS LEDGE PROPERTY
JOSEPHINE COUNTY, OREGON



(Enclosure Re: Item # 3)
Brass Ledge Mine
235 Lilac Lane
Grants Pass, Oregon

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O. M. E.
SPOKANE, WASH.

Assay Report

Cominco American

Date September 28, 1970 Name Brass Ledge, Galice, Oregon

Sample	Lot No.	Assay for	~~Weight taken~~	~~Thanion~~	~~Blank~~	~~Proof~~	~~Reported~~
		Cu%	Zn ppm	Ag ppm			
Soil Sample	4547	.04	153	6			
Soil Sample	4548	.015	215	2			
Chip at Main Show	4549	10.90	132	28			
Twelve foot channel	4550	1.30	110	8			

CAI 152

(Enclosure Re: Item # 3)
Brass Ledge Mine
235 Lilac Lane
Grants Pass, Oregon

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O.M.E.

Au,Ag,Cu

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building - Portland, Oregon 97201

REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information requested completely, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Steve McTimmonds
1400 Rogue River ~~[illegible]~~ Hwy.
Grants Pass, Oregon 97526

Please print your name and address in space above

Date sample is sent: May 20, 1970

Name of claim sampled: Brass Ledge

Name of property owners Brass Ledge Mines Inc.

Are you hiring labor? no Are you milling or shipping ore? no

Location of property or source of sample. (If legal description is not known, give location with reference to known geographical point.)

County Josephine Mining district Galice

Township 34 S Range 8 W Section 28 Quarter section

How far from passable road and name of road road to mine

	Channel (length)	Grab	Assay for	Description
Sample No. 1		X	Au,Ag,Cu	
Sample No. 2				

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) Steve Mc Timmonds

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description #1 Fractured iron and copper stained vein quartz with chalcopyrite

Sample Number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value	Copper Cu			
AEG-101 P-34881	Nil	----	0.40	----	17.20%	----	----	----
	----	----	----	----	----	----	----	----

(Enclosure Re: Item # 3)
Brass Ledge Mine
235 Lilac Lane
Grants Pass, Oregon

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MAR 26 1971

Report mailed 5/28/70

Grants Pass, Oregon
March 10th, 1971

Steve McTimmonds
Amrac Mines
Grants Pass, Oregon

I quote the following prices for 2,000 ft. of B.X. core drilling at the Brass Ledge mine in Josephine Co. Oregon.

Mob. and Demob.	$250.00
B.X. "Wire Line" coring per ft.	$ 11.00
Hole to hole move	$100.00

All roads, access, and drill stations to be provided by Amrac.

Pumping costs for drilling water in excess of 1,000 ft. from source to be covered by Amrac.

Sincerely Yours,

Bob Shannon

Bob Shannon
249 Ewe Cr. Road
Grants Pass, Oregon 97526

Phone 479-6555

(Enclosure Re: Item # 7)

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O. M. E.
SPOKANE WASH.

ASSOCIATED GEOLOGISTS
302 N. W. 4th STREET
GRANTS PASS, OREGON - 97526
479-4116

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MAR 26 1971
O. M. E.
SPOKANE, WASH.

Report on the Brass Ledge Mine, Sec. 28, Twp. 34S., R. 8 W. W. M.,

Josephine County, Oregon

1. INTRODUCTION

A. Purpose & Scope: Dr. D. Cline and Mr. Steve McTimmonds, officials of the Brass Ledge Mine Co., Inc. requested Associated Geologists to examine the Brass Ledge Mine. The purpose of the examination was to map the existing workings so that the vein structure and geological features of the Brass Ledge deposit could be evaluated. The purpose of the examination was not to calculate ore-reserves, nor to evaluate the "cash worth" of the mine. The mapping and examination was deemed necessary so that future exploration planning could be made. It was hoped that a better understanding of the paragenesis of the deposit could be obtained.

In the past 2 months the upper adit and surface pits have been removed by bulldozing. An open pit has replaced them. An ore shoot has been selectively mined in the resulting open-pit. A 60-ton stockpile of shipping ore is presently at the railhead. A stockpile of the cobbed-ore is retained at the mine.

The lower adit of the mine is open. The portal of the middle adit is caved. In 1955, Mr. Norman Appling, now head of the Bureau of Mines in Spokane, Washington, mapped the middle adit. This map was studied and the middle adit tied into the tape and Brunton survey conducted by the writer.

The scope of the examination was limited to a tape and Brunton survey of the immediate accessible mine workings. No systematic sampling was done. The shipping ore was examined. The identification of the rock-types was made in the field. No microscopic work was conducted. The company's assay records

were reviewed. A study of the geological literature was made by the writer who has been an active geologist in the area for 11 years.

11 SUMMARY

In November, 1962, the writer examined, sampled, and mapped the upper level of the Brass Ledge Mine. Mr. Al Love (deceased), the owner, and operator of the Brass Ledge mine in 1916 shipped 2 carloads of high-grade ore from the upper workings of the mine. In 1959, Harry Commer shipped 91 tons of 5.9% copper from the upper workings.

Four days, July 23, 25 - 27, 1970, were spent at the mine conducting a tape and Brunton survey of the open-pit, lower adit and the surface workings south of the main workings (see map). A map on the scale 1" = 50 ft. accompanies this report.

The mapping indicates that the Brass Ledge deposit consists of a multi-vein system. The strongest veins are contained in paralleled shears which strike N. 65° E. The dip of the veins varies from 45° to 70° S.E. Outside the ore shoots themselves the veins dip steeply and for projection purposes 65° has been used. The ore-shoot in the open pit is part of one of the N. 65° E. striking veins. The mineralized zone in the lower adit is 122 ft. below the open pit. This vein is parallel to the vein in the open pit but lies 50 - 60 ft. out into the hanging wall of the open pit vein.

A third vein has a strike of N. 40° E./45° S.E. This vein has been mapped by Mr. Appling in the middle adit and appears as a cross fracture connecting the N. 65° E. veins. A fourth vein structure strikes approximately east-west and dips steeply to the south. In the lower adit, in the right cross-cut a strong shear strikes N. 30° E./70° N. W. The significance and relationship of this shear to the ore deposit is not clear. It appears that this shear will intersect the ore-bearing veins 60 ft. below the lower adit.

The mapping indicates that the entire mineralized vein system has developed in a chlorite schist zone. In the immediate area of the ore-shoots the chlorite schist is altered to serpentine. The chlorite schist may be an altered phase of tl amphibole gneiss that regionally outcrops in the area. On the other hand, the chlorite schist may be a separate unit. If it is a separate unit then the vein structure and the ore-shoots are likely controlled by it. The paragenesis of the deposit may be directly related to the chlorite schist.

The vein system has developed ore-shoots consisting of quartz and copper mineralization. The primary copper ore is chalcopyrite. In the upper levels an assemblage of secondary copper minerals has formed. The shipping ore from the pit contains, in addition to chalcopyrite, chalcocite, bornite, covellite, malachite, and copper oxides. The secondary copper minerals are present in sufficient amounts to significantly up-grade the primary ore. Minor amounts of malachite and bornite were observed in the stringers and wall rock of the mineralized zone in the lower adit. From the present workings, it is not possible to establish the depth of the secondary enrichment.

The ore shoots on the Brass Ledge appear typical of "augen" (eye-like or lens) structures formed by oblique reverse or normal faulting where one wall of the fault moves obliquely past the other wall. It must be remembered that the walls in blocks of rock do not break in straight planes but undulate or dip at different angles. This configuration causes the fault or vein to have open areas which pinch or close both along strike and up and down the dip. Thus when the mineralization comes into the fault, it deposits itself in the openings, especially if the wall rock is a favorable host. The resulting configuration of this type of vein structure is one that pinches and swells. The ore-shoot in the open-pit at the Brass Ledge is in excess of 100 ft. long, swells at its widest point to 20 ft. and pinches down to less than 2 ft. wide. Outside the "oreshoot" the vein pinches to several inches wide.

The mapping also indicates that the ore shoots are controlled by the junctioning of 2 or more veins. The start of the ore-shoot in the open-pit appears to originate just above the middle adit with the junctioning of a N. 40° E. vein with the N. 65° E. vein in the pit. If this is the case the ore-shoot in the pit should extend 70 ft. down-dip.

The formation of the mineralized zone in the lower adit appears to be the result of the intersection of numerous mineralized stringers. The junction has not been well enough explored to determine how large an ore shoot has developed in this zone. Judging by the widespread alteration of the wall rock to serpentine and the large amount of gouge formed, the possibility of a large ore shoot exists.

700 ft. southwest of the open pit and at the same elevation a stringer 4" to 6" wide of quartz with visible chalcopyrite has been exposed by bulldozing. The stringer has developed in amphibole gneiss. 200 ft. eastward along the ridge a trench exposes a zone of chlorite schist. No mineralization was seen in the schist here.

Projecting the vein structure from the open-pit to the south zone indicates that the south zone is offset eastward approximately 150 ft. However, there is not sufficient work done, nor rock exposures on the south zone to establish definitely the presence of faulting.

A regional geological study of the Brass Ledge mine shows the mine to be located in a highly metamorphosed Rogue formation of Jurassic age. The mine lies between the Hansen Saddle fault, into which a peridotite mass has been intruded and a large peridotite mass to the east. The peridotite to the east outcrops some 200 ft. lower than the Brass Ledge mine. Here in southwestern Oregon nearly all the copper deposits have been found near the contacts of serpentinized peridotite bodies.

If the peridotite is present at the Brass Ledge mine, it must be at depth

as it does not outcrop in the immediate surface area nor in the mine workings. The absence of the peridotite suggests to the writer that the copper-mineralization in the Brass Ledge should go to considerable depths below the present mine workings.

111 CONCLUSIONS AND RECOMMENDATIONS

From the examination and mapping the writer has formed the following opinions:

(1) The Brass Ledge deposit consists of a multi-vein system.

(2) The vein system and the ore shoots are structurally controlled by the chlorite schist.

(3) The ore-shoots consist of quartz and both primary and secondary copper minerals. The ore shoots are lenticular masses which will swell and pinch both along strike and down the dip.

(4) The ore-shoots will vary in size and grade. The tonnage and grade of the ore shoots is unpredictable. The past and present operations indicate that at least one ore shoot was of sufficient size and grade to warrant further exploring for the same kind of shoots.

(5) One main vein exposed in the lower adit has never been explored by the past operations. This vein structure deserves to be explored primarily with a raise or stope.

(6) The deposit is rock-type controlled. The chlorite schist is probably a mappable unit.

(7) The vein system outside of the ore-shoots may consist of extremely narrow shears 1" - 2". Great care will be needed in following the vein system from one ore shoot to another.

(8) It is the writer's opinion that more ore-shoots are present in the mine area.

(9) To explore for extensions of the vein system along strike, both

detailed, close spaced geochemical sampling and detailed geophysical surveys should locate the vein system. Detailed electro-magnetic surveys or induced polarization surveys should be used.

(10) To explore, underground drilling should be a useful tool providing sufficient drilling is done. Because of the pinching and swelling of the veins and the unpredictable junctioning of the veins, too few drill holes could be dangerous. A limited drilling program would be useless. Plug hole drilling should be quite effective above the lower adit providing systematic sampling of the sludge is taken. The ore shoots themselves should core. The ore is massive enough to core. The shearing around the ore-shoot may be difficult to core but fortunately so far the high-grade ore is not connected with the gouge. Again all sludges from coring should be assayed.

(11) In the final analysis the only way to get a true evaluation of the deposit will be by drifting, raising, and sinking. Whenever possible all underground work should be done by staying directly on the vein system. Every round should be carefully mapped and sampled. The mapping should be extremely detailed as to vein structure and rock types. A drift or raise could pass within inches of the start of an ore-shoot. All small junctions and enriched areas should be explored by probing up and down dip.

The first underground exploration should be to develop the ore shoot in the lower level, preferably by raising into the shoot so as to determine its character.

(12) In summation, it is the writer's opinion that the Brass Ledge deposit merits further exploration.

The writer hereby certifies that he has no participating interest in either the Brass Ledge claims nor owns or has been offered any stock in the company. This report is written strictly in the capacity of a consulting geologist and is respectfully submitted this 30th day of July, 1970, in Grants Pass, Oregon by

ASSOCIATED GEOLOGISTS

Lloyd E. Frizzell

Lloyd E. Frizzell, B. Sc.

AEG - 52
Au,Ag,Cu

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building - Portland, Oregon 97201

REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information requested completely, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Ray Varner
150 Union Ave.
Grants Pass, Oregon 97526

Please print your name and address in space above

Date sample is sent: Mar. 25, 1970

Name of claim sampled: Brass ledge #1

Name of property owners Ray Varner and others

Are you hiring labor? no Are you milling or shipping ore? no

Location of property or source of sample. (If legal description is not known, give location with reference to known geographical point.)

County Josephine Mining district Galice

Township 34 S Range 9 W Section 28 Quarter section NE

How far from passable road and name of road On Reavine Rd.

	Channel (length)	Grab	Assay for	Description
Sample No. 1		x	Au,Ag,Cu	
Sample No. 2				

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) Ray Varner

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description Vein quartz with limonite and chalcopyrite in part tarnished.

Sample Number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value	Copper Cu			
AEG-52 P-34573	Nil%	---	0.15	---	6.22%	---	---	---
	---	---	---	---	---	---	---	---

(Enclosure Re: Item # 3)
Brass Ledge Mine
235 Lilac Lane
Grants Pass, Oregon

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MAR 26 1971

Report mailed 4/3/70

AEG - 58 & 59
Au,Ag,Cu

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building - Portland, Oregon 97201

REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information requested completely, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Date sample is sent: 4/1/70

Len Ramp
P.O. Box 417
Grants Pass, Oregon 97526

Name of claim sampled: Brass Ledge

Please print your name and address in space above

Name of property owners Steve McThimonds, Larry Evans, Don Cline, etc.

Are you hiring labor? yes Are you milling or shipping ore? no

Location of property or source of sample. (If legal description is not known, give location with reference to known geographical point.)

County Josephine Mining district Galice

Township 34 S Range 8 W Section 28 Quarter section NE

How far from passable road and name of road 1/8 mile - Peavine Road

	Channel (length)	Grab	Assay for	Description
Sample No. 1	2½ Ft.		Au,Ag,Cu	across vein in open cut
Sample No. 2		x	Au,Ag,Cu	ore pile pit at south extension

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) L.R.

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description Fractured iron and copper-stained vein quartz with some chalcopyrite and limonite.

Sample Number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value	Copper Cu			
AEG-58 P-34651	Nil	---	0.20	---	8.23%	---	---	---
AEG-59 P-34652	Nil	---	Nil	---	0.3%	---	---	---

(Enclosure Re: Item # 3)
Brass Ledge Mine
225 Lilac Lane

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MAR 26 1971

Report mailed 4/9/70

LAW RELATING TO FREE ANALYSIS OF ORES, MINERALS, ETC.
CHAPTER 179, Section 10, Oregon Laws 1937

The department shall make, or cause to be made, quantitative determinations of ores and minerals when submitted for the purpose, that are from original prospects or properties within the state of Oregon, and shall mail to the sender the results obtained within 10 working days after receipt of samples; said service shall be performed by the department without charge to the sender and shall be rendered in exchange for information for the records of the department, stating the name and residence of the sender together with a history of the ore or mineral, giving as nearly as possible the location from which the sample was taken, including the name of the county, and any other matters that may be beneficial touching the same. All determination shall be performed under the following rules and regulations and subject to the following restrictions:

(a) No sample submitted by engineers sampling prospects or mines for the purpose of evaluation, or submitted by operating mines milling or shipping ore, or hiring labor, shall be accepted by the department for assay and/or analysis, except they be taken in the field by members of the department's staff in conducting the work of the department within the scope of this act.

(b) The number of samples which any single person or group of persons may submit shall be limited to two in any 30 day period and all samples shall be assayed or analyzed by the department in the order received, as far as possible.

(c) All information received and results of determination sent out shall be open to public inspection and may be published by the department.

(d) Before any work is done on the material submitted, all information required must be possessed by the department and the 10 day limit for reports will count from the time such data are received by the department.

BRASS LEDGE QUARTZ CLAIM (gold) Galice Area
see also Copper Eagle Mine

Owner: Western Metal Mines Co., J. J. Seidel, Medford, Oregon, Agent.

Location: Sec. 22, 27, T. 34 S., R. 8 W.

Area: The property now consists of one claim instead of three claims.

History: Parks and Swartley reported as follows:

"The Copper Eagle Mine is situated about four miles northwest of Galice on the south side of Pea Vine Mountain, and is owned by J. F. Reddy and P. B. Wickham of Grants Pass.

"A well defined fissure vein in greenstone 12-30 inches wide containing quartz and chalcopyrite is seen in an upper drift for 400 feet along the vein. A tunnel 200 feet long and 120 feet below the drift above mentioned approaches the strike of the vein at an angle of about 25°. A careful survey would determine the change in direction of this lower tunnel to cut the vein in the shortest distance. The vein is said to run 4-5 percent copper and about $2.00 in gold."

References: Parks and Swartley, 16:72 (quoted).
List of Mines in Oregon.

Informant: J. E. Morrison, 1939.

see File

(Enclosure Re: Item # 3)
Brass Ledge Mine
235 Lilac Lane
Grants Pass, Oregon

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MAR 26 1971

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

Supplemental information Brass Ledge Copper Mine

Galice District
Josephine County

Mining News of Southwestern Oregon
from Sept. 1960 Ore-Bin, page 117

"Harry Commers of Grants Pass shipped 2 carloads of copper-bearing vein quartz from the Copper Eagle (Brass Ledge) mine in the Galice district, Josephine County, to the Tacoma smelter. The shipments were made during October."

Harry Commers reported the total shipment to be about 91 tons. The grade reportedly averaged 5.9 percent copper. Most of the material shipped came from the open cut lying above the upper tunnel.

The mine which is located near the east edge of the NE¼ of sec. 28, T. 34 S., R. 8 W., was visited 9/15/60. Two miners were working in a shallow winze or underhand stope in the upper tunnel (about 3200 level). At this point the N. 65° E.-striking and 50° SE-dipping vein is about 3 feet wide. The winze or underhand stope was about 5 feet below the sill. At the face, 55 feet beyond the winze, the vein is 3-6 inches wide. It occurs in a narrow shear zone in the altered rock (sandstone ?). Total length of the upper tunnel is about 150 feet.

An open cut above the tunnel extends north along the vein for a distance of about 175 feet to the crest of a small ridge.

The intermediate level is completely closed by caving at the portal. It is southwest of and about 40 feet lower than the upper tunnel. Judging from the size of the dump the intermediate level may contain 200-300 feet of workings. Rocks found on the dump include fresh phyllitic greenstone

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MAR 28 1971

and quartz with some pyrite and chalcopyrite.

The lower tunnel is alongside the creek about 55 feet below the intermediate level. The portal is caved but the tunnel is open and in good condition inside. It contains about 375 feet of workings. There is very little evidence of mineralization and no ore was seen in the lower tunnel.

A sample (UG-244, P-25724) cut across the vein at the winze in the upper tunnel assayed Trace gold, Nil silver and 1.60 percent copper.

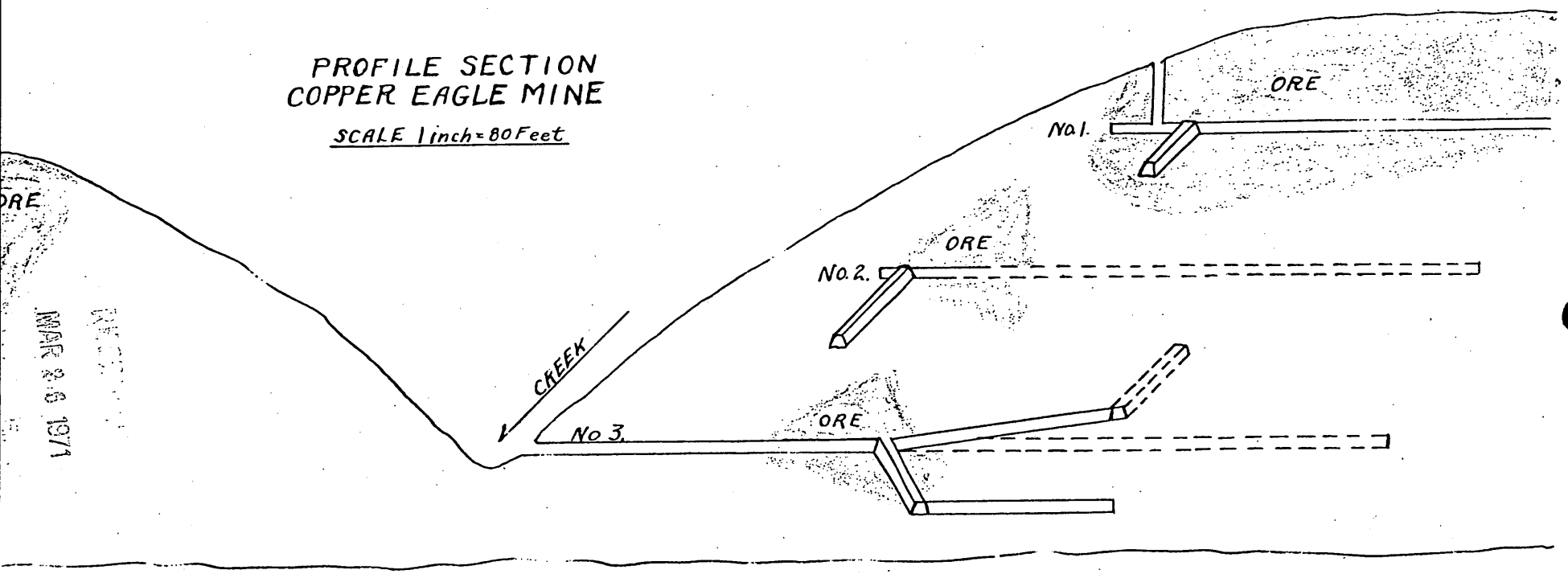
Informant: Harry Commers.

Report by: Len Ramp 2/9/61.

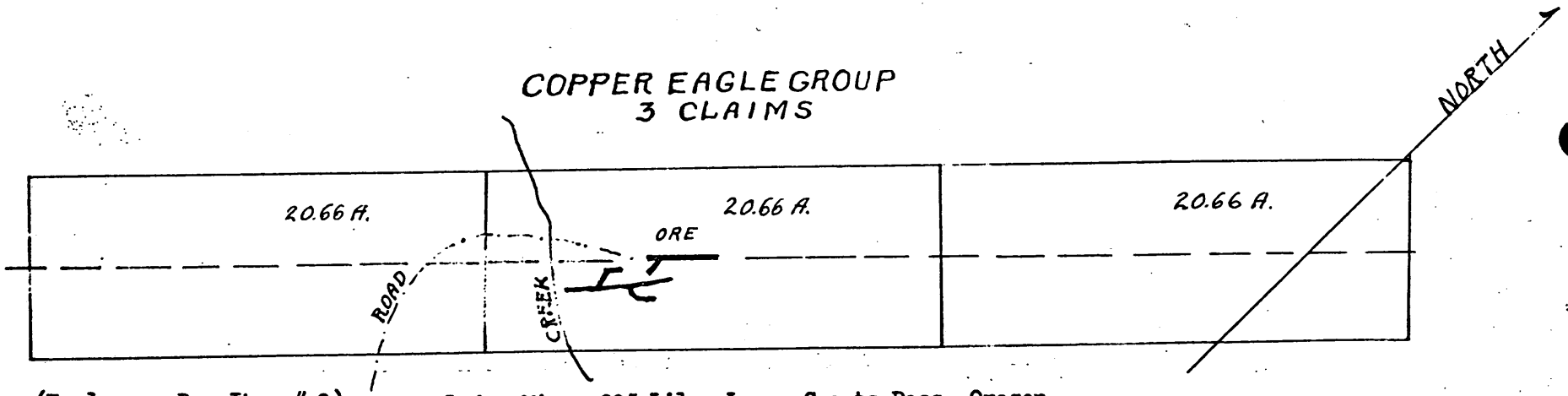
* * * * * * *

(Enclosure Re: Item # 3)

MAR 26 1971



MAR 26 1971



(Enclosure Re: Item # 3) Brass Ledge Mine, 235 Lilac Lane, Grants Pass, Oregon

This map done by State of Oregon prior to 1960

MEDFORD DIAMOND CORE DRILL CO.
P. O. BOX 742
MEDFORD, OREGON
PHONE 772-4537 or 482-3967

March 1, 1971

Brass Ledge Mines
235 Lilac Layne
Grants Pass, Oregon

Gentlemen:

In reply to your request for quotations for exploration drilling at your mining property, I submit the following.

Mobilization and demobilization	lump sum	$ 500.00
2000 ft. drilling B.X. wire line	11.50 ft.	23,000.00
4 Hole to hole moves	125.00 ea.	500.00
		$24,000.00

We wish to thank you for the opportunity to quote you on your drilling program.

Very truly yours,
MEDFORD DIAMOND CORE DRILL CO.
R. F. Hageman
R. F. Hageman
owner

(Enclosure Re: Item # 7)

RECEIVED
MAR 26 1971
O. M. ...
SPOKANE, WASH.

March 3, 1971

Amrac Mines, Inc.
138 Laubach Lane
Grants Pass, Oregon 97526

Gentlemen:

Following are costs for exploration drilling on the Brass Ledge Mining property, near Merlin, Oregon.

This is based on your estimate of a minimum of 2,000 ft. of BX core drilling.

BX core drilling (per ft.)	$ 12.00
Labor (reaming, casing, cementing)	25.00 per hour
Mobilization	250.00
Demobilization	250.00

Roads and access to be furnished by Amrac Mines.

Floyd Wright

Floyd Wright (owner)
Delta Diamond Drilling
4780 Redwood Avenue
Grants Pass, Oregon

(Enclosure Re: Item # 7)

RECEIVED
MAR 26 1971
SPOKANE WASH

MME Form 7
(2/63)

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Date	Surname	Code
5/5/71	Kirkemo	120
5/6	[illegible]	
		130
		220

MAY 6 1971

AIRMAIL

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

Re: OME-6842 (Copper-Gold)
Brass Ledge Mines, Inc.
Brass Ledge Mine
Josephine County, Oregon

Gentlemen:

A careful review of your application for financial assistance to explore the subject property and other information available to us indicates that the probability of disclosing significant reserves of copper and gold on your 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,

Harold Kirkemo
gla

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
OME Region I
Mr. Kirkemo
130

HKirkemo/bsl 5/5/71

MME Form 7
(2/63)

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Date	Surname	Code
5/5/71		120
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		220

May 5, 1971

Memorandum

To: The File

From: W. L. Emerick, Assistant Chief, OME

Subject: OME-6842 (Copper-Gold)
Brass Ledge Mines, Inc.
Brass Ledge Mine
Josephine County, Oregon

Justification for Denial of Application

The Applicant proposed to explore for extensions of a copper-bearing vein in a chloritic schist by diamond core drilling from surface sites and by rehabilitating and extending an old adit. Cost of the work was estimated to be $61,620.00.

Originally, the underground workings included three adits which were apparently driven to intersect downward projections of a vein. A small open pit has destroyed the uppermost of the three adits. Presently, the middle adit is caved at its portal and a lower adit is partially caved near its portal. An old map of the middle adit shows a narrow vein but no assays. There is no well-defined vein in the lower adit and neither wall rock nor structural features show promise of containing ore.

Ore in the small open pit occurs in two quartz veins about 4-1/2 feet thick separated by about 4 feet of barren rock and traceable only for a few feet because they either pinch out or are covered with debris. Samples from the vein in the open pit assayed nil gold, a trace to 0.1 ounces of silver per ton, and 0.49 to 2.44 percent copper. The underground workings were unsuccessful in finding ore and there is no assay data for them. The Field Officer found no rock worthy of sampling in the lower adit.

Two carloads of ore were shipped from the old upper adit in 1916, 91 tons of copper-bearing vein quartz from the open cut by another operator in 1960, and 60 tons were shipped from the open pit by the Applicant in 1970. Present appearances at the mine suggest that few if any reserves remain.

According to the Field Officer's appraisal the Applicant's planned drilling and underground work lacked objectives and were not well-defined, and unless there is more information found concerning the downward projection of the vein exposed in the open pit, there is no reason to rehabilitate and extend the lower adit. The Field Officer concluded from his field examination and all available data in the application that the probability of discovering significant reserves of ore by the proposed exploration was not favorable and therefore, he recommended denial of the application. I concur with his recommendation.

Harold Kirkemo

For William L. Emerick

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
Mr. Kirkemo

WLEmerick/bsl 5/5/71

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APR 28 1971

OFFICIAL COPY
O. M. E.
RECEIVED
APR 28 1971

INITIALS	CODE
Egb	130
GSL	120
HK	120

AIRMAIL

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Application Examination Report
OME-6842 (Copper-Gold)
Brass Ledge Mines, Inc.
Brass Ledge Mine
Josephine County, Oregon

OME Site Exam Report

INTRODUCTION

Brass Ledge Mines, Inc., an Oregon corporation, has applied for OME assistance to explore for extensions of a copper-bearing vein from which they have produced a small tonnage of ore by open-pit mining. Proposed work is to diamond drill from surface drill-sites and extend underground workings. The applicant estimates the total cost of the work to be $61,620.00, of which the Government would contribute 62-1/2 percent.

On Tuesday afternoon, April 6, 1971, I examined records in the Josphine County courthouse and learned that assessment work is up to date on the applicant's property. The following day I examined the property in company with Messers. Steve and Ernie McTimmonds. We spent about 3-1/2 hours at the property, during which I made a tape and brunton survey of parts of the property and collected five samples for assay.

RECOMMENDATION

I recommend that the application be denied. There is less than a fair chance that the proposed work will find a significant quantity of copper-bearing ore. Gold values are nil and silver values are very low in the vein material.

APPLICANT

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

Officers Include:

President: Dr. D. N. Cline
524 NE 6th Street
Grants Pass, Oregon 97526

Vice President: Steve McTimmonds
234 Lilac Lane
Grants Pass, Oregon 97526

Secretary-Treasurer: Larry E. Evans
Box 182 B
Rogue River, Oregon 97537

PROPERTY

The property includes 8 unpatented claims, most of which are in the NE¼ sec. 28, T. 34 S., R. 8 W., Galice Mining District, Josephine County, Oregon. The claims are recorded in the Josephine County courthouse, Grants Pass, Oregon, as follows:

Claim Name	Date Recorded	Book	Page	Proof of Labor recorded
Brass Ledge 1	5/1/68	74	323	8/24/70
Brass Ledge 2	5/1/68	74	325	8/24/70
Brass Ledge 3	7/25/70	76	605	
Brass Ledge 4	7/25/70	76	607	
Brass Ledge 5	7/25/70	76	609	
Brass Ledge 6	7/25/70	76	611	
Brass Ledge 7	7/25/70	76	613	
Brass Ledge 8	7/25/70	76	615	

The Brass Ledge 1 and Brass Ledge 2 claims were located by Steve McTimmonds and Gene L. Brown. Mr. McTimmonds told me that these two claims had been assigned to Brass Ledge Mines, Inc. The other six claims were located by Steve McTimmonds and Larry Evans for Brass Ledge Mines, Inc.

LOCATION AND ACCESSIBILITY

The claims are at an altitude of about 3500 feet on the south slopes of Mt. Peavine. A partially paved road leads to the Mt. Peavine Forest Lookout from Galice, Oregon, and crosses the southern part of the applicant's property. The mine workings are approximately 7 miles, via the lookout road, from Galice. Galice is about 12 miles from railhead at Merlin, a small community about 7 miles north of Grants Pass, Oregon.

Underground workings included three adits, all driven northeasterly. Open-pit mining destroyed the uppermost adit. The middle adit is caved near the portal. The lowest adit is partially caved near the portal and, on the day of the examination, contained water about 12 inches deep for the first 100 feet from the portal. The lowest adit was not timbered; apparently the ground stands well without timbering--the caving resulted from small spalling from the back that probably has occurred intermittently during the past 30 or 40 years. Only very lightweight track is in the lowest adit; no track is in the first 100 feet. Width of the lowest adit is generally less than 5° feet; rehabilitation would require widening the adit and laying track.

HISTORY

The Brass Ledge mine formerly was known as the Copper Eagle Mine (Parks and Swartley, 1916, p. 72). In 1916 there was a 400-foot long drift along the vein, and another drift, about 200 feet long was 120 feet lower. The application states that two train-car loads of ore were shipped by Mr. Al Love under the name of Beth Copper. Harry Commers of Grants Pass shipped 2 carloads of copper-bearing vein quartz to the Tacoma smelter in October, 1960 (Ore-Bin, p. 117). The ore reportedly averaged 5.9 percent copper, totalled about 91 tons, and came from an open cut above the upper tunnel.

The applicant reportedly shipped 60 tons of ore to Tacoma in 1970, but lost most of the fine-grained material through a partially-opened bottom on the gondola car. Payment was made for ore containing about 4 percent copper.

GEOLOGY

Ore at the Brass Ledge mine is in lenticular quartz veins bounded by iron-stained green chloritic schist. The schist is part of the Rogue Formation of late Jurassic age (Wells and Walker, 1953). Underground workings expose dark green to black serpentinized rock, also part of the Rogue Formation of late Jurassic age (Wells and Walker, 1953).

Parts of the veins are exposed in a small open-pit (Figure 1 - Composite plan, location, and index maps, Brass Ledge Mine, Sec. 28, T. 34 S., R. 8 W., Josephine County, Oregon). Two quartz veins, separated by about 4 feet of barren rock, are in the bottom of the pit. These veins, each about 4-½ feet thick, can be traced for only a few feet along strike as they either pinch out or are covered by broken waste rock. Apparently the veins strike northeasterly and dip about 65°S. A thin remnant of vein material is along the northwest face of the pit, about 60 feet northeast of the exposed veins in the bottom of the pit. Mr. Steve McTimmonds reported that there are other veins in the pit; the veins were not exposed however.

The two veins in the pit bottom assayed nil gold, trace to 0.1 ounce silver per ton, and 0.49 to 2.44 percent copper. The vein on the northwest face of the pit assayed nil gold, 0.2 ounces silver per ton, and 3.04 percent copper. The only ore mineral that could be recognized with certainty was chalcopyrite. Some dusty gray material might be secondary copper sulfides; the assay data suggest, however, that secondary copper sulfides, if present, are sparse.

The underground workings, apparently driven to intersect downward projections of the vein in the pit, were unsuccessful in finding ore. The old map of the middle adit, submitted with the application, shows a northeast-trending narrow vein, but there are no assay data. No well-defined vein is in the lowest adit; there are a few tiny quartz lenses and scattered speck of chalcopyrite(?). Siliceous rock with light-colored pyrite (?) is at the junction between the north and east branches of the adit. Sparse copper stain suggests that there are very few copper minerals present. No samples were taken for assay as none of the rock in the lowest adit seemed worthy of sampling.

None of the underground workings have penetrated to the downdip projection of the vein mined in the open pit (figure 1). It appears that the lowest adit should be extended about 100 feet northeasterly to explore for downdip projections of the vein.

APPLICANT'S PROPOSAL

The proposed exploration includes 2,000 feet of diamond drilling in holes averaging 150 feet long, and rehabilitating and extending the lowest adit for 400 feet. There were no maps of the proposed work in the application. The applicant's estimate of the cost of the work is $61,620.00.

It was learned from Mr. Steve McTimmonds that the holes were planned to be drilled on near horizontal angles northeastward from the bottom of the main cut. At least one hole would be drilled downward to explore an area near the branching lower adit northeasterly from a point at the intersection of the north and east branches of the adit.

Mr. McTimmonds did not think it would be wise to plan to drill several holes at near right angles to the trend of the zone containing the copper-bearing quartz veins. His reasons for this are somewhat obscure. Also, the objective of the planned underground work is not well-defined. Somehow, Steve McTimmonds thought that the work would develop ore reserves that will permit him to fulfill a contract for 100 tons of copper ore per day to be shipped to a nearby ore processing plant.

APPRAISAL OF PROPOSAL

The applicant considers his property to be a potential source of copper, gold, and silver; as such he thinks that OME should participate in 62-½ percent of the proposed exploration costs. The assay data, however, indicate no gold and only very low amounts of silver in the ore. It seems, therefore, that even under the most favorable of circumstances the property would not qualify for more than 50 percent participation by the Government.

The applicant's planned diamond drilling does not have much merit. Some of the proposed holes would intersect the projection of the ore-bearing zone at a very low angle and would give disproportionate thickness, even if the vein were cut by the drill holes. The near vertical hole to explore near the face of the lowest adit doesn't have a well-defined objective; too, this hole, if successful, would cut the projection of the vein at a low angle. It would be very difficult to measure any indicated ore found by the drilling.

There is no reason to rehabilitate and extend the lowest adit unless more information is found concerning the downward projection of the vein now exposed in the main pit. The wall rock and structural features in the adit show little promise of containing ore.

Perhaps there is a shear zone crossing the applicant's property in which lenticular masses of copper-bearing quartz can be found. The vein in the pit and the vein exposed in the trench south of Little Rock creek (figure 1) might be part of the same zone. There is considerable topographic relief in the area surrounding the main pit and careful search of the slopes might find evidence of ore-bearing material. That such evidence has not been found since the mine was first opened, more than 50 years ago, suggests that the ore-bearing pods are small and widely separated.

CONCLUSIONS

Assay data from vein material and selected specimens of ore indicate that the ore does not contain gold and only very low amounts of silver. Copper ranges from less than 1 to as much as 14 percent. The vein has been a source for about 150 tons of shipping ore; few, if any, reserves remain unmined. Search for additional ore-bearing pods along the projections of the known veins might be successful in finding a few hundred tons of ore. The exploration planned by the applicant has less than a fair chance of finding a significant quantity of copper-bearing ore. The application should be denied.

REFERENCES CITED

The Ore-Bin, Nov., 1960: Oregon Dept. of Geol. and Mineral Ind. v. 22, pp. 109-118

Parks, H. M., and Swartley, A. M., 1916, The mineral resources of Oregon: Oregon Bur. of Mines and Geology, V. 2, No. 4, 306 p.

Wells, F. G., and Walker, G. W., 1953, Geology of the Galice Quadrangle: U. S. Geol. Survey GQ-Map 25

Willard P. Puffett

Willard P. Puffett

Enclosure:

Figure 1 - Composite, plan, location, and index maps, Brass Ledge Mine, Sec. 28, T. 34 S., R. 8 W., Josephine County, Oregon.

INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Show to whom, date, and address where delivered ☐ Deliver ONLY to addressee

(*Additional charges required for these services*)

RECEIPT

Received the numbered article described below.

REGISTERED NO. 500068

CERTIFIED NO.

INSURED NO.

DATE DELIVERED 5/3/78

1 SIGNATURE OR NAME OF ADDRESSEE (*Must always be filled in*)

Willard Duffett

2 SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

W R Carlson

3 SHOW WHERE DELIVERED (*only if requested*)

c55—16—71548-10 GPO

POST OFFICE DEPARTMENT
OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

POSTMARK OF DELIVERING OFFICE

SPOKANE WA MAIN OFFICE STA
MAY 3 1971
USPO

INSTRUCTIONS: Show name and address below and complete instructions on other side, where applicable. Moisten gummed ends, attach and hold firmly to back of article. Print on front of article *RETURN RECEIPT REQUESTED.*

RETURN TO

NAME OF SENDER
Office of Minerals Exploration
U. S. Geological Survey

STREET AND NO. OR P.O. BOX
Department of the Interior Bldg.
Room 4459

POST OFFICE, STATE, AND ZIP CODE
Washington, D. C. 20242

POD Form 3811 Apr. 1967 c55—16—71548-10

MME Form 7
(2/63)

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Date	Surname	Code
4/27/71	(on leave)	120
	Emerick	120
4/28	cal	220
		120M

APR 28 1971

AIRMAIL
CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Memorandum

To: Field Officer, Region I

From: Assistant Chief
Office of Minerals Exploration

Subject: Application Examination Report
OME-6842 (Copper-Gold)
Brass Ledge Mines, Inc.
Brass Ledge Mine
Josephine County, Oregon

Enclosed are three copies of the application examination report on the subject docket. Please sign the enclosed original copy of the last page and return it to this office.

Your draft copy of the report is returned herewith.

William L. Emerick

William L. Emerick

Enclosures

cc: Director's ReadingFile
Mineral Resources File
OME Docket
OME Reading File
Mr. Emerick
130

WLEmerick/bsl 4/28/71

United States Department of the Interior

GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
W. 920 Riverside Ave.
Spokane, Wash. 99201

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 31 1971
INITIALS | CODE
Jen / 30
Fed / 20
AK / 20

March 29, 1971

Memorandum

To : Chief, Office of Minerals Exploration

From : Field Officer, Region I

Subject: Preliminary appraisal new application (Cu, Au, Ag)
Brass Ledge Mines, Inc.
Brass Ledge Mine
Josephine County, Oregon

The cited application was forwarded to you on Friday, March 26, 1971, with only a short note attached. I didn't want to delay action on the application for it is more complete and better documented than most of the applications we receive. This appraisal is only to comment on the merits of the proposed work and to indicate items that should be discussed during a field examination.

Proposed diamond drilling is from in and around an existing open pit. Hole length will average about 150 feet; the maximum length is 300 feet; and the aggregate is 2,000 feet. Time required for this work, including site preparation and moves between holes, is 86 days. Bids from three contractors are included in the application.

Proposed underground work is to rehabilitate and extend the lowest of three adits. Preparatory work will include laying track some 400 feet to the face. Drifting will extend the adit 400 feet. It is proposed that this work will be contracted to Amrac Mines, Inc., of whom Steve McTimmonds is President. Mr. McTimmonds is also Vice-President of Brass Ledge Mines, Inc. There are no bids from other contractors for the underground work. During a field examination more should be learned from Mr. McTimmonds regarding the basis for the costs of the underground work. The costs in the application seem a little high but might not be unreasonable if more supporting cost data can be obtained.

The application includes some good evidence that copper ore is present at the Brass Ledge mine. No detailed geologic maps are in the application, however, and mapping should be done on a field examination. Two maps were included with the report by Lloyd Frizzell of Associated Geologists, but they are lacking in geologic detail. The only copies of

Frizzell's maps were sent to your office but, hopefully, I can obtain other copies from the applicant at the time of the field examination. Mr. R. N. Appling, U. S. Bureau of Mines, who is now stationed in Spokane, visited the property in 1955 and mapped part of the middle adit; his map might be available for inspection.

The application is fairly well detailed and does include a lot of factual data concerning past production and assay data of recent sampling. The Galice Quadrangle map was submitted with the application, but I did not forward it. More detailed geologic mapping and more supporting data for the costs of underground work should be obtained during a field examination. Whether an OME contract can be considered will depend on the relative size and copper content of the indicated ore body.

Willard P. Puffett

Willard P. Puffett

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/30/71		120
3/30	cc	220
		120M

AIRMAIL

MAR 30 1971

Memorandum

To: Field Officer, Region I

From: Chief, Office of Minerals Exploration

Subject: OME-6842 (Copper-Gold)
Brass Ledge Mines, Inc.
Brass Ledge Mine
Josephine County, Oregon

The subject application is referred to you for review, a field examination if warranted, and your recommendations.

We have not questioned the Applicant about a number of problems with which we would be concerned in the event you recommend a contract. Where are the claim locations recorded, and is the assessment work up to date? Though Carl Olson presumably has a 49 percent interest in the company, what is his position? Can he overrule the other shareholders?

The Applicant states that its share of exploration capital will be furnished by private financing. We would need specific assurance that funds would be available to finance the Operator's share of the cost in the event of a contract. The information submitted does not offer any assurance.

The estimated costs are much too high, particularly the services for Associated Geologists. There are no details in the drilling bids such as prices on various sizes (diameters) of drill holes, cementing, casing, etc. Portal repair costs may be excessive and the per-foot cost for drifting seems high, but perhaps this is the average price in the district. Accounting and office expenses at $150.00 per month are certainly too high. Liability and workmen's compensation at $3,000.00 is not supported by data on payroll deductions.

As you noted, no exploration plan* was submitted. We are asking the Applicant to furnish us with the two maps, and we are enclosing the set accompanying the application for your use.

If the geology of the deposit is as described, planning exploration for lenses of ore in these rocks and structures will pose a problem.

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
Mr. Kirkemo
130

Enclosures

Harold Kirkemo
gla

Harold Kirkemo

*(i.e., exploration plan was not shown on map)

HKirkemo/gla 3-30-71

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
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		220
		120M

MAR 30 1971

AIRMAIL

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

Re: OME-6842 (Copper-Gold)
Brass Ledge Mines, Inc.
Brass Ledge Mine
Josephine County, Oregon

Gentlemen:

The application for assistance in exploring the subject property has been reviewed by the Washington office and referred to Mr. Willard P. Puffett, Field Officer, Region I, Office of Minerals Exploration, U. S. Geological Survey, U. S. Courthouse, Room 656, West 920 Riverside Avenue, Spokane, Washington 99201.

Would you please furnish us with a second copy of the two maps submitted with your application. The one copy already submitted has been sent to the Field Officer. Also a specific plan of exploration should be shown on maps and cross sections as required by Item 5. Exploration Work in the application form.

Mr. Puffett will notify you if he requires additional information concerning the application and possibly to make arrangements for an on-site examination of the property.

Sincerely yours,

Harold Kirkemo/gla

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
OME Region I
Mr. Kirkemo

HKirkemo/gla 3-30-71

March 29, 1971

Brass Ledge Mines, Inc.
235 Lilac Lane
Grants Pass, Oregon 97526

Subject: OME - 6842

Gentlemen:

Your application for exploration assistance, dated March 23, 1971, submitted to our office at Spokane, Washington, has been assigned Docket No. OME-6842.

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

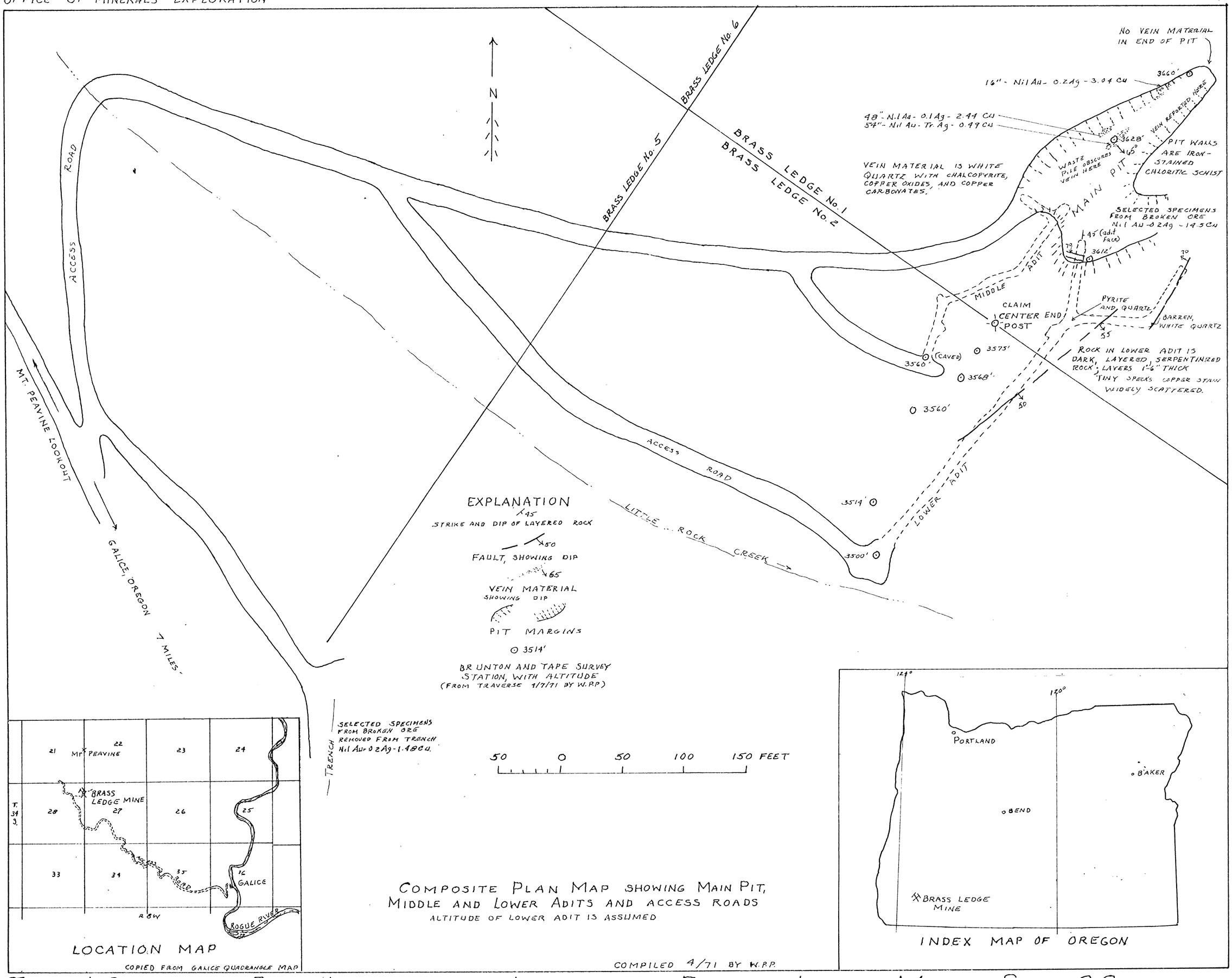
Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copy to Region I

U.S. GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

OME 63 42 (COPPER-GOLD)



COMPOSITE PLAN MAP SHOWING MAIN PIT, MIDDLE AND LOWER ADITS AND ACCESS ROADS
ALTITUDE OF LOWER ADIT IS ASSUMED

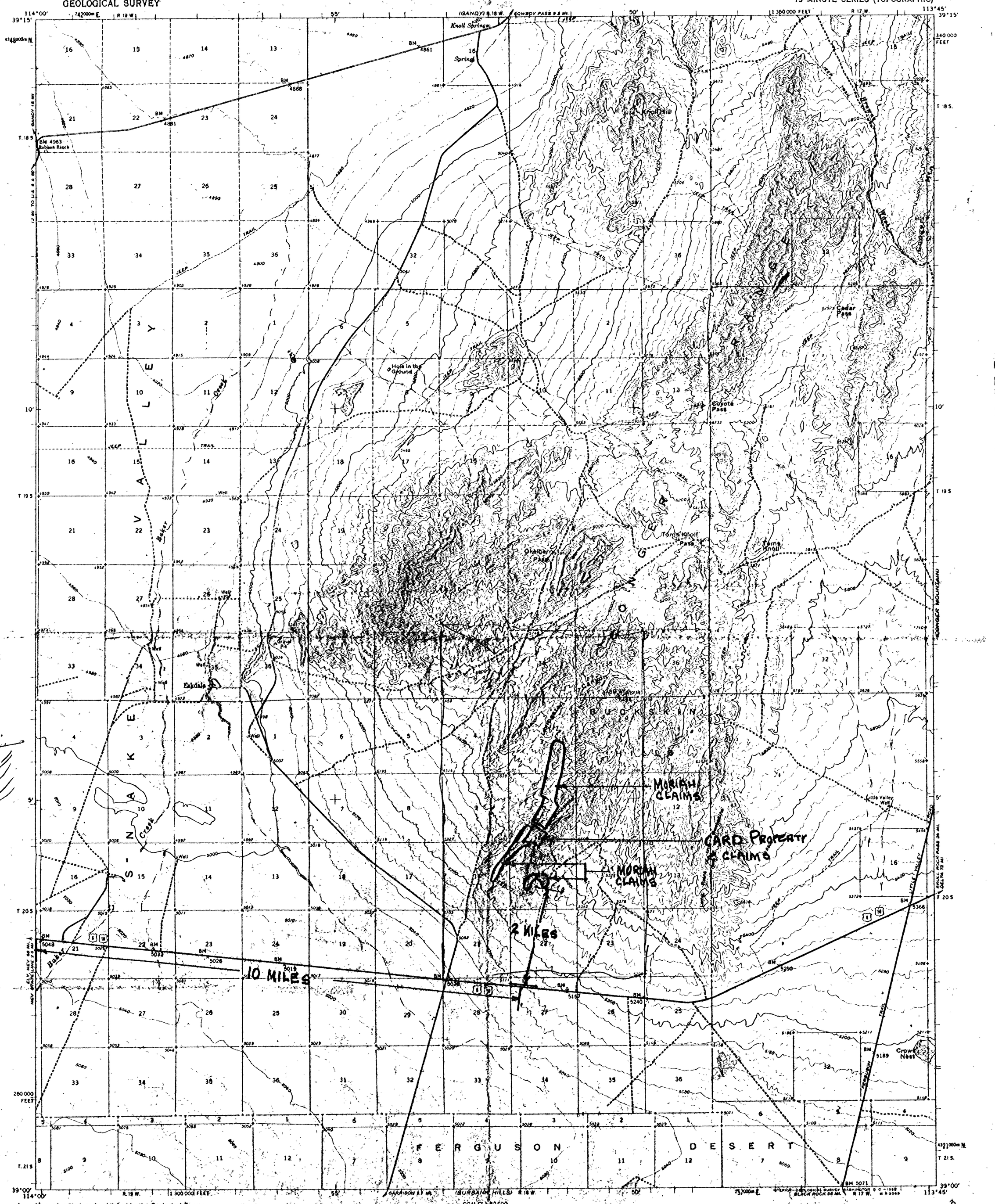
COMPILED 4/71 BY W.P.P.

FIGURE 1 - COMPOSITE PLAN, LOCATION, AND INDEX MAPS, BRASS LEDGE MINE, SEC. 28, T. 34 S., R. 8 W., JOSEPHINE COUNTY, OREGON

EXHIBIT 3a

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CONGER RANGE QUADRANGLE
UTAH–MILLARD CO.
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1953 and planetable surveys 1960

Polyconic projection. 1927 North American datum
10,000-foot grid based on Utah coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Dashed land lines indicate approximate locations
Where omitted, land lines have not been established

SCALE 1:62 500

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1960

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty — Light duty
Unimproved dirt
U. S. Route

CONGER RANGE, UTAH
N3900—W11345/15
1960