DMEA Form 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA Docket No. 4535

DO NOT DETACH THIS SLIP

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Routing Slip

To:	500	Date	11-5-56
To:	Q.B. Comm	Date	11/20/56
To:	F.E. Johnson	Date	11-21-56
To:	Base Metals	Date	11/23/56
To:	130	Date	1/17/57
To:	110	Date	1-18-57
To:	100	Date	1-18-57
To:	225	Date	1-18-57
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

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DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4535

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓ Application and attachments
(3) ✓ Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

D M E A

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED NOV 5 1956 D.M.E.A.

1605 Evans Avenue
Reno, Nevada

November 1, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Lead-zinc)
August Chopp and Robert H. Allsop (partners)
Minnietta Group
Inyo County, California

Attached are three sets of MF-103, Application for Aid forms relative to above subject. The fourth set has been retained in our files.

Also attached is one copy Option Agreement.

R. M. Smith

R. M. Smith
Acting Executive Officer
DMEA Field Team, Region II

Attach.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 4535
Metal or Mineral Lead-Zinc
Date Received 11/5/56 11-50-56
Estimated Cost $137,204
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: AUGUST CHOPP, 1640 West 147th Street, Gardena, California
ROBERT H. ALLSOP, 942 Carson Street, Barstow, California
will operate as partners until conveyed to corporation if this seems necessary

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Lease and option on five (5) unpatented lode mining claims and one millsite situated in Modoc or Lookout Mining District, Inyo County, California, known as the Minnietta Group. Names and recording data in Lease and Option furnished herewith.

(*b*) State any mine name by which the property is known. The Minnietta Group.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise mining lease and option to purchase (copy furnished).

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property. attached.

(*e*) If you own the land, describe any liens or encumbrances on it See above.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Is in the lease.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. Shown on map.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. Check with U. S. Bureau of Mines, Economic

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. Described by the California Division of Mines, examined by the A. S. & R. Favorable report.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. A paved road to Trona, 43 miles away.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. Separate Sheet.

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Lead and zinc.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. Drifting, raising, and crosscutting, as shown by map.

(*c*) The work will start within 10 days and be completed within 20 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. Attached.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: Separate sheet

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.). Only bull dozing work - separate sheet.

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. See 4 (e) sheet.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. Attached, separate sheet.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be. Separate sheet.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. None

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project. None.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

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.

Dated October 27, 1960

August Chopp (Applicant)

By Robert H. Allsop

Robert H Allsop

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

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Answer to 5 (d):

Following is the mining experience of the two applicants:

(1) AUGUST CHOPP has had 35 years experience in exploration, mining and highway work. In Minnesota worked for the Pickett Mining Company and Oliver Mining Company, both subsidiaries of U. S. Steel Co. Also mined in Canada, South Africa, and South America. For the past eight years has been self-employed in mining.

(2) ROBERT H. ALLSOP has had 22 years experience, contract leasing and mining operations for himself; also has been employed by the Combined Metals Corporation (in which Mr. Snyder and Allen Hoover are interested), in both Nevada and Central America.

4 (e) Working two 8 hour shifts. Water on the property. Diesel engine for power. August Chopp and Robert H. Allsop, applicants will supervise, calling in a consultant engineer every so often. Miners and muckers are available in the vicinity.

The operator will furnish all equipment. Compressor (rental basis) $2.50.

Drills:	
Jack-leg	$650.00
Stoper	550.00
Air & water hose	96.00
Air line	960.00
Water line	480.00
Mine rail, spikes, fishplates, etc.	2600.00
3 Mine cars	400.00
1 Mucking machine	6000.00
1 1/2 ton pickup truck	2900.00
Tools	500.00
Total	$15186.00

6. Drifting--The work will comprise the driving of 1,050 feet of drift, 825 feet of crosscutting to the Darwin fault. All of the drifting has been estimated at the same price as the rehabilitation of 300 feet of the old drift will cost as much as the new work contemplated. The new drift will be continued another 250 feet to crosscut the Darwin fault. At a location 450 feet from the portal drifting will be continued along the Darwin fault for a distance of 500 feet to determine possible mineralization along the fault. A crosscut is planned 300 feet from the portal to investigate mineralization below the old workings of Jack Gunn. 475 feet of crosscutting is planned at a location approximately 275 feet from the portal. 250 feet of crosscutting is planned to intersect the Darwin fault and explore for possible extensions of mineralization under the old surface workings.

At a location approximately 250 feet along the proposed Darwin drift a 525 foot raise is planned to surface for exploration and ventilation.

6(a) To remove part of the cow shed dump for the purpose of lowering the grade for entry into old Adit on the property. It is estimated that cost for this work will be $860.00, broken as follows:

40 hrs. bull dozer work @ $14.00 per hr.	$560.00
Transportation of bull dozer to job-hauling to property and back to destination.	300.00
Preparation cost to underground work	$860.00

6(b) Drifting and crosscutting and raising: Total 2400 ft., 5-day week, 6 feet per day = 400 days = 20 months. Miners, $2.50 per hour, Mucker, $2.25 per hour = broken down per foot.

	Miners and Muckers	$23.33
per/ft	Insurance, Social Security tax, etc. 12%	2.68
"	Powder, fuse, and detonators	6.66
"	Timber	6.00
"	Compressor supplies	1.53
"	Steel and bits	3.00
"	Repairs	1.50
"	Engineering, accounting, etc.	2.50
"	Supervision	5.00
"	Depreciation	2.11
"	Rental on Compressor	2.50
	Total	$56.81

Total cost of project for 20 months, total of 2400 ft. = $137,204.00.

EQUIPMENT AND SUPPLIES OWNED BY OPERATORS

2000	lineal feet	20#	rail
1600	lineal feet	16#	rail
1200	lineal feet	7#	rail
2	only	1 ton cars	
2	only	3/4 ton cars	
1	only	1 ton skip	
1	only	2 ton hoist complete with cable	
1	only	110 cu ft portable compressor	
650	feet	2 in	pipe
200	feet	2 in	hose
800	feet	1 in	pipe
1500	feet	3/4 in	water pipe
2	only	3000 gal.	water tanks for drilling
1	only	105 ton	bunker
1	only	60 ton	bunker
1	only	30 ton	bunker
1	only	550 ft.	Aerial Tram - Gravity feed
1	only	2 ton	powder magazine
1	only	1/2 ton	truck - 1956 Chevrolet

Camp

one mess hall and living quarters
bunk-house with showers
one cabin with running water
water tanks with 10,000 gal. capacity
water rights in Thompson Canyon
2 1/2 miles of 1 1/2 & 2 inch pipe

Transportation:

43 miles to railroad at Trona
5 miles improved gravel road to paved highway
38 miles of paved road

about 5000 tons of ore - semi-developed
running 10% & 15% in lead
5% to 10% in silver.

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OPTION AGREEMENT

THIS AGREEMENT, Made and entered into this 25th day of October, 1956, by and between ROSS FINLEY, TOM VIGNICH, and BENJAMIN EYER, parties of the first part, and AUGUST CHOPP and ROBERT H. ALLSOP, parties of the second part,

W I T N E S S E T H :

WHEREAS, first parties are in possession of five (5) unpatented lode mining claims and the mill site, situated in Modoc or Lookout Mining District, in Inyo County, California, the group being generally known as the Minnietta Group and more particularly described as follows:

Name of Claim	Recorded	Book	Page
ST. ARTHUR	May 1, 1893 May 29, 1925	6 26	205 139
ST. JOHN	May 1, 1893 May 29, 1925	6 26	204 137
ST. CHARLES	November 22, 1917 May 29, 1925	22 26	65 140
HELEN G.	February 13, 1896 December 24, 1917	B 26	151 139
DIVIDEND	February 13, 1896 December 24, 1917	B 26	150 141
ST. JOHN MILL SITE	August 24, 1885 May 29, 1925	B C	172 213

pursuant to an agreement in writing dated the 10th day of January, 1948, by and between Helen M. Gunn, of Independence, California, as first party, and Ross Finley and Tom Vignich, as second parties, copy of which agreement is attached hereto, marked Exhibit "A", and by reference incorporated herein the same as though repeated at length; and

WHEREAS, first parties have faithfully kept and performed all and singular the terms and conditions of said agreement attached hereto as Exhibit "A"; and

WHEREAS, first parties have located other unpatented

mining claims in the County of Inyo, State of California, in the vicinity of the mining claims hereinbefore described, which claims are not covered by the agreement attached hereto as Exhibit "A" and are more particularly described as follows, to-wit:

Name of Claim	Recorded	Book	Page
EASTERN STAR #1	Inyo County, Calif.	59	401
EASTERN STAR #2	"	64	148
EASTERN STAR #3	"	64	149
EASTERN STAR #4	"	64	150
EASTERN STAR #5	"	64	151
EASTERN STAR #6	"	64	152
EASTERN STAR #7	"	64	153
EASTERN STAR #8	"	64	154
EASTERN STAR #9	"	64	155
EASTERN STAR #10	"	64	203
EASTERN STAR #11	"	64	204
EASTERN STAR #12	"	64	205
LOST KEY	"	64	136
CHUCKAWALLA	"	64	138
CACTUS	"	64	139
CARBONATE	"	64	140
MARY ANN	"	64	141
LEAD KING	"	64	142
NANCY L.	"	64	143
DESERT ROSE	"	64	144
PANAMINT	"	64	145
KAREN	"	64	146
CALIRA PURO	"	64	147
SUNSET	"	64	137
KAY	"	64	240
KAY FRACTION	"	64	474;

and

WHEREAS, first parties are the owners of certain mining equipment and camp equipment heretofore used by them in the conduct of mining operations on said mining claims, including three (3) ore cars, one (1) lot of pipe, hand tools, three (3) bunkers, aerial tram, three (3) tanks, Wedgewood gas range, refrigerator, hot water heater, oil heating stove, cots, and beds; and

WHEREAS, it is the desire, intent and purpose of the parties hereto by this agreement that parties of the first part grant unto second parties the exclusive right, option and privilege to receive an assignment of the agreement and lease, copy of which is attached hereto as Exhibit "A", and to purchase all and

singular the mining claims last hereinabove described, together with the items of personal property used in connection with the conduct of mining operations as hereinbefore described;

NOW, THEREFORE, in consideration of the premises and in further consideration of the payments to them to be paid and the terms, covenants and conditions hereinafter set forth, all on the part of second parties to be kept, paid, observed and performed, first parties do hereby grant unto second parties the exclusive right, option and privilege to receive an assignment of said agreement, copy of which is attached hereto as Exhibit "A", and to purchase the mining claims herein last described, together with the items of personal property herein mentioned, for the sum of Twenty thousand dollars ($20,000.00), subject, however, to the following terms, conditions, agreements and provisions, to-wit:

1. The term of this option shall be deemed to have commenced as of the 25th day of October, 1956, and shall continue for a term of sixty (60) days only, to expire and terminate as of the 25th day of December, 1956. Should second parties fail, neglect or refuse to exercise the option hereby granted within the term aforesaid, then and in that event this agreement shall become null, void, and of no further force and effect between the parties for any purpose whatsoever.

2. Should second parties desire to exercise their option to purchase on or before said 25th day of December, 1956, then and in that event they shall so notify first parties, and immediately upon such notification pay unto first parties the sum of Five thousand dollars ($5,000.00) towards a total purchase price of Twenty thousand dollars ($20,000.00). The balance of Fifteen thousand dollars ($15,000.00) shall be payable as follows:

(a) The sum of Five thousand dollars ($5,000.00) on or before the 25th day of January, 1957; and

(b) The sum of Ten thousand dollars ($10,000.00) on or before the 25th day of April, 1957.

Should second parties fail, neglect, or refuse to pay any of the payments toward the purchase price as herein provided, in the event of an election to purchase pursuant to this agreement, then and in that event this agreement shall become null, void, and of no further force and effect, and first parties may re-take possession of all and singular the mining premises and personal property constituting the subject matter of this agreement, and shall further be entitled to a re-assignment of the agreement, copy of which is attached hereto as Exhibit "A".

3. It is the understanding, stipulation and agreement of the parties that second parties intend and expect to make application through the Defense Mineral Exploration Administration for a loan to enable them to operate the mining premises which are the subject of this agreement, and first parties hereby covenant and agree that they will cooperate with second parties and execute such further agreements and instruments as may be necessary or required in connection with application for said loan.

4. It is hereby understood, stipulated and agreed that the total sum of Seventeen thousand six hundred eighty-eight dollars and twenty-two cents ($17,688.22) has been paid by first parties to apply on the purchase price of the mining premises which are the subject of the agreement attached hereto as Exhibit "A", and that said agreement is as of the date hereof in full force and effect. It is further stipulated that Helen M. Gunn, first party under said agreement of January 10, 1948, has consented to the assignment of said agreement to second parties,

copy of which consent is attached hereto, marked Exhibit "B", and by reference incorporated herein. It is the understanding and agreement of the parties that the assignment of said agreement unto second parties pursuant to the terms and provisions of this agreement shall be a conditional assignment until such time as the entire purchase price of Twenty thousand dollars ($20,000.00) aforesaid has been fully paid by second parties unto first parties. It is further the understanding, stipulation and agreement of the parties that the sum of Twenty thousand dollars ($20,000.00) recited herein as the purchase price to be paid unto first parties does not include any payment whatsoever against the purchase price provided to be paid unto the said Helen M. Gunn by the terms and provisions of the agreement attached hereto as Exhibit "A", and second parties hereby covenant and agree in the event of such assignment to faithfully perform all and singular the conditions and provisions of said agreement, to the end and purpose that no claim thereunder shall be made against first parties. It is further the understanding of the parties that minimum royalties shall be paid by second parties unto the said Helen M. Gunn in the amount of One hundred twenty-five dollars ($125.00) per month and not One hundred dollars ($100.00) per month as recited in the agreement attached hereto as Exhibit "A".

5. Should second parties take possession of the mining claims which are the subject of this agreement, or conduct exploration or mining operations thereon, then and in that event first parties shall be permitted to post and record notices of non-responsibility in the manner provided by law.

6. Notices, demands and communications shall be deemed validly served and given when deposited in a United States Post Office by registered or certified mail, with postage thereon fully prepaid, and if intended for first parties to be directed to each of them as follows:

Ross Finley
Panamint Springs, via
Lone Pine, California

Tom Vignich
c/o Ross Finley
Panamint Springs, via
Lone Pine, California

Benjamin Eyer
c/o Ross Finley
Panamint Springs, via
Lone Pine, California,

or such other place or address as they, or any of them, may designate, and if intended for parties of the second part to be directed to each of them as follows:

August Chopp
1640 West 147th Street
Gardena, California

Robert H. Allsop
942 Carson Street
Barstow, California,

or such other place or places as they, or either of them, may designate, and the date appearing upon the registered mail or certified mail receipt shall be deemed prima facie evidence of the date upon which such service was made.

IN WITNESS WHEREOF, the parties hereto have executed this agreement in quintuplicate the day and year first above written.

Ross Finley
Ross Finley

Tom Vignich
Tom Vignich

Benjamin Eyer
Benjamin Eyer
PARTIES OF THE FIRST PART

August Chopp
August Chopp

Robert H Allsop
Robert H. Allsop
PARTIES OF THE SECOND PART

STATE OF CALIFORNIA)
) ss.
COUNTY OF INYO)

On this 25th day of October, 1956, before me, the undersigned, a Notary Public in and for said County and State, personally appeared ROSS FINLEY, TOM VIGNICH, BENJAMIN EYER, AUGUST CHOPP, and ROBERT H. ALLSOP, known to me to be the persons whose names are subscribed to the within and 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.

Mary F Tinsley

Notary Public in and for the
County of Inyo, State of California

My commission expires August 12, 1960.

EXHIBIT "A"

AGREEMENT

THIS AGREEMENT, made and entered into this 16th day of January, 1969, by and between ERLIN M. COX, of Independence, California, hereinafter referred to as the first party, and ROSE FAILLY of Bishop, California and IRA TENNION of Bishop, California, hereinafter referred to as second parties,

WITNESSETH:

Whereas, first party is the owner, subject only to the paramount title of the United States, of all those certain mines, mining claims, mining locations, amended locations, millsites, pipelines and water rights, commonly known as the Mandalite Group of Mining Claims and the Gem water rights and pipelines, situated in the Redes or Lookout Mining District, in the County of Inyo, State of California, described as follows, to-wit:

> 30. Arthur Mine, according to the location certificate thereof recorded May 1st, 1933 in Volume 9 of Land, Water and Mining Claims, at page 203, Inyo County Records, and amended location certificate recorded May 29th, 1933, in Volume 26 of Amended Location Certificates, at page 130, Inyo County Records;
>
> 31. John Mine, according to the location certificate thereof recorded May 1st, 1933, in Volume 9 of Land, Water and Mining Claims, at page 204, Inyo County Records, and amended location certificate recorded May 29th, 1933, in Volume 26 of Amended Location certificates, at page 137, Inyo County Records;
>
> 32. Charles Quartz Mining Claim, according to the location certificate thereof recorded November 22nd, 1917, in Volume 22 of Mining Locations, at page 68, and amended location certificate recorded May 29th, 1933, in Volume 26 of Amended location certificates, at page 140, Inyo County Records;
>
> Helen G. Mine, according to the location certificate thereof recorded on February 13th, 1933, in Volume 8, page 181, records of Rhodes Mining District, Inyo County, California, and subsequently filed for record in the office of the county recorder of Inyo County, California, on December 24th, 1917, and amended location certificate recorded May 29th, 1933, in Volume 26 of Amended Location Certificates, at page 133, Inyo County Records;

Dividend Mine, according to the location certificate thereof recorded on February 13th, 1896, in Volume B, page 150, records of Modock Mining District, Inyo County, California, and subsequently filed for record in the office of the county recorder of Inyo County, California, on December 24th, 1917, and amended location certificate recorded May 29th, 1923, in Volume 28 of Amended Location Certificates at page 141, Inyo County Records;

St. John Mill Site, recorded August 24th, 1905, in Volume E of Land, Water and Mining Locations, at page 172, Inyo County Records, and recorded May 29th, 1923, in Volume O of Land and Water Claims, at page 218, Inyo County Records;

Together with all the dips, spurs and angles, and also all the metals, ores, gold and silver, lead and copper, and other mineral bearing quartz, rock, earth, and tailings, and kindred mineral substances therein; and all the rights, privileges and franchises thereto incident, appendant and appurtenant or therewith usually had and enjoyed; and also all and singular the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining, the rents, issues and profits thereof; and also all the estate, right, title, interest, property, possession, claim and demand whatsoever, as well in law as in equity of the said Vendor of, in and to the said premises and every part and parcel thereof, with the appurtenances, including buildings, mill and mining equipment, pipelines, water rights, situate thereon or heretofore or now used in connection therewith, and particularly all the right of said Vendor to take, have and use the waters from the Thompson Canyon Springs and the Jack Gunn Spring, also known as Modoc Spring, heretofore and now conveyed to the above described mining property through pipe lines heretofore and now leading from said springs to said property, all commonly known and designated as the Gunn Water rights and pipeline.

Whereas, second parties are desirous of purchasing said mining claims, mining locations, amended locations, millsite, pipelines and water rights.

NOW, THEREFORE, for and in consideration of the sum of One Hundred Dollars ($100.00), lawful money of the United States, in hand paid by second parties to said first party, the receipt whereof is hereby acknowledged, the said first party hereby gives

and grants unto the second parties the exclusive option to purchase the above described mines, mining claims, mining locations, amended locations, millsite, pipelines and water rights for the total purchase price of One Hundred Thousand Dollars ($100,000.00), including said sum of One Hundred Dollars ($100.00) paid herewith as consideration for this option, said sum of One Hundred Thousand Dollars payable as follows:

Said sum of One Hundred Dollars payable upon the execution of this agreement;

A royalty of ten percent (10%) upon all ores and concentrates extracted and shipped or sold from the premises, the rate and amount of which is to be determined by the net recovered value of the ore. Said royalties are due and payable on the 15th day of each calendar month hereafter, commencing on the 15th day of February, 1948. It is further agreed and provided that the minimum royalty for any calendar month shall be the sum of One Hundred Dollars and that if during any calendar month less than the sum of One Hundred Dollars shall have accrued to the first party by way of royalties from ores or concentrates extracted and shipped or sold then the difference between the amount so accrued and said sum of One Hundred Dollars shall, nevertheless, be paid to first party by the second parties. All said payments upon the purchase price are payable at Bank of America National Trust and Savings Association, Lone Pine Branch thereof, and are to be deposited in said bank by second parties to the credit of first party.

First party agrees to make and execute a good and sufficient deed to said mines, mining claims, mining locations, amended locations, millsite, pipelines and water rights to second parties, and to place the same with the Bank of America, National Trust and Savings Association at Lone Pine, California with instructions to said bank that the said deed together with this agreement shall be delivered to said second parties upon receipt by said bank of the full purchase price hereinabove agreed upon by the parties

hereto.

Said second parties agree to make and execute and to cause the wife of second party, Ross Finley, to make and execute a quit claim deed to said mining claims, conveying to first party all of second parties' right, title and interest to said mines, mining claims, mining locations, amended locations, millsite, pipelines and water rights, by reason of this or any other agreement or contract of any nature whatsoever and to deliver the said deed to said Bank of America, National Trust and Savings Association, at Lone Pine, California, to be placed with said bank with instructions that in the event that second parties fail to make said payments at the time and in the manner hereinabove agreed to be made, said bank shall deliver to first party or her authorized agents or attorneys upon written demand by either of them the deed so executed by said second parties and the wife of said second party, Ross Finley.

It is mutually agreed by the parties hereto that the deed hereinabove referred to will be made, executed and delivered to said bank upon the execution of this agreement.

It is further mutually agreed that first party shall have the right to use and occupy that certain cabin located on the aforesaid St. John Millsite until such time as second parties shall have paid the above purchase price in full.

Said second parties further covenant and agree to do and perform all the following covenants and/or agreements during the remainder of the life of this agreement:

(A) That they will pay or cause to be paid all state and county taxes that may be levied or assessed against the said premises, buildings, structures, improvements or fixtures situate upon any of said mining claims, mining locations, amended locations, millsite, pipelines and water rights, whether the said buildings, structures, improvements or fixtures be the ones now

situated upon the said property, or whether they be the ones to be constructed and erected by the second parties, beginning with the tax year of 1948-1949, and to deliver to said first party, her agents and/or her attorneys in fact, paid tax bills at least fifteen days before such taxes become delinquent.

(B) That they will do or cause to be done the necessary yearly assessment work upon all of said mining claims, mining locations, amended locations, millsite, pipelines and water rights, beginning with the assessment year 1947-1948, and prepare, make and record the affidavit of the performance of such work, said affidavit to show that said work was done for said first party, and to be recorded not later than the 5th day of June of the following assessment year.

(C) That they will cause all workmen working in or on said mining claims, mining locations, amended locations, millsite, pipelines and water rights to be fully covered with industrial insurance in manner and form required by the statutes of the state of California, so as to hold and save the said first party and the property herein described from all liability for any injury received by any of said workmen.

(D) That during the life of this agreement they will not do any act or thing which would cause mechanics' or other liens to be placed against said property, or any part thereof. Said second parties further agree that the said first party or her agents shall have the privilege at all times during the life of this agreement of causing to be posted, and of keeping posted in a conspicuous place or places on said mining premises a notice in writing, reading to the effect that the work of developing and mining on said premises and any improvements thereon, are being done wholly and solely at the expense of the said second parties, and stating that the said first party will not be responsible for indebtedness for labor, material or at all, created by the said second parties in connection with the work and operation of said property during the existence of this agreement.

Said second parties further agree that they will keep all notices placed on said premises by said first party posted and that the same shall not be disturbed or removed by them.

(E) That all work done by the said second parties and all improvements put thereon by him shall be done in a good and workmanlike manner and mine fashion and at the sole cost and expense of the said second parties.

(F) That all tunnels, drifts, shafts and winzes now on the premises or hereafter to be built, constructed or dug by them, are to be kept in good order and repair at the cost of the said second parties, reasonable wear and tear excepted. That they will well and sufficiently timber said mine at all points where proper, and repair all old timbering wherever it may become necessary and that they will allow said first party or her agents to enter upon and into all parts of said premises and the underground workings of the same for the purpose of inspection. That they will keep at all times the drifts, shafts, tunnels and other passages and workings of said premises thoroughly drained and clear of loose rock and rubbish of all kinds.

(G) Upon the termination of this agreement for any cause, the second parties shall have the right at any time within thirty (30) days thereafter to remove any and all buildings, equipment or other improvements placed on the said premises by the second parties, excepting the timbering and rails in the mines.

(H) That they will fully comply with all labor and mining laws of the United States and the State of California.

(I) That they will immediately upon the receipt of all mill or smelter returns or receipts, or analyses or assays, mail or cause copies thereof to be mailed to Helen M. Gunn at Box 18, Independence, California.

It is mutually agreed by and between the parties hereto that in the event the second parties fail to perform any covenant or agreement herein contained and by them to be kept and performed at the time herein set forth, this option shall terminate immediately and the first party may demand of and secure from the said Bank

of America National Trust and Savings Association, Lone Pine, California, all documents deposited in said bank; and it is further mutually covenanted and agreed that in the event the said option is so terminated, all payments made by said second parties on said purchase price shall be retained by said first party as liquidated damages for the use and occupancy of said premises and as part of the consideration for which this agreement is executed and said second parties shall forthwith deliver up to the said first party, her agents and/or attorneys in fact the peaceful possession of said premises and every part thereof.

It is further mutually agreed by the parties hereto that this agreement shall be deemed to be and shall be construed to be an option to purchase and not an agreement of sale and purchase.

It is further mutually agreed by the parties hereto that this agreement shall extend to, bind and be enforceable against the heirs, executors, administrators and assigns of the respective parties hereto.

This agreement shall not be assignable until written consent to said assignment shall have been given by first party.

In the event that default be made in the payment or performance of any of the herein contained covenants and agreements first party shall give to second parties fifteen (15) days notice within which time said default may be cured. Said notice shall be addressed to second parties at Box 212, Bishop, California and shall be sent by registered mail.

Any notice by second parties to first party shall be addressed to first party at Box 12, Independence, California and shall be sent by United States registered mail.

IN WITNESS WHEREOF, the said parties hereto have set their hands the day and year first above written.

HELEN M. GUNN
First Party

ROSS FINLEY

TOM VICNICH
Second Parties

STATE OF CALIFORNIA)
) SS.
COUNTY OF INYO.)

On this 13th day of January, 1948, before me, the undersigned, a Notary Public in and for the County of Inyo, State of California, personally appeared HELEN M. BUNN, ROSS FINLEY and TOM VIGNICH, known to me to be the persons whose names are subscribed to the within 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.

GEORGE FRANCIS
Notary Public in and for the County of Inyo, State of California.

(SEAL)

Exhibit "B"

TO WHOM IT MAY CONCERN:

I, HELEN M. GUNN, do hereby consent to the assignment by ROSS FINLEY, TOM VIGNICH and BENJAMIN EYER, unto AUGUST CHOPP, of Gardena, California, and ROBERT H. ALLSOP, of Barstow, California, of that certain lease with option to purchase entered into under date of January 10, 1948, by and between myself, as lessor, and Ross Finley and Tom Vignich, as lessees, covering the following described five (5) unpatented lode mining claims and the mill site, situated in Modoc or Lookout Mining District, in Inyo County, California, the group being generally known as the Minnietta Group and more particularly described as follows:

Name of Claim	Recorded	Book	Page
ST. ARTHUR	May 1, 1893	G	205
	May 29, 1925	26	139
ST. JOHN	May 1, 1893	G	204
	May 29, 1925	26	137
ST. CHARLES	November 22, 1917	22	65
	May 29, 1925	26	140
HELEN G.	February 13, 1896	B	151
	December 24, 1917	26	139
DIVIDEND	February 13, 1896	B	150
	December 24, 1917	26	141
ST. JOHN MILL SITE	August 24, 1885	E	172
	May 29, 1925	C	218.

I hereby stipulate that the total sum of Seventeen thousand six hundred eighty-eight dollars and twenty-two cents ($17,688.22) has been paid to me to apply on the purchase price of the mining premises aforesaid pursuant to the terms and provisions of said lease and option, and that said lease and option agreement is as of the date hereof in full force and effect.

It is my agreement and I do hereby eliminate from said lease and option agreement and particularly the provisions of

paragraph four (4) thereof, the provisions authorizing me to use and occupy that certain cabin located on the St. John Mill Site aforesaid.

I further hereby consent to the application of August Chopp, Robert H. Allsop, Ross Finley, Tom Vignich, and Benjamin Eyer for a government loan through the Defense Mineral Exploration Administration, and agree that I will cooperate with said parties and execute such further agreements and instruments as may be necessary or required in order to give effect to this agreement.

This consent is executed by me subject to and conditional upon performance of all and singular the terms and provisions of said lease and option agreement by the assignees.

Dated at Bishop, California, this 19th day of October, 1956.

HELEN M. GUNN
Helen M. Gunn

STATE OF CALIFORNIA)
) SS.
COUNTY OF INYO)

On this 19th day of October, 1956, before me, the undersigned, a Notary Public in and for said County and State, personally appeared HELEN M. GUNN, known to me to be the person who executed the within and foregoing instrument, and acknowledged to me that she 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.

LILIAN EDELL
Notary Public in and for the
County of Inyo, State of California

(SEAL)

WILLIS SMITH
ATTORNEY AT LAW
BISHOP, CALIFORNIA
TELEPHONE 7831

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Griswold	500
1/18	Selfridge	130
1/18	[illegible]	110
"	Mittendorf	100
	Bishop	225
	Kiilsgaard	

JAN 18 1957

Mr. August Chopp
1640 W. 147th Street
Gardena, California

Re: Docket No. DMEA-4535 (Lead-Zinc)
August Chopp & Robert H. Allsop
The Minnietta Group
Inyo County, California

Dear Mr. Chopp:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of lead-zinc ore on your property, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

WRGriswold/er 1/17/57
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.
Region II (2)

R.P.G.

8623

DMEA Form 7
(12-56)

500

OFFICIAL FILE COPY

Date	Surname	Code
		500
		100
		225

Bishop

January 17, 1957

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-4535, August Chopp and Robert H. Allsop, The Minnietta Mine Group, Inyo County, California, Lead-Zinc.

You may know something of the cited property, since it is in the same area as the Darwin Mine, near Death Valley.

Supposedly, something over a million dollars worth of silver-lead-zinc ore have been produced over the years from replacements in limestone. Apparently the property is worked out; American Smelting & Refining Company took it over in 1951 and had it for a couple of years with no luck. They sank 240 feet, mapped the workings and geology, did diamond drilling, etc. all to no purpose. Incidentally, our engineer, Mr. Tom Chapman, held the property at one time and wasted a little money on it, and found nothing.

The Applicants' proposals are poorly conceived and based on nothing much but hunches. The property has already been thoroughly disproven as far as any major expectancy is concerned, and we concur in the denial of the application.

W. R. Griswold

W. R. Griswold

WRG/er 1/17/57
Copy to: Docket
Base Metals
Chron.

8623

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DMEA
RECEIVED JAN 14 1957

DATE	INITIALS	CODE
1/14	WRG.	500

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

January 11, 1957

Re: DMEA 4535; Lead-zinc;
$137,204
August Chopp & Robt. H. Allsop
The Minnietta Mine Group
Inyo County, California

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Review of Field Team report of January 3, 1957, received January 10, 1957.

B. H. Sheahan (USBM) and H. K. Stager (USGS) field examiners examined the Minnietta mine and reviewed the applicants program of exploration November 8-9, 1956.

Ore bodies mined in the past have consisted of argentiferous galena replacements in limestone localized along low angle faults which in turn are found in a relatively small fault block. These bodies contained from a few tons to several hundred tons of ore which averaged about 12% lead and 50 ozs. of silver per ton. Total recorded production between 1895 and 1955 was 6,933 tons.

The examiners state that past exploration has been extensive and has tested all of the favorable area and much of the surrounding ground as to large possibilities, while the widely scattered small masses can be best discovered by long hole drilling from old stopes.

The examination team state that the exploration proposal is poorly planned with an evident lack of knowledge of the geology of the mine and district. They point out that the fault which was to be the principal exploration target is the northeasterly boundary which is not mineralized at any point on the outcrop or where exposed by workings underground. The field examiners point out that downward extension of the Jack Gunn ore bodies has been disproven by crosscuts and other openings, and that there are no significant targets which have not been explored.

In summation they recommend denial of the application. The Field Team concurs in that recommendation. These conclusions appear sound on the bases of the evidence and I agree with them.

O. M. Bishop

O. M. Bishop

Copy to: Division of Minerals
Mr. Kiilsgaard
Files
Mr. Lamb
Mr. Bishop

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 14 1957

DATE	INITIALS	CODE
1-14	cw	220
	WRB.	500

January 11, 1957

DMEA 4535
August Chopp and R. H. Allsop
Minnietta Group
Inyo County, California
$137,204.00 Lead-zinc

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicants requested assistance in rehabilitating and exploring a mine credited with the production $1,000,000 worth of ore. Since 1895 the recorded production is 6,933 tons of ore, that yielded

1,424	ounces	of	gold
351,446	"	"	silver
17,520	pounds	of	copper
1,567,179	"	"	lead
52,871	"	"	zinc

The property has had much work done upon it by owners, leasers, and optionees, and in the opinion of the examiners there is little reason for thinking a sizeable ore body has escaped discovery. The habits of the ore deposits have been well established and all ground believed to answer the requirements has been prospected. Some ore remains in stope walls and pillars but the amount is estimated to be small. Therefore the examiners and the Field Team recommend that the application be denied.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 7 1957

DATE	INITIALS	CODE
		130
1/11	CSW	220
	WRS.	500

ON SITE REPORT

1605 Evans Avenue
Reno, Nevada

January 3, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4535 (Lead=Zinc)
August Chopp and Robert H. Allsop
The Minnietta Group
Inyo County, California
(Your letter dated November 23, 1950)

Enclosed are four copies of report on subject property by B. H. Sheahan, Bureau of Mines, and H. K. Stager, Geological Survey.

Roscoe Smith and I concur in the recommendation that the application for DMEA exploration assistance be denied.

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
1-11-57
(date)

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 7 1957

DATE	INITIALS	CODE
		130

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4535 (lead-zinc)
August Chopp
The Minnietta group
Inyo County, California

by

B. H. Sheahan
U. S. Bureau of Mines

H. K. Stager
U. S. Geological Survey

December 31, 1956

Reviewed by
DMEA OPERATING COMMITTEE
1-11-57
(date)

CONTENTS

	Page
Introduction	1
Conclusions and Recommendations	2
Location, Accessibility, and Local Facilities	3
Property and Ownership	3
History and Production	4
Development	6
General Geology	7
Ore Deposits	8
Sampling	9
Ore Reserves	9
Exploration Possibilities	10

ILLUSTRATIONS

Figure 1	Index map
2	Claim map
6	Cowshed workings
7	Cowshed workings
8	Merritt incline

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RECEIVED JAN 8 1957
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INTRODUCTION

Mr. August Chopp, 1640 West 147th Street, Gardena, California, applied to the Defense Minerals Exploration Administration, docket DMEA-4535, for Government assistance in a $137,204.00 program to explore for lead and zinc at the Minnietta mine, Inyo County, California.

Inasmuch as the examiners were in the district for the purpose of examining the Defense mine, DMEA-4488, the Minnietta mine was examined on November 8 and 9, 1956, prior to the request for field examination by the Operating Committee on November 23, 1956. The property was examined by B. H. Sheahan, U. S. Bureau of Mines, and H. K. Stager, U. S. Geological Survey, accompanied by Mr. A. Chopp, Mr. R. H. Allsop (partner), and Mr. Ben Eyer, a miner and lessee who has worked intermittently at the mine for several years.

The property was previously examined by an engineer of the U. S. Bureau of Mines in September 1950 [1]. Maps and sample data compiled during this previous examination were used by the examiners in evaluating the applicant's proposal.

---

[1] Wiebelt, Frank J., September 1950, Preliminary Report, Minnietta mine, Inyo County, California, U. S. Bureau of Mines report.

CONCLUSIONS AND RECOMMENDATIONS

The applicant's exploration proposal is poorly planned and his estimated costs are exceptionally high. He proposes to rehabilitate 450 feet of the Lower Cowshed tunnel, drive 1400 feet of drifts and crosscuts in a blind program of exploration to prospect the footwall side of a major northwest-striking fault, and ground beneath the existing Jack Gunn and Cowshed workings. A 525-foot ventilation raise is also included in this proposal.

The probability of making a significant discovery by the proposed work is very poor. No geological data on which to assume the possibility of a significant discovery by the proposed work has been presented nor did the field examination disclose any such data.

The applicant is not familiar with the mine and is not well qualified financially or by experience to conduct an exploration project.

It is therefore recommended that the request for exploration assistance be denied.

An experienced crew of leasers familiar with the mine might produce some ore when market conditions are unusually favorable.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The Minnietta mine is in the Modoc mining district on the east slope of the Argus Range at an altitude of from 2,000 to 2,500 feet in sec. 33, T. 19 S., R. 42 E., M.D.B.&M., Inyo County, California.

To reach the property from Panamint Springs, California, follow State Highway 190 easterly 3.0 miles, turn right and follow paved highway southerly 7.1 miles, turn right for 4.0 miles westerly on gravel road marked by sign, turn left at road intersection and travel 1.2 miles southwesterly to the Minnietta mine camp. Trona, California, the nearest town and railroad station, is 43 miles by road south of the property.

The mine is accessible all year and the drive from Panamint Springs requires about 30 minutes.

Labor and supplies are available at Trona, Darwin, or Lone Pine. Water for domestic requirements is obtained from a small spring, which flows approximately 1,000 g.p.d., and is piped two miles to the camp.

PROPERTY AND OWNERSHIP

The property includes five unpatented mining claims and a five acre millsite (fig. 2), known as the Minnietta mine, and is owned

by Helen M. Gunn of Independence, California. A list of the claims follows:

Claim name	Date Recorded	Book	Page
St. Arthur	May 1, 1883	G	205
St. John	May 1, 1893	G	204
St. Charles	Nov.22, 1917	22	65
Helen G.	Feb.13, 1896	B	151
Dividend	Feb.13, 1896	B	150
St. John Millsite	Aug.24, 1885	E	172

A conditional lease option agreement between the applicant and Helen M. Gunn was signed October 19, 1956. A second agreement between the applicant and Ross Finley, Tom Vignich, and Ben Eyer was signed October 25, 1956.

HISTORY AND PRODUCTION

The mine was discovered in the 1880's and has been worked intermittently since. Mr. Jack Gunn and family owned and operated the property for many years. Reported production of silver-lead-zinc ore exceeds $1,000,000 in value.

Ross Finley and Tom Vignich, miners from Darwin, California, leased the mine from Helen M. Gunn in 1948. They constructed a 600-foot gravity tramway from the Jack Gunn workings and installed a small concentrating plant. From 1948 to 1951, Finley and Vignich produced about 30 carloads of mixed high grade lead-zinc ore and concentrates. The leasing operation was profitable only when the price of lead was about 20 cents per pound. The mill was removed in 1952.

American Smelting and Refining Co., 500 Crandall Building, Salt Lake City 1, Utah, optioned the property in 1951. Surface geology and underground workings were thoroughly mapped, and the west St. Charles area was explored with a 240-foot incline shaft. Exploratory diamond drilling was also conducted at the mine but results were evidently discouraging because the option was relinquished in 1953.

Helen M. Gunn, the owner, received 10 percent royalty on ore produced by Finley and Vignich, and $250 per month while the property was under option by American Smelting and Refining Co. The total amount that she received from 1948 to 1955 was $17,688.22, according to Ross Finley.

In 1954 the shaft contractors, McFarland and Hollinger of Tooele, Utah, produced one 56-ton carload of ore from old workings in the St. Charles area. Smelter settlement sheets showed 11.55 percent lead, 3.5 ounces silver, 0.20 percent copper, which netted $407.22 after freight and royalty deductions. The ore was selectively mined, but the operation was not very profitable, and the mine has subsequently been idle.

Total recorded production from 6,933 tons of ore produced between 1895 and 1955 is 1,424 ounces of gold, 351,446 ounces of

silver, 17,520 pounds of copper, 1,567,179 pounds of lead, and 52,871 pounds of zinc.

DEVELOPMENT

The mine includes three distinct and nearly interconnected zones which are known as the Cowshed, Jack Gunn, and St. Charles (fig. 2). These are within an area equivalent in size to one mining claim. Estimated footage of underground workings amounts to about 10,000 feet.

The Cowshed zone was developed by two crosscuts. The lower tunnel and site of the proposed work is accessible. The zone has been quite thoroughly explored.

The Jack Gunn area situated between the Cowshed on the east and the St. Charles on the southwest was developed by the 300-foot Merritt incline shaft and several thousand feet of drifts and crosscuts and raises.

The St. Charles area is developed by three tunnels and a 300-foot incline shaft which was sunk by the American Smelting and Refining Co.

There is very little equipment on the property and most of this is owned by Helen M. Gunn. A list follows:

Item	Condition and Remarks
1 Air Compressor, 80 c.f.m.	Junk.
1 Hoist, 20 h.p., gasoline	Poor - Merritt incline.
1 One-ton skip	Fair - Merritt incline.
Miscellaneous pipe and rail	Mostly scrap.
1 Aerial tramway, 600 ft.	Poor.
4 Dwellings	Poor.
1 Pick-up truck, 1/2 ton	New (Owned by applicant).

GENERAL GEOLOGY

The Minnietta mine is in an area of high relief on the east side of the Argus range. The rocks in the mine area are chiefly limestones and have been tentatively correlated with the Tin Mountain formation of lower Mississippian age. These rocks are on the nose of a northward plunging anticline. A quartz monzonite batholith of probable Cretaceous age forms the core of the anticline and crops out a few miles south of the mine area. Diorite dikes cut the limestone in the mine area and may be offshoots of the quartz monzonite mass.

The limestone is blue to dark-gray, fine- to medium-grained and crops out in steep slopes and cliffs. Bedding strikes west to northeast and dips from 40° to 75° NW. The diorite occurs as dikes cutting the limestone, commonly along faults. The dikes are abundant throughout the mine area and are 10- to 25-feet thick.

The rocks are cut by several nearly parallel faults that strike about N 60° W and dip 65° SW. Some of the faults are marked by dikes and others by breccia zones 2 feet to 25 feet thick. The breccia zones

contain fragmental limestone, pods of quartz and jasper, limonite, and oxidized manganese minerals. A conspicuous low angle fault crops out through the middle of the mine area between the major N 60° W faults. It strikes about N 30° E, dips 32° NW, is exposed for about 1,500 feet along the strike and is probably a thrust fault. Most of the ore bodies are localized along this fault and along fractures of similar attitude immediately above and below it.

ORE DEPOSITS

The deposit consists of replacement-type ore bodies of silver-bearing galena in limestone, locallized along low angle faults.

The principal ore minerals are argentiferous galena and cerusite with minor amounts of calamine and silver haloides. Gangue minerals are calcite, quartz, pyrite, and oxides of manganese and iron. Numerous diorite dikes cut the limestone beds in the vicinity of the ore bodies and may be related to the source of the ore forming solutions.

The ore bodies are low dipping, elongate lenses 10- to 200-feet long, 5- to 50-feet wide, 5- to 20-feet thick, and contain from a few tons to several thousand tons of ore each. The grade of the ore bodies ranges from 5 to 50 percent lead and 3 to 200 ounces of silver per ton with an average grade of about 12 percent lead and 25 ounces of silver per ton.

The ore bodies are localized along low angle faults that strike about N 30° E and dip 30° - 40° NW, between faults that strike N 60° W and dip 60° - 65° SW. The favorable area that contains all of the known ore bodies is about 300 feet wide, 100 feet thick, and 1,000 feet long. Past exploration has been extensive and has tested the entire favorable area and much of the surrounding ground.

SAMPLING

There were no mineralized areas in the vicinity of the proposed work that warranted sampling. Some sample data is shown on figures 6, 7, and 8, which were attached to the Bureau of Mines report dated September 1950.

ORE RESERVES

There are no measured ore reserves available for mining at the Minnietta mine. About 1,000 tons of marginal ore is contained in dumps or is exposed in pillars and along the margins of old stopes. This ore contains 5 to 10 percent lead and 5 to 10 ounces of silver per ton but at present market values is too low in grade to mine and ship economically. Inferred reserves are a few hundred tons of ore containing about 15 percent lead and 25 ounces of silver per ton. These reserves are inferred to be in small widely scattered bodies similar in size and grade to those

that have been mined. These ore bodies can be found most economically by long hole drilling in the floors, walls, and backs of the old stopes.

EXPLORATION POSSIBILITIES

The applicants propose to explore for other ore bodies by drifting, crosscutting, and raising in the area north of and below the Cowshed and Jack Gunn workings. The proposal is based on an inadequate knowledge of the geology of the deposit and of the district.

The fault that is the principal target of the applicants' proposed exploration is the north boundary fault of the deposit. It strikes about N 70° W and dips 65° SW. It is not mineralized at the surface or at any point exposed underground. It is not the "Darwin" tear fault as is implied in the application. The prominent, steeply-dipping, tear fault of the Darwin district crosses the Argus range about 4 miles north of the Minnietta mine and is not known to be mineralized either in the Darwin district or in the Argus range. The lead-silver deposit at the Modoc mine, about 2,000 feet north of the Minnietta, bottomed about 1,000 feet above the level of the proposed crosscut.

A downward continuation of the ore body mined from the Cowshed workings, that is a secondary target of the applicants' proposal, has been tested by drifts and raises on the same level

as the proposed work and has also been tested by diamond drilling below this level. This previous exploration failed to find a downward continuation or other similar gently dipping ore bodies at lower horizons.

A downward continuation of the ore bodies mined from the Jack Gunn workings, also a secondary target of the proposal, has been tested by a crosscut at the same level and about 100 feet south of that proposed by the applicants. It was also tested by drifts and crosscuts 75 feet above the proposed drift and by an incline shaft that was driven to a depth of 40 feet below the level of the main ore body or only 20 feet above the level of the proposed work. These drifts, crosscuts, and incline shaft demonstrated that the deposit was formed above a low angle fault and was not underlain by other similar ore bodies.

The maze of underground workings at the Minnietta mine is greatly out of proportion to the small tonnage of ore produced and is indicative that all conceivable exploration targets have been tested by previous operators of the mine and with little or no success. A field crew of geologists and engineers from the American Smelting and Refining Co. spent several weeks at the mine in 1951 and as a result of their work and studies some exploration by diamond drilling and shaft sinking was done. This work also failed to discover new ore bodies.

It is possible that close-spaced, long hole drilling in the walls of the underground workings might discover other small ore bodies similar to those that have been mined but it is also probable that this work would cost more than the value of the ore discovered.

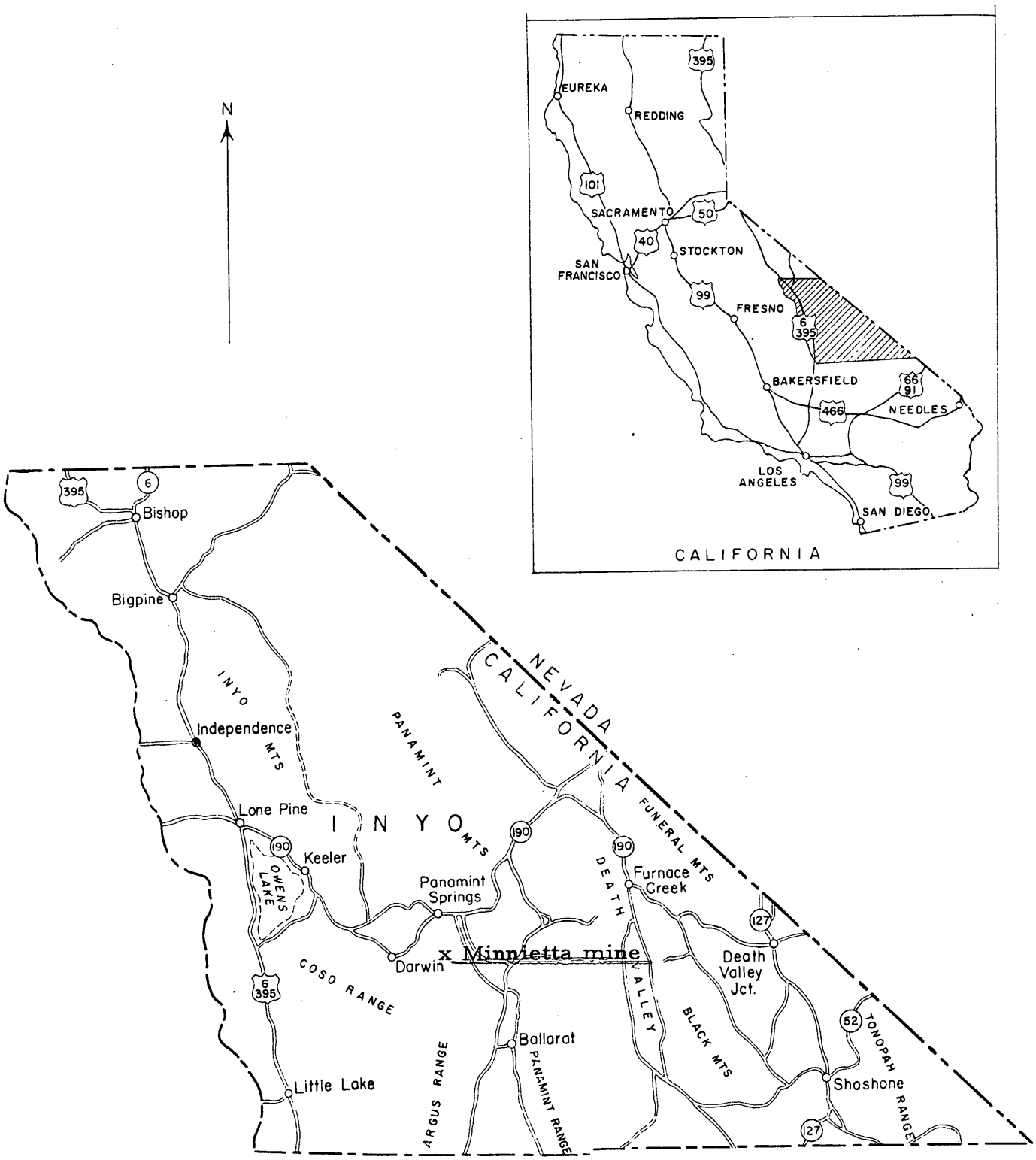


Figure 1. INDEX MAP OF INYO COUNTY, CALIFORNIA

0 25 50 75 Miles

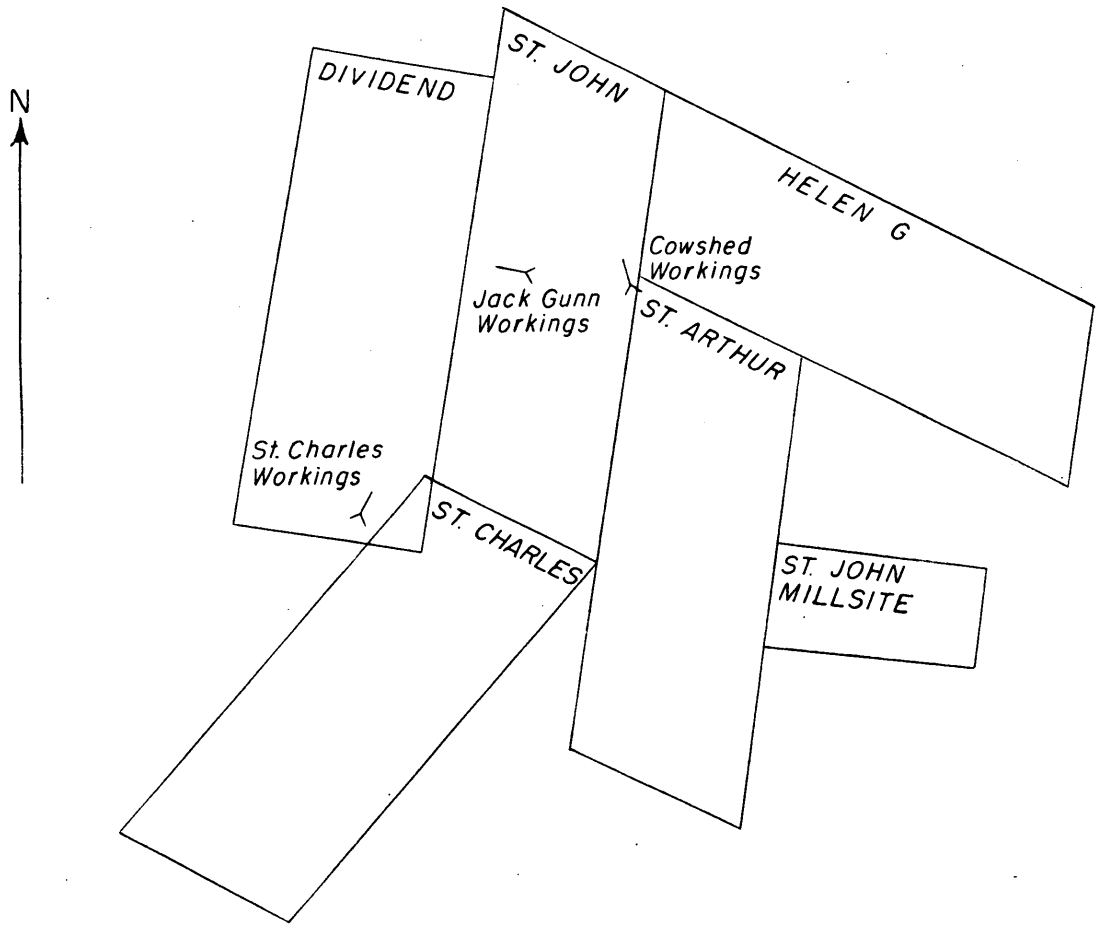
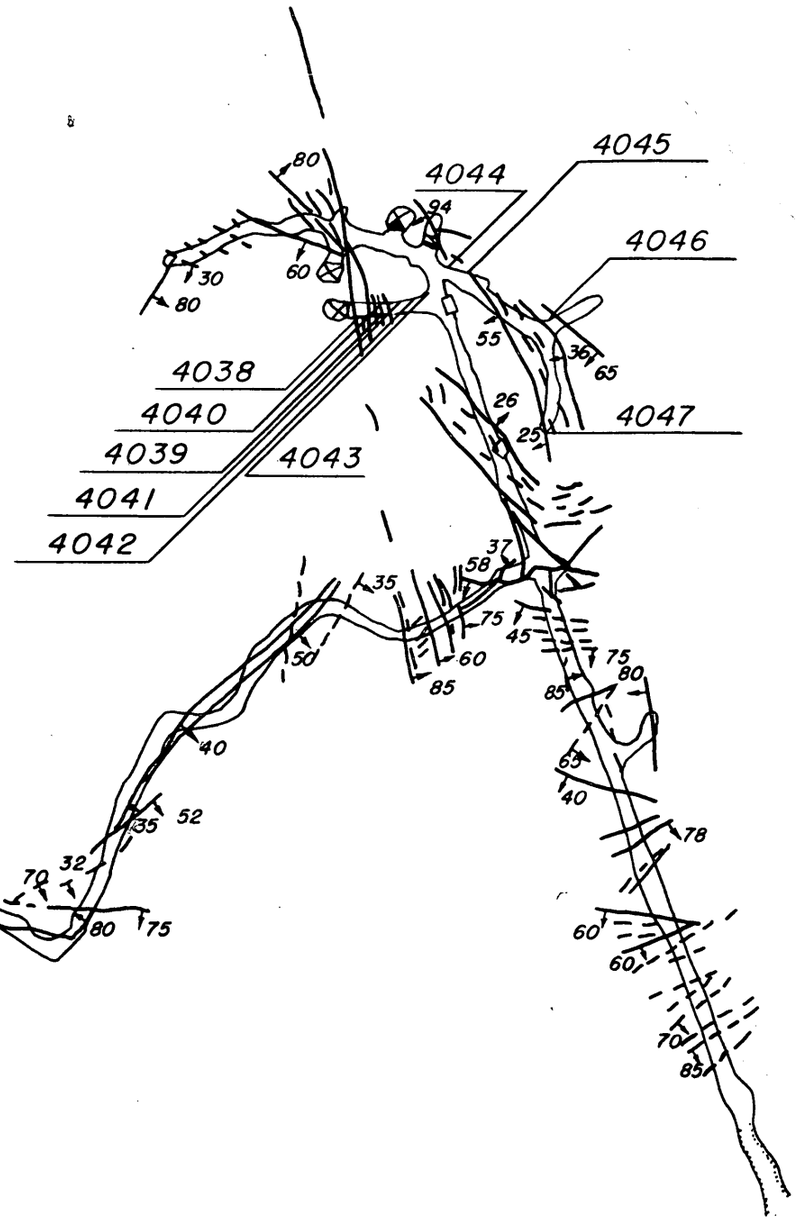


Figure 2. CLAIM MAP OF MINNIETTA GROUP
INYO COUNTY, CALIFORNIA

0 600 1200 1800 Feet

Sample	Width	Oz. Au.	Oz. Ag.	% Pb.	% Zn.
4038	5.0	nil	0.2	nil	1.0
4039	"	"	0.1	"	nil
4040	"	"	0.3	"	"
4041	"	"	0.7	"	"
4042	"	Tr.	2.9	"	1.0
4043	"	"	3.4	"	"
4044	"	"	3.5	"	3.4
4045	"	"	4.8	"	1.1
4046	4.5	"	0.5	"	0.2
4047	5.0	nil	0.1	"	0.9



0 50 100 150

Scale of feet

Explanation

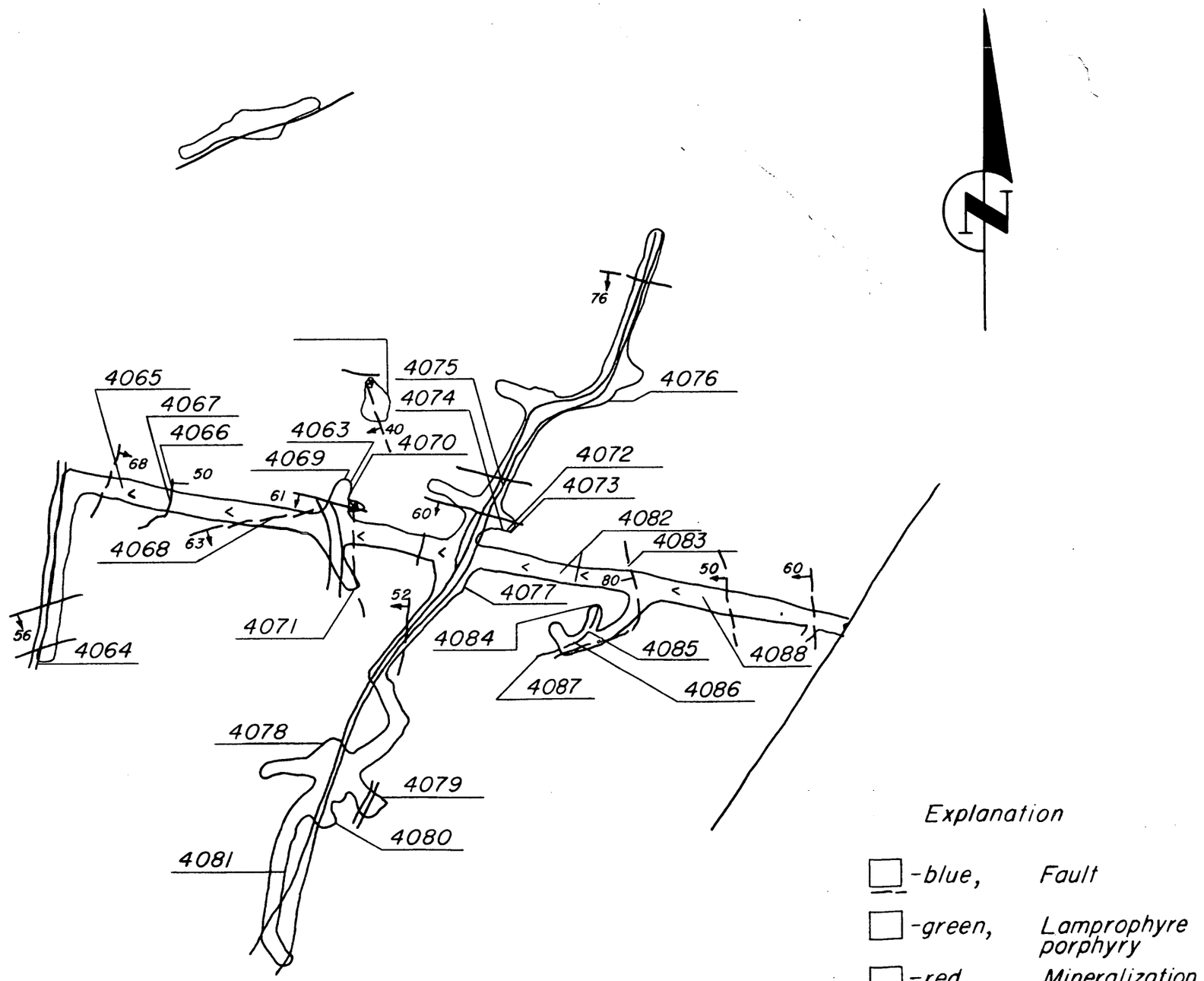
-blue, Fault

-green, Lamprophyre porphyry

From A.S.&R. map: G.A.D. Rum

Fig. 7—Map of Cowshed workings, Minnietta Mine

Sample	Width	Oz.Au	Oz.Ag.	%Pb	%Zn.
4063	2.0	nil	0.5	2.0	nil
4064	4.0	"	0.1	nil	"
4065	4.0	"	0.1	"	Tr.
4066	4.0	Tr.	0.3	"	0.1
4067	2.0	nil	0.1	"	0.1
4068	4.2	"	0.3	"	1.2
4069	4.0	"	0.2	"	0.1
4070	4.0	"	0.2	"	1.0
4071	3.0	"	0.1	"	nil
4072	3.1	"	0.7	2.0	1.1
4073	4.3	0.01	10.7	6.7	0.9
4074	3.9	Tr.	3.5	3.6	1.3
4075	2.0	0.01	6.0	1.5	1.2
4076	4.1	Tr.	0.4	nil	0.2
4077		"	4.2	9.0	0.3
4078	2.0	nil	1.2	2.1	5.7
4079	1.3	Tr.	7.9	7.0	27.6
4080	1.5	"	1.0	2.4	0.6
4081	3.2	nil	0.2	nil	0.1
4082	2.6	Tr.	2.7	2.4	0.3
4083	5.2	0.01	11.1	10.1	8.3
4084	2.6	Tr.	0.6	5.8	1.4
4085	4.5	"	0.4	1.4	1.2
4086	1.0	0.01	9.8	22.0	3.4
4087	3.7	nil	0.5	nil	Tr.
4088	3.0	0.03	9.6	8.0	0.4



0 50 100 150
Scale of feet

From A.S.&R. map: Mastrovich Webber

Fig. 8 Map of Merritt Incline, Minnietta Mine

File Copy
Surname
Griswold
Selfridge
Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

500

NOV 23 1956

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-4535 (Lead-Zinc)
August Chopp & Robert H. Allsop
The Minnietta Group
Inyo County, California

Dear Mr. Ricker:

The cited application is being referred to your office for consideration, a field examination of the property if warranted, and recommendations.

The data are obviously incomplete and the cost estimates appear to be of little significance; however, it is questionable whether the Applicants could supply very much more material at this time. If a favorable recommendation should be made, we would of course require the Owner's Consent to Lien and a property map upon which the proposed work was indicated.

We are enclosing copies of memoranda dated November 7 and 8, 1956, by N. E. Nelson, Geological Survey, and O. M. Bishop, Bureau of Mines, respectively, relating to the project.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

WRGriswold/er 11/20/56

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

File Copy
Surname

Griswold
Lamb
Kilsgaard
Selfridge
[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

NOV 23 1956

Mr. August Chopp
1640 West 147th Street
Gardena, California

Re: Docket No. DMEA-4535 (Lead-Zinc)
August Chopp and Robert H. Allsop
The Minnietta Group
Inyo County, California

Dear Mr. Chopp:

The application of yourself and Mr. Robert H. Allsop for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and is being referred to:

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

If additional information concerning your application is needed, the Field Team will get in touch with you at an early date.

Sincerely yours,

C. O. Mittenderf (for)

Administrator

WRGriswold/er 11/20/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.
Region II (2)

RCS.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED NOV 13 1956 D.M.E.A.

November 8, 1956

Re: DMEA 4535; ~~Lead-Zinc~~,
$137,204
August Chopp & Robert
H. Allsop
Minietta Group,
Modoc District,
Inyo County, Calif.

Griswold

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Application dated October 27, 1956, received November 6, 1956.

The applicant proposes exploration of the 5-claim Minietta group by means of an adit-crosscut, with laterals and a raise which together total 2,400 feet and will cost an estimated $137,204. The work outlined on the map indicates that the adit crosscut will be driven about 550 feet in a northwest direction to crosscut the Darwin fault, and that subsequently a drift will be driven northwesterly along the fault zone some 500 feet further. The applicant proposes a 525-foot raise from this latter drift to the surface to further explore the Darwin fault zone and provide ventilation. The applicant also proposes a crosscut off the adit to the northeast to check the southeasterly extent of the fault, and another to the southwest to explore for replacement mineralization below the Jack Gunn workings.

Data presented in the application and at hand are inadequate to appraise the merit of the target area or of the proposed exploration. It is therefore suggested that it be referred to the field for appraisal and further information.

O. M. Bishop

O. M. Bishop

Copy to: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Mr. Bishop
Files

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED NOV 8 1956 D.M.E.A.

November 7, 1956

Re: DMEA 4535
August Chopp and R. H. Allsop
Minnietta Group
Inyo County, California
$137,204.00 - Lead-zinc

Griswold

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The applicants request assistance in crosscutting and drifting under old mines and driving a long drift and a long raise in a fault. The map and the text of the application do not agree on the footages. Bulldozing and adit rehabilitation are planned.

No reasons are given for doing the work, except that 5,000 tons of semi-developed lead-silver ore is ready to take out. The grade is said to be:- 10 to 15% lead per ton.
5 to 10 oz. silver per ton.

No authority for the estimate is given.

Referral of the application to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

November 5, 1956

Mr. August Chopp
1640 W. 147th Street
Gardena, California

Subject: DMEA-4535
Re: Exploration Assistance
Minnietta Group

Dear Mr. Chopp

Your application for exploration assistance, dated October 27, 1956 submitted to our office at Reno, has been assigned Docket Number DMEA-4535 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region II. Reno, Nevada

Code 500

3571

RECEIVED
NOV 5 1956
D.M.E.A.

Gardena, California
October 28, 1956

U.S. Bureau of Mines
1605 Evans Ave.
Reno, Nevada

Dear Mr. Ricker,

Upon checking our files we find that we neglected to leave a copy of the option agreement with you.

Please find the enclosed copy and let me know if there are any other details to be taken care of.

Very sincerely yours,

August Chopp

Option agreement
Sent to Wenkert

Gardena, California
October 28, 1956

RECEIVED
NOV 5 1956
D.M.E.A.

U.S. Bureau of Mines
1605 Evans Ave.
Reno, Nevada

Dear Mr. Ricker,

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Very sincerely yours,

August Chopp

Option Agreement
Sent to Washington

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2. Void previous block.
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NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROO	
Mr. Belmont Room 4457	RUN STOP		RUN STOP
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Mr. Martin 3538 Int.	RUN STOP		RUN STOP
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	RUN STOP		RUN STOP
	RUN STOP		RUN STOP

Send surplus envelopes to supply room for reissue.

Use other side

Use RUN and STOP only when messenger service between Government buildings in Washington is required.
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Sample	Width	Au	Ag	Pb	Zn
4016	5.0	0.01	7.8	3.2	7.4
4017	2.5	0.03	40.4	7.4	12.1
4018	3.0	Tr.	1.5	2.8	26.6
4019	4.5	0.03	31.1	8.4	10.6
4020	5.5	0.02	13.4	9.8	2.9
4021	6.0	0.02	5.8	3.1	11.4
4022	3.0	0.04	19.5	5.7	11.7
4023	7.5	0.01	4.7	6.3	1.2
4024	6.0	0.03	30.4	19.5	7.0
4025	5.0	0.02	22.6	17.2	4.9
4026	4.5	0.02	11.9	5.6	7.1
4027	7.0	0.03	15.8	9.2	8.9
4028	5.0	0.02	16.7	12.0	9.8
4029	4.0	Tr.	3.4	3.3	1.6
4030	7.5	none	0.4	none	1.3
4031	6.0	Tr.	0.7	none	0.8
4034	6.0	none	0.3	2.8	0.9
4035	4.0	0.01	4.2	4.8	1.4
4036	4.5	Tr.	1.7	none	0.8
4037	3.0	0.01	3.5	1.5	0.9

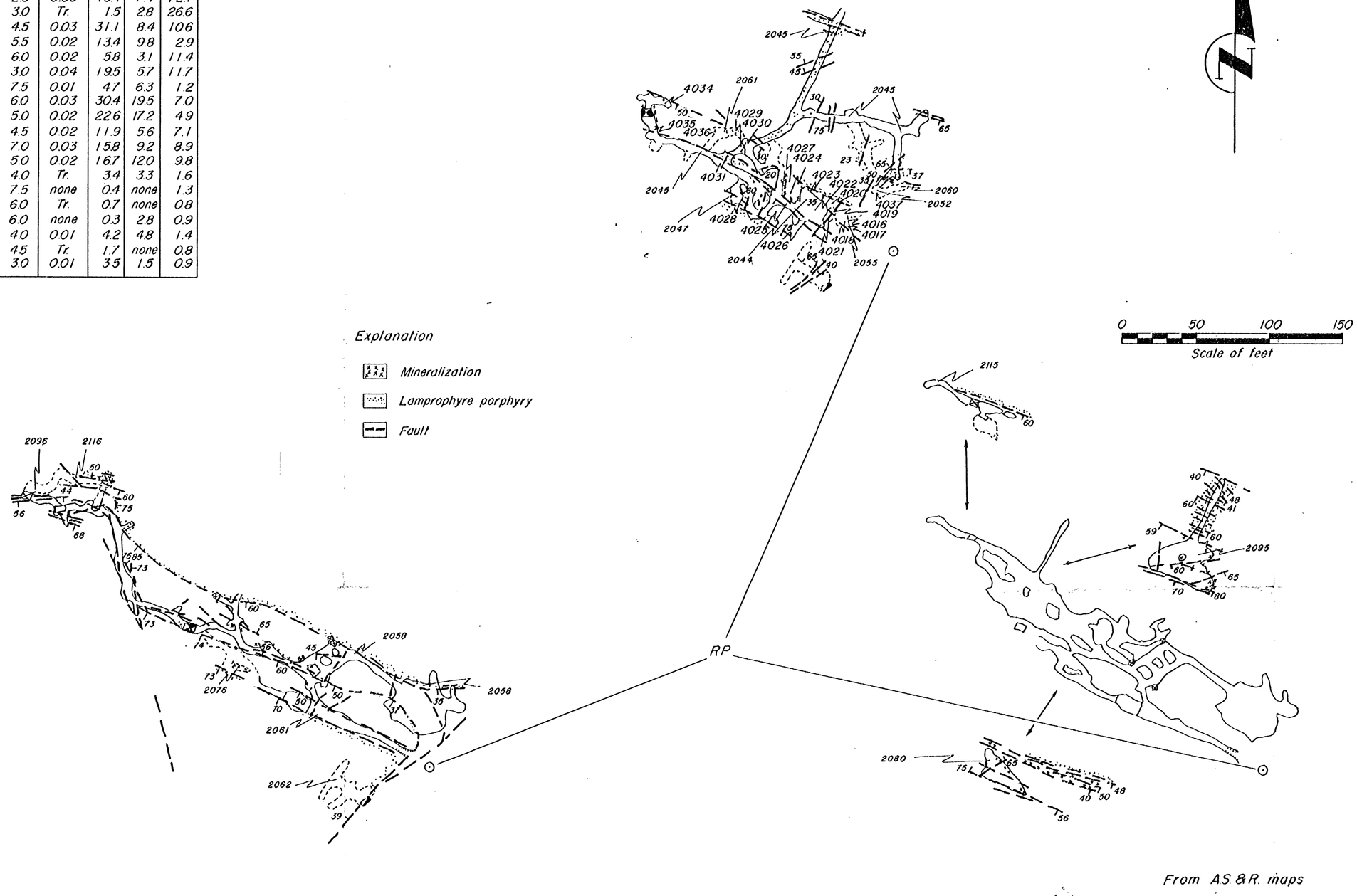

Fig. 6 – Plan, Cowshed workings, Minnietta Mine

E-10,000
E-10,500
E-11,000
E-11,500
N-9000
N 8500
N 8000
500'
PROPOSED DRIFTS
250'
200'
200'
250'
300'
75'
BLS
WITH BROWN CALCITE REPL.
DK. LS.
B.LS.
JACK GUNN
COW SHED
WORKINGS
QAL
LB
N-79° E.
FAULT
DOLO.
DUMP
B. LS.
DUMP
QAL
QAL
B LS.
DK. LS.
SMALL LIMESTONE FRAGMENTS
FAULT
B LS.
GALENA ON CONTACT
THRUST FAULT
DIVERSION ACROSS GULCH
DAM
ST CHARLES
WORKINGS
OLD
ROAD
WATER TANK
LOWER BINS
MILL
BOARDING HOUSE
BUNK HOUSE
BUNK HOUSE
ROAD
ROAD
N
50' TO 1 INCH ?