Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

Budget Bureau No. 42–R1035.3
Approval expires June 30, 1958

DEFENSE MINERALS EXPLORATION ADMINISTRATION

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

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

Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

RECEIVED
MAY 15 1958
D.M.E.A.

APPLICANT NOT TO USE THIS BLOCK

Docket Number

Date Received

Government Participation %

Region

Division Code

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [X]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized: New York

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
see Attachment "A"		

Mineral(s) for which you wish to explore: Nickel-cobalt-base metal sulfides

Estimated Cost of Project: $91,138.00

LOCATION OF PROPERTY

Name	County	State
Warren-Friendship Prospect	Knox-Lincoln Counties,	Maine

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order–I, Amended, "Government Aid in Defense Exploration Projects." 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 four 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 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. 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 2(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 Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA 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.

May 12, 1958
Dated

Roland F. Beers
BY *(Signature)*

President
Title

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:* Attachment "B"

(a) 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 land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:* Attachment "C"

(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 lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as 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 on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

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

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

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

3. *Accessibility of Project:* Attachment "D"

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:* Attachment "E"

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the 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 *property boundaries* or to the closest identifiable corner.

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

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:* Attachment "F"

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:* Attachment "G"

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, 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. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. 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 operating equipment to be used, giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *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 on the exploration project.

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

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(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 – 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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order I, Amended. Attachment "H"

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 15539

Attachment A

ATTACHMENT A

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

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DMEA
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Corporation, State of New York

Roland F. Beers, President and Treasurer
465 Pinewoods Avenue, Troy, New York

Helen C. Beers, Vice President
465 Pinewoods Avenue, Troy, New York

Frank A. McNamee, Jr., Secretary
75 State Street, Albany, New York

Roland F. Beers, Inc., is the manager of operations for a group known as The American Syndicate. The names and addresses of the Syndicate members follow:

Basic Incorporated, 845 Hanna Building, Cleveland, Ohio
Victor Bator, 30 East 72nd Street, New York, New York
Roland F. Beers, 465 Pinewoods Avenue, Troy, New York
Roland F. Beers, Inc., 447 Pinewoods Avenue, Troy, New York
Eugene F. Connally, 471 Second Avenue, Troy, New York
Erwin N. Darrin, P. O. Box 2465, Spartanburg, South Carolina
James R. Dunn, View Drive, R. D. 2, Averill Park, New York
C. Emory Lochner, 75 State Street, Albany, New York
Shepard W. Lowman, P. O. Box 876, Troy, New York
W. W. MacGregor, 40A Schuyler Height Apartments, Menands, Albany 4, New York
Baldwin Maull, P. O. Box 2006, Buffalo, New York
Salomon Bros. & Hutzler, c/o John Stevenson, 60 Wall Street, New York, New York
John M. Schiff, 30 Wall Street, New York, New York
South Texas Development Company, 100 State Street, Albany, New York
Wytex Oil Corporation, 100 State Street, Albany 7, New York

Attachment B

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ATTACHMENT B

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

1. Applicant's Property Rights

(a) The general nature of this application and operating experience in the area have demonstrated the inadvisibility of wholesale "blanket" leasing. Desired targets within the area of exploration, and within the region, have been leased without undue difficulty. It is, therefore, recommended that leasing be generally restricted to anomaly areas delineated through the exploration program, as it proceeds.

Reconnaissance work, completed to date, has outlined one such anomaly, the "Simmons Prospect". Leasing is completed on this prospect, with 100% coverage effected. The following property descriptions, attached property map, and lease copies cover the Simmons Prospect. This is the type of property control and coverage anticipated for future prospects within the proposed exploration area.

Simmons Prospect

Lease: 9.0-1-29; 4/8/58
Ella E. and Ruth M. Creamer
RFD #1, Warren, Maine

Grantor: Octavia A. Ferrero
Grantee: Ella E. and Ruth M. Creamer
Warranty Deed: Rec. D.B. 351, P. 90
Signed: 3/13/56; Rec. 3/26/56

"Another certain lot or parcel of land situated in said Warren, bounded and described as follows: ON the west by land now or formerly of Ernest Lamb; on the west by land owned by Ella Creamer; on the north by land now or formerly of Samuel E. Tarr; on the east by land of Ella Creamer; on the south by Georges River and land of Ella Creamer; containing 30 acres, more or less."

***

Lease: 9.0-1-30; 4/8/58
Ella E. and Ruth M. Creamer
RFD #1, Warren, Maine

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Grantor: Charles E. Starrett
Grantee: Wayland Creamer
Warranty Deed: Rec. D.B. 186, P. 239
Signed: 3/31/20; Rec. 5/29/20

"a certain lot or parcel of land together with the buildings thereon, situated in said Warren and bounded and described as follows: BEGINNING at the easterly side of Georges River at northwest corner of land formerly of William Russell; thence north 71 degrees east by said Russell land one hundred and twelve rods to a Birch tree at land of Henry Farris; thence north 13-1/4 degrees west thirty-three rods and seven links to land formerly of Henry Davis; thence south 70-1/2 degrees west by said Davis land one hundred and four rods; thence southerly thirteen rods to stake and stones; thence north 71 degrees west seventy-seven rods to land formerly of Benjamin Payson, deceased; thence by said Payson land sixty-seven and one-quarter rods to said river; thence easterly by the river to place of beginning. CONTAINING forty and one-half acres, more or less.

ALSO another lot of land adjoining the above lot bounded as follows: BEGINNING at the southeast corner of land formerly of Benjamin Payson; thence northerly by said Payson land thirty-five rods to land of Edward S. Hilt; thence north 68 degrees east by said Hilt land and the Thomas place eighty-two rods and eight links to land formerly of Henry Davis; thence southerly by said Davis land eighty-six rods to stake and stones; thence north 73 degrees west eighty-two rods to first bounds. CONTAINING about thirty-one and one-half acres, more or less."

***

Lease: 9.0-1-31; 4/8/58
Leo A. and Jean F. Laukka
RFD #1, Box 50, Warren, Maine

Grantor: Niilo T. and Ellen Gronroos
Grantee: Leo A. and Jean F. Laukka
Warranty Deed: Rec. D.B. 349, P. 428
Signed: 5/18/56; Rec. 5/18/56

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P. O. Box 1019
Troy, New York

"all that certain lot or parcel of land situate in said Warren, Knox County, Maine, and bounded and described as follows; viz: BEGINNING at a stake and stone on the east side of Georges River at the northwest corner of land formerly of James Matthews, now of one Kallogh; thence east northeast by land of said Kallogh one hundred rods to the town road; thence northerly by said road about forty rods to land of James Russell; thence west southwest by said Russell's land one hundred twenty rods to said Georges River; thence southerly by said river to the first mentioned bound, containing thirty-five acres, more or less, with buildings thereon.

ALSO, another lot or parcel of land situate in said Warren opposite the buildings on the above mentioned and described lot, and bounded and described as follows, viz: on the west and north by the highway leading from Warren to East Union; on the east by a stone wall and land formerly of one Miles Boggs; on the south by stone wall and land formerly of James Matthews, now of one Kallogh, containing about one-half acre.

EXCEPTING therefrom that small strip of land conveyed by the mortgagors herein to Central Maine Power Company by warranty deed dated August 23, 1949, and recorded September 2, 1949, in Book 309, Page 160, in the Knox Registry of Deeds."

***

Lease: 9.0-1-33; 4/8/58
Herbert O. and Grace G. Simmons
RFD #1, Warren, Maine

Grantor: Jethro Simmons
Grantee: Herbert O. Simmons
Warranty Deed: Rec. D.B. 278, P. 50
Signed: 12/2/42; Rec. 9/28/43

"Beginning at the northwest corner of land of E. Lawrence; thence running to a stake and stones in line of the Edward Thomas land; thence northwesterly by said Thomas land to the corner of land of Levi Robinson; thence southerly by said Robinson land to the southwest corner of the described lot; thence northeasterly by said Robinson land and land of Henry Farris

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Troy, New York

to the road leading to Union; thence northerly by said road to land formerly occupied by Benjamin Walter; thence by the southerly, westerly and northerly lines of land occupied by said Walter to the first mentioned bounds, excepting and reserving therefrom twenty-five acres sold to E. H. Lawrence, and fifteen acres sold to Edwin Smith; it being the same sold and conveyed by Helen Davis to C. F. Wotton, and the land subsequently occupied by this grantor, and also being the same property conveyed by Charles E. Starrett to this grantor by warranty deed dated March 1, 1926, and recorded Knox Registry of Deeds, Book 210, Page 314.

Grantor: Walter G. Starrett
Grantee: Herbert O. Simmons
Warranty Deed: Rec. D. B. 305, P. 220
Signed: 11/6/47; Rec. 1/18/49

"Bounded northerly by land of the late John Witham; bounded easterly by land of the estate of Elisha H. Lawrence; bounded southerly by land of Jethro Simmons and bounded westerly by land of the late Levi Robinson; containing about fifteen acres, more or less."

***

Lease: 9.0-1-34; 4/12/58
Stanley A. and Carole A. Soboleski
RFD #1, Warren, Maine

Grantor: Earl B. Thomas
Grantee: Stanley Adam and Carole Ann Soboleski
Warranty Deed; Rec. D. B. 345, P. 398
Signed: 8/19/55; Rec. 8/19/55

"Beginning on the westerly side of the highway leading from Warren to Union, known as Route 131, at an iron bolt at the northeasterly corner of land of Herbert Simmons, formerly Jethro Simmons; thence south 87 deg. 30 min. West by land of said Simmons 1400 feet more or less to an iron bolt at corner of land of said Herbert Simmons, formerly of Harriet E. Witham; thence north 20 deg. 30 min. West by land of said Simmons 609 feet to a stone monument at stone wall at land of Metcalf, formerly of John M. Witham; thence north

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Troy, New York

77 deg. East by land of said Metcalf and by land of Parreault 1445 feet more or less to stone bound at the westerly line of the aforesaid road; thence south 14 deg. East by said road 857 feet more or less to the place of beginning containing 23.92 acres. Reference is hereby made to a plan and survey of said premises made by David O. Knowlton, Surveyor."

***

Lease: 9.0-1-35; 4/15/58
Gladys and Ralph Hupper
RFD #1, Warren, Maine

Grantor: Lawrence E. Stinson
Grantee: Gladys Hupper
Warranty Deed: Rec. D.B. 331, P. 67
Signed: 3/20/53; Rec. 3/20/53

"Lands with buildings thereon, situated in Warren, in said County of Knox, and bounded and described as follows; to wit: Beginning on the westerly side of the highway leading from Warren to Union and at the line of land formerly of Wood as marked by a stone wall; thence westerly about 175 rods, by land formerly of said Wood, to land of G.A. and W. J. Creighton; thence southerly about 60 rods by said land of Creightons to land formerly of Payson; thence by land formerly of Payson and (crossing said Highway) by land formerly of Cushman heirs, about 366 rods, to stake and stones at the southeast corner of the premises herein described as now or formerly marked by the enclosed fence; thence northerly as the fence runs 26-1/2 rods to land formerly of said Wood; thence westerly by what was formerly said Woods land 183 rods to the highway; thence by said highway, southerly, to a point on the easterly side thereof opposite to the point of beginning and in line with the easterly part of the line first above described; thence across said highway, westerly to the place of beginning."

***

Lease: 9.0-1-36
George E. Maker and Olive (Maker) Watton
RFD #1, Warren, Maine

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

For purposes of description, refernce is made to a quit-claim deed from George L. Simmons to Maynard H. and Georgia C. Metcalf, dated 7/22/52, and recorded 7/22/52, Knox Registry of Deeds, Book 328, Page 11:

"a certain lot or parcel of land, situated in Warren, County of Knox and State of Maine, consisting of forty-four (44) acres of land, more or less, bounded and described as follows:

Bounded North by land of Lawrence Weaver;
Bounded East by road to Union;
Bounded South by land of F. E. Thomas; and
Bounded West by land of Ed Hilt.

Being the same premises conveyed to this grantor, the said George L. Simmons, by deed of inhabitants of the Town of Warren by deed dated February 28, 1942, recorded in Knox Registry of Deeds, Book 265, Page 465.

EXCEPTING from the above described premises a certain lot or parcel of land conveyed by this grantor to Louis A. Parreault, Sr., said lot being two hundred feet on road leading from Warren to Union and two hundred feet on line of land now or formerly of F. E. Thomas, said lot being two hundred feet wide and two hundred feet deep."

***

Lease: 9.0-1-37; 4/26/58
Carrie R. and Dana H. Smith, and Lillian R. and Joseph K. P. Porter
Warren, Maine and Evansville, Wisconsin

For property location and description, reference is made to the accompanying property map.

***

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

For property location and description, reference is made to the accompanying property map for the following leases:

Lease: 9.0-1-42; 5/7/58
Martin J. and Marie D. Hill
Waldoboro, Maine
45 Acres; Warren Township

***

Lease: 9.0-1-43; 5/8/58
Winifred V. and Helen L. Tabbutt
Thomaston, Mass.
45 Acres; Warren Township

***

Lease: 9.0-1-44; 5/8/58
Joe V. and Esther Ohtonen
Waldoboro, Maine
110 Acres; Warren Township

***

Lease: 9.0-1-45; 5/9/58
Hilma Teirila
Waldoboro, Maine
75 Acres; Warren Township

***

Lease: 9.0-1-46; 5/9/58
Leda A. and George A. Martin
Waldoboro, Maine
200 Acres; Warren Township

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

In lieu of individual "Consent to Lien" agreements, U. S. Government Form MF-205, Roland F. Beers, Inc., is supplying Performance Bond to cover the foregoing described properties and all other properties to come under Corporation control in the exploration area during the life of a DMEA contract.

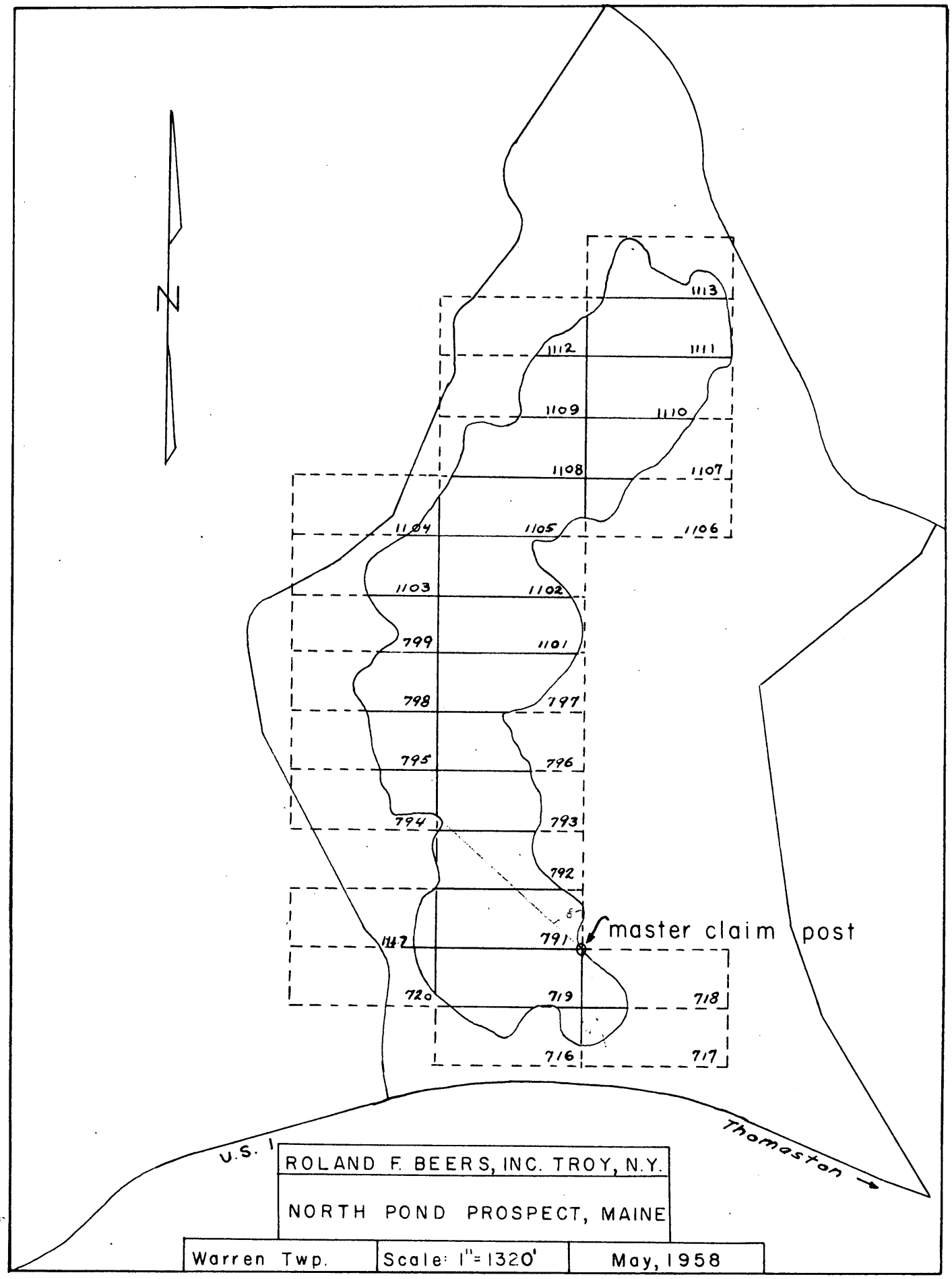
Claims Information

In addition to the land actually under lease on this date, the Corporation has staked claim to State-owned mineral rights under Crawford Pond, North Pond, and South Pond. On these ponds, the Corporation holds 117 (twenty-one acre) claims (or parts thereof), all duly recorded with the Maine Mining Bureau, State Office Building, Augusta, Maine. Detail maps showing the locations of the ponds and claims are attached.

1. (b) Warren-Friendship Prospect Area.

1. (c) Lessee, Purchaser under Contract; see attached leases and lease-options.

1. (d) None known.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master claim post
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717
U.S. 1
Thomaston
ROLAND F. BEERS, INC. TROY, N.Y.
NORTH POND PROSPECT, MAINE
Warren Twp.
Scale: 1" = 1320'
May, 1958

Fig. 7

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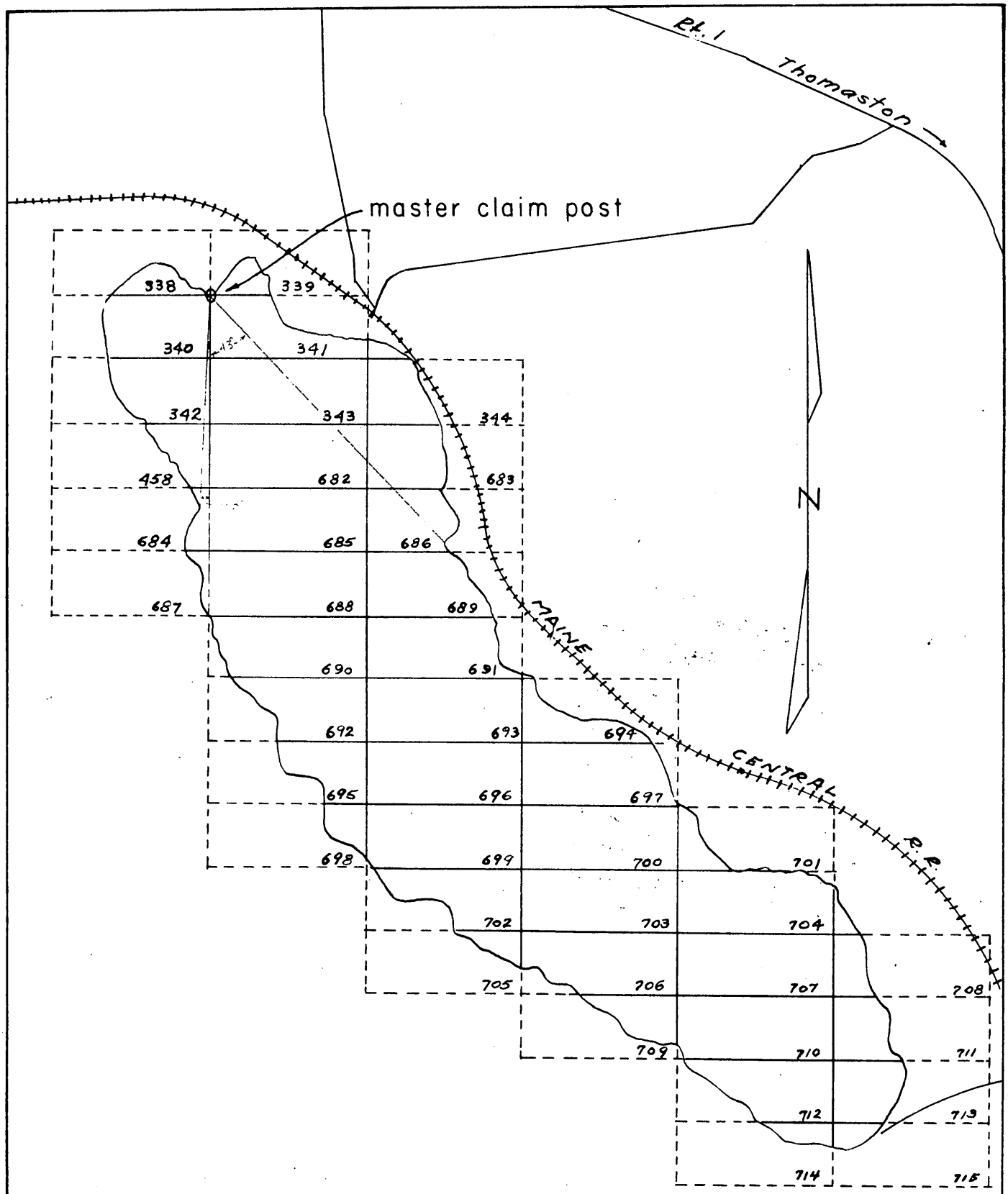
DATE



ROLAND F. BEERS, INC. TROY, N.Y.		
SOUTH POND PROSPECT, MAINE		
Warren Twp.	Scale: 1"=1320'	May, 1958

Fig. 8

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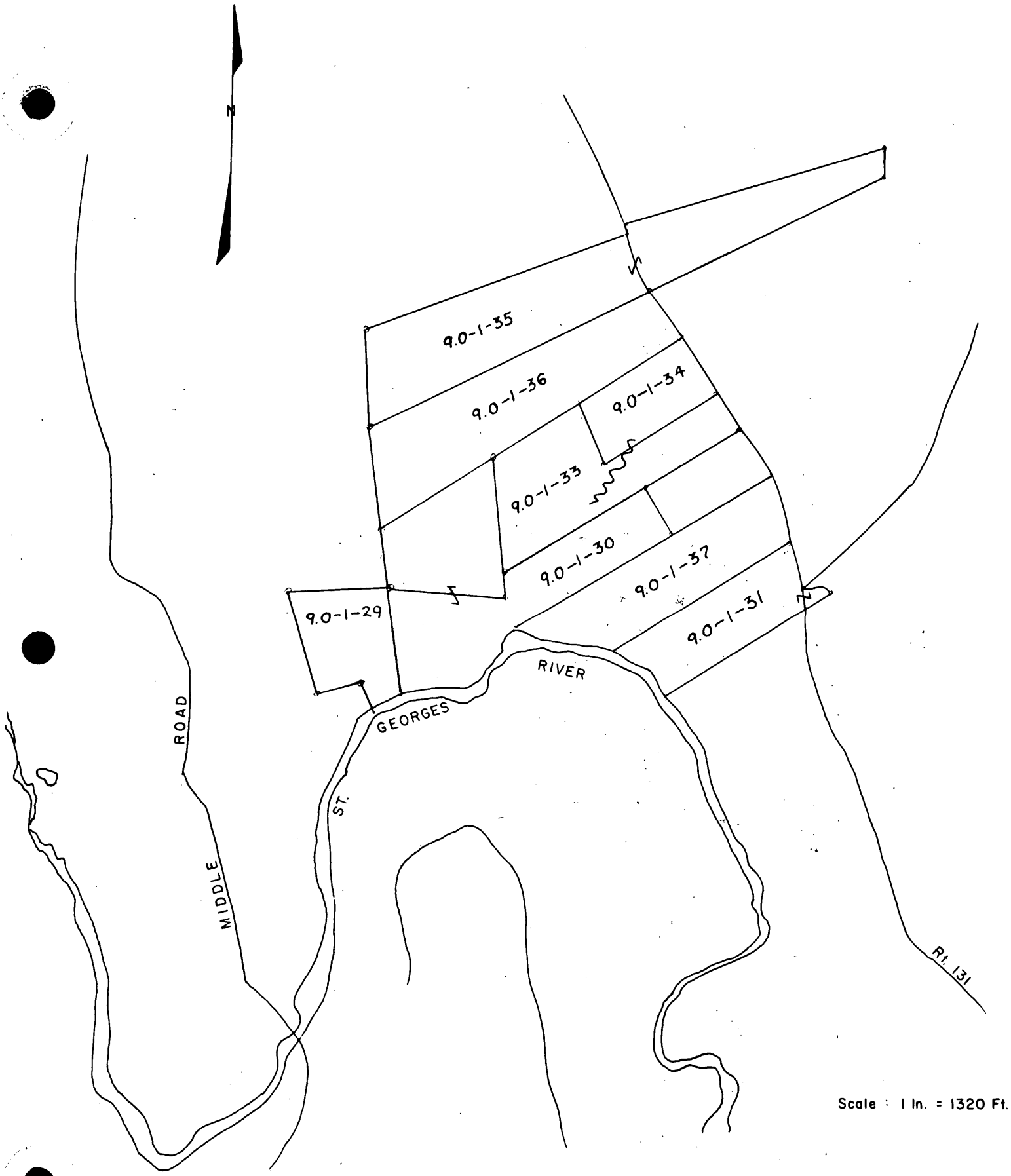

NOTE: LEASE Nos. ON PROPERTY

ULTRABASIC OUTCROP

LEASE DISTRIBUTION MAP

SIMMONS PROSPECT

R.F BEERS, INC. TROY, N.Y.

Fig. 9

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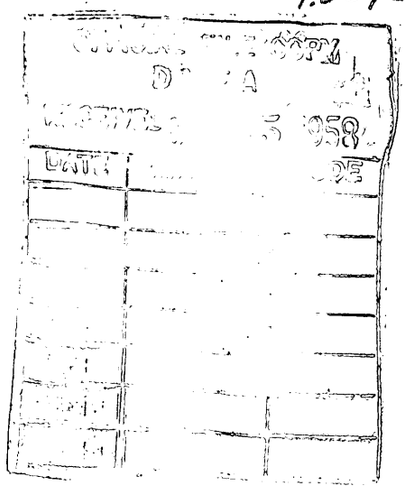
9.0-1-29



MINING LEASE

from

Ella E. & Ruth M. Creamer
RFD #1, Warren, Me.

to

ROLAND F. BEERS, INC., TROY, NEW YORK

Date of Lease 5 April, 1955

No. of Acres 30 acres, more or less.

County of Knox

State of Maine

Expiration of Definite Term 5 yrs.

RECORDER'S DATA

Received for Record ..... 19.....

Recorded ..... 19.....

In Book ..... Page.....

..... Recorder

of .....

AGREEMENT made and entered into this 8th day of April A. D., 1958

between Ella E. & Ruth M. Creamer

RD #1, Warren County of Knox

State of Maine of the first part, hereinafter referred to as Lessor, and Roland F. Beers, Inc. of Troy, New York, of the second part, hereinafter referred to as Lessee.

WITNESSETH:

1. (LEASING CLAUSE) That Lessor, in consideration of the sum of One Dollar Cash in hand paid, the receipt of which is hereby acknowledged, under the covenants, conditions, and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, does lease, let, and demise exclusively to Lessee, all and every prospecting and mining right and privilege in and upon the lands hereinafter described, together with the privilege of erecting and installing any and all machinery and equipment, necessary or convenient, for the sole purpose of prospecting, mining, processing and marketing of ores and minerals as found on this land alone or co-jointly with neighboring lands.

The following described premises owned by Lessor and situated in Warren Twp., Knox County and State of Maine.

~~bounded substantially by the following lands:~~

~~NORTH~~ as described in D.B. 351, Page

~~EAST~~ 90, Knox Registry of Deeds,

~~SOUTH~~ Knox Co., Maine.

~~WEST~~

containing (30) Thirty acres, more or less, reserving, however, three hundred (300) feet from the main buildings now on the premises, on which no mine shaft shall be placed by either party except by mutual consent.

2. (LESSOR'S COVENANTS) Lessor warrants and agrees to defend the title to the lands hereinbefore described, and agrees that Lessee at its option may pay and discharge any taxes, mortgages or other liens existing, levied or assessed on or against the above described lands, and, in the event that it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien, any royalty or rentals accruing hereunder.

3. (TERM) This lease shall run for a period of five (5) years, and so long thereafter as mining operations are performed or maintained on said leased premises unless terminated sooner as herein provided. If Lessee has discovered an ore body on said leased premises at the time of expiration of said term, Lessee may at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, in which event Lessee shall give Lessor written notice of its intension so to do on or before sixty (60) days prior to the expiration of said term. Upon the renewal of said lease, all royalties, advances or otherwise, shall continue to be paid as though said lease had never been terminated.

4. (MINING RIGHTS) This lease conveys the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land. Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on, and the public highway. Ores mined from the leased premises may be milled and prepared for market thereon, or on other lands, separately or in connection with other ores, as Lessee may elect. Lessee, however, shall use one roadway to and from any mine or mill on said land, and shall keep all gates closed on such part of said premises as are used by it. Lessee agrees that all of its operations on said premises shall be conducted in accordance with good and customary mining practices. Lessee shall have the privilege of raising ores from said land through shafts or inclines on other lands in the area, and the privilege of milling, cleaning or otherwise treating such ores in plants or mills located upon such lands. Lessee shall also have the privilege of raising ores mined from other land through shafts or inclines which Lessee has sunk or driven on the leased premises for the purpose of working same, and of milling, cleaning or otherwise treating such ores in mills or plants located upon the leased premises The privileges referred to in the last preceding sentence shall survive the termination, by expiration or otherwise, of the lease. For any period after such termination during which Lessee is (a) raising, through a shaft driven on the demised premises ores exclusively from other lands in which Lessor has no interest, or (b) milling, cleaning or otherwise treating on the demised premises, ores exclusively from such other lands, or (c) doing both (a) and (b), Lessee shall pay Lessor five hundred (500) dollars per year. The right to use underground inclines or exploration openings existing in the leased premises at the termination of this lease shall also survive such termination for so long as the use of any of the same may be necessary or convenient for any mining purpose connected with this or any other property.

During the term of this contract all rock waste and jig tailings resulting from the operation of any mines located on said premises may be sold by Lessee, and Lessee shall pay to Lessor fifty (50) per cent of the net sales price. It is agreed that either Lessor or Lessee shall have the right to use, without cost, so much of said tailings or waste rock as may be required in connection with mining or milling operations or for use on the leased premises. Lessee's judgment and decision as to all matters pertaining to waste materials shall be final and binding. In case of forfeiture or surrender of this lease, all tailings and waste, not sold, or remaining on the leased premises, if not sold and removed within two (2) years, become the

property of the Lessor, and Lessee waives all rights thereto and shall be released and relieved from all further obligations or liabilities hereunder.

Should Lessee erect a mill on the leased premises, it agrees to pay Lessor the reasonable annual value of the portion of the surface of the premises required for such mill site, and the necessary storage facilities for ore and tailings. If such value cannot be agreed upon by the parties, it shall be submitted for arbitration as hereinafter provided. Such mill and storage facilities may be established before arbitration, and payment shall be made promptly after such arbitration is concluded. Upon payment, Lessor shall grant, by instrument in writing independent of this lease, the exclusive right, privilege and license to use the mill site and storage facilities for milling, beneficiating, stock piling and storing ores, concentrates, minerals, metals, pertinent in connection with mining or milling, so long as Lessee shall deem necessary.

Anything hereinbefore to the contrary notwithstanding, Lessee shall have the right to remove any of its property used in connection with the exercise of the rights and privileges referred to in the preceding sentences of this paragraph within six (6) months after tendering a release of the same.

5. **(DAMAGES)** Lessee shall cover and case all prospect holes, and shall pay all damage to growing crops or timber. Should any regularly used water supply on the premises be drained by mining operations carried on by Lessee, the Lessee agrees to furnish Lessor with a new water supply equal to the existing water supply before mining operations were carried on.

6. **(ADVANCED ROYALTIES AND WORK REQUIREMENTS)** Lessee, except as hereinotherwise provided, each year during the life of this agreement beginning 8 April 1952 (hereinafter referred to as "work year") shall:

A. Perform mining operations, conducted in good and miner-like manner and in conformity with proper practice, or,

B. Explore by means of bona fide drilling methods, or,

C. Prospect geophysically by means of airborne or ground-operated scientific equipment, or prospect geochemically by means of soil analysis and laboratory experiments, or,

D. Pay the sum of fifty (50) cents per acre per year on or before the expiration of any work year during which Lessee has not performed either A. B. or C. such payment to be considered advance royalty against subsequent royalties provided, if Lessee terminates this lease prior to the expiration of any work year Lessee shall pay Lessor on a pro-rata basis for those months during such work year that this lease was in force and effect. After the first four work years of this lease, the Lessee will pay to the Lessor ten (10) dollars an acre in lieu of required mining work referred to in (A) above during any work year, payable at the end thereof, as advance royalty applicable against subsequent royalties.

7. **(SUSPENSION OF WORK ON LOW MARKET)** In the event of a drop in the market price of Zinc or Copper as quoted in the Engineering and Mining Journal, to less than twelve (12) cents per pound for Zinc, and forty (40) cents per pound for Copper, the Lessee may suspend all operations until the quoted prices are again equal to at least twelve (12) cents per pound for Zinc and forty (40) cents per pound for Copper, and that during such period this lease shall remain in effect without the payment of a minimum advance royalty. The suspension of such work shall not exceed a period of four (4) years at any one time.

8. **(ROYALTIES)** Lessee will pay to Lessor a royalty of five (5) per cent of the market value of such sulfide and metallic concentrates from ores mined and marketed from the leased premises. "Concentrates," for the purposes hereof, means the salable Zinc, Lead, Copper, Nickel, Cobalt, Iron, Sulfides, Gold, and Silver economically recoverable, as determined above at the mill or concentrating plant where treated. "Market value," for the purposes hereof when used with respect to the sulfide minerals listed above, means the price established f.o.b. cars at the mill by responsible buyers of concentrates of a similar grade and kind produced from ores mined and milled in said district and prevailing at the time the ores are delivered to the mill for treatment.

9. **(ROYALTY PAYMENTS)** Royalty payments shall be made by the Lessee on or before the last day of each calendar month for all ores delivered at the mill during the preceding calendar month. Royalty or other payments under this agreement shall be paid (a) to Lessor at RFD #1, Warren, Maine or (b) as Lessor may in writing designate.

10. **(RECORDS AND REPORTS)** Lessee agrees to keep an accurate record of all ores mined from the leased premises and of all calculations relative to royalty payments hereunder. Said records may be inspected by Lessor at all reasonable times. Lessee will make available for Lessor's inspection, at all reasonable times during the term of this lease, information as to the location and footage of each hole drilled on said land. At the termination Lessee will furnish a factual record of any holes drilled on the land together with a map showing the location of such holes.

11. **(FORFEITURE)** In case of failure of Lessee to keep and perform the terms and obligations of this lease, Lessor may give thirty (30) days written notice of the breach or violation complained of, and if such violation or default is not removed, or as nearly corrected as possible, within said period, this lease shall thereupon terminate, provided, however, that no forfeiture shall be asserted where Lessee claims no breach or violation has occured or that the same has been removed or corrected as nearly as possible within the ninety (90) day period, in which event the same shall be submitted for arbitration in accordance with Paragraph 14 of this lease, provided further that no forfeiture shall be asserted based on cessation or delays in operations hereunder when occasioned by fire, war, riot, civil commotion, strikes, operations of law or interference by the Government or its agencies, acts of nature or other causes,

whether like or unlike those enumerated, beyond the control of Lessee. Upon forfeiture, Lessee shall account for and pay royalties accrued to the date of such termination.

12. (SURRENDER) Lessee may at any time surrender this lease by executing and tendering to Lessor a written release thereof, and from and after such tender Lessee shall be released and relieved from all further obligations and liability hereunder, with respect to or in any way connected with the above described premises or the exercise of Lessee's rights hereunder, except to account for and make payments accrued during the life hereof. Tender of such release may be made by delivery of same to Lessor in person, or to his agent, or by recording in the office of the Clerk of the Court of the County in which the leased premises are located, of such release, and paying the recording fee.

13. (NOTICES) All notices herein provided to be given in writing shall, unless otherwise provided, be mailed by registered mail to the address following, until some other address is designated in a notice to given.

LESSORS ADDRESS: RFD #1, Warren, Maine.

14. (ARBITRATION) In the event the parties hereto can not mutually agree upon any matters arising out of this lease, the same shall be determined by arbitration; the Lessor to select one arbitrator, the Lessee to select one arbitrator, and the two arbitrators so selected to select a third arbitrator. Such submission to arbitration shall be a condition precedent to action by either party hereto, in any court, and it is hereby expressly agreed between the parties hereto that such submission to arbitration may be entered of record in the court of proper jurisdiction. The determination by such arbitration shall be binding and conclusive on the parties hereto and may be entered up as the judgment or decree of such court. Expenses of the arbitration shall be borne by the parties equally.

15. (ASSIGNABILITY) This lease shall be binding upon and enure to the benefit of the respective parties hereto, and their personal representatives, successors and assigns.

16. (~~ENTIRE~~ CONTRACT) It is agreed that the entire contract and agreement between Lessor and Lessee is embodied herein, and that no oral warranties, representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying or as an inducement to this Agreement.

IN WITNESS WHEREOF, Lessor and Lessee have hereunto set their hands and seals the day and year first above written.

In the presence of:

LESSOR

Benjamin A. Jones — Ella E. Cramer

Benjamin A. Jones — Ruth M. Cramer

(seal)

(seal)

Roland F. Beck, Inc.

By Robert J. Gassey, Agent (seal)

STATE OF Maine

COUNTY OF Knox

I, Doris V. Styler, a Notary Public in and for the State and County aforesaid, do hereby certify that Ella E. Cramer and ~~his wife~~ Ruth M. Cramer personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal this 8th day of April 1958

Doris V. Styler
Notary Public

My Commission expires:
April 29, 1960

9.0-1-30

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 15 1958

DATE	INITIALS	CODE

7
0
1
30

MINING LEASE

from

Ella E. & Ruth M. Creamer
RFD #1, Warren, Me

to

MILAN F. REEK, INC., TROY, NEW YORK

Date of Lease 8 April, 1958

No. of Acres 72 acres, more or less

County of Knox

State of Maine

Expiration

Received for Record ..... 19.....

Recorded ..... 19.....

In Book ..... Page.....

..... Recorder

of .....

AGREEMENT made and entered into this 8th day of April A. D., 1958

by and between Ella E. & Ruth M. Creamer,

of RFD #1, Warren County of Knox

and State of Maine of the first part, hereinafter referred to as Lessor, and Roland F. Beers, Inc. of Troy, New York, of the second part, hereinafter referred to as Lessee.

WITNESSETH:

1. (LEASING CLAUSE) That Lessor, in consideration of the sum of One Dollar Cash in hand paid, the receipt of which is hereby acknowledged, under the covenants, conditions, and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, does lease, let, and demise exclusively to Lessee, all and every prospecting and mining right and privilege in and upon the lands hereinafter described, together with the privilege of erecting and installing any and all machinery and equipment, necessary or convenient, for the sole purpose of prospecting, mining, processing and marketing of ores and minerals as found on this land alone or co-jointly with neighboring lands.

The following described premises owned by Lessor and situated in Warren Twp., Knox County and State of Maine ~~bounded substantially by the following lands~~: as recorded in

~~NORTH~~

~~EAST~~ D.B. 186, Page 239, Knox Registry

~~SOUTH~~ of Deeds, Knox Co., Maine,

~~WEST~~

containing seventy-two (72) acres, more or less, reserving, however, three hundred (300) feet from the main buildings now on the premises, on which no mine shaft shall be placed by either party except by mutual consent.

2. (LESSOR'S COVENANTS) Lessor warrants and agrees to defend the title to the lands hereinbefore described, and agrees that Lessee at its option may pay and discharge any taxes mortgages or other liens existing, levied or assessed on or against the above described lands, and, in the event that it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying to the discharge of any such mortgage tax, or other lien, any royalty or rentals accruing hereunder.

3 (TERM) This lease shall run for a period of five (5) years, and so long thereafter as mining operations are performed or maintained on said leased premises unless terminated sooner as herein provided. If Lessee has discovered an ore body on said leased premises at the time of expiration of said term, Lessee may at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, in which event Lessee shall give Lessor written notice of its intension so to do on or before sixty (60) days prior to the expiration of said term Upon the renewal of said lease, all royalties, advances or otherwise, shall continue to be paid as though said lease had never been terminated.

4. (MINING RIGHTS) This lease conveys the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on, and the public highway. Ores mined from the leased premises may be milled and prepared for market thereon, or on other lands, separately or in connection with other ores, as Lessee may elect Lessee however shall use one roadway to and from any mine or mill on said land, and shall keep all gates closed on such part of said premises as are used by it Lessee agrees that all of its operations on said premises shall be conducted in accordance with good and customary mining practices. Lessee shall have the privilege of raising ores from said land through shafts or inclines on other lands in the area, and the privilege of milling, cleaning or otherwise treating such ores in plants or mills located upon such lands Lessee shall also have the privilege of raising ores mined from other land through shafts or inclines which Lessee has sunk or driven on the leased premises for the purpose of working same, and of milling, cleaning or otherwise treating such ores in mills or plants located upon the leased premises The privileges referred to in the last preceding sentence shall survive the termination, by expiration or otherwise, of the lease For any period after such termination during which Lessee is (a) raising, through a shaft driven on the demised premises ores exclusively from other lands in which Lessor has no interest, or (b) milling, cleaning or otherwise treating on the demised premises, ores exclusively from such other lands, or (c) doing both (a) and (b), Lessee shall pay Lessor five hundred (500) dollars per year The right to use underground inclines or exploration openings existing in the leased premises at the termination of this lease shall also survive such termination for so long as the use of any of the same may be necessary or convenient for any mining purpose connected with this or any other property

During the term of this contract all rock waste and jig tailings resulting from the operation of any mines located on said premises may be sold by Lessee, and Lessee shall pay to Lessor fifty (50) per cent of the net sales price. It is agreed that either Lessor or Lessee shall have the right to use, without cost, so much of said tailings or waste rock as may be required in connection with mining or milling operations or for use on the leased premises. Lessee's judgment and decision as to all matters pertaining to waste materials shall be final and binding. In case of forfeiture or surrender of this lease, all tailings and waste, not sold, or remaining on the leased premises, if not sold and removed within two (2) years, become the

property of the Lessor, and Lessee waives all rights thereto and shall be released and relieved from all further obligations or liabilities hereunder.

Should Lessee erect a mill on the leased premises, it agrees to pay Lessor the reasonable annual value of the portion of the surface of the premises required for such mill site, and the necessary storage facilities for rock and tailings. If such value cannot be agreed upon by the parties, it shall be submitted for arbitration as hereinafter provided. Such mill and storage facilities may be established before arbitration, and payment shall be made promptly after such arbitration is concluded. Upon payment, Lessor shall grant to Lessee, by instrument in writing independent of this lease, the exclusive right, privilege and liberties to use the mill site and storage facilities for milling, beneficiating, stock piling and storing ores, concentrates, minerals, metals, pertinent in connection with mining or milling, so long as Lessee shall deem necessary.

Anything hereinbefore to the contrary notwithstanding, Lessee shall have the right to remove any of its property used in connection with the exercise of the rights and privileges referred to in the preceding sentences of this paragraph within six (6) months after tendering a release of the same.

5. (DAMAGES) Lessee shall cover and case all prospect holes, and shall pay all damages to growing crops or timber. Should any regularly used water supply on the premises be drained by mining operations carried on by Lessee, the Lessee agrees to furnish Lessor with a new water supply equal to the existing water supply before mining operations were carried on.

6. (ADVANCED ROYALTIES AND WORK REQUIREMENTS) Lessee, except as herein otherwise provided, each year during the life of this agreement beginning April 8, 1957 (hereinafter referred to as "work year") shall:

A. Perform mining operations, conducted in good and miner-like manner and in conformity with proper practice, or,

B. Explore by means of bona fide drilling methods, or,

C. Prospect geophysically by means of airborne or ground-operated scientific equipment, or prospect geochemically by means of soil analysis and laboratory equipment, or,

D. Pay the sum of fifty (50) cents per acre per year on or before the expiration of any work year during which Lessee has not performed either A. B. or C. such payment to be considered advance royalty against subsequent royalties provided, if Lessee terminates this lease prior to the expiration of any work year Lessee shall pay Lessor on a pro-rata basis for those months during such work year that this lease was in force and effect. After the first four work years of this lease, the Lessee will pay to the Lessor ten (10) dollars an acre in lieu of required mining work referred to in (A) above during any work year, payable at the end thereof, as advance royalty applicable against subsequent royalties.

7. (SUSPENSION OF WORK ON LOW MARKET) In the event of a drop in the market price of Zinc or Copper as quoted in the Engineering and Mining Journal, to less than twelve (12) cents per pound for Zinc, and forty (40) cents per pound for Copper, the Lessee may suspend all operations until the quoted prices are again equal to at least twelve (12) cents per pound for Zinc and forty (40) cents per pound for Copper, and that during such period this lease shall remain in effect without the payment of a minimum advance royalty. The suspension of such work shall not exceed a period of four (4) years at any one time.

8. (ROYALTIES) Lessee will pay to Lessor a royalty of five (5) per cent of the market value of such sulfide and metallic concentrates from ores mined and marketed from the leased premises. "Concentrates," for the purposes hereof, means the salable Zinc, Lead, Copper, Nickel, Cobalt, Iron, Sulfides, Gold, and Silver economically recoverable, as determined above at the mill or concentrating plant where treated. "Market value," for the purposes hereof when used with respect to the sulfide minerals listed above, means the price established f.o.b. cars at the mill by responsible buyers of concentrates of a similar grade and kind produced from ores mined and milled in said district and prevailing at the time the ores are delivered to the mill for treatment.

9. (ROYALTY PAYMENTS) Royalty payments shall be made by the Lessee on or before the last day of each calendar month for all ores delivered at the mill during the preceding calendar month. Royalty or other payments under this agreement shall be paid (a) to Lessor at RFD #1, Lorrain, Maine or (b) as Lessor may in writing designate.

10. (RECORDS AND REPORTS) Lessee agrees to keep an accurate record of all ores mined from the leased premises and of all calculations relative to royalty payments hereunder. Said records may be inspected by Lessor at all reasonable times. Lessee will make available for Lessor's inspection, at all reasonable times during the term of this lease, information as to the location and footage of each hole drilled on said land. At the termination Lessee will furnish a factual record of any holes drilled on the land together with a map showing the location of such holes

11. (FORFEITURE) In case of failure of Lessee to keep and perform the terms and obligations of this lease, Lessor may give thirty (30) days written notice of the breach or violation complained of, and if such violation or default is not removed or as nearly corrected as possible, within said period, this lease shall thereupon terminate, provided, however, that no forfeiture shall be asserted where Lessee claims no breach or violation has occured or that the same has been removed or corrected as nearly as possible within the ninety (90) day period in which event the same shall be submitted for arbitration in accordance with Paragraph 14 of this lease, provided further that no forfeiture shall be asserted based on cessation or delays in operations hereunder when occasioned by fire, war, riot, civil commotion, strikes, operations of law or interference by the Government or its agencies, acts of nature or other causes,

whether like or unlike those enumerated, beyond the control of Lessee. Upon forfeiture, Lessee shall account for and pay royalties accrued to the date of such termination.

12. (SURRENDER) Lessee may at any time surrender this lease by executing and tendering to Lessor a written release thereof, and from and after such tender Lessee shall be released and relieved from all further obligations and liability hereunder, with respect to or in any way connected with the above described premises or the exercise of Lessee's rights hereunder, except to account for and make payments accrued during the life hereof. Tender of such release may be made by delivery of same to Lessor in person, or to his agent, or by recording in the office of the Clerk of the Court of the County in which the leased premises are located, of such release, and paying the recording fee.

13. (NOTICES) All notices herein provided to be given in writing shall, unless otherwise provided, be mailed by registered mail to the address following, until some other address is designated in a notice so given.

LESSORS ADDRESS: R.F.D. #1, Warren, Maine.

14. (ARBITRATION) In the event the parties hereto can not mutually agree upon any matters arising out of this lease, the same shall be determined by arbitration; the Lessor to select one arbitrator, the Lessee to select one arbitrator, and the two arbitrators so selected to select a third arbitrator. Such submission to arbitration shall be a condition precedent to action by either party hereto, in any court, and it is hereby expressly agreed between the parties hereto that such submission to arbitration may be entered of record in the court of proper jurisdiction. The determination by such arbitration shall be binding and conclusive on the parties hereto and may be entered up as the judgment or decree of such court. Expenses of the arbitration shall be borne by the parties equally.

15. (ASSIGNABILITY) This lease shall be binding upon and enure to the benefit of the respective parties hereto, and their personal representatives, successors and assigns.

16. (ENTIRE CONTRACT) It is agreed that the entire contract and agreement between Lessor and Lessee is embodied herein, and that no oral warranties, representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying or as an inducement to this Agreement.

IN WITNESS WHEREOF, Lessor and Lessee have hereunto set their hands and seals the day and year first above written.

In the presence of:

Benjamin A. Lane
Benjamin A. Lane

LESSOR

Ella E. Creamer
Ruth M. Creamer (seal)
(seal)
Roland F. Dyer, Jr.
By Robert L. Dyer, (seal)
Agent

STATE OF Maine
COUNTY OF Knox

I, Doris V. Hyler, a Notary Public in and for the State and County aforesaid, do hereby certify that Ella E. Creamer and ~~his wife~~ Ruth M. Creamer personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal this 8th day of April 1958

Doris V. Hyler
Notary Public

My Commission expires:
April 29, 1960

9.0-1-31

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 15 1959
INITIALS

MINING LEASE

FROM

Leo A. & Joan F. Laukka

TO

ROLAND F. BEERS, INC.
TROY, NEW YORK

Date of Lease April 8, 1958

Number of Acres 35½, more or less

County of Knox

State of Maine

Expiration of Definite Term 5 yrs.

RECORDER'S DATA

Received for Record _____, 19__

Recorded _____, 19__

Recorded _____, 19__

In Book _____ Page _____

_____, Recorder

of _____

Agreement

Made and entered into this 8th day of April A. D., 1958 by and between Lac A. Laukka and his wife, Jean F. Laukka of RFD #1, Box 50, Warren County of Knox and State of Maine of the first part, hereinafter referred to as Lessor, and Roland F. Boers, Inc., of Troy, New York, of the second part, hereinafter referred to as Lessee.

Witnesseth:

1. (LEASING CLAUSE) That Lessor, in consideration of the sum of One Dollar Cash in hand paid, the receipt of which is hereby acknowledged, under the covenants, conditions, and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, does lease, let and demise exclusively to Lessee, all their right, title and interest in and to all and every prospecting, mining and quarrying right and privilege in and upon the lands hereinafter described, together with the privilege of erecting and installing any and all machinery and equipment, necessary or convenient, for the sole purpose of prospecting, mining, quarrying, processing and marketing of ores and minerals as found on this land alone or on neighboring lands.

The following described premises owned by Lessor and situated in Warren Twp., Knox County and State of Maine, being all of their right, title and interest in and to the premises conveyed by Nile T. and Ellen Greenlees to said Lac A. & Jean F. Laukka by a deed dated May 18, 1956 and recorded May 18, 1956, in Liber No. 349 of Deeds at Page 428. containing approximately 35½ acres, more or less. However, no mine shaft shall be placed within three hundred (300) feet of any building now on the premises except by mutual consent.

2. (LESSOR'S COVENANTS) Lessor agrees that Lessee at its option may pay and discharge any taxes, mortgages or other liens now existing, levied or assessed on or against the above described lands or any subsequent liens incurred by the lessors, and, in the event that it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien, any royalty or rentals accruing hereunder.

3. (LESSEE'S COVENANTS) Lessee shall pay for its own account, any and all taxes levied or assessed against the mines, minerals, mills, or mining and milling equipment on the above described premises during the term of this lease, and if not so paid, lessors, their heirs or assigns, may pay the same and charge such payment against the lessee as royalty due, or have any other legal remedy.

4. (TERMS) This lease shall run for a period of five (5) years, and so long thereafter as mining operations are performed or maintained on said leased premises unless terminated sooner as herein provided. If Lessee has discovered an ore body on said leased premises by the time of expiration of said term, Lessee may at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, except as to advance royalties which shall continue during any such renewal or renewal periods at a minimum of $10.00 per acre, in which event Lessee shall give Lessor written notice of its intention so to do on or before sixty (60) days prior to the expiration of said term. Upon the renewal of said lease, all royalties, advances or otherwise shall continue to be paid as though said lease had never been terminated.

5. (MINING RIGHTS) This lease conveys all the right, title and interest of the Lessors in the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land. Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on, and to the public highway. Lessee, however, shall use one roadway to and from any mine or mill on said land, and shall keep all gates closed or erect cattle guards on such part of said premises as are used by it. Lessee agrees that all of its operations on said premises shall be conducted in accordance with good and customary mining practices. Ores mined from the leased premises may be milled and prepared for market thereon or on other lands, separately or in connection with other ores, as Lessee may elect. Lessee shall have the privilege of raising ores from said land through shafts or inclines on other lands in the area, and the privilege of milling, cleaning or otherwise treating such ores in plants or mills located upon such lands. Lesseee shall also have the privilege of transporting to, across, through or under and of raising ores mined from other lands through tunnels, drifts, shafts or inclines which Lessee has sunk or driven on the leased premises for the purpose of working same and of milling, cleaning or otherwise treating such ores in mills or plants located upon the leased premises. The privileges referred to in the last preceding sentence shall survive the termination by expiration or otherwise of the lease. For any period after such termination during which Lessee is (a) raising, through a shaft driven on the demised premises ores exclusively from other lands in which Lessor has no interest, or (b) milling, cleaning or otherwise treating on the demised premises, ores exclusively from such other lands, or (c) doing both (a) and (b), Lessee shall pay Lessors five hundred (500) dollars per year. The right to use underground tunnels, drifts, inclines, or exploration openings existing in the leased premises at the termination of this lease shall also survive such termination without payment for such use for so long as the use of any of the same may be necessary or convenient for any mining purpose connected with this or any other property.

During the term of this contract all rock waste and jig tailing resulting from the operation of any mines located on said premises may be sold by Lessee, and Lessee shall pay to Lessor Fifty (50) per cent of the net sales price. It is agreed that either Lessor or Lessee shall have the right to use, without cost, so much of said tailing or waste rock as may be required in connection with mining or milling operations or for use on the leased premises. Lessee's Judgment and decision as to all matters pertaining to waste materials shall be final and binding. In case of forfeiture or surrender of this lease, all tailings and waste, not sold, or remaining on the leased premises, if not sold and removed within two (2) years, becomes the property of the Lessor and

Lessee waives all rights thereto and on payment of the damage to the surface by such deposit of rock waste and jig tailings left on the leased land more than two (2) years after termination Lessee shall be released and relieved from all further obligations or liabilities hereunder.

Should Lessee erect a mill on the leased premises or use any portion of the leased premises it agrees to pay Lessor the reasonable annual value of the portion of the surface of the premises required for such use and the necessary storage facilties for rock and tailings or other use. If such value cannot be agreed upon by the parties, it shall be submitted for arbitration as hereinafter provided. Such mill and storage facilities may be established before arbitration, and an annual payment shall be made promptly after such arbitration is concluded. Upon such annual payment, Lessor shall grant to Lessee, by instrument in writing independent of this lease, the exclusive right, privilege and license to use the mill site and storage facilities for milling, beneficiating, stock piling and storing ores, concentrates, minerals, metals, pertinent in connection with mining or milling, so long as Lessee shall deem necessary while this lease shall remain in effect.

Anything hereinbefore to the contrary notwithstanding, Lessee, if not in default, shall have the right to remove any of its property used in connection with the exercise of the rights and privileges referred to in the preceding paragraph within six (6) months after tendering a proper surrender and a release of this lease.

6. (DAMAGES) Lessee shall cover all prospect holes and shall pay all damage to buildings, growing crops or timber. Should any regularly used water supply on the premises be drained by mining operations carried on by Lessee, the Lessee agrees to furnish Lessor with a new water supply equal to the existing water supply before mining operations were carried on.

7. (ADVANCED ROYALTIES AND WORK REQUIREMENTS) Lessee, except as herein otherwise provided, each year during the life of this agreement beginning April 8, 1958, (hereinafter referred to as "work year") shall:

A. Perform mining operations, conducted in good and miner-like manner and in conformity with proper practice, or,

B. Explore by means of bona fide drilling methods, or,

C. Prospect geophysically by means of airborne or ground-operated scientific equipment, or prospect geochemically by means of soil, water or plant analysis and/or laboratory experiment, or,

D. Pay the sum of fifty (50) cents per acre per year on or before the expiration of any work year during which Lessee has not performed either A., B., or C. such payment to be considered advance royalty against subsequent earned royalties provided, if Lessee terminates this lease prior to the expiration of any work year Lessee shall pay Lessor on a pro-rata basis for those months during such work year that this lease was in force and effect, unless Lessee has performed either A., B., or C. during the previous part of the said work year. After the first four years of this lease, the Lessee will pay to the Lessor at least ten (10) dollars an acre on lands in which minerals are owned by Lessor and hereby leased, as royalty earned by mining work, referred to in (A) above or as advance royalty applicable against subsequent royalties.

8. (SUSPENSION OF WORK ON LOW MARKET) In the event of a drop in the market price of Zinc or Copper as quoted in the Engineering and Mining Journal, to less than twelve (12) cents per pound for Zinc, and forty (40) cents per pound for Copper, the Lessee may suspend all operations until the quoted prices are again equal to at least twelve (12) cents per pound for Zinc and forty (40) cents per pound for Copper, during such period this lease shall remain in effect with the payment of a minimum advance royalty of fifty (50) cents an acre per year. The suspension of such work shall not exceed a period of four (4) years at any one time.

9. (EARNED ROYALTIES) Lessee shall pay to the Lessor a royalty of five (5) percent of the net proceeds (except for such proceeds as is hereinafter specified for metallic ores) to Lessee before processing, realized by the Lessee in each month from all marketable nonmetallic mineral products produced from ore or mineral substances mined, quarried, or removed from the leased premises, in which minerals are owned by Lessor and hereby leased. Lessee shall pay a royalty of five (5) percent of the net smelter return (received by Lessee) less freight, of such sulfide and concentrates from metallic ores mined and markets from the leased premises in which minerals are owned by lessor and hereby leased. "Concentrates" for the purposes hereof means the salabel Zinc, Lead, Copper, Nickel, Cobalt, Iron, Gold or Silver minerals economically recoverable. "Net Smelter Return" for the purposes hereof when used with respect to the minerals listed above means the price established at smelter, less freight, by responsible buyers of such marketable mineral products or of concentrates of a similar grade and kind produced from ores mined and milled in said district and prevailing at the time the concentrates are delivered to the smelter for treatment; but lessee shall be entitled to take credit against any royalties payable under this paragraph for any advanced royalties previously paid during the term of this lease and not previously recovered by Lessee.

10. (ROYALTY PAYMENTS) Royalty payments shall be made by the Lessee on or before the last day of each calendar month for all ores delivered at the mill or smelter during the preceding calendar month. Royalty or other payments under this agreement shall be paid (a) to Lessor at RFD #1, Box 52, Warren, Me. or (b) as Lessor may in writing designate.

11. (RECORDS AND REPORTS) Lessee agrees to keep an accurate record of all ores mined from the leased premises and of all calculations relative to royalty payments hereunder. Said records may be inspected by Lessor at all reasonable times. Lessee will make available for Lessor's inspection, at the end of the term of this lease, information as to the location and footage of each hole drilled on said land. At the termination, Lessee will furnish a factual record of any holes drilled on the land together with a map showing the location of such holes, together with copies of all mining maps and records of mines on demised premises or on adjacent premises operated co-jointly with the demised premises.

12. (FORFEITURE) In case of failure of Lessee to keep and perform any of the terms and obligations of this lease, Lessor may give ninety (90) days written notice of the breach or violation complained of. If such violation or default is not removed, or as nearly corrected as possible, within said ninety (90) day period, this lease shall thereupon terminate; provided, however, that no forfeiture shall be asserted where Lessee claims no breach or violation has occurred or that the same has been removed or corrected as nearly as pos-

sible within the ninety (90) day period, in which event the same shall be submitted for arbitration in accordance with Paragraph 16 of this lease. Provided further that no forfeiture shall be asserted based on cessation or delays in operations hereunder when occasioned by fire, war, riot, civil commotion, strikes, operations of law or interference by the Government or its agencies, acts of nature or other causes, whether like or unlike those enumerated, beyond the control of Lessee. Upon forfeiture, Lessee shall account for and pay royalties accrued to the date of such termination and execute and tender to Lessor a written release and surrender thereof in proper form to be recorded in the Office of the ---Rensselaer--- County Clerk.

13. (SURRENDER) Lessee may at any time, when not in default, surrender this lease by executing and tendering to Lessor a written release thereof in proper form to be recorded in the Office of the Rensselaer County Clerk, and from and after such tender Lessee shall be released and relieved from all further obligations and liability hereunder, with respect to or in any way connected with the above described premises or the exercise of Lessee's rights hereunder, except to account for and make payments accrued during the life hereof. Tender of such release may be made by delivery of same to Lessor in person, or to his agent, or by recording such release in the Office of the Clerk of the Court of the County in which the leased premises are located, and paying the recording fee.

~~14. (OPTION) Lessee agrees at any time during the terms of this lease or any renewal or renewals thereof, to sell to the Lessor so much of the timber, machinery or buildings, as may be required by the Lessee for its operations at a price of ------ dollars per acre for land used for pasture and ------ dollars per acre for land used for cropping, Lessee to pay the expenses of such transfer.~~

~~15. (OPTION) Lessee hereby grants to Lessee the first option during the term of this lease or any renewal or renewals thereof to purchase the limited minerals on the same or a reasonable price, terms and conditions as offered to any other purchaser. This option to be exercised in thirty (30) days after notice in writing to Lessee of such offer.~~

16. (NOTICES) All notices herein provided to be given in writing shall, unless otherwise provided, be mailed by registered mail to the address following, until some other address is designated in a notice so given.

LESSOR'S ADDRESS: R.F.D. #1, Box 50, Warren, Me.

LESSEE'S ADDRESS: ROLAND F. BEERS, INC., P. O. Box 1019, Troy, New York.

16. (ARBITRATION) In event the parties hereto cannot mutually agree upon any matters arising out of this lease, the same shall be determined by arbitration; the Lessor to select one arbitrator, the Lessee to select one arbitrator, and the two arbitrators so selected to select a third arbitrator. Such submission to arbitration shall be a condition precedent to action by either party hereto, in any court, and it is hereby expressly agreed between the parties hereto that such submission to arbitration may be entered of record in the court of proper jurisdiction. The determination by such arbitration shall be binding and conclusive on the parties hereto and may be entered as the judgment or decree of such court. Expenses of the arbitration shall be borne by the parties equally.

17. (ASSIGNABILITY) This lease shall be binding upon and inure to the benefit of the respective parties hereto, and their personal representatives, successors and assigns.

18. (ENTIRE CONTRACT) It is agreed that the entire contract and agreement between Lessor and Lessee is embodied herein, and that no oral warranties, representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying or as an inducement to this Agreement.

IN WITNESS WHEREOF, Lessor and Lessee have hereunto set their hands and seals the day and year first above written.

In the presence of:

Robert S. Young

Robert S. Young

Dorothy C. Dillon

LESSOR

Leo A. Lubbe

Jean F. Lubbe

LESSEE

ROLAND F. BEERS, INC.

By Shirley H. Clifford
President

STATE OF Maine
COUNTY OF Knox } ss.

I, David V. Shaw, a Notary Public in and for the State and County aforesaid, do hereby certify that Leo A. Lubbe and his wife Jean F. Lubbe personally appeared before me this day and acknowledged the due execution of the foregoing instrument. Witness my hand and seal this 8th day of April, 1960.

David V. Shaw
Notary Public
My Commission Expires
April 8, 1960

STATE OF NEW YORK
County of Rensselaer } ss.

On this 18th day in the year nineteen hundred Fifty-eight before me personally came Shirley H. Clifford to me known, who, being by me duly sworn, did depose and say that he resides in the City of Rensselaer, N.Y., and that he is President of Roland F. Beers, Inc., the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that he signed his name thereto by like order.

Marion L. Elwood
Notary Public in the State of New York
My Commission Expires

MARION L. ELWOOD
Notary Public, State of New York
Residing in Rensselaer County
Commission expires March 30, 1960.

15-1-06
Approved

9.0-1-33

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 15 1958

DATE	INITIALS	CODE

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33

MINING LEASE

from

Herbert C. Simmons and
Grace G. Simmons, his wife

to

ROLAND F. BEERS, INC., TROY, NEW YORK

Date of Lease 8 April, 1955

No. of Acres 35, more or
less.

County of Knox

State of Maine

Expiration of Definite Term 5 yr.

RECORDER'S DATA

Received for Record ..... 19.....

Recorded ..... 19.....

In Book ..... Page.....

..... Recorder

of .....

AGREEMENT made and entered into this 8 day of April A. D., 19 58

by and between Herbert O. Simmons, and his wife, Grace G. Simmons,

of RFD #1, Warren County of Knox

and State of Maine of the first part, hereinafter referred to as Lessor, and Roland F. Beers, Inc. of Troy, New York, of the second part, hereinafter referred to as Lessee.

WITNESSETH:

1. (LEASING CLAUSE) That Lessor, in consideration of the sum of One Dollar Cash in hand paid, the receipt of which is hereby acknowledged, under the covenants, conditions, and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, does lease, let, and demise exclusively to Lessee, all and every prospecting and mining right and privilege in and upon the lands hereinafter described, together with the privilege of erecting and installing any and all machinery and equipment, necessary or convenient, for the sole purpose of prospecting, mining, processing and marketing of ores and minerals as found on this land alone or co-jointly with neighboring lands.

The following described premises owned by Lessor and situated in Warren Twp., Knox County and State of Maine bounded substantially by the following lands:

NORTH Sobolesky
EAST Rt. 131
SOUTH Barbour & Creamer
WEST Creamer

} see DB. 278, P. 50, DB. 305, P. 220, Knox Reg. of Deeds

containing thirty-five (35) acres, more or less, reserving, however, three hundred (300) feet from the main buildings now on the premises, on which no mine shaft shall be placed by either party except by mutual consent.

2. (LESSOR'S COVENANTS) Lessor warrants and agrees to defend the title to the lands hereinbefore described, and agrees that Lessee at its option may pay and discharge any taxes, mortgages or other liens existing, levied or assessed on or against the above described lands, and, in the event that it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien, any royalty or rentals accruing hereunder.

3. (TERM) This lease shall run for a period of five (5) years, and so long thereafter as mining operations are performed or maintained on said leased premises unless terminated sooner as herein provided. If Lessee has discovered an ore body on said leased premises at the time of expiration of said term, Lessee may at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, in which event Lessee shall give Lessor written notice of its intension so to do on or before sixty (60) days prior to the expiration of said term. Upon the renewal of said lease, all royalties, advances or otherwise, shall continue to be paid as though said lease had never been terminated.

4. (MINING RIGHTS) This lease conveys the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on and the public highway. Ores mined from the leased premises may be milled and prepared for market thereon, or on other lands, separately or in connection with other ores, as Lessee may elect. Lessee however shall use one roadway to and from any mine or mill on said land, and shall keep all gates closed on such part of said premises as are used by it. Lessee agrees that all of its operations on said premises shall be conducted in accordance with good and customary mining practices. Lessee shall have the privilege of raising ores from said land through shafts or inclines on other lands in the area, and the privilege of milling, cleaning or otherwise treating such ores in plants or mills located upon such lands Lessee shall also have the privilege of raising ores mined from other land through shafts or inclines which Lessee has sunk or driven on the leased premises for the purpose of working same, and of milling, cleaning or otherwise treating such ores in mills or plants located upon the leased premises. The privileges referred to in the last preceding sentence shall survive the termination, by expiration or otherwise, of the lease. For any period after such termination during which Lessee is (a) raising, through a shaft driven on the demised premises ores exclusively from other lands in which Lessor has no interest, or (b) milling, cleaning or otherwise treating on the demised premises, ores exclusively from such other lands, or (c) doing both (a) and (b), Lessee shall pay Lessor five hundred (500) dollars per year. The right to use underground inclines or exploration openings existing in the leased premises at the termination of this lease shall also survive such termination for so long as the use of any of the same may be necessary or convenient for any mining purpose connected with this or any other property.

During the term of this contract all rock waste and jig tailings resulting from the operation of any mines located on said premises may be sold by Lessee, and Lessee shall pay to Lessor fifty (50) per cent of the net sales price. It is agreed that either Lessor or Lessee shall have the right to use, without cost, so much of said tailings or waste rock as may be required in connection with mining or milling operations or for use on the leased premises. Lessee's judgment and decision as to all matters pertaining to waste materials shall be final and binding. In case of forfeiture or surrender of this lease, all tailings and waste, not sold, or remaining on the leased premises, if not sold and removed within two (2) years, become the

property of the Lessor, and Lessee waives all rights thereto and shall be released and relieved from all further obligations or liabilities hereunder.

Should Lessee erect a mill on the leased premises, it agrees to pay Lessor the reasonable annual value of the portion of the surface of the premises required for such mill site, and the necessary storage facilities for rock and tailings. If such value cannot be agreed upon by the parties, it shall be submitted for arbitration as hereinafter provided. Such mill and storage facilities may be established before arbitration, and payment shall be made promptly after such arbitration is concluded. Upon payment, Lessor shall grant to Lessee, by instrument in writing independent of this lease, the exclusive right, privilege and license to use the mill site and storage facilities for milling, beneficiating, stock piling and storing ores, concentrates, minerals, metals, pertinent in connection with mining or milling, so long as Lessee shall deem necessary.

Anything hereinbefore to the contrary notwithstanding, Lessee shall have the right to remove any of its property used in connection with the exercise of the rights and privileges referred to in the preceding sentences of this paragraph within six (6) months after tendering a release of the same.

5. (DAMAGES) Lessee shall cover and case all prospect holes, and shall pay all damage to growing crops or timber. Should any regularly used water supply on the premises be drained by mining operations carried on by Lessee, the Lessee agrees to furnish Lessor with a new water supply equal to the existing water supply before mining operations were carried on.

6. (ADVANCED ROYALTIES AND WORK REQUIREMENTS) Lessee, except as herein otherwise provided, each year during the life of this agreement beginning April 8, 1958 (hereinafter referred to as "work year") shall:

A. Perform mining operations, conducted in good and miner-like manner and in conformity with proper practice, or,

B. Explore by means of bona fide drilling methods, or,

C. Prospect geophysically by means of airborne or ground-operated scientific equipment, or prospect geochemically by means of soil analysis and laboratory experiment, or,

D. Pay the sum of fifty (50) cents per acre per year on or before the expiration of any work year during which Lessee has not performed either A. B. or C. such payment to be considered advance royalty against subsequent royalties provided, if Lessee terminates this lease prior to the expiration of any work year Lessee shall pay Lessor on a pro-rata basis for those months during such work year that this lease was in force and effect. After the first four work years of this lease, the Lessee will pay to the Lessor ten (10) dollars an acre in lieu of required mining work referred to in (A) above during any work year, payable at the end thereof, as advance royalty applicable against subsequent royalties.

7. (SUSPENSION OF WORK ON LOW MARKET) In the event of a drop in the market price of Zinc or Copper as quoted in the Engineering and Mining Journal, to less than twelve (12) cents per pound for Zinc, and forty (40) cents per pound for Copper, the Lessee may suspend all operations until the quoted prices are again equal to at least twelve (12) cents per pound for Zinc and forty (40) cents per pound for Copper, and that during such period this lease shall remain in effect without the payment of a minimum advance royalty. The suspension of such work shall not exceed a period of four (4) years at any one time.

8 (ROYALTIES) Lessee will pay to Lessor a royalty of five (5) per cent of the market value of such sulfide and metallic concentrates from ores mined and marketed from the leased premises. "Concentrates," for the purposes hereof, means the salable Zinc, Lead, Copper, Nickel, Cobalt, Iron, Sulfides Gold, and Silver economically recoverable, as determined above at the mill or concentrating plant where treated "Market value, for the purposes hereof when used with respect to the sulfide minerals listed above, means the price established f.o.b. cars at the mill by responsible buyers of concentrates of a similar grade and kind produced from ores mined and milled in said district and prevailing at the time the ores are delivered to the mill for treatment

9 (ROYALTY PAYMENTS) Royalty payments shall be made by the Lessee on or before the last day of each calendar month for all ores delivered at the mill during the preceding calendar month Royalty or other payments under this agreement shall be paid (a) to Lessor at RFD #1, Warren Maine or (b) as Lessor may in writing designate.

10 (RECORDS AND REPORTS) Lessee agrees to keep an accurate record of all ores mined from the leased premises and of all calculations relative to royalty payments hereunder Said records may be inspected by Lessor at all reasonable times Lessee will make available for Lessor's inspection, at all reasonable times during the term of this lease information as to the location and footage of each hole drilled on said land At the termination Lessee will furnish a factual record of any holes drilled on the land together with a map showing the location of such holes

11 (FORFEITURE) In case of failure of Lessee to keep and perform the terms and obligations of this lease Lessor may give thirty (30) days written notice of the breach or violation complained of, and if such violation or default is not removed or as nearly corrected as possible, within said period this lease shall thereupon terminate, provided, however, that no forfeiture shall be asserted where Lessee claims no breach or violation has occured or that the same has been removed or corrected as nearly as possible within the ninety (90) day period in which event the same shall be submitted for arbitration in accordance with Paragraph 14 of this lease provided further that no forfeiture shall be asserted based on cessation or delays in operations hereunder when occasioned by fire, war, riot, civil commotion, strikes, operations of law or interference by the Government or its agencies acts of nature or other causes,

whether like or unlike those enumerated, beyond the control of Lessee. Upon forfeiture, Lessee shall account for and pay royalties accrued to the date of such termination.

12. (SURRENDER) Lessee may at any time surrender this lease by executing and tendering to Lessor a written release thereof, and from and after such tender Lessee shall be released and relieved from all further obligations and liability hereunder, with respect to or in any way connected with the above described premises or the exercise of Lessee's rights hereunder, except to account for and make payments accrued during the life hereof. Tender of such release may be made by delivery of same to Lessor in person, or to his agent, or by recording in the office of the Clerk of the Court of the County in which the leased premises are located, of such release, and paying the recording fee.

13. (NOTICES) All notices herein provided to be given in writing shall, unless otherwise provided, be mailed by registered mail to the address following, until some other address is designated in a notice so given.

LESSORS ADDRESS: RFD #1, Warren, Maine

14. (ARBITRATION) In the event the parties hereto can not mutually agree upon any matters arising out of this lease, the same shall be determined by arbitration; the Lessor to select one arbitrator, the Lessee to select one arbitrator, and the two arbitrators so selected to select a third arbitrator. Such submission to arbitration shall be a condition precedent to action by either party hereto, in any court, and it is hereby expressly agreed between the parties hereto that such submission to arbitration may be entered of record in the court of proper jurisdiction. The determination by such arbitration shall be binding and conclusive on the parties hereto and may be entered up as the judgment or decree of such court. Expenses of the arbitration shall be borne by the parties equally.

15. (ASSIGNABILITY) This lease shall be binding upon and enure to the benefit of the respective parties hereto, and their personal representatives, successors and assigns.

16. (ENTIRE CONTRACT) It is agreed that the entire contract and agreement between Lessor and Lessee is embodied herein, and that no oral warranties, representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying or as an inducement to this Agreement.

IN WITNESS WHEREOF, Lessor and Lessee have hereunto set their hands and seals the day and year first above written.

In the presence of:

Robert S. Young
Robert S. Young

LESSOR

Herbert O. Simmons (Seal)
Grace G. Simmons (Seal)
(Seal)

STATE OF NEW YORK)
COUNTY OF Rensselaer) ss.

On this 1st day of May in the year Nineteen Hundred Fifty-eight before me personally came Shirley H. Clickner to me known, who, being by me duly sworn, did depose and say that he resides in the Town of Brunswick, N.Y. and that he is Authorized Agent of Roland F. Beers, Inc., the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal afixed to said instrument is such corporate seal; that it was so affixed by Order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

Marion F. Shumsky
Notary Public in the State of New York

My Commission Expires:
March 30, 1960

9-0-1-34

9.0-1-34

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 15 1958
DATE

MINING LEASE

FROM

Stanley A. Sobolewski &
Carole A. Sobolewski

TO

ROLAND F. BEERS, INC.
TROY, NEW YORK

Date of Lease 12 April, 1958

Number of Acres 23.92

Country of Knox

State of Maine

Expiration of Definite Term 5 years.

RECORDER'S DATA

Received for Record _____ M.

Recorded _____ M.

Recorded _____ M.

In Book _____ Page _____

_____ Number

of _____

Agreement

Made and entered into this 12th day of April A. D., 1958 by and between Stanley A. Sobolewski and his wife Carole Ann of R.F.D. Warren County of Knox and State of Maine of the first part, hereinafter referred to as Lessor, and Roland F. Beers, Inc., of Troy, New York, of the second part, hereinafter referred to as Lessee.

WITNESSETH:

1. (LEASING CLAUSE) That Lessor, in consideration of the sum of One Dollar Cash in hand paid, the receipt of which is hereby acknowledged, under the covenants, conditions, and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, does hereby let and demise exclusively to Lessee, all their right, title and interest in and to all and every prospecting, mining and quarrying right and privilege in and upon the lands hereinafter described, together with the privilege of erecting and installing any and all machinery and equipment, necessary or convenient, for the sole purpose of prospecting, mining, quarrying, processing and marketing of ores and minerals as found on this land alone or on neighboring lands.

The following described premises owned by Lessor and situated in Warren Twp., Warren County and State of Maine, being all of their right, title and interest in and to the premises conveyed by Earl B. Thomas to said Stanley A. & Carole A. Sobolewski by a deed dated Aug. 19, 1955 and recorded Aug. 19, 1955, in Liber No. 345 of Deeds at Page 398 containing approximately 23.92 acres, more or less. However, no mine shaft shall be placed within three hundred (300) feet of any building now on the premises except by mutual consent.

2. (LESSOR'S COVENANTS) Lessor agrees that Lessee at its option may pay and discharge any taxes, mortgages or other liens now existing, levied or assessed on or against the above described lands or any subsequent liens incurred by the lessors, and, in the event that it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien, any royalty or rentals accruing hereunder.

3. (LESSEE'S COVENANTS) Lessee shall pay for its own account, any and all taxes levied or assessed against the mines, minerals, mills, or mining and milling equipment on the above described premises during the term of this lease, and if not so paid, lessors, their heirs or assigns, may pay the same and charge such payment against the lessee as royalty due, or have any other legal remedy.

4. (TERMS) This lease shall run for a period of five (5) years, and so long thereafter as mining operations are performed or maintained on said leased premises unless terminated sooner as herein provided. If Lessee has discovered an ore body on said leased premises by the time of expiration of said term, Lessee may at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, except as to advance royalties which shall continue during any such renewal or renewal periods at a minimum of $10.00 per acre, in which event Lessee shall give Lessor written notice of its intention so to do on or before sixty (60) days prior to the expiration of said term. Upon the renewal of said lease, all royalties, advances or otherwise shall continue to be paid as though said lease had never been terminated.

5. (MINING RIGHTS) This lease conveys all the right, title and interest of the Lessors in the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land. Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on, and to the public highway. Lessee, however, shall use one roadway to and from any mine or mill on said land, and shall keep all gates closed or erect cattle guards on such part of said premises as are used by it. Lessee agrees that all of its operations on said premises shall be conducted in accordance with good and customary mining practices. Ores mined from the leased premises may be milled and prepared for market thereon or on other lands, separately or in connection with other ores, as Lessee may elect. Lessee shall have the privilege of raising ores from said land through shafts or inclines on other lands in the area, and the privilege of milling, cleaning or otherwise treating such ores in plants or mills located upon such lands. Lessee shall also have the privilege of transporting to, across, through or under and of raising ores mined from other lands through tunnels, drifts, shafts or inclines which Lessee has sunk or driven on the leased premises for the purpose of working same and of milling, cleaning or otherwise treating such ores in mills or plants located upon the leased premises. The privileges referred to in the last preceding sentence shall survive the termination by expiration or otherwise of the lease. For any period after such termination during which Lessee is (a) raising, through a shaft driven on the demised premises ores exclusively from other lands in which Lessor has no interest, or (b) milling, cleaning or otherwise treating on the demised premises, ores exclusively from such other lands, or (c) doing both (a) and (b), Lessee shall pay Lessors five hundred (500) dollars per year. The right to use underground tunnels, drifts, inclines, or exploration openings existing in the leased premises at the termination of this lease shall also survive such termination without payment for such use for so long as the use of any of the same may be necessary or convenient for any mining purpose connected with this or any other property.

During the term of this contract all rock waste and jig tailing resulting from the operation of any mines located on said premises may be sold by Lessee, and Lessee shall pay to Lessor Fifty (50) per cent of the net sales price. It is agreed that either Lessor or Lessee shall have the right to use, without cost, so much of said tailing or waste rock as may be required in connection with mining or milling operations or for use on the leased premises. Lessee's Judgment and decision as to all matters pertaining to waste materials shall be final and binding. In case of forfeiture or surrender of this lease, all tailings and waste, not sold, or remaining on the leased premises, if not sold and removed within two (2) years, becomes the property of the Lessor and

Lessee waives all rights thereto and on payment of the damage to the surface by such deposit of rock waste and jig tailings left on the leased land more than two (2) years after termination Lessee shall be released and relieved from all further obligations or liabilities hereunder.

Should Lessee erect a mill on the leased premises or use any portion of the leased premises, it agrees to pay Lessor the reasonable annual value of the portion of the surface of the premises required for such use and the necessary storage facilities for rock and tailings or other use. If such value cannot be agreed upon by the parties, it shall be submitted for arbitration as hereinafter provided. Such mill and storage facilities may be established before arbitration, and an annual payment shall be made promptly after such arbitration is concluded. Upon such annual payment, Lessor shall grant to Lessee, by instrument in writing independent of this lease, the exclusive right, privilege and license to use the mill site and storage facilities for milling, beneficiating, stock piling and storing ores, concentrates, minerals, metals, pertinent in connection with mining or milling, so long as Lessee shall deem necessary while this lease shall remain in effect.

Anything hereinbefore to the contrary notwithstanding, Lessee, if not in default, shall have the right to remove any of its property used in connection with the exercise of the rights and privileges referred to in the preceding paragraph within six (6) months after tendering a proper surrender and a release of this lease.

6. (DAMAGES) Lessee shall cover all prospect holes and shall pay all damage to buildings, growing crops or timber. Should any regularly used water supply on the premises be drained by mining operations carried on by Lessee, the Lessee agrees to furnish Lessor with a new water supply equal to the existing water supply before mining operations were carried on.

7. (ADVANCED ROYALTIES AND WORK REQUIREMENTS) Lessee, except as herein otherwise provided, each year during the life of this agreement beginning 12 April, 19[illegible], (hereinafter referred to as "work year") shall:

A. Perform mining operations, conducted in good and miner-like manner and in conformity with proper practice, or,

B. Explore by means of bona fide drilling methods, or,

C. Prospect geophysically by means of airborne or ground-operated scientific equipment, or prospect geochemically by means of soil, water or plant analysis and/or laboratory experiment, or,

D. Pay the sum of fifty (50) cents per acre per year on or before the expiration of any work year during which Lessee has not performed either A., B., or C. such payment to be considered advance royalty against subsequent earned royalties provided, if Lessee terminates this lease prior to the expiration of any work year Lessee shall pay Lessor on a pro-rata basis for those months during such work year that this lease was in force and effect, unless Lessee has performed either A., B., or C. during the previous part of the said work year. After the first five years of this lease, the Lessee will pay to the Lessor at least ten (10) dollars an acre on lands in which minerals are owned by Lessor and hereby leased, as royalty earned by mining work, referred to in (A) above or as advance royalty applicable against subsequent royalties.

RSY
SAS

8. (SUSPENSION OF WORK ON LOW MARKET) In the event of a drop in the market price of Zinc or Copper as quoted in the Engineering and Mining Journal to less than twelve (12) cents per pound for Zinc, and forty (40) cents per pound for Copper, the Lessee may suspend all operations until the quoted prices are again equal to at least twelve (12) cents per pound for Zinc and forty (40) cents per pound for Copper, during such period this lease shall remain in effect with the payment of a minimum advance royalty of fifty (50) cents an acre per year. The suspension of such work shall not exceed a period of four (4) years at any one time.

9. (EARNED ROYALTIES) Lessee shall pay to the Lessor a royalty of five (5) percent of the net proceeds (except for such proceeds as is hereinafter specified for metallic ores) to Lessee before processing, realized by the Lessee in each month from all marketable nonmetallic mineral products produced from ore or mineral substances mined, quarried, or removed from the leased premises, in which minerals are owned by Lessor and hereby leased. Lessee shall pay a royalty of five (5) percent of the net smelter return (received by Lessee) less freight, of such sulfide and concentrates from metallic ores mined and markets from the leased premises in which minerals are owned by lessor and hereby leased. "Concentrates" for the purposes hereof means the salabel Zinc, Lead, Copper, Nickel, Cobalt, Iron, Gold or Silver minerals economically recoverable. "Net Smelter Return" for the purposes hereof when used with respect to the minerals listed above means the price established at smelter, less freight, by responsible buyers of such marketable mineral products or of concentrates of a similar grade and kind produced from ores mined and milled in said district prevailing at the time the concentrates are delivered to the smelter for treatment; but lessee shall be entitled to take credit against any royalties payable under this paragraph for any advanced royalties previously paid during the term of this lease and not previously recovered by Lessee.

10. (ROYALTY PAYMENTS) Royalty payments shall be made by the Lessee on or before the last day of each calendar month for all ores delivered at the mill or smelter during the preceding calendar month. Royalty or other payments under this agreement shall be paid (a) to Lessor at Rt. 1, Warren, Maine or (b) as Lessor may in writing designate.

11. (RECORDS AND REPORTS) Lessee agrees to keep an accurate record of all ores mined from the leased premises and of all calculations relative to royalty payments hereunder. Said records may be inspected by Lessor at all reasonable times. Lessee will make available for Lessor's inspection, at the end of the term of this lease, information as to the location and footage of each hole drilled on said land. At the termination, Lessee will furnish a factual record of any holes drilled on the land together with a map showing the location of such holes, together with copies of all mining maps and records of mines on demised premises or on adjacent premises operated co-jointly with the demised premises.

12. (FORFEITURE) In case of failure of Lessee to keep and perform any of the terms and obligations of this lease, Lessor may give ninety (90) days written notice of the breach or violation complained of. If such violation or default is not removed, or as nearly corrected as possible, within said ninety (90) day period, this lease shall thereupon terminate; provided, however, that no forfeiture shall be asserted where Lessee claims no breach or violation has occurred or that the same has been removed or corrected as nearly as pos-

sible within the ninety (90) day period, in which event the same shall be submitted for arbitration in accordance with Paragraph 16 of this lease. Provided further that no forfeiture shall be asserted based on cessation or delays in operations hereunder when occasioned by fire, war, riot, civil commotion, strikes, operations of law or interference by the Government or its agencies, acts of nature or other causes, whether like or unlike those enumerated, beyond the control of Lessee. Upon forfeiture, Lessee shall account for and pay royalties accrued to the date of such termination and execute and tender to Lessor a written release and surrender thereof in proper form to be recorded in the Office of the Kneeg County Clerk.

13. (SURRENDER) Lessee may at any time, when not in default, surrender this lease by executing and tendering to Lessor a written release thereof in proper form to be recorded in the Office of the Kneeg County Clerk, and from and after such tender Lessee shall be released and relieved from all further obligations and liability hereunder, with respect to or in any way connected with the above described premises or the exercise of Lessee's rights hereunder, except to account for and make payments accrued during the life hereof. Tender of such release may be made by delivery of same to Lessor in person, or to his agent, or by recording such release in the Office of the Clerk of the Court of the County in which the leased premises are located, and paying the recording fee.

RSH
S.H.S.

14. (DEFAULT) Lessor agrees that any time after the date of this lease, any [illegible] shall be in default in the payment of any [illegible] Lessee's [illegible] Lessee to pay the expenses of said manner.

15. (NOTICES) All notices herein provided to be given in writing shall, unless otherwise provided, be mailed by registered mail to the address following, until some other address is designated in a notice so given.

LESSOR'S ADDRESS: RFD #1, Warren, Maine

LESSESS'S ADDRESS: ROLAND F. BEERS, INC., P. O. Box 1019, Troy, New York.

16. (ARBITRATION) In event the parties hereto cannot mutually agree upon any matters arising out of this lease, the same shall be determined by arbitration; the Lessor to select one arbitrator, the Lessee to select one arbitrator, and the two arbitrators so selected to select a third arbitrator. Such submission to arbitration shall be a condition precedent to action by either party hereto, in any court, and it is hereby expressly agreed between the parties hereto that such submission to arbitration may be entered of record in the court of proper jurisdiction. The determination by such arbitration shall be binding and conclusive on the parties hereto and may be entered as the judgment or decree of such court. Expenses of the arbitration shall be borne by the parties equally.

17. (ASSIGNABILITY) This lease shall be binding upon and enure to the benefit of the respective parties hereto, and their personal representatives, successors and assigns.

18. (ENTIRE CONTRACT) It is agreed that the entire contract and agreement between Lessor and Lessee is embodied herein, and that no oral warranties, representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying or as an inducement to this Agreement.

IN WITNESS WHEREOF, Lessor and Lessee have hereunto set their hands and seals the day and year first above written.

In the presence of:

Robert L. Gruenig
Robert L. Gruenig

LESSOR

Stanley A. Sobolewski (SEAL)
Carole Anne Sobolewski (SEAL)

(SEAL)
(SEAL)

Dorothy C. Dillon

LESSEE
ROLAND F. BEERS, INC.
By Shirley H. Clickner (SEAL)
Authorized Agent

STATE OF Maine
COUNTY OF Knox } ss.

I, Doris V. Tyler, Notary Public in and for the State and County aforesaid do hereby certify that Stanley A. Sobolewski and his wife Carole Anne Sobolewski personally appeared before me this day and acknowledged the due execution of the foregoing instrument. Witness my hand and official seal this 29 day of April, 1960.

Doris V. Tyler
Notary Public
My Commission Expires:
April 29, 1960

STATE OF NEW YORK
County of Rensselaer } ss.

On this 1st day of May in the Nineteen Hundred Fifty-eight before me personally came Shirley H. Clickner to me known, who, being by me duly sworn, did depose and say that he resides in the Town of Brunswick, N. Y., and that he is Authorized Agent of Roland F. Beers, Inc., the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by Order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

Marion L. Hunziker
Notary Public in the State of New York
My Commission Expires:

MARION L. HUNZIKER
Notary Public, State of New York
Residing in Rensselaer County
Commission expires March 30, 1960.

Form 2 - 11/57

9-0-1-37

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RECEIVED MAY 15 1958
DATE | INITIAL | CODE

MINING LEASE

FROM

Carrie R. and Dana H. Smith

and

Lillian R. and Joseph K.P. Porter

TO

ROLAND F. BEERS, INC.
TROY, NEW YORK

Date of Lease 26 April 1958

Number of Acres 25

Twon of Warren

County of Knox

State of Maine

Expiration of Definite Term _____

RECORDER'S DATA

Received for Record _____, 19__

Recorded _____, 19__

Recorded _____, 19__

In Book _____ Page _____

_____, Recorder

of _____

Agreement

Made and entered into this 26th day of April A. D. 19 58 by and between Carrie Russell Smith and husband Dana H. Smith of Warren, Maine Lillian Russell Porter and husband Joseph K. P. Porter of Evansville, Wisc. of _____ County of _____ and State of _____ of the first part, hereinafter referred to as Lessor, and Roland F. Dorn, Inc., of Troy, New York, of the second part, hereinafter referred to as Lessee.

Witnesseth:

1. (LEASING CLAUSE) The Lessor, in consideration of the sum of One Dollar Cash in hand paid, the receipt of which is hereby acknowledged, and the covenants, conditions, and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, does lease, let and demise exclusively to Lessee, all their right, title and interest in and to all and every prospecting, mining and quarrying right and privilege in and upon the lands hereinafter described, together with the privilege of erecting and installing any and all machinery and equipment, necessary or convenient, for the sole purpose of prospecting, mining, quarrying, processing and marketing of ores and minerals as found on this land alone or on neighboring lands.

The following described premises owned by Lessor and situated in Knox County and State of Maine, being all of their right, title and interest in and to the premises conveyed by Heirship From the Estate of the late Henry L. Russell to said Carrie R. Smith and Lillian R. Porter by a deed dated _____ and recorded _____, in Liber No. _____ of Deeds at Page _____ containing approximately 25 acres, more or less. However, no mine shaft shall be placed within three hundred (300) feet of any building now on the premises except by mutual consent.

2. (LESSOR'S COVENANTS) Lessor agrees that Lessee at its option may pay and discharge any taxes, mortgages or other liens now existing, levied or assessed on or against the above described lands or any subsequent liens incurred by the lessors, and, in the event that it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien, any royalty or rentals accruing hereunder.

3. (LESSEE'S COVENANTS) Lessee shall pay for its own account, any and all taxes levied or assessed against the mines, minerals, mills, or mining and milling equipment on the above described premises during the term of this lease, and if not so paid, lessors, their heirs or assigns, may pay the same and charge such payment against the lessee as royalty due, or have any other legal remedy.

4. (TERM) This lease shall run for a period of three (3) years, and so long thereafter as mining operations are performed or maintained on said leased premises unless terminated sooner as herein provided. If Lessee has discovered an ore body on said leased premises by the time of expiration of said term, Lessee may at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, except as to advance royalty which shall continue during any such renewal or renewal periods at a minimum of $10.00 per acre, in which event Lessee shall give Lessor written notice of its intention so to do on or before sixty (60) days prior to the expiration of said term. Upon the renewal of said lease, all royalties, advances or otherwise shall continue to be paid as though said lease had never been terminated.

5. (MINING RIGHTS) This lease conveys all the right, title and interest of the Lessors in the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land. Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on and to the public highway. Lessee, however, shall use one roadway to and from any mine or mill on said land, and shall keep all gates closed or erect cattle guards on such part of said premises as are used by it. Lessee agrees that all of its operations on said premises shall be conducted in accordance with good and customary mining practices. Ores mined from the leased premises may be milled and prepared for market thereon or on other lands, separately or in connection with other ores, as Lessee may elect. Lessee shall have the privilege of raising ores from said land through shafts or inclines on other lands in the area, and the privilege of milling, cleaning or otherwise treating such ores in plants or mills located upon such lands. Lessee shall also have the privilege of transporting to, across, through or under and of raising ores mined from other lands through tunnels, drifts, shafts or inclines which Lessee has sunk or driven on the leased premises for the purpose of working same and of milling, cleaning or otherwise treating such ores in mills or plants located upon the leased premises. The privileges referred to in the last preceding sentence shall survive the termination by expiration or otherwise of the lease. For any period after such termination during which Lessee is (a) raising, through a shaft driven on the demised premises ores exclusively from other lands in which Lessor has no interest, or (b) milling, cleaning or otherwise treating on the demised premises, ores exclusively from such other lands, or (c) doing both (a) and (b), Lessee shall pay Lessors five hundred (500) dollars per year. The right to use underground tunnels, drifts, inclines, or exploration openings existing in the leased premises at the termination of this lease shall also survive such termination without payment for such use for so long as the use of any of the same may be necessary or convenient for any mining purpose connected with this or any other property.

During the term of this contract all rock waste and jig tailing resulting from the operation of any mines located on said premises may be sold by Lessee, and Lessee shall pay to Lessor Fifty (50) per cent of the net sales price. It is agreed that either Lessor or Lessee shall have the right to use, without cost, so much of said tailing or waste rock as may be required in connection with mining or milling operations or for use on the leased premises. Lessee's judgment and decision as to all matters pertaining to waste materials shall be final and binding. In case of forfeiture or surrender of this lease, all tailings and waste, not sold, or remaining on the leased premises, if not sold and removed within two (2) years, becomes the property of the Lessor and

Lessee waives all rights thereto and on payment of the damage to the surface by such deposit of rock waste and jig tailings left on the leased land more than two (2) years after termination Lessee shall be released and relieved from all further obligations or liabilities hereunder.

Should Lessee erect a mill on the leased premises or use any portion of the leased premises, it agrees to pay Lessor the reasonable annual value of the portion of the surface of the premises required for such use and the necessary storage facilities for rock and tailings or other use. If such value cannot be agreed upon by the parties, it shall be submitted for arbitration as hereinafter provided. Such mill and storage facilities may be established before arbitration, and an annual payment shall be made promptly after such arbitration is concluded. Upon such annual payment, Lessor shall grant to Lessee, by instrument in writing independent of this lease, the exclusive right, privilege and license to use the mill site and storage facilities for milling, beneficiating, stock piling and storing ores, concentrates, minerals, metals, pertinent in connection with mining or milling, so long as Lessee shall deem necessary while this lease shall remain in effect.

Anything hereinbefore to the contrary notwithstanding, Lessee, if not in default, shall have the right to remove any of its property used in connection with the exercise of the rights and privileges referred to in the preceding paragraph within six (6) months after tendering a proper surrender and a release of this lease.

6. (DAMAGES) Lessee shall cover all prospect holes and shall pay all damage to buildings, growing crops or timber. Should any regularly used water supply on the premises be drained by mining operations carried on by Lessee, the Lessee agrees to furnish Lessor with a new water supply equal to the existing water supply before mining operations were carried on.

7. (ADVANCED ROYALTIES AND WORK REQUIREMENTS) Lessee, except as herein otherwise provided, each year during the life of this agreement beginning 26 April, 1958, (hereinafter referred to as "work year") shall:

A. Perform mining operations, conducted in good and miner-like manner and in conformity with proper practice, ~~or~~ OR,

B. Explore by means of bona fide drilling methods, ~~or~~ OR

C. Prospect geophysically by means of airborne or ground-operated scientific equipment, or prospect geochemically by means of ~~[illegible]~~ (20 100) assayers and/or laboratory ~~equipment~~, ~~or~~ and

D. Pay the sum of ~~[illegible]~~ per year on or before the expiration of any work year ~~[illegible]~~ such payment to be considered advance royalty against subsequent earned royalties provided, if Lessee terminates this lease prior to the expiration of any work year Lessee shall pay Lessor on a pro-rata basis for those months during such work year that this lease was in force and effect, unless Lessee has performed either A., B., or C. during the previous part of the said work year. After the first four years of this lease, the Lessee will pay to the Lessor at least ten (10) dollars an acre on lands in which minerals are owned by Lessor and hereby leased, as royalty earned by mining work, referred to in (A) above or as advance royalty applicable against subsequent royalties.

8. (SUSPENSION OF WORK ON LOW MARKET) In the event of a drop in the market price of Zinc or Copper as quoted in the Engineering and Mining Journal, to less than twelve (12) cents per pound for Zinc, and forty (40) cents per pound for Copper, the Lessee may suspend all operations until the quoted prices are again equal to at least twelve (12) cents per pound for Zinc and forty (40) cents per pound for Copper, during such period this lease shall remain in effect with the payment of a minimum advance royalty of fifty (50) cents an acre per year. The suspension of such work shall not exceed a period of four (4) years at any one time.

9. (EARNED ROYALTIES) Lessee shall pay to the Lessor a royalty of five (5) percent of the net proceeds (except for such proceeds as is hereinafter specified for metallic ores) to Lessee before processing, realized by the Lessee in each month from all marketable nonmetallic mineral products produced from ore or mineral substances mined, quarried, or removed from the leased premises, in which minerals are owned by Lessor and hereby leased. Lessee shall pay a royalty of five (5) percent of the net smelter return (received by Lessee) less freight, of such sulfide and concentrates from metallic ores mined and marketed from the leased premises in which minerals are owned by Lessor and hereby leased. "Concentrates" for the purposes hereof means the salable Zinc, Lead, Copper, Nickel, Cobalt, Iron, Gold or Silver minerals economically recoverable. "Net Smelter Return" for the purposes hereof when used with respect to the minerals listed above means the price established at smelter, less freight, by responsible buyers of such marketable mineral products or of concentrates of a similar grade and kind produced from ores mined and milled in said district and prevailing at the time the concentrates are delivered to the smelter for treatment; but Lessee shall be entitled to take credit against any royalties payable under this paragraph for any advanced royalties previously paid during the term of this lease and not previously recovered by Lessee.

10. (ROYALTY PAYMENTS) Royalty payments shall be made by the Lessee on or before the last day of each calendar month for all ores delivered at the mill or smelter during the preceding calendar month. Any amounts or other payments under this agreement shall be paid (a) to Lessor at Marna, Minn. ~~[illegible]~~ or (b) as Lessor may in writing designate.

11. (RECORDS AND REPORTS) Lessee agrees to keep an accurate record of all ores mined from the leased premises and of all calculations relative to royalty payments hereunder. Said records may be inspected by Lessor at all reasonable times. Lessee will make available for Lessor's inspection, at the end of the term of this lease, information as to the location and footage of each hole drilled on said land. At the termination, Lessee will furnish a factual record of any holes drilled on the land together with a map showing the location of such holes, together with copies of all mining maps and records of mines on demised premises or on adjacent premises operated co-jointly with the demised premises.

12. (FORFEITURE) In case of failure of Lessee to keep and perform any of the terms and obligations of this lease, Lessor may give ninety (90) days written notice of the breach or violation complained of. If such violation or default is not removed, or as nearly corrected as possible, within said ninety (90) day period, this lease shall thereupon terminate; provided, however, that no forfeiture shall be asserted where Lessee claims no breach or violation has occurred or that the same has been removed or corrected as nearly as pos-

able within the ninety (90) day period, in which event the same shall be submitted for arbitration in accordance with Paragraph 16 of this lease. Provided further that no forfeiture shall be asserted based on cessation or delays in operations hereunder when occasioned by fire, war, riot, civil commotion, strikes, operations of law or interference by the Government or its agencies, acts of nature or other causes, whether like or unlike those enumerated, beyond the control of Lessee. Upon forfeiture, Lessee shall account for and pay royalties accrued to the date of such termination and execute and tender to Lessor a written release and surrender thereof in proper form to be recorded in the Office of the Knox County Clerk.

13. (SURRENDER) Lessee may at any time, when not in default, surrender this lease by executing and tendering to Lessor a written release thereof in proper form to be recorded in the Office of the Knox County Clerk, and from and after such tender Lessee shall be released and relieved from all further obligations and liability hereunder, with respect to or in any way connected with the above described premises or the exercise of Lessee's rights hereunder, except to account for and make payments accrued during the life hereof. Tender of such release may be made by delivery of same to Lessor in person, or to his agent, or by recording such release in the Office of the Clerk of the Court of the County in which the leased premises are located and paying the recording fee.

14. (OPTION) Lessor agrees at any time during the terms of this lease or any renewal or renewals thereof to sell the Lessee all of Lessor's right, title and interest in and to the leased premises at a price of $ 1,500.00 Lessee to pay all expenses of said transfer.

15. (NOTICES) All notices herein provided to be given in writing shall, unless otherwise provided, be mailed by registered mail to the address following, until some other address is designated in a notice so given.

LESSOR'S ADDRESS: Mrs. Carrie R. Smith, Warren, Maine

LESSEE'S ADDRESS: ROLAND F. MYERS, INC., P. O. Box 1019, Troy, New York.

16. (ARBITRATION) In event the parties hereto cannot mutually agree upon any matters arising out of this lease, the same shall be determined by arbitration; the Lessor to select one arbitrator, the Lessee to select one arbitrator, and the two arbitrators so selected to select a third arbitrator. Such submission to arbitration shall be a condition precedent to action by either party hereto, in any court, and it is hereby expressly agreed between the parties hereto that such submission to arbitration may be entered of record in the court of proper jurisdiction. The determination by such arbitration shall be binding and conclusive on the parties hereto and may be entered as the judgment or decree of such court. Expenses of the arbitration shall be borne by the parties equally.

17. (ASSIGNABILITY) This lease shall be binding upon and inure to the benefit of the respective parties hereto, and their personal representatives, successors and assigns.

18. (ENTIRE CONTRACT) It is agreed that the entire contract and agreement between Lessor and Lessee is embodied herein, and that no oral warranties, representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying or as an inducement to this Agreement.

IN WITNESS WHEREOF, Lessor and Lessee have hereunto set their hands and seals the day and year first above written.

In the presence of:

LESSOR

Carrie R. Smith

Carrie R. Smith

Dorothy C. Dudson

Witness

Witness

Witness

OFFICIAL FILE COPY
DMEA
RECEIVED

N	Roland F. Beers, Inc.
E	Sidney M. Bird
S	Bird, Perry, Blake and Knowlton
W	Crawford Pond

MINING LEASE

FROM

~~[illegible]~~

TO

ROLAND F. BEERS, INC.
TROY, NEW YORK

Date of Lease _____

Number of Acres _____

_____

County of _____

State of _____

Expiration of Definite Term _____

RECORDER'S DATA

Received for Record _____, 19__

Recorded _____, 19__

Recorded _____, 19__

In Book _____ Page _____

_____, Recorder

of _____

Agreement

Made and entered into this 29th day of March A. D., 1958 by and between

Franz U. Burkett

of Portland County of Cumberland

and State of Maine of the first part, hereinafter referred to as Lessor, and Roland F. Boers, Inc., of Troy, New York, of the second part, hereinafter referred to as Lessee.

Witnesseth:

1. (LEASING CLAUSE) That Lessor, in consideration of the sum of One Dollar Cash in hand paid, the receipt of which is hereby acknowledged, under the covenants, conditions, and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, does lease, let and demise exclusively to Lessee, all their right, title and interest in and to all and every prospecting, mining and quarrying right and privilege in and upon the lands hereinafter described, together with the privilege of erecting and installing any and all machinery and equipment, necessary or convenient, for the sole purpose of prospecting, mining, quarrying, processing and marketing of ores and minerals as found on this land alone or on neighboring lands.

The following described premises owned by Lessor and situated in Union Township Knox County and State of Maine, being all of their right, title and interest in and to the first described parcel as conveyed by Barbara Morine et als to said Franz U. Burkett by a deed dated June 1947 and recorded in Knox Registry of Deeds in Liber No. 299 of Deeds at Page 1 known as the Hawks lot containing approximately twelve acres, more or less. However, no mine shaft shall be placed within three hundred (300) feet of any building now on the premises except by mutual consent.

2. (LESSOR'S COVENANTS) Lessor agrees that Lessee at its option may pay and discharge any taxes, mortgages or other liens now existing, levied or assessed on or against the above described lands or any subsequent liens incurred by the lessors, and, in the event that it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien, any royalty or rentals accruing hereunder.

3. (LESSEE'S COVENANTS) Lessee shall pay for its own account, any and all taxes levied or assessed against the mines, minerals, mills, or mining and milling equipment on the above described premises during the term of this lease, and if not so paid, lessors, their heirs or assigns, may pay the same and charge such payment against the lessee as royalty due, or have any other legal remedy.

4. (TERM) This lease shall run for a period of five (5) years, and so long thereafter as mining operations are performed or maintained on said leased premises unless terminated sooner as herein provided. If Lessee has discovered an ore body on said leased premises by the time of expiration of said term, Lessee may at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, except as to advance royalties which shall continue during any such renewal or renewal periods at a minimum of $10.00 per acre, in which event Lessee shall give Lessor written notice of its intention so to do on or before sixty (60) days prior to the expiration of said term. Upon the renewal of said lease, all royalties, advances or otherwise shall continue to be paid as though said lease had never been terminated.

The following paragraph (#5) is cited by way of example of the usual kind of operations undertaken in operating a mine and mill. The conditions of this paragraph apply to this contract only with the specific written permission of the Lessor, except that the Lessee may conduct mining operations under the leased premises providing he does not come within fifty feet of the surface. Ore so mined shall not be raised through the surface of the leased premises, milled, cleaned or treated on the leased premises, and no buildings necessary or incidental to usual mining operations shall be erected on the leased premises without written permission of the Lessor. It is also understood that the Lessee has no right of way across the property or right of entry upon it for exploration or for any other purpose without specific written permission of the Lessor.

5. (Example of usual form of mining rights clause). "This lease conveys all the right, title and interest of the Lessors in the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land. Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on, and to the public highway.

Lessee has [illegible] on the [illegible] of the [illegible] at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, except as to advance royalties which shall continue during any such renewal or renewal periods at a minimum of $10.00 per acre, in which event Lessee shall give Lessor written notice of its intention so to do on or before sixty (60) days prior to the expiration of said term. Upon the renewal of said lease, all royalties, advances or otherwise shall continue to be paid as though said lease had never been terminated.

5. (MINING RIGHTS) This lease conveys all the right, title and interest of the Lessors in the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land. Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on, and to the public highway. Lessee, however, shall use one roadway to and from any mine or mill on said land, and shall keep all gates closed or erect cattle guards on such part of said premises as are used by it. Lessee agrees that all of its operations on said premises shall be conducted in accordance with good and customary mining practices. Ores mined from the leased premises may be milled and prepared for market thereon or on other lands, separately or in connection with other ores, as Lessee may elect. Lessee shall have the privilege of raising ores from said land through shafts or inclines on other lands in the area, and the privilege of milling, cleaning or otherwise treating such ores in plants or mills located upon such lands. Lessee shall also have the privilege of transporting to, across, through or under and of raising ores mined from other lands through tunnels, drifts, shafts or inclines which Lessee has sunk or driven on the leased premises for the purpose of working same and of milling, cleaning or otherwise treating such ores in mills or plants located upon the leased premises. The privileges referred to in the last preceding sentence shall survive the termination by expiration or otherwise of the lease. For any period after such termination during which Lessee is (a) raising, through a shaft driven on the demised premises ores exclusively from other lands in which Lessor has no interest, or (b) milling, cleaning or otherwise treating on the demised premises, ores exclusively from such other lands, or (c) doing both (a) and (b), Lessee shall pay Lessors five hundred (500) dollars per year. The right to use underground tunnels, drifts, inclines, or exploration openings existing in the leased premises at the termination of this lease shall also survive such termination without payment for such use for so long as the use of any of the same may be necessary or convenient for any mining purpose connected with this or any other property.

During the term of this contract all rock waste and jig tailing resulting from the operation of any mines located on said premises may be sold by Lessee, and Lessee shall pay to Lessor Fifty (50) per cent of the net sales price. It is agreed that either Lessor or Lessee shall have the right to use, without cost, so much of said tailing or waste rock as may be required in connection with mining or milling operations or for use on the leased premises. Lessee's Judgment and decision as to all matters pertaining to waste materials shall be final and binding. In case of forfeiture or surrender of this lease, all tailings and waste, not sold, or remaining on the leased premises, if not sold and removed within two (2) years, becomes the property of the Lessor and

Lessee waives all rights thereto and on payment of the damage to the surface by such deposit of rock waste and jig tailings left on the leased land more than two (2) years after termination Lessee shall be released and relieved from all further obligations or liabilities hereunder.

Should Lessee erect a mill on the leased premises or use any portion of the leased premises, it agrees to pay Lessor the reasonable annual value of the portion of the surface of the premises required for such use and the necessary storage facilties for rock and tailings or other use. If such value cannot be agreed upon by the parties, it shall be submitted for arbitration as hereinafter provided. Such mill and storage facilities may be established before arbitration, and an annual payment shall be made promptly after such arbitration is concluded. Upon such annual payment, Lessor shall grant to Lessee, by instrument in writing independent of this lease, the exclusive right, privilege and license to use the mill site and storage facilities for milling, beneficiating, stock piling and storing ores, concentrates, minerals, metals, pertinent in connection with mining or milling, so long as Lessee shall deem necessary while this lease shall remain in effect.

Anything hereinbefore to the contrary notwithstanding, Lessee, if not in default, shall have the right to remove any of its property used in connection with the exercise of the rights and privileges referred to in the preceding paragraph within six (6) months after tendering a proper surrender and a release of this lease.

6. (DAMAGES) Lessee shall cover all prospect holes and shall pay all damage to buildings, growing crops or timber caused by operations of Lessee. Should any regularly used water supply on the premises be drained by mining operations carried on by Lessee, the Lessee agrees to furnish Lessor with a new water supply equal to the existing water supply before mining operations were carried on.

7. (ADVANCED ROYALTIES AND WORK REQUIREMENTS) Lessee, except as herein otherwise provided, each year during the life of this agreement beginning _____, 19_____, (hereinafter referred to as "work year") shall:

A. Perform mining operations, conducted in good and miner-like manner and in conformity with proper practice, or,

B. Explore by means of bona fide drilling methods, or,

C. Prospect geophysically by means of airborne or ground-operated scientific equipment, or prospect geochemically by means of soil, water or plant analysis and/or laboratory experiment, or,

D. Pay the sum of fifty (50) cents per acre per year on or before the expiration of any work year during which Lessee has not performed either A., B., or C. such payment to be considered advance royalty against subsequent earned royalties provided, if Lessee terminates this lease prior to the expiration of any work year Lessee shall pay Lessor on a pro-rata basis for those months during such work year that this lease was in force and effect, unless Lessee has performed either A., B., or C. during the previous part of the said work year. After the first four years of this lease, the Lessee will pay to the Lessor at least ten (10) dollars an acre on lands in which minerals are owned by Lessor and hereby leased, as royalty earned by mining work, referred to in (A) above or as advance royalty applicable against subsequent royalties.

8. (SUSPENSION OF WORK ON LOW MARKET) In the event of a drop in the market price of Zinc or Copper as quoted in the Engineering and Mining Journal, to less than twelve (12) cents per pound for Zinc, and thirty (30) cents per pound for Copper, the Lessee may suspend all operations until the quoted prices are again equal to at least twelve (12) cents per pound for Zinc and thirty (30) cents per pound for Copper, during such period this lease shall remain in effect with the payment of a minimum advance royalty of fifty (50) cents an acre per year. The suspension of such work shall not exceed a period of four (4) years at any one time.

9. (EARNED ROYALTIES). Lessee shall pay to the Lessor a royalty of five (5) percent of the net proceeds (except for such proceeds as is hereinafter specified for metallic ores) to Lessee before processing, realized by the Lessee in each month from all marketable nonmetallic mineral products produced from ore or mineral substances mined, quarried, or removed from the leased premises, in which minerals are owned by Lessor and hereby leased. Lessee shall pay a royalty of five (5) percent of the net smelter return (received by Lessee) less freight, of such sulfide and concentrates from metallic ores mined and marketed from the leased premises in which minerals are owned by lessor and hereby leased. "Concentrates" for the purposes hereof means the saleable Zinc, Lead, Copper, Nickel, Cobalt, Iron, Gold or Silver minerals economically recoverable. "Net Smelter Return" for the purposes hereof when used with respect to the minerals listed above means the price established at smelter, less freight, by responsible buyers of such marketable mineral products or of concentrates of a similar grade and kind produced from ores mined and milled in said district and prevailing at the time the concentrates are delivered to the smelter for treatment; but Lessee shall be entitled to take credit against any royalties payable under this paragraph for any advanced royalties previously paid during the term of this lease and not previously recovered by Lessee.

10. (ROYALTY PAYMENTS) Royalty payments shall be made by the Lessee on or before the last day of each calendar month for all ores delivered at the mill or smelter during the preceding calendar month. Royalty or other payments under this agreement shall be paid (a) to Lessor at _____ _____ or (b) as Lessor may in writing designate.

11. (RECORDS AND REPORTS) Lessee agrees to keep an accurate record of all ores mined from the leased premises and of all calculations relative to royalty payments hereunder. Said records may be inspected by Lessor at all reasonable times. Lessee will make available for Lessor's inspection, at the end of the term of this lease, information as to the location and footage of each hole drilled on said land. At the termination, Lessee will furnish a factual record of any holes drilled on the land together with a map showing the location of such holes, together with copies of all mining maps and records of mines on demised premises or on adjacent premises operated co-jointly with the demised premises.

12. (FORFEITURE) In case of failure of Lessee to keep and perform any of the terms and obligations of this lease, Lessor may give ninety (90) days written notice of the breach or violation complained of. If such violation or default is not removed, or as nearly corrected as possible, within said ninety (90) day period, this lease shall thereupon terminate; provided, however, that no forfeiture shall be asserted where Lessee claims no breach or violation has occurred or that the same has been removed or corrected as nearly as pos-

sible within the ninety (90) day period, in which event the same shall be submitted for arbitration in accordance with Paragraph 15 of this lease. Provided further that no forfeiture shall be asserted based on cessation or delays in operations hereunder when occasioned by fire, war, riot, civil commotion, strikes, operations of law or interference by the Government or its agencies, acts of nature or other causes, whether like or unlike those enumerated, beyond the control of Lessee. Upon forfeiture, Lessee shall account for and pay royalties accrued to the date of such termination and execute and tender to Lessor a written release and surrender thereof in proper form to be recorded in the Office of the _____ County Clerk.

13. (SURRENDER) Lessee may at any time, when not in default, surrender this lease by executing and tendering to Lessor a written release thereof in proper form to be recorded in the Office of the _____ County Clerk, and from and after such tender Lessee shall be released and relieved from all further obligations and liability hereunder, with respect to or in any way connected with the above described premises or the exercise of Lessee's rights hereunder, except to account for and make payments accrued during the life hereof. Tender of such release may be made by delivery of same to Lessor in person, or to his agent, or by recording such release in the Office of the Clerk of the Court of the County in which the leased premises are located, and paying the recording fee.

14. (NOTICES) All notices herein provided to be given in writing shall, unless otherwise provided, be mailed by registered mail to the address following, until some other address is designated in a notice so given.

LESSOR'S ADDRESS: _____

LESSEE'S ADDRESS: ROLAND F. BEERS, INC., P. O. Box 1019, Troy, New York.

15. (ARBITRATION) In event the parties hereto cannot mutually agree upon any matters arising out of this lease, the same shall be determined by arbitration; the Lessor to select one arbitrator, the Lessee to select one arbitrator, and the two arbitrators so selected to select a third arbitrator. Such submission to arbitration shall be a condition precedent to action by either party hereto, in any court, and it is hereby expressly agreed between the parties hereto that such submission to arbitration may be entered of record in the court of proper jurisdiction. The determination by such arbitration shall be binding and conclusive on the parties hereto and may be entered as the judgment or decree of such court. Expenses of the arbitration shall be borne by the parties equally.

16. (ASSIGNABILITY) This lease shall be binding upon and inure to the benefit of the respective parties hereto, and their personal representatives, successors and assigns.

17. (ENTIRE CONTRACT) It is agreed that the entire contract and agreement between Lessor and Lessee is embodied herein, and that no oral warranties, representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying or as an inducement to this Agreement.

IN WITNESS WHEREOF, Lessor and Lessee have hereunto set their hands and seals the day and year first above written.

In the presence of:

Mary A. Nicholson

LESSOR

Franz U. Burkett (seal)

(seal)

(seal)

(seal)

LESSEE
ROLAND F. BEERS, INC.

By Shirley H. Clickner (seal)
Authorized Agent

STATE OF MAINE
COUNTY OF Knox ss.

I, Curtis M. Payson a Notary Public in and for the State and County aforesaid, do hereby certify that Franz U. Burkett _____ personally appeared before me this day and acknowledged the due execution of the foregoing instrument. Witness my hand and official seal this 11 day of April, 19 58.

Curtis M. Payson
Notary Public
My Commission Expires:
April 21 1962

STATE OF NEW YORK
County of Rensselaer ss.

On this 7th day of May in the year Nineteen Hundred Fifty-eight before me personally came Shirley H. Clickner to me known, who, being by me duly sworn, did depose and say that he resides in the Town of Brunswick, N. Y., and that he is Authorized Agent of Roland F. Beers, Inc., the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by Order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

_____
Notary Public in the State of New York
My Commission Expires:
March 30, 1960

Form 1 - 11/57

9-0-1-35

9.0-1-35

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 15 1958

DATE	INITIALS	CODE

MINING LEASE

FROM

Mrs. Gladys Hooper &

Mr. Ralph Hooper

TO

ROLAND F. BEERS, INC.
TROY, NEW YORK

Date of Lease April 15, 1958

Number of Acres 96

County of Knox

State of Maine

Expiration of Definite Term 5 yrs.

RECORDER'S DATA

Received for Record _____, 19__

Recorded _____, 19__

Recorded _____, 19__

In Book _____ Page _____

_____, Recorder

of _____

Agreement

Made and entered into this 15th day of April A. D., 1958 by and between Mrs. Gladys Hupper & her husband Mr. Ralph Hupper of R.F.D. #1, Warren County of Knox and State of Maine of the first part, hereinafter referred to as Lessor, and Roland F. Beers, Inc., of Troy, New York, of the second part, hereinafter referred to as Lessee.

Witnesseth:

1. (LEASING CLAUSE) That Lessor, in consideration of the sum of One Dollar Cash in hand paid, the receipt of which is hereby acknowledged, under the covenants, conditions, and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, does lease, let and demise exclusively to Lessee, all their right, title and interest in and to all and every prospecting, mining and quarrying right and privilege in and upon the lands hereinafter described, together with the privilege of erecting and installing any and all machinery and equipment, necessary or convenient, for the sole purpose of prospecting, mining, quarrying, processing and marketing of ores and minerals as found on this land alone or on neighbering lands.

The following described premises owned by Lessor and situated in Warren Twp. Knox County and State of Maine, being all of their right, title and interest in and to the premises conveyed by Lawrence E. Stinson to said Mr. & Mrs. Hupper by a deed dated 3/20/53 and recorded 3/20/53, in Liber No. 331 of Deeds at Page 67 containing approximately 96 acres, more or less. However, no mine shaft shall be placed within three hundred (300) feet of any building now on the premises except by mutual consent.

2. (LESSOR'S COVENANTS) Lessor agrees that Lessee at its option may pay and discharge any taxes, mortgages or other liens now existing, levied or assessed on or against the above described lands or any subsequent liens incurred by the lessors, and, in the event that it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien, any royalty or rentals accruing hereunder.

3. (LESSEE'S COVENANTS) Lessee shall pay for its own account, any and all taxes levied or assessed against the mines, minerals, mills, or mining and milling equipment on the above described premises during the term of this lease, and if not so paid, lessors, their heirs or assigns, may pay the same and charge such payment against the lessee as royalty due, or have any other legal remedy.

4. (TERMS) This lease shall run for a period of five (5) years, and so long thereafter as mining operations are performed or maintained on said leased premises unless terminated sooner as herein provided. If Lessee has discovered an ore body on said leased premises by the time of expiration of said term, Lessee may at its option, renew said lease for a similar term of years on the same terms and conditions as herein provided, except as to advance royalties which shall continue during any such renewal or renewal periods at a minimum of $10.00 per acre, in which event Lessee shall give Lessor written notice of its intention so to do on or before sixty (60) days prior to the expiration of said term. Upon the renewal of said lease, all royalties, advances or otherwise shall continue to be paid as though said lease had never been terminated.

5. (MINING RIGHTS) This lease conveys all the right, title and interest of the Lessors in the surface land rights necessary for prospecting, developing and operating any mine or mines in said land, or operating mills on said land. Lessee shall have right of ingress and egress, and right of way to and from any place where operations are carried on, and to the public highway. Lessee, however, shall use one roadway to and from any mine or mill on said land, and shall keep all gates closed or erect cattle guards on such part of said premises as are used by it. Lessee agrees that all of its operations on said premises shall be conducted in accordance with good and customary mining practices. Ores mined from the leased premises may be milled and prepared for market thereon or on other lands, separately or in connection with other ores, as Lessee may elect. Lessee shall have the privilege of raising ores from said land through shafts or inclines on other lands in the area, and the privilege of milling, cleaning or otherwise treating such ores in plants or mills located upon such lands. Lessee shall also have the privilege of transporting to, across, through or under and of raising ores mined from other lands through tunnels, drifts, shafts or inclines which Lessee has sunk or driven on the leased premises for the purpose of working same and of milling, cleaning or otherwise treating such ores in mills or plants located upon the leased premises. The privileges referred to in the last preceding sentence shall survive the termination by expiration or otherwise of the lease. For any period after such termination during which Lessee is (a) raising, through a shaft driven on the demised premises ores exclusively from other lands in which Lessor has no interest, or (b) milling, cleaning or otherwise treating on the demised premises, ores exclusively from such other lands, or (c) doing both (a) and (b), Lessee shall pay Lessors five hundred (500) dollars per year. The right to use underground tunnels, drifts, inclines, or exploration openings existing in the leased premises at the termination of this lease shall also survive such termination without payment for such use for so long as the use of any of the same may be necessary or convenient for any mining purpose connected with this or any other property.

During the term of this contract all rock waste and fig tailing resulting from the operation of any mines located on said premises may be sold by Lessee, and Lessee shall pay to Lessor Fifty (50) per cent of the net sales price. It is agreed that either Lessor or Lessee shall have the right to use, without cost, so much of said tailing or waste rock as may be required in connection with mining or milling operations or for use on the leased premises. Lessee's Judgment and decision as to all matters pertaining to waste materials shall be final and binding. In case of forfeiture or surrender of this lease, all tailings and waste, not sold, or remaining on the leased premises, if not sold and removed within two (2) years, becomes the property of the Lessor and

Lessee waives all rights thereto and on payment of the damage to the surface by such deposit of rock waste and/or tailings left on the leased land more than two (2) years after termination Lessee shall be released and relieved from all further obligations or liabilities hereunder.

Should Lessee erect a mill on the leased premises or use any portion of the leased premises, it agrees to pay Lessor the reasonable annual value of the portion of the surface of the premises required for such use and the necessary storage facilities for rock and tailings or other use. If such value cannot be agreed upon by the parties, it shall be submitted for arbitration as hereinafter provided. Such mill and storage facilities may be established before arbitration, and an annual payment shall be made promptly after such arbitration is concluded. Upon such annual payment, Lessor shall grant to Lessee, by instrument in writing independent of this lease, the exclusive right, privilege and license to use the mill site and storage facilities for milling, beneficiating, stock piling and storing ores, concentrates, minerals, metals, pertinent in connection with milling or milling, so long as Lessee shall deem necessary while this lease shall remain in effect.

Anything hereinbefore to the contrary notwithstanding, Lessee, if not in default, shall have the right to remove any of its property used in connection with the exercise of the rights and privileges referred to in the preceding paragraph within six (6) months after tendering a proper surrender and a release of this lease.

6. (DAMAGES) Lessee shall cover all prospect holes and shall pay all damage to buildings, growing crops or timber. Should any regularly used water supply on the premises be drained by mining operations carried on by Lessee, the Lessee agrees to furnish Lessor with a new water supply equal to the existing water supply before mining operations were carried on.

7. (ADVANCED ROYALTIES AND WORK REQUIREMENTS) Lessee, except as herein otherwise provided, each year during the life of this agreement beginning April 15 1957, (hereinafter referred to as "work year") shall:

A. Perform mining operations, conducted in good and miner-like manner and in conformity with proper practice, or,

B. Explore by means of bona fide drilling methods, or,

C. Prospect geophysically by means of airborne or ground-operated scientific equipment, or prospect geochemically by means of soil, water or plant analysis and/or laboratory experiment, or,

D. Pay the sum of fifty (50) cents per acre per year on or before the expiration of any work year during which Lessee has not performed either A., B., or C. such payment to be considered advance royalty against subsequent earned royalties provided, if Lessee terminates this lease prior to the expiration of any work year Lessee shall pay Lessor on a pro-rata basis for those months during such work year that this lease was in force and effect, unless Lessee has performed either A., B., or C. during the previous part of the said work year. After the first four years of this lease, the Lessee will pay to the Lessor at least ten (10) dollars an acre on lands in which minerals are owned by Lessor and hereby leased, as royalty earned by mining work, referred to in (A) above or as advance royalty applicable against subsequent royalties.

8. (SUSPENSION OF WORK ON LOW MARKET) In the event of a drop in the market price of Zinc or Copper as quoted in the Engineering and Mining Journal, to less than twelve (12) cents per pound for Zinc, and forty (40) cents per pound for Copper, the Lessee may suspend all operations until the quoted prices are again equal to at least twelve (12) cents per pound for Zinc and forty (40) cents per pound for Copper, during such period this lease shall remain in effect with the payment of a minimum advance royalty of fifty (50) cents an acre per year. The suspension of such work shall not exceed a period of four (4) years at any one time.

9. (EARNED ROYALTIES) Lessee shall pay to the Lessor a royalty of five (5) percent of the net proceeds (except for such proceeds as is hereinafter specified for metallic ores) to Lessee before processing, realized by the Lessee in each month from all marketable nonmetallic mineral products produced from ore or mineral substances mined, quarried, or removed from the leased premises, in which minerals are owned by Lessor and hereby leased. Lessee shall pay a royalty of five (5) percent of the net smelter return (received by Lessee) less freight, of such sulfide and concentrates from metallic ores mined and marketed from the leased premises in which minerals are owned by lessor and hereby leased. "Concentrates" for the purposes hereof means the salable Zinc, Lead, Copper, Nickel, Cobalt, Iron, Gold or Silver minerals economically recoverable. "Net Smelter Return" for the purposes hereof when used with respect to the minerals listed above means the price established at smelter, less freight, by responsible buyers of such marketable mineral products or of concentrates of a similar grade and kind produced from ores mined and milled in said district and prevailing at the time the concentrates are delivered to the smelter for treatment; but lessee shall be entitled to take credit against any royalties payable under this paragraph for any advanced royalties previously paid during the term of this lease and not previously recovered by Lessee.

10. (ROYALTY PAYMENTS) Royalty payments shall be made by the Lessee on or before the last day of each calendar month for all ores delivered at the mill or smelter during the preceding calendar month. Royalty or other payments under this agreement shall be paid (a) to Lessor at RFD 1, Warren, Maine or (b) as Lessor may in writing designate.

11. (RECORDS AND REPORTS) Lessee agrees to keep an accurate record of all ores mined from the leased premises and of all calculations relative to royalty payments hereunder. Said records may be inspected by Lessor at all reasonable times. Lessee will make available for Lessor's inspection, at the end of the term of this lease, information as to the location and footage of each hole drilled on said land. At the termination, Lessee will furnish a factual record of any holes drilled on the land together with a map showing the location of such holes, together with copies of all mining maps and records of mines on demised premises or on adjacent premises operated co-jointly with the demised premises.

12. (FORFEITURE) In case of failure of Lessee to keep and perform any of the terms and obligations of this lease, Lessor may give ninety (90) days written notice of the breach or violation complained of. If such violation or default is not removed, or as nearly corrected as possible, within said ninety (90) day period, this lease shall thereupon terminate; provided, however, that no forfeiture shall be asserted where Lessee claims no breach or violation has occurred or that the same has been removed or corrected as nearly as pos-

sible within the ninety (90) day period, in which event the same shall be submitted for arbitration in accordance with Paragraph 16 of this lease. Provided further that no forfeiture shall be asserted based on cessation or delays in operations hereunder when occasioned by fire, war, riot, civil commotion, strikes, operations of law or interference by the Government or its agencies, acts of nature or other causes, whether like or unlike those enumerated, beyond the control of Lessee. Upon forfeiture, Lessee shall account for and pay royalties accrued to the date of such termination and execute and tender to Lessor a written release and surrender thereof in proper form to be recorded in the Office of the Knox County Clerk.

13. (SURRENDER) Lessee may at any time, when not in default, surrender this lease by executing and tendering to Lessor a written release thereof in proper form to be recorded in the Office of the Knox County Clerk, and from and after such tender Lessee shall be released and relieved from all further obligations and liability hereunder, with respect to or in any way connected with the above described premises or the exercise of Lessee's rights hereunder, except to account for and make payments accrued during the life hereof. Tender of such release may be made by delivery of same to Lessor in person, or to his agent, or by recording such release in the Office of the Clerk of the Court of the County in which the leased premises are located, and paying the recording fee.

~~14. (Option) Lessee agrees at any time, until the term of this lease, or any renewal or extension thereof, to surrender all of Lessee's right, title and interest in and to the leased premises or any part thereof to Lessor to lay and release said premises.~~

15. (NOTICES) All notices herein provided to be given in writing shall, unless otherwise provided, be mailed by registered mail to the address following, until some other address is designated in a notice so given.

LESSOR'S ADDRESS: RFD #1, Warren, Maine

LESSEES'S ADDRESS: ROLAND F. BEERS, INC., P. O. Box 1019, Troy, New York.

16. (ARBITRATION) In event the parties hereto cannot mutually agree upon any matters arising out of this lease, the same shall be determined by arbitration; the Lessor to select one arbitrator, the Lessee to select one arbitrator, and the two arbitrators so selected to select a third arbitrator. Such submission to arbitration shall be a condition precedent to action by either party hereto, in any court, and it is hereby expressly agreed between the parties hereto that such submission to arbitration may be entered of record in the court of proper jurisdiction. The determination by such arbitration shall be binding and conclusive on the parties hereto and may be entered as the judgment or decree of such court. Expenses of the arbitration shall be borne by the parties equally.

17. (ASSIGNABILITY) This lease shall be binding upon and inure to the benefit of the respective parties hereto, and their personal representatives, successors and assigns.

18. (ENTIRE CONTRACT) It is agreed that the entire contract and agreement between Lessor and Lessee is embodied herein, and that no oral warranties, representations or promises have been made or relied upon by Lessor or Lessee supplementing, modifying or as an inducement to this Agreement.

IN WITNESS WHEREOF, Lessor and Lessee have hereunto set their hands and seals the day and year first above written.

In the presence of:

Robert S. Young

Robert S. Young

LESSOR

Mrs Gladys Hupper

Mr Ralph Hupper

(seal)

(seal)

Dorothy C. Dillon

LESSEE

ROLAND F. BEERS, INC.

By Shirley H. Clickner (seal)
Authorized Agent

STATE OF Maine
COUNTY OF Knox } ss.

I, Doris V. Cryler, a Notary Public in and for the State and County aforesaid, do hereby certify that Ralph Hupper and his wife Gladys Hupper personally appeared before me this day and acknowledged the due execution of the foregoing instrument. Witness my hand and official seal this 29 day of April, 1957.

Doris V. Cryler
Notary Public
My Commission Expires:
June 29 1960

STATE OF NEW YORK
County of Rensselaer } ss.

On this 1st day of May in the year Nineteen Hundred Fifty-eight before me personally came Shirley H. Clickner to me known, who, being by me duly sworn, did depose and say that he resides in the Town of Brunswick, N. Y., and that he is Authorized Agent of Roland F. Beers, Inc., the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by Order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

Marion L. Hunziker
Notary Public in the State of New York
My Commission Expires:

MARION L. HUNZIKER
Notary Public, State of New York
Residing in Rensselaer County
Commission expires March 30, 1960

Form 2 - 11/57

Leaf No.
Q.6-1-35

ROLAND F. BEERS, INC.
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DATE	INITIALS	NOTE

NOTE: Copies of the following leases will be sent at a later date:

Lease No. 9.0-1-42
9.0-1-43
9.0-1-44
9.0-1-45
9.0-1-46

Attachment C

ATTACHMENT C

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DMEA

2. Physical Descriptions:

(a) In this discussion, the history of mining and exploration in the area is not restricted to that involving sulfide ore minerals.

The only mining and production known to have taken place in the area were limestone (marble) operations. Exploration pits and open quarries dot the area in a trend extending from U. S. Route 1 at North Pond northeastward to the latitude of Crawford Pond. Although openings are numerous, gross production from the prospect area does not appear to have been significant. Judging from the number of field kilns, the limestone production was burned as used locally. No limestone production has been recorded from this area for many years.

During the past three years, the Dow Chemical Company has been intensively prospecting a limited, spadumene-bearing, pegmatite belt at South Warren. Mining has not been started to date. Because of the restricted nature of this deposit, no conflict in land acquisition is foreseen which would involve the proposed Warren-Friendship exploration program.

Insofar as is known, no serious exploration for sulfides has taken place here, other than the efforts of the staff of Roland F. Beers, Inc. After demonstrating the nickel ore body potential of the Crawford Pond Prospect (ref.: DMEA Docket #4797), exploration efforts of the Corporation were directed, in part, to the search for other nickel-bearing ultrabasic (peridotite-norite) bodies. This search, as a natural consequence, included reconnaissance magnetometer surveys of the suspected trend southwest of Crawford Pond. These magnetic surveys were, for the major part, confined to public roads and power lines. A map showing these magnetic data is attached. As a direct result of this work, two ultrabasic bodies have been discovered, both of which are similar in most respects to the mineralized peridotite at Crawford Pond.

As a parallel effort to the geophysical program, a rapid-reconnaissance method of boulder tracing and evaluation was developed by Dr. J. R. Dunn, consultant to this company. The technique was effectively applied to the Warren-Friendship area; preliminary results are shown on an attached map, showing significant boulder occurrences and outcroppings of ultrabasic rocks.

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(b) Insofar as is known, all of the recent exploration activities, involving the search for nickel-bearing ultrabasics, described in 2(a) were conducted by staff members of Roland F. Beers, Inc.

(c) There has been no production of nickel-cobalt in the area.

(d) It is not possible, at this time, to estimate the potential ore reserves of the Warren-Friendship area.

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(e) Geologic features

The prospect area is contained in a rectangular strip about two miles wide and 15 miles long, extending S 18° W from the south shore of Crawford Pond. It lies in the towns of Union, Warren, Waldoboro, Cushing and Friendship, Knox and Lincoln Counties, Maine (Waldoboro Quadrangle, U.S.G.S. Topographic Map). The prospect will cover 30 square miles or more, depending upon the extent of significant discoveries.

The prospect is a southerly extension of the Crawford Pond Prospect (nickel-cobalt) (DMEA application, Roland F. Beers, Inc., dated March 4, 1958, Docket No. 4797). It is the result of reconnaissance exploration in search of a postulated extension of the ultrabasic rocks and the associated nickel-bearing sulfides described in the earlier application. Since the geology, petrology and mineralogy are similar to those described in the former application, only the salient features are reported here. More detailed information is contained in the earlier report on geology, copy of which is attached.

General Geology

The regional geology has been reported by Smith, Bastin and Brown (1907), Bastin (1908), Houston (1956) and Dunn (1958). A preliminary geologic map was published by Keith in 1933. The area is underlain principally by Lower Paleozoic metasediments which are intruded by mafic rocks, granite and pegmatites. The sedimentary rocks include quartz-biotite schist, quartzite and marble. Mafic rocks range from dense, massive peridotite composed chiefly of olivine, plagioclase ($A_{n\,55}$), pyroxene and pyrrhotite to an altered phase composed of "green coarse-grained actinotite-anthophyllite rock containing minor chlorite, biotite and magnetite"(Dunn, 1958). The schist ranges in composition from a quartzitic variety to dense, black, fine-grained biotite and gneissic varities, sometimes showing lit-par-lit injections composed of quartz and feldspar. Granite and granite pegmatite crosscut frequently, showing strong reactions with the intruded rocks.

Marble crops out in a wide north south belt extending along the west side of the prospect for a distance of more than 18 miles.

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Other isolated marble outcrops occur east of the peridotite belt on the Crawford Pond Prospect. The marble is of Cambro-Ordovician age (Bastin, 1908) and varies from a coarsely crystalline calcitic variety to white dolomite interbedded with biotite schist, "altered at the contacts through an amphibole-rich calc-silicate rock into the biotite schists and gneisses" (Dunn, 1958).

Structural Geology

On the Crawford Pond Prospect "the general attitude of the schists and gneisses is N 20° E and vertical". "Regionally the foliation strikes N 20° E and dips 75-85° southeast, parallel to the axial planes." (Houston, 1956) The peridotite conforms to this general attitude as far as outcrops and geophysical observations can show. A reconnaissance interpretation of aerial photographs indicates structural trends which conform to this attitude on the Crawford Pond Prospect. The photographs also indicate definite structural features in other parts of the area. Preliminary examination of these trends in the field and reconnaissance geophysical surveys show that the prospect can be mapped in detail with satisfactory results. A copy of the reconnaissance aerial map is attached.

Sulfide Mineralization

Outcrop and pit samples taken on the Crawford Pond Prospect have shown that the pyrrhotite body occupies up to 35% of the volume of the rock. Analyses of this material show 5% sulfides on the western border up to 35% to the east (Dunn, 1958). Assays for economic minerals show the following values:

Element	Sample #1	Sample #2
Ni	0.508%	0.817%
Cu	0.33	0.53
Co	0.066	0.088
Zn	0.7	0.2

#1 - Grab sample averaged from entire outcrop
#2 - Average sample from east side of outcrop.

Reports of assays are attached.

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These results, taken on the Crawford Pond Prospect, are comparable to those which have been found in the extension of the prospect to the south. It should be noted that the outcrops of sulfide-bearing rocks have not been found where the EM surveys show the maximum conductivity but in a parallel belt to the west. At the locations of maximum conductivity, the sulfide-bearing rocks are completely covered, frequently at low-elevations covered with swampy ground or water. Where outcrops have been found, as shown on the accompanying map, samples have indicated a range of sulfide content equivalent to that found on the Crawford Pond outcrops. Spot tests of grab samples taken at the outcrops indicate that the content of nickel, cobalt and copper is comparable with that found in similar samples on the Crawford Pond Prospect. The magnetic axis associated with these outcrops lies to the east some 100 feet, as is also the case on the Crawford Pond Prospect.

References:

Bastin, E. S., 1908, U. S. Geol. Surv. Atlas, Rockland Folio (158)

Bastin, E. C., 1908 (2), A pyrrhotitic peridotite from Knox County, Maine. Jour. Geol., vol. XVI, no. 2, pp. 124-139.

Dunn, J. R., in Beers, Roland F., Inc. (1958) Application for DMEA assistance at Crawford Pond Prospect, Knox County, Maine. Section 2(e), Attachment C.

Houston, R. S. (1956), Genetic Study of Some Pyrrhotite Deposits of Maine and New Brunswick, Bulletin Maine Geol. Surv.

Keith, Arthur, 1933, Preliminary geologic map of Maine, Geol. Survey, Orono, Maine

Smith, G. O., Bastin, E. S., and Brown, C. W., 1907, U. S. Geol. Surv. Geol. Atlas, Penobscot Bay Folio (149)

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(f) The Warren-Friendship Prospect, as described herein, seems to constitute a natural extension to the south of the nickel-cobalt-copper bearing ultrabasic rocks at the Crawford Pond Prospect. Bedrock geology, structure, and the mineralogy of sulfide deposits all seem to parallel the facts observed at Crawford Pond. It is logical to consider this prospect as a continuation of these circumstances.

It has been conclusively demonstrated that the combined geological-geophysical program proposed in this application is capable of locating sulfide-bearing ultrabasics.

The geological setting exists in which the desired ultrabasics occur, and techniques are available to locate these bodies. There is every reason to assume that certain of these host bodies will be as heavily mineralized with nickel sulfides as that at Crawford Pond.

Anticipating favorable action on the pending application (DMEA Docket No. 4797; dated March 4, 1958), it should be noted that progress in exploration at Crawford Pond will be of immediate benefit in the prosecution of the Warren-Friendship Prospect survey.

(g) See attached maps and assays.

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(e)* The nickel-copper-cobalt-zinc prospect, immediately southwest of East Union, Maine, is in a peridotite which has been intruded into biotite schist of the Penobscot formation of Cambrian age. The exposed peridotite is generally uralitized in the sulfide-poor zones and relatively unaltered in the higher-grade zones. The attitude of the layering of the peridotite and of the schistosity of the biotite schist wall rocks averages N. 20° E. and vertical to steeply eastward in dip. The axes of the magnetic maxima and the trend of the electromagnetic crossovers are also basically parallel to the N. 20° E. strike.

The sulfide assemblage is pyrrhotite-pentlandite-chalcopyrite-sphalerite with the cobalt values probably in the pyrrhotite in solid solution.

The major outcrop nearest the "massive conductor" EM crossovers is 100 feet west and is the richest in sulfide of all outcrops found. This outcrop is bounded on its east side by a depression containing massive gossan. The average grade of the ore on the outcrop is 0.066% Co, 0.508% Ni, 0.33% Cu, and 0.7% Zn and is 10% to 20% sulfide by volume, but the sulfide content increases to the east (toward the gossan) where the total sulfide is 25% to 30% by volume and the grade is 0.817% Ni, 0.088% Co, 0.53% Cu and 0.2% Zn.

In several respects the deposit is similar to that at Lynn Lake, Manitoba, although it also has several mineralogic and distributional similarities to the Sudbury deposits.

Petrology: The predominant country rock in the immediate area of the Crawford Pond peridotite is the Penobscot formation (Cambrian), a heterogeneous biotite schist which forms the east and west walls of the peridotite. Included in what is mapped as biotite schist on the accompanying geologic map are dense, black, fine-grained biotite schists, locally containing chalcopyrite and pyrrhotite; quartzo-felspathic biotite schists which locally could be called lit-par-lit gneisses; medium-grained biotite granite and biotite granite pegmatite, rich in

* Section 2. (e) was prepared by James R. Dunn, consultant

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graphic microcline and locally carrying tourmaline. Sillimanite is locally present, according to Houston (1956), and minor graphite and garnet can be found. No attempt has been made as yet to study the mineralogic details or to determine stratigraphic units within the biotite schists.

Locally, the granite pegmatite crosscuts and nearly obliterates zones of biotite schist which are several hundred feet across. Small, irregular pegmatitic patches rimmed with thin biotite reaction rims are very common in the peridotite. In one pegmatitic patch, about 425 feet south of Harriman's house, chalcopyrite has been concentrated to the extent of perhaps 5% to 10% of the rock by volume.

East of the peridotite, apparently interbedded with the biotite schist, are two beds of white dolomitic marble, of Cambro-Ordovician age, which Bastin (1908) calls the Rockland limestone. They are talcose and tremolitic locally and at the edges grade through an amphibole-rich calc-silicate rock into the biotite schists and gneisses. The marble is exposed in several prospect pits but generally does not outcrop.

The peridotite, for the most part, is altered to a green coarse-grained actinolite-anthophyllite rock containing minor chlorite, biotite and magnetite. In the sulfide-rich outcrop, 350 feet north-northwest of Harriman's house, the amphiboles are not so much in evidence megascopically, but of three thin sections of the outcrop, two are mostly amphiboles and micas, and the third is composed of relict olivine surrounded by the alteration products. The most coarsely crystallized and uralitized peridotite seems to carry the least sulfide, a situation common at Sudbury and some other nickel mining areas. A possible exception is the northernmost peridotite outcrop on the map which is low in sulfide and seems to be unaltered.

The fresh peridotite, according to Bastin (1908), is fayalite-rich (Fa 67) and carries hornblende, pale red-brown biotite and minor plagioclase of composition andesine-oligoclase. No plagioclase was seen in the four thin sections studied by the present author. Bastin named the rock "lermondose" after Lermond Lake.

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Structural Geology: The general attitude of the schists and gneisses is N. 20° E. and vertical, but intense local contortions cause frequent variations from this, both in strike and dip. As near as can be ascertained from geological and geophysical data, the peridotite conforms to the general regional attitude. The axis of the conductor swings with the change in strike of the marble horizon to the east of the peridotite.

The peridotite having undergone metamorphism and folding is assumed to be on the limb of a structure, but the position of the other limb (and whether or not it even exists) is not known at this time. The peridotite may be on the west limb of an anticline, because presumably the sulfide is nearer the base than the top of the mass.

Drag folding is complex within the schists and has not been mapped in detail; but on the basis of the preliminary geologic work, there seem to be two sets of drags, one plunging almost vertically and the other almost horizontally, striking about N. 20° E.

Faulting seems to be minor, and no transverse displacements of the peridotite or ore have been found yet. Presumably, with such high angle folding, some thrusting is present. One small slickensided surface which has nearly strike-slip movement with apparently negligible displacement was found at the edge of Crawford Pond at the end of the causeway.

Distribution of Sulfide Mineralization: Although few concrete data about the distribution of the sulfides within the peridotite area are available at this time, much may be strongly implied from geological and geophysical information.

The immediate geologic inference is that the EM crossover and magnetic high 100 feet east of the outcrop on line "0" correspond with the zone of maximum sulfide content of the peridotite. The implication is rather strong that the ore gets both more massive and, quite possibly, higher grade to the east of the outcrop. In most nickel deposits, the massive pyrrhotite is the richest.

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Following are the results of two assays of the large sulfide-rich outcrop discussed above:

Element	Sample #1	Sample #2
Ni	0.508%	0.817%
Cu	0.33	0.53
Co	0.066	0.088
Zn	0.7	0.2

#1. Grab sample from whole outcrop.

#2. Average sample from east side of outcrop. See attached assays.

West of the outcrop noted above, the sulfide content in the peridotite drops off noticeably to perhaps 5-10%.

Minor chalcopyrite was found in some biotite schist at the west end of line 4N and line 6N, and chalcopyrite is also present in the small patch of pegmatite 425 feet south of Harriman's house. Limonite-rich wall rocks are found along the base line at 20S to 24S, and a magnetic anomaly coincides with limonite-rich outcrops of schist at the east end of line 20S.

Comparison with Other Nickel Deposits: The assemblage pyrrhotite-pentlandite-chalcopyrite in peridotite or norite is very common and has been found in many areas in the world. However, in its general relationships, the deposit at Crawford Pond has a most striking similarity to the large Lynn Lake, Manitoba, deposits. They are both in meta-peridotite, which is largely amphibole at present; they both have minor zinc values; minor copper in the form of chalcopyrite is found in the schists and some pegmatites; minor zinc-copper mineralization in veins is associated with both; both are cut by pegmatite patches and dikes; both are in irregular basic masses.

The highest values in most nickel deposits associated with basic igneous rocks are in massive pyrrhotite. The massive pyrrhotite probably present at Crawford Pond (from geophysical and geological data) is not visible, but presumably here too, the massive sulfides may also be the highest-grade ore.

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Origin of the Deposit: The origin of the deposit at Crawford Pond seems to be fairly straightforward. It is apparently a magmatic differentiate as are many such deposits. The relatively constant ratio of the distance of the EM axis to the walls suggests that the quantity of accumulated sulfide is proportional to the amount of melt which was available. It is rather obvious, however, that the observed peridotite is only part of a much larger mass, because the quantity of sulfide and valuable metals is completely out of proportion to the size of the peridotite mass which is visible. The large part which is not seen could extend northward, widen or extend greatly in depth, or have been eroded off. There seems to be little basis for a choice between the various hypotheses at this time.

The peridotite has been folded to its present vertical position and metamorphosed, probably both hydrothermally and metasomatically. Considerable water has been added in the production of the amphiboles and micas. The intrusion of pegmatites and the resultant local potash-aluminum metasomatism creating biotite reaction rims has further complicated the picture.

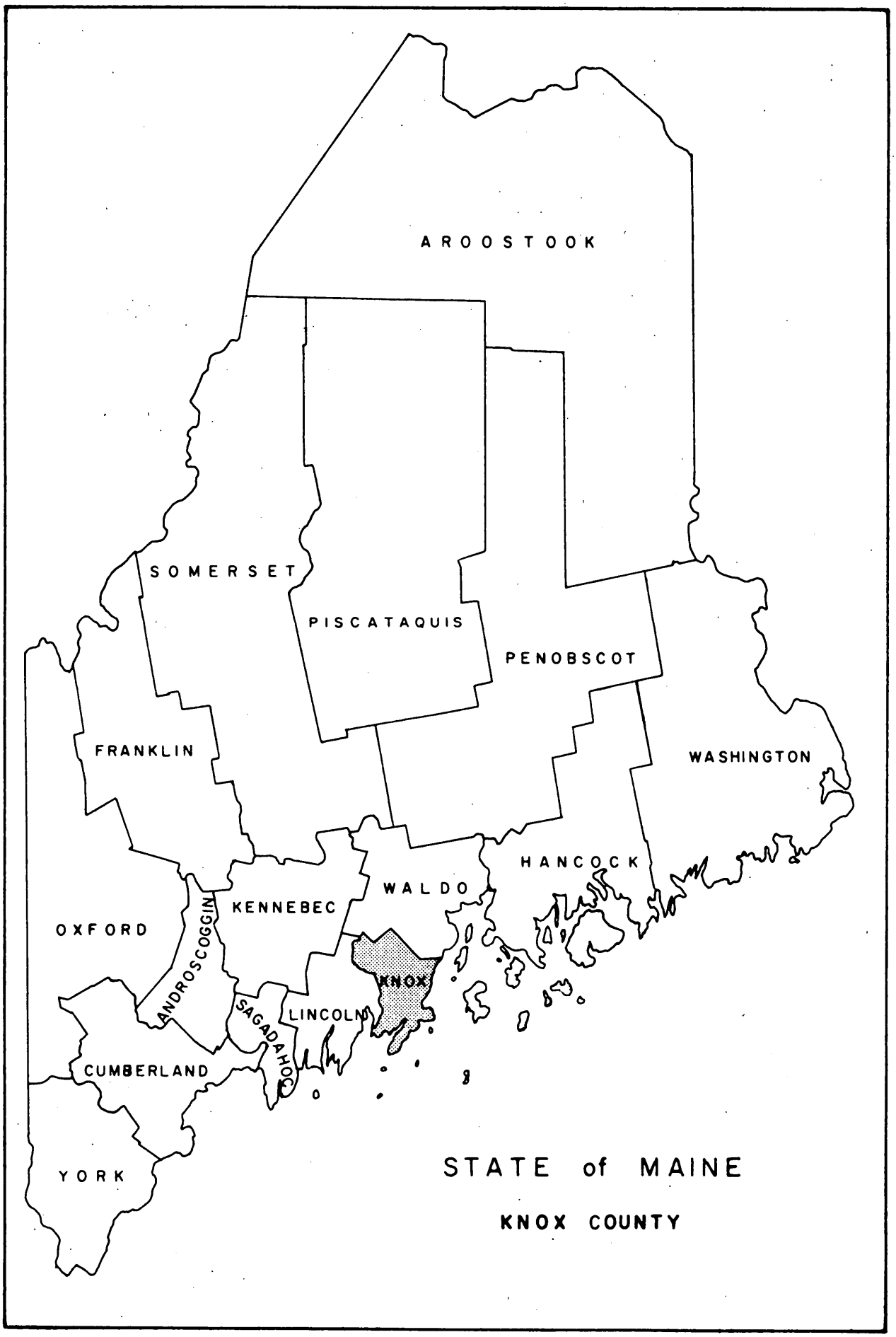
Because of the recrystallization of the peridotite and the movement of the hydrating metasomatizing fluids through it, some of the sulfides have most certainly been transported and redeposited at points within the peridotite and in the surrounding wall rock. Whether the overall effect of the sulfide remobilization is favorable or unfavorable is not known at this time.

References Cited

Bastin, E. S. (1908), Rockland Folio, #159, Geol. Atlas, U. S. Geol. Survey.

Bastin, E. S. (1908), A pyrrhotite peridotite from Knox County, Maine, Jour. Geol., vol. XVI, no. 2, pp. 124-139.

Houston, R. S. (1956), Genetic studies of some pyrrhotite deposits of Maine and New Brunswick, Bull. Maine Geol. Survey.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WASHINGTON
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WALDO
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Attachment D

ATTACHMENT D

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3. Accessibility of Project

(a) DMEA representatives desiring to examine the Warren-Friendship Prospect area will be met and aided by

Robert S. Young
Rockport, Maine
Telephone: Cedar 6-3231

The prospect area is readily accessible from U. S. Route 1. Subsidiary roads traversing the area are Maine State Routes 97, 131 and 220. In addition to the major roads, numerous all-weather gravel roads provide excellent access. U. S. Route 1, between Waldoboro and Thomaston, nearly bisects the area.

There are no mine workings known in the area; open pits of various sizes are numerous in the limestone belt.

(b) Supply points are:

Thomaston	-	8.8 miles
Waldoboro	-	4 miles
Rockland	-	12.5 miles
Augusta	-	45 miles
Portland	-	64 miles

Employees will reside at Rockland, 12.5 miles, and Rockport, 11.6 miles.

Attachment E

ATTACHMENT E

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4. The Exploration Project

(a) The purpose of the exploration program outlined herein is to locate and test nickel-bearing ultrabasic intrusives (peridotites, norites, gabbros). In an area of extensive glacial cover, as the Warren-Friendship area, a program involving only geological techniques is inadequate. All of the ultrabasics known to date in the western Knox County region express themselves magnetically. For this reason, the exploration program presented here is based on geophysics, with geology as a strong adjunct.

To afford complete control of such a program, the work should proceed in three stages, each becoming increasingly detailed. Each stage should be terminated by an evaluation conference between Corporation and Government personnel.

The general program is presented below in outline, from inception to possible completion. Application of Stages II and III is predicated on positive results from the preceding stage(s).

General Program

Stage I:

(a) Magnetometer survey of entire prospect area, and possible extensions east and west, using Sharpe A-2 and A-3 magnetometers.

i. Survey traverses 1,320' apart with stations at 132' intervals along traverses.

ii. Traverses to be laid out on recent aerial photographs, scale 1" = 1,320'.

iii. Complete survey of all public roads in exploration area.

iv. Survey all major lakes and ponds with boat-mounted A-3 magnetometer.

v. Field, geological evaluation of anomalous magnetic data at the time they are taken.

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(b) Follow-up of all anomalous areas delineated by work completed under Paragraph (a); all magnetic detail with Sharpe A-2 magnetometer.

i. Geologic mapping of the anomaly environs.

ii. Survey anomaly on traverses 400' apart with stations at 100' intervals with A-2 magnetometer.

iii. Survey above grid with electromagnetic equipment (vertical loop and horizontal loops).

iv. Soil sample grid on 50' centers.

Stage II: This stage of exploration will be applied to those individual prospects which are declared valid after the application of the components of Stage I, Paragraph (b). This, of course, does not necessarily mean that the data from all components be positive. Each prospect shall be evaluated in the light of all information available.

(a) Layout of detail grid system, traverses spaced at 200' intervals along strike of anomaly and 50' stations along traverses; estimated grid dimensions, 1,000' x 4,000'; transit-and-chain grid.

i. Detail geologic mapping
ii. Magnetometer survey, A-2
iii. Electromagnetic survey, vertical and horizontal loops
iv. Geochemical soil sampling
v. Run station elevations and prepare topographic base
vi. Complete property survey of grid and environs
vii. Integrate all data and prepare recommendation report.

(b) Drill geological-geophysical anomaly with "Pack Sack" drill to confirm anomaly to shallow depths. Drill estimated 10 holes, maximum depth 50' each (500' total EX drilling) on each legitimate prospect. Prepare final report, Stage II.

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Stage III: This stage is to be applied to those prospects which have successfully withstood the tests of Stage II, complete.

(a) Drill prospect with standard drilling equipment (NX-BX-AX or wire line equivalents) in a manner designed to best delineate and test a possible ore body. Drilling plans to be laid out on data obtained from Stage II. Three thousand feet of drilling should be reserved for each Stage III prospect, consisting of 1,500' committed at the start of drilling and 1,500' of reserve drilling. Assay work, commensurate with the prospect characteristics, should be included in this stage.

(b) Preparation of monthly and final reports and final evaluation of each prospect.

In this schedule of exploration, it is assumed that Stage II operations will proceed on eight individual prospects within the overall exploration area. It is further assumed that Stage III drilling will apply to one-half (4) of the prospects surveyed under Stage II.

Individual Prospects

As previously noted in this application, two ultrabasic bodies of the desired characteristics have been discovered through reconnaissance magnetic work. Both have been confirmed geologically. These anomalies have been designated (a) Simmons Prospect and (b) Starrett-Wiley Prospect. Leasing is completed on the Simmons Prospect (see attached Property Map) and land negotiations are under way on the Starrett-Wiley Prospect.

Sufficient work has been completed on these prospects to justify their assignment to Stage II operations. Should a DMEA contract be awarded under this application, it is requested that Stage II work be immediately initiated on these prospects.

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(b) The exploration area is well serviced by public highways and the country is generally open. It is not probable that access roads, of significant length, will be required.

(c) In the event that an exploration contract with DMEA is awarded, work will start within fifteen days. Completion dates, because of the nature of the proposed program, must remain within the realm of reasonable estimation and should be considered in terms of the component stages. It is probable, however, that work, confined to the individual stages, will overlap.

Stage I:

(a) Magnetometer survey, on traverse lines and public roads, est. 150 line miles. Two 2-man magnetometer crews, 1 geologist and 1 technician in each crew, rate est. at 3 line miles per day per crew, five and one-half days week = 16-1/2 l.m./wk./crew x 2 = 33 l.m./wk. total. Allowance of 25% for inclement weather = 8 l.m./wk., leaving an estimated production of 25 l.m./wk. total. Thus the magnetometer survey will require a total of six work weeks. Boat-mounted magnetometer survey, four ponds, est. one work week.

(b) Follow-up work on anomalies discovered through magnetic survey; estimated 30 anomalies, total:

i. Geologic mapping, one man month
ii. Semi-detail magnetic surveys, two man months
iii. Electromagnetic surveys, two man months
iv. Soil sampling, one man month

The follow-up work will require a total of six man months, to be accomplished by a six-man crew, two geologists and four technician assistants. This work should then be completed in six calendar weeks, including "down time" due to weather.

In recapitulation, Stage I should follow this schedule:

(a)	Magnetometer exploration:	7 weeks
(b)	Follow-up work:	6 weeks
	Total, Stage I,	13 weeks

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Stage II:

(a) Grid layout and complete geological-geophysical survey estimated eight prospects:

Est. 15 work days per prospect for 3-man crew, geologist and two assistants, two full crews = 12 work weeks

(b) "Pack Sack" drilling, one drill, two-man crew, est. 6 work weeks, 4 work weeks concurrent with work of Paragraph (a) = 2 work weeks

Stage II should follow this time schedule:

(a) Grid work:	12 weeks
(b) Drilling:	2 weeks
Total, Stage II,	14 weeks

Stage III:

(a) Drilling 4 prospects, standard equipment, est. rate, 30'/shift/day, two shifts/day, all prospects to be drilled concurrently; 3,000' total drilling per prospect = 50 drilling days (at 6 work days per week) = 9 work weeks, including down time. Also allow 2 weeks to allow moving in and moving on grid: Total drilling time, 11 weeks.

(b) Preparation of final reports, all prospects, 6 weeks.

Stage III, total time schedule, 17 weeks

Recapitulation:

Stage I	13 weeks
Stage II	14 weeks
Stage III	17 weeks
Total Contract	44 weeks

Attachment F

ATTACHMENT F

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5. Experience:

The exploration program outlined herein, although localized, will have access to the entire technical staff and operational facilities of Roland F. Beers, Inc.

The geophysical surveying program was accomplished wholly by Staff personnel. Geological interpretations were made with the aid of consultants. The preparation of this application, with the recommendations and decisions incorporated, was a Staff function.

The Corporation has for several years been conducting an extensive geological, geophysical and geochemical prospecting program in the eastern United States. This program has included prospect drilling.

Roland F. Beers is president of the Corporation and provides overall managerial direction. Further, Dr. Beers acts as geophysical consultant on all individual projects.

Beers, Roland F. - Consultant and General Manager:
b. June 6, 1899, Ed. R.P.I. '21 E.E., M.I.T. '28 S.M. (E.E. and Math.), Harvard Grad. Sch. Arts and Sc. '40-'41, Ph.D. (Geol.) '43.
Professional Experience: '21-'22, Inst. Physics and E.E., R.P.I.; -'23 Engg. Dept. Western Elec. Co., N.Y.C.; -'27, Raytheon Mfg. Co.; -'28, Sub. Signal Co.; -'37, V. Pres. G.S.I., Dallas; -'52, Chm. Bd. and Pres. Geotechnical Corp., Dallas; -'46 to '56, partner, Beers and Heroy, Troy, N.Y. and Dallas; '55 to date, President, Roland F. Beers, Inc., Troy; '43-'46, Research Assoc., M.I.T.; -'47-'48, Lecturer, R.P.I.; '49-'52, Professor of Geophysics and Head, Dept. Fuel Resources, R.P.I.; '48-'51, Director, W. & L. E. Gurley Co., Troy; '48-'57, Director Aeromagnetic Surveys, Ltd., Toronto, Canadian Airborne Geophysics, Ltd., Toronto and Hunting Geophysics Ltd., London, England. '50 to present, Director, Manufacturers National Bank, Troy.
Fellow, G.S.A., Amer. Acad. Arts & Sciences, N.Y. Acad. Sci., A.A.A.S., Chmn. J.R.D.B. Cte. on Geophysics, '46, Member Nat. Res. Council Cte. on Meas. Geol. Time, '47 to date; A.S.T.M. Ctes. on Surface and Sub-surface Exploration and Dynamic Properties of Soil, '47 to date; U.S. Delegate to I.U.G.G. Rome, '54; Member, Panel on Seismology and Gravity, International

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Beers, Roland F. continued -

Geophysical Year, '55-. A.G.I. Delegate to Nuclear Engineering and Science Congress, '55, Member, Petroleum Industry Radioactivity Advisory Cte., -'55; Member, S.E.G., S.Ex.G., S.E.P.M., A.A.P.G., A.I.M.E., Seis. Soc. Amer., A.G.U., Can. I.M.M.E., I.R.E.

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The exploration program as outlined in this application, will be under the immediate supervision of Robert S. Young, assisted by Donald E. Wyke.

Young, Robert S. - Regional Geologist and Branch Manager, P. O. Box 55, Rockport, Maine, b. April 14, 1922, m. '45; c. 2; B.A. Virginia, '50; M.A. '51, Ph.D. (Geol.) Cornell, '54; U.S.A.A.F. '42-'45.
Field geologist, State Geological Survey, Va., '52; Stratigrapher-Structural Geologist, Va. Div. Geol., '53-'56; Lecturer, Harpur Coll. '53-'54; Consulting Geol. '54-'56; Exploration Projects, United Carbon Co., Roland F. Beers, Inc.; Branch Mgr. and Regional Geol., Roland F. Beers, Inc '56-current.
Stratigraphic, structural and economic studies in northern Shenandoah Valley; geological and geophysical exploration for sulfides in eastern United States.
Soc. Econ. Paleo. and Min.; Min. Soc. Am.; Paleo. Soc.; Am. Assn. Petrol. Geol.; Geol. Soc. Am.; R.E.S.A.; Sigma Xi; Sigma Gamma Epsilon; Appl. Geol. Soc.

Wyke, Donald E. - District Geologist:
b. Jan. 2, 1919, m. '42, c. 4; Ed.: U. of Wyo., B.S. '55; M.S. '56; U.S.N.R. Naval Aviation '42-'45.
Beers and Heroy, '52-'55; Uranium Exploration, '55-'56; District Geologist, Roland F. Beers, Inc., '56-current.

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Profs. Shepard W. Lowman and James R. Dunn are geological consultants to the Corporation.

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Lowman, Shepard W (etmore) - Prof. Geology, R.P.I., Troy, N Y.
b. May 22, 1899, m. '23. c. 2.
Ed.: A.B. Columbia '23; M.A. '27; Ph.D. (Stratigraphic Geology) '49.
Professional Experience: Paleontology Int. Petrol. Co., Mex., '23-'25. Consulting geologist '27-'28. Stratigrapher, Skelley Oil Co., Tulsa, Okla. '28-'29. Stratigrapher, Mid-Continent Petrol. Corp., '29-'36. Geologist, Shell Oil Co., Houston, '36-'37; Stratigrapher and Chief Paleontologist, '37-'45; Research Geologist, '45-'50 Prof. Petroleum Geology R.P.I., Troy, '50 - . Marine Corps '18-'19.
Fellow, A.A.A.S., Assn. Geol. Teachers, A.A.P.G., Geophysical Union. Fellow, G.S.A., Soc.Econ.Pal. & Min.; A.P.I., Rocky Mtn.Geol. Soc., Fellow, Tex. Acad. Sci.; Tulsa Geol. Soc. (V Pres. and Editor '32). Chairman Research Comm. A.A.P.G. '44-'47. Chairman, Comm Habitat of Oil, A.A.P.G. '52-'54; Editor, Directory of Geologic Departments in U.S. and Canada; Amer. Geol. Inst. '51-'54; Assn. Geol. Teach. '55-'56; Member, Committee Education and Public Relations, A.G.I. '54-'56, President, Eastern Section Assn. Geol. Teachers, '53.
Stratigraphy and stratigraphic methods as related to geologic structure and sedimentary facies, especially in subsurface geology. Bibliography, 23 titles, esp. Sedimentary Facies in Gulf Coast, A A.P.G '48.

Dunn, James R (obert)
b. October 18, 1921; m., c. 4.
Education: B.A., U. of Cal., Berkeley, '43;
Ph.D. (Geology) U. of Cal , '50.
U.S.N. '43-'45. Geologist for New Idria Quicksilver Mining Co. '46-'47; Teaching ass't. U.C. '47-'50; Ph.D., Geology and Mining of Mona Lake, Calif.; Ass't. Prof., R.P.I., Troy, '50-'54; Assoc. Prof. R.P.I., '54 - ; Geologist for Iron Ore Co., Canada, Labrador, field season '51; Geologist for Shell Oil Co., Montana, field season '52; Geologist, N.Y.State pyrite deposits near Canton, Spring '53; Geologist in charge of limestone survey of N.Y.State, '54-'55 - ; Consultant for various individuals and groups including AEC metallurgical research, limestone quality control Callanan Road Improvement Co., manganese prospects, Adirondack Foundries, Inc., etc.
Papers - Geology of Mona Lake Area, Tufa of Mona Lake, Anthraxolite of Mohawk Valley, Plastic Models for teaching optics; GSA, AIMME, Theta Tau Geological Fraternity.

Attachment G

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ATTACHMENT G

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6. Estimate of Costs

(a) Independent contracts.
Independent contracts will be let for the entirety of the standard-rig prospect drilling. Because it is not possible to pinpoint the anomalies to be drilled at this time, drilling costs are estimated at the rate of drilling similar rocks within the general area (See bid, E. J. Longyear Co., Crawford Pond Application, DMEA Docket No. 4797).

Drilling 4 prospects concurrently:

1.	Moving costs, $600 per rig	$ 2,400.00
2.	Soil drilling, est. $4.00 per ft., est. 640'	2,560.00
3.	NX drilling, est. $4.30 per ft., est. 640'	2,752.00
4.	AX std. or BX w.l. drilling, est. $4.00 per ft., 10,720 ft.	42,880.00
5.	Down-time, all reasons, $7.50/hr., 50 hrs. total	375.00
	Total Cost, Drilling, Item 6(a)	$50,967.00

(b) Personal services.
In order that the program costs may be evaluated in terms of components, cost estimates are provided by stages.

Stage I:

(a)	Magnetometer survey; six weeks:	
	2 geologists at $135 per week, $810 each	$ 1,620.00
	2 technicians at $100 per week, $600 each	1,200.00
		2,820.00
	Boat crew, one week at $235 total	235.00
		$ 3,055.00

-continued-

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Stage I (continued):	
(b) Follow-up work; 6 weeks;	
2 geologists at $135/wk., $810 ea.	$ 1,620.00
4 technicians at $100/wk., $600 ea.	2,400.00
	$ 4,020.00
(c) Geophysical and geological consultants;	
2 at $50/day; 12 days	$ 600.00
Stage I total:	$ 7,675.00
Stage II:	
(a) Grid layout and survey; 12 weeks:	
2 geologists at $135/wk., $1620 ea.	$ 3,240.00
2 technicians at $100/wk., $1200 ea.	2,400.00
2 assistants at $75/wk., $900 ea.	1,800.00
	$ 7,440.00
(b) "Pack Sack" drill crew; 6 weeks;	
1 driller at $100/wk., $600	$ 600.00
1 assistant at $75/wk.	450.00
	$ 1,050.00
(c) Geophysical and geological consultants;	
2 at $50/day; 12 days	$ 600.00
Stage II total:	$ 9,090.00
Stage III:	
Geological supervision, drilling program and preparation of reports; total 17 weeks:	
1 geologist at $135/wk.	$ 2,295.00
1 assistant at $75/wk., 11 weeks	825.00
Stage III total:	$ 3,120.00
Entire program - General:	
1. Secretary, 44 weeks, $50/wk.	$ 2,200.00
2. Geologist - administrator, 44 weeks, $250/wk.	11,000.00
General total:	$13,200.00

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Recapitulation - Item 6(b):

Stage I	$ 7,675.00
Stage II	9,090.00
Stage III	3,120.00
General	13,200.00
Total - Item 6(b)	$33,085.00

(c) Operating materials and supplies:

1. Core boxes, est. 30' cap., 400 total @ $3	$ 1,200.00
2. EX drill bits, pack sack drill, est. $35 ea., 20 bits	700.00
Total - Item 6(c)	$ 1,900.00

(d) Operating equipment:

1. To be furnished by applicant:
   - i. Sharpe A-2 magnetometer, $1,500 market value.
   - ii. Sharpe A-3 magnetometer, $800 market value.
   - iii. Sharpe SE-100 EM unit, $2,000 market value.
   - iv. Horizontal loop EM unit, R. F. Beers, Inc. mfr., $2,000 market value.
   - v. Wild T-12 theodolite, $200 market value.
   - vi. Chevrolet 1-ton panel truck, est. market value $1,500.
   - vii. "Pack Sack" (EX) drill complete, $1,000 market value

2. To be rented or purchased:
   - i. A-2 Sharpe magnetometer, 6-mo. rental @ $150/mo. or purchase at $2,000.

(e) Initial rehabilitation and repairs: None.

(f) New buildings, fixtures, installations:

Rental of core storage space, 6 months at $25/mo.	$ 150.00

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(g) Miscellaneous:

i.	Office supplies, map reproduction, etc.	$ 250.00
ii.	Telephone and Telegraph	200.00
iii.	Accounting, entire project	1,000.00
iv.	Travel expenses, 528 trips at $0.08/mi. and 25 mi./trip	1,056.00
v.	Federal Unemployment, Maine Unemployment Comp., F.O.A.B., Public Liab. @ $5.93/$100, est.	1,890.00
vi.	Assays, est. 64, @ $10.00 (Ni-Co-Cu)	640.00
	Miscellaneous total - Item 6(g)	$5,036.00

Recapitulation - Entire Project

(a)	Independent Contracts	$50,967.00
(b)	Personal Services	33,085.00
(c)	Operating materials	1,900.00
(d)	Operating equipment	
(e)	Initial repairs	
(f)	Core Storage	150.00
(g)	Miscellaneous	5,036.00
	TOTAL COST:	$91,138.00

Attachment H

ATTACHMENT H

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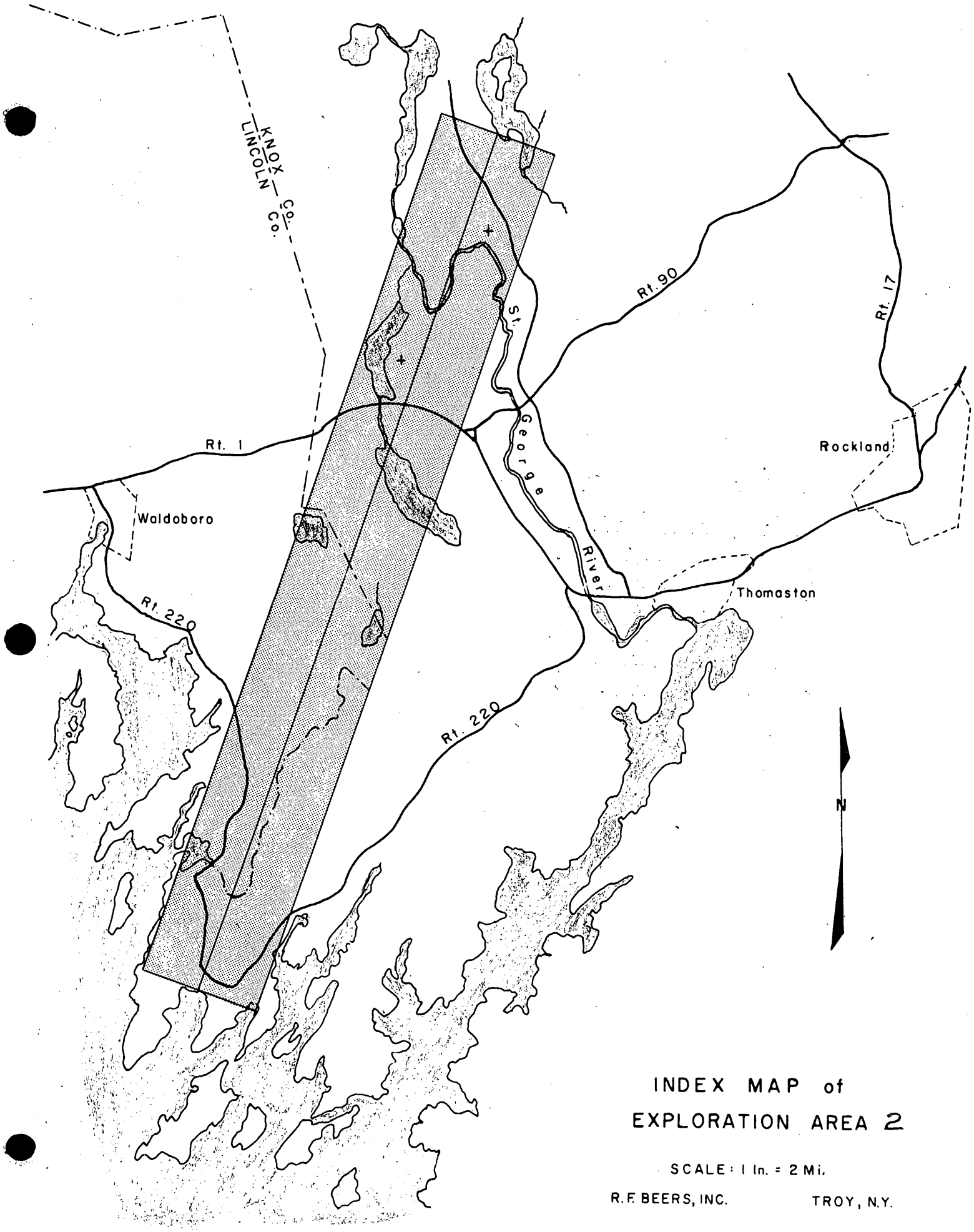
7. (a) Yes.

(b) Money will be provided to pay our share of the costs.



INDEX MAP of
EXPLORATION AREA 2

SCALE: 1 In. = 2 Mi.

R.F. BEERS, INC. TROY, N.Y.

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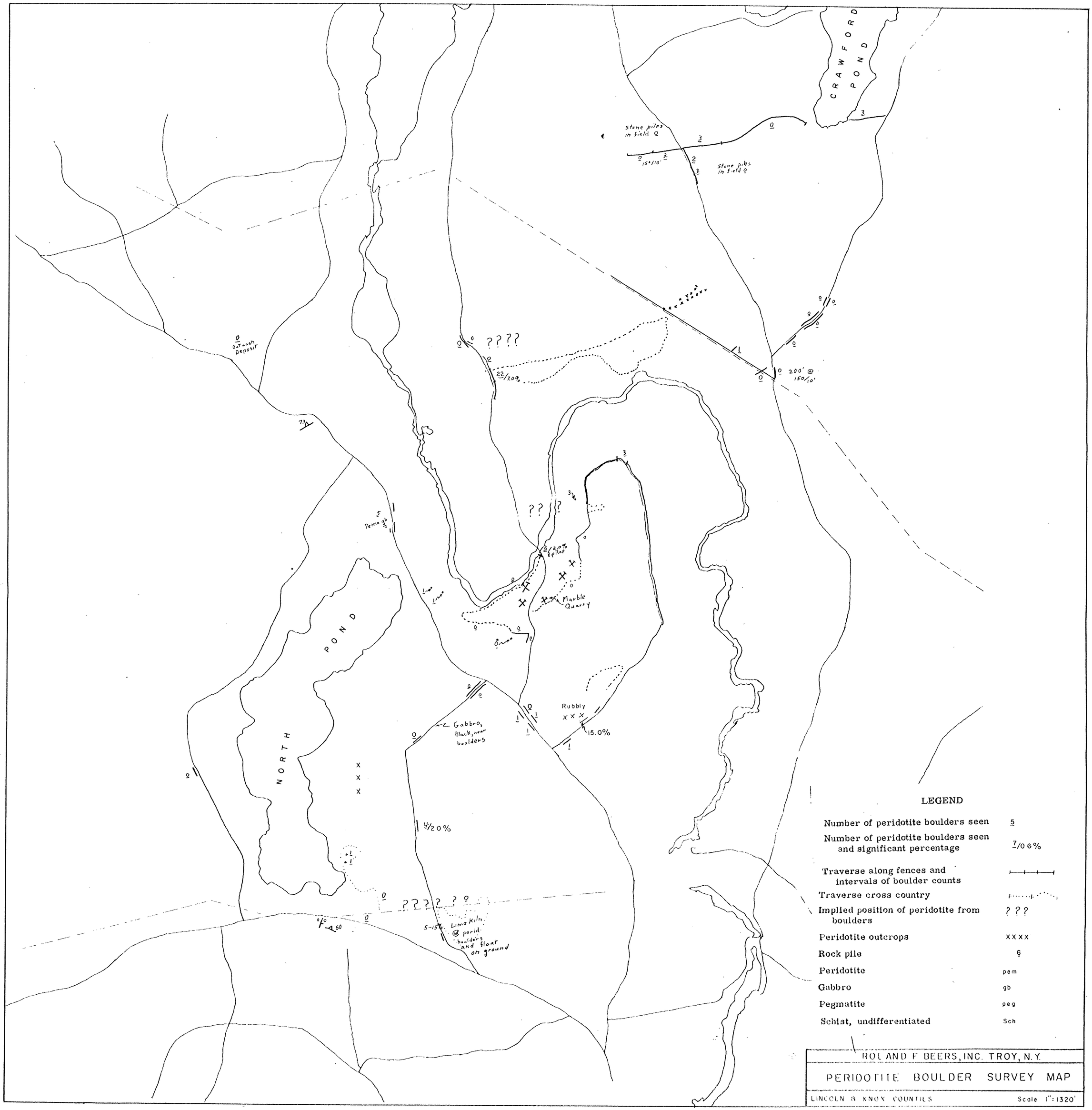
DATE	[illegible]	[illegible]

Form Approved
2 Official File copy
File after Simmons Prospect map, Attachment B.

LEASES


CRAWFORD POND
NORTH POND
Stone piles in field
Stone piles in field
Wash Deposit
Pema gb
Marble Quarry
Rubbly
Gabbro, Black, near boulders
Lime Kiln
LEGEND
Number of peridotite boulders seen
Number of peridotite boulders seen and significant percentage
Traverse along fences and intervals of boulder counts
Traverse cross country
Implied position of peridotite from boulders
Peridotite outcrops
Rock pile
Peridotite
Gabbro
Pegmatite
Schist, undifferentiated
pem
gb
peg
Sch
ROLAND F BEERS, INC. TROY, N.Y.
PERIDOTITE BOULDER SURVEY MAP
LINCOLN & KNOX COUNTIES
Scale 1" = 1320'