DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 2751

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EXPLORATION ASSISTANCE

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Routing Slip

To:	Code 400 Rm. 3538	Date	10-28-52
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400

FEB 10 1953

Mr. Walter A. Erickson, President
Erickson Placers, Inc.
P. O. Box 623
Anchorage, Alaska

Re: Docket No. DMEA 2751 - Tungsten
Erickson Placers, Inc.
Placer claims on Bangor and Butterfield Creeks, Bonita and Ida Creeks, and bench near Rock Creek
Cape Nome Recording Precinct
Nome, Alaska

Dear Mr. Erickson:

This will acknowledge your letter of January 27, 1953, giving the Defense Minerals Exploration Administration permission to transfer the referenced application to the inactive files.

Please be assured that a revised application containing the additional information previously requested will be given prompt consideration when received.

Sincerely yours,

R. O. Mittendorf

Administrator

FARutledge/ls
2/9/53

cc: Docket
Field Team, Reg. I
Code 400
Admn. Read. File
D. M. LEMMON, USGS
R. W. GREENAN, USBM

DEC 17 1952

Mr. Walter A. Erickson, President
Erickson Placers, Inc.
P. O. Box 623
Anchorage, Alaska

Re: Docket No. [illegible] 751 - Tungsten
Erickson Placers, Inc.
Placer Claims on Tangor and
Butterfield Creeks, Hania and
Ida Creeks, and Bench near
Rock Creek
Nome Nome Recording Precinct
Nome, Alaska

Dear Mr. Erickson:

Reference is made to your application for exploration assistance under the subject docket.

In our letter of October 30, 1952, we informed you that additional information would be needed before the application could be referred to the Field Team for review. This information was to consist, in part, of sufficient sample data to substantiate the occurrence of scheelite. Since this information will not be available until the summer working season of 1953, we are suggesting that you request the Defense Minerals Exploration Administration to withdraw your application from the native files.

The withdrawal of the application will be made without prejudice, and the information contained in the subject docket will be available whenever a revised application is submitted. The revised application should contain all of the information requested in our letter of October 30, 1952, and refer to the subject docket.

We wish to thank you for your interest in the Defense Minerals Program and assure you that even though the present application is withdrawn a revised application will be given prompt consideration.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Admn. Pending File
Docket
W. [illegible] Gephen, [illegible]
[illegible] N. Lemmon, [illegible]
Field Team Reg. 7
H. O. Selfridge
F. A. Rutledge

FARutledge:lm
12/15/52

October 30, 1952

Mr. Walter A. Erickson, President
Erickson Placers, Inc.
Washington, D. C.

Re: Docket No. DMEA 2751 - Tungsten
Erickson Placers, Inc.
Placer claims on Bangor and Butterfield Creeks, Bonita and Ina Creeks, and Bench near Rock Creek
Cape Nome Recording Precinct, Nome, Alaska

Dear Mr. Erickson:

Reference is made to your conversations in this office today regarding the subject application for exploration assistance.

After careful review we find that the information submitted with your application is insufficient to justify a field examination. Your plan of operation details the method, but should also schedule the areas in which the work will be done, so that the exploration can be plotted on a map. The same map should show the assay results of samples taken from any new or previously known test pits. The estimate of the grade of ore expected, which was given for the Bonita Creek area only and believed to exceed one-half pound per cubic yard, was not substantiated by assays. The map should also indicate the probable depth of overburden, width of stream valley, width of gravel, depth of gravel, thickness and value of pay streak, and whether the gravel is thawed or frozen.

It is also our opinion that the equipment contemplated for your project is more of the nature of production equipment than can be justified for use in bulk sampling a property which has as yet no measurable evidence of significant mineralization. Some bulk sampling might be warranted as a final check on an area sampled by test pits or churn drill holes, but such work ought to be a later stage rather than the first part of an exploration project.

At your request we are returning one copy of the above application which we understand you require for the files of Mr. Francis B. Speaker, Acting Director, Mining Requirements Division, Defense Materials Procurement Agency.

Sincerely yours,

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

WSMartin:ls
cc: Docket
Admn. Read. File
Field Team, Reg. 1
G. C. Selfridge
D. M. Lemmon, USGS
R. W. Geehan, USBM
Enclosure

IN REPLY REFER TO:

G-MD-CF

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 29 1952

October 29, 1952

488

Memorandum

To: George C. Selfridge

From: T. P. Thayer

Subject: DMEA 2751 - Tungsten Ericson Placers, Inc.
Anchorage, Alaska

The applicants propose to spend $200,000 on large-scale sampling with a portable washer and tractor-mounted shovel-bulldozer, of three groups of claims near Nome, Alaska. The Bonita claims cover 630 acres or 1.5-2 million yards of gravel, and are 17 miles from Nome; the Byron claims, 400,000 yards, are 9.5 miles north of nome, and the Banger Creek claims, 24 million yards, are 15 miles from Nome. The proposed project covers all three groups. The scale of operations makes one wonder whether exploration is the real aim of the proposal.

The only items of grade mentioned are "an average gold content of approximately $1.00 per cubic yard" and half a pound of scheelite per cubic yard. Scheelite is said to present a nuisance in cleaning gold sluices in past operations. Some of the claims, at least, were filed in 1908-1911.

The Geological Survey has no information in Washington on the claims in question, and it is recommended that the docket be referred to the field.

The costs will stand careful analysis, as the major operating equipment to the tune of $76,450 is being charged off in 2 years.

T. P. Thayer

TPThayer:gt

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

408

October 29, 1952

Memorandum

To: George Selfridge

From: R. W. Geehan

Subject: Erickson Placers, Incorporated, Anchorage, Alaska
DMEA 2751

Proposal: Placer exploration at 3 locations near Nome, Alaska; total cost $200,000.

Applicant proposes to bulk sample these areas using a portable washing plant and a clamshell-dragline mounted on a Caterpillar tractor. It seems probable that much of this equipment would later be used to work any area found to contain enough tungsten-gold to justify an operation.

General: There is very little evidence presented to support the applicant's claims that tungsten minerals are present in amounts that would lead to an operating mine. The applicant's claim that the bulk sampling they propose is necessary. This is contrary to well established principals of sampling placer areas by drilling and by test-pitting. Quantitatively, there would be far more tungsten minerals present than gold, and it would seem that standard placer sampling methods would give results on tungsten that would be reliable, unless the tungsten was present as large chunks or "spuds". (If this was the case, they would pass to tailings in the applicant's plant.)

As a final check on an area sampled by test pits or drill holes, some bulk sampling may be desirable.

The costs of the proposed work appear to be out of line with regard to supervision.

The proposal does not state whether the gravel is thawed or frozen. This would be vital, as if frozen, the proposed operation would require thawing equipment or stripping in advance to permit natural thawing.

Recommendation: The applicant should be requested to modify this program so as to secure preliminary information, probably by test-pitting the areas considered to be most favorable. The bulk sampling program could then be considered as a possible second stage.

If the applicants are willing to do this preliminary work, the proposal should be referred to the Field Team.

Robert W. Geehan

RWG:mjb

Copy to: R.W.Geehan
Ferrous M&A
Files

Docket No. DMEA 2751 - Tungsten Oct. 29, 1952

F. A. Rutledge

Review of application for exploration assistance
Docket No. DMEA 2751 - Tungsten
Bonita Creek Group on Bonita & Ida Creeks, Byron Association Claim on bench between Snake River & Rock Creek, and Bangor Creek Group on Bangor & Butterfield Creeks
Nome Mining Precinct
Nome, Alaska

The Erickson Placers, Incorporated, has applied for a $200,000.00 exploration contract to explore three areas north of Nome, Alaska, in which the stream gravels are said to contain scheelite. The applicant has proposed to locate the tungsten-bearing gravel by test pitting with a 1/2-yard dragline mounted on a D-8 tractor. This is to be followed by trenching with the dragline across the pay channels so located. All material excavated from the trenches is to be put through a portable washing plant to ascertain the amount of recoverable scheelite present.

The only recent known production of scheelite from the area was during 1943. At this time a small but unknown quantity of scheelite concentrate was produced at the residue deposit on Sophie Creek, a tributary of Rock Creek. However, placer scheelite was produced from several of the creeks in the Nome area during World War I.

The data submitted by the applicant are very meager. No mention is made of depth of overburden, width of stream valley, width of gravel, depth of gravel, thickness and value of pay, or if the gravel is thawed or frozen. No assays or sample data were submitted with the application. This information must be obtained before the Government can determine if an exploration loan is justified.

The following areas are included in the application and the yardages expected by the applicant are indicated:

1. Bonita Creek Group - 620 acres on Bonita Creek, 17 miles northeast of Nome. A total of 5,000 yards of gravel is said to have been sluiced at this location since 1908. Gold values are estimated at $1.00 per yard but no data is given on the scheelite other than it was troublesome in the recovery of the gold. The amount of scheelite present is "guesstamated" by the applicant at 1/2 pound per yard. Total yardage is estimated as between 1,500,000 and 2,000,000 yards.

According to the U. S. Geological Survey (Dave Hopkins' personal communication), the stream gravel at this location has been worked on Bonita Creek from Osborn Creek to above Ida Creek. The gravel is approximately 5 to 6 feet thick with benches along the margins of the creek. This bench gravel is much thicker than that in the creek bed. All of the creek gravel, that has been worked, and much of the adjacent bench gravel can be expected to be thawed. The U.S.G.S. has no record of scheelite in this area.

2. Byron Association claim - 160 acres. This claim covers a bench deposit at the junction of Snake River and Rock Creek approximately 9.5 miles north of Nome. No estimate of the quantity of scheelite present is given. The applicant estimates there are 400,000 yards of gravel available.

   The United States Smelting, Refining, and Mining Company produced a small amount of scheelite concentrate from three bulldozer cuts on Sophie Gulch in 1942 and 1943. Sophie Gulch is on the left limit of Rock Creek. The scheelite content per cubic yard is not known, but it was considerable.

   The ground covered by the Byron Association claim is not along Rock Creek but covers a bench of Snake River. It is possible, however, that the upper part of the claim above the road may contain an old buried stream channel since there are evidence of pits (in an aerial photograph) that show outside of the probable location of the claim. Gravel in this area is probably under 50 feet thick, and frost can be expected. The lower part of the claim extends out into the Snake River Valley. Gravel in this section can be expected to be 200 to 300 feet thick, but the pay streak can be expected to lie on false bedrock nearer the surface.

3. Bangor Creek Group - 280 acres. This area has been partially exploited for gold in the past. The upper limits of Bangor Creek and Butterfield Creek were mined by hydraulic mining. In 1921, a dredge worked Bangor Creek downstream for one mile starting at the junction of Bangor and Joreza Creeks. The ground dredged averaged 200 feet wide and 15 feet deep.

The amount of gold recovered or scheelite present was not given in the application. It was noted that scheelite occurred in such quantities that it constituted a major nuisance in the gold recovery and cleanup, and was rejected in the tailings. This scheelite will now be found where discarded at each cleanup with much barren and near barren ground between. The location of these concentrations for selective mining is impossible.

The applicant estimates 2,000,000 yards of gravel present but gave no estimate of the amount of scheelite.

This is one of the areas the U. S. Geological Survey investigated in 1943. Coats reported no scheelite on Bangor Creek above Butterfield Canyon and negligible quantities of scheelite on Butterfield Canyon and Bangor Creek below Butterfield Canyon (Lode Scheelite Deposits of the Nome Area, Seward Peninsula, Alaska, by Robert R. Coats). However, scheelite nuggets ranging in size up to 2-pound pieces have been found on this creek.

The only gravel left unworked on Bangor Creek will be the bench gravel. This is mainly of glacial origin but does contain some gold values.

Two of the three areas covered by this application have already been worked for gold. Therefore, any revenue from reworking of these areas will be mainly from the scheelite.

The applicant has leases and Owner's Consent to Lien on all claims listed with the exception of the Bangor Creek Group of unpatented claims. These are said to be the property of the applicant. Since the application does not specifythe applicant corporation, the claims may be held by Mr. Erickson. In this case they should be assigned to the corporation. If, however, the claims are leased to the corporation, Owner's Consent to Lien forms will be required.

It is apparent from the application that what is desired is more a production loan than one for exploration. If the applicant can furnish supporting data that scheelite is present, then a more modest program of drilling and test pitting may be warranted under the DMEA program.

FARutledge'lm
10/29/52

cc: Docket
G. C. Selfridge
F. A. Rutledge

MF-103
(Revised-April 1952)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. Dmea-2751
Metal or Mineral
Date Received 10-28-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Erickson Placers, Incorporated
P. O. Box 623
Anchorage, Alaska

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

See attached papers, Pages 1 - 3 inclusive

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
See attached papers, Page 4

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

(*e*) If you own the land, describe any liens or encumbrances on it
See attached papers, Page 4

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

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

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

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

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

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

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

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

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

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

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

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

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

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

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

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

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

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

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

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

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated October 10, 1952, 195...

ERICKSON PLACERS, INCORPORATED
(Applicant)

By Walter A. Erickson Pres.
Charles E. Abbott, Vice-Pres.

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

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

ERICKSON PLACERS, INC.
P. O. Box 623
Anchorage, Alaska

United States Department of the Interior
Defense Minerals Exploration Administration
Washington, D.C.

Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

1. NAME OF APPLICANT.

a. Erickson Placers, Incorporated
P. O. Box 623, Anchorage, Alaska

b. Incorporated under the laws of the Territory of Alaska

c. Officers of Applicant corporation:

(1) Walter A. Erickson, President
P. O. Box 623, Anchorage, Alaska

(2) Charles E. Abbott, Vice-President
P. O. Box 584, Anchorage, Alaska

(3) Evander C. Smith, III, Secretary-Treasurer
P. O. Box 2063, Anchorage, Alaska

2. APPLICANT'S PROPERTY RIGHTS.

(a) Three groups of placer claims have been secured for this exploration project. They are:

(1) BONITA CREEK GROUP, consisting of:

a. Bonita Association Placer Claim, 160 acres more or less, location recorded in Volume 190, Page 448 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

b. Eleanor Association Placer Claim, 160 acres more or less, location recorded in Volume 190, Page 446 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

c. Elizabeth Association Placer Claim, 160 acres

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

3.(a)(1)c. Continued.

more or less, location recorded in Volume 190, Page 326, of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

d. July No.1 Placer Claim, 20 acres more or less, location recorded in Volume 216, Page 223 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

e. July No.2, August No.1, August No.2 Placer Claims, each of 20 acres more or less, locations recorded in Volume 216, Page 224 or Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

f. Butt End Group Placer Claims, three claims, each of 20 acres more or less, locations recorded in Volume 190, Page 254 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

(2) BYROW ASSOCIATION PLACER CLAIMS

159.096 acres, U. S. Mineral Survey Number 1826, Patent Number 1,016,621, recorded in Volume 213, Page 74, of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

(3) BANGOR CREEK GROUP, consisting of the following placer claims on Bangor Creek and its tributary, Butterfield Creek:

a. Butterfield Scheelite No.1, No.2 and No.3, location recorded in Volume 223, Page 219 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

ERICKSON PLACERS, INC.
P.O. Box 623
Anchorage, Alaska

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

3.(a)(3) Continued.

b. Butterfield Sahealite No.4, location recorded in Volume 228, Page 220 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

c. The Turboist, location recorded in Volume 228, Page 222 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

d. Alberta No.1, location recorded in Volume 228, Page 220 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

e. Alberta No.2, Marjorie No.1 and Marjorie No.2, locations recorded in Volume 228, Page 221 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

f. Radionics No.1, location recorded in Volume 228, Page 222 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

g. Radionics No.2, Radionics No.3, and Radionics No.4, locations recorded in Volume 223, Page 223 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

h. Ranger No.7, location recorded in Volume , Page , of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

(b) None of these properties is named.

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

3. Continued.

(c) The Bonita Creek Group of unpatented placer claims, the patented Byron Association placer claims, and the unpatented Banger No.7 claim on Banger Creek, are held by the applicant under lease, copies of which accompany this application.

The Banger Creek group of unpatented claims, with the exception of Banger No.7 claim mentioned above, are the property of the applicant.

(d) Copies of leases submitted herewith.

(e) There are no liens or encumberances on any of these properties.

(f) Records of location notices included in (a) above.

4. PHYSICAL DESCRIPTION.

(a-e)

(1) Bonita Creek Group.

This group of claims, comprising 630 acres, more or less, lies on Bonita Creek, a tributary of Osborne Creek and the Nome River, approximately 17 miles northeast of Nome. Access may be had by good gravel road from Nome to the Nome River crossing, approximately nine miles, and a fair tractor trail passable to four-wheel-drive vehicles the remainder of the distance.

The claims were located during the years 1908 - 1911 by Mr. Charles D. Jones, present mayor of Nome, and associates. Three small ground-sluicing operations have been conducted on a bench on the Bonita Association Claim, as shown on the accompanying map. A total of approximately 2000 cubic yards of gravel were mined in these operations, with scheelite encountered in the sluice boxes in each operation. Approximately 3000 cubic yards of gravel were mined in other operations from the main stream be of

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

4.(a-e)(1) Continued.

Bonita Creek, also on the Bonita Association Claim. According to Mr. Jones, bedrock was not encountered in this operation, but scheelite was found in the sluice boxes; and sufficient gold recovery was made to justify performing assessment work on the entire group of claims throughout the years since.

Sampling has been done on all the claims, in the performance of assessment work. This has invariably resulted in considerable scheelite showing along with the gold; and indicates an average gold content of approximately $1.00 per cubic yard, according to Mr. Jones. No estimate was made of the scheelite content of the gravels, as this mineral was only considered a nuisance in the past. However, from the meager information available, it is believed it will exceed one-half pound per cubic yard.

An accurate estimate of the total quantity of gravels in these claims, or their average valuable mineral content, is impossible without comprehensive exploration. From data available, there are roughly estimated to be between 1,500,000 and 2,000,000 cubic yards of gravels which can be mined profitably with modern equipment and methods.

Ample water for all exploration and production requirements are available from the waters of Bonita Creek.

Although only seventeen miles from Nome, the fluctuating high waters in the Nome River are such that a camp will be required for exploration of this property. An existing cabin on the July No.2 Claim may be utilized as a cook-house and mess-hall, with tent shelters to be provided as sleeping quarters.

ERICKSON PLACERS, INC.
P. O. Box 623
Anchorage, Alaska

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

4.(a-e) continued.

(2) Byron Association Placer Group.

This patented property lies on a bench on the north limits of Rock Creek, a tributary of the Snake River, approximately 9.6 miles north of Nome. It is bisected by the Snake River Road, a good gravel highway maintained by the Alaska Road Commission, and therefore readily accessible from Nome.

A study of the topography of this claim indicates an ancient channel of Rock Creek to traverse the property its entire length. Rock Creek, incidentally, is fed near its head by Sophia Gulch, from which a large part of the entire Alaskan production of scheelite was mined in 1916 by the Pioneer Mining Company.

No major mining operations have ever been attempted on the property; but sufficient showings of values were recovered in performing assessment work to justify the expense of securing patented title to the ground.

Samples taken recently from surface gravels above the inlet end of a culvert pipe crossing the highway, and from a shallow pit approximately midway between the highway and the northeasterly limits of the claim, resulted in sufficient showings of both scheelite and gold to indicate justification for thorough exploration of this property. Accurate estimates of quantities and values cannot be given without this thorough exploration; but there are roughly estimated to be at least 400,000 cubic yards of gravels which can be profitably mined.

Ample water for exploration and production purposes may be secured from Rock Creek, at the head of the operations.

No camp would be required at this site, as easy access will permit commutation from Nome.

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

4.(a-e) continued.

(3) Bangor Creek Group.

This group of claims, on Bangor Creek and its principal tributary, Butterfield Creek, lies approximately 15 miles north of Nome, on the west side of the Snake River. The Snake River Road, previously referred to, gives ready access to within two miles of the property. A few hours work with tractor and bulldozer will provide an easily traversable road over this latter distance, for hauling of supplies from Nome.

The gravels of these claims have been partially exploited for gold in past operations. Hydraulic mining was performed in the early days on the upper limits of Bangor Creek, and on Butterfield Creek; while in 1921 a dredge worked the gravels of Bangor Creek downstream from its confluence with Butterfield Creek, a distance of one mile, for a width of approximately 200 feet, and an average depth of 15 feet, along the centerline of the main channel.

Virgin gravels remain on both sides of the dredger workings, and samples taken from these indicate considerable scheelite and some gold still to occur. No attempt was made to obtain samples from the dredge tailings, but from the history of its operation it is known that scheelite occurred in such quantities that it constituted a major nuisance in the gold recovery and cleanup operations, and this scheelite was rejected into the tailings.

Some virgin gravels still remain in the upper limits of both Bangor and Butterfield Creeks, while the history of the occurrence of scheelite in the old hydraulic gold placer operations is the same as that of the later dredge operation.

It is estimated there are in excess of 2,000,000 cubic yards of gravels which can be profitably mined.

Running water is available throughout the working season, from the flow of Bangor and Butterfield Creeks.

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

4.(a-e)(3) continued.

Should it be necessary to establish a camp at this site, an existing cabin on the Turbjet claim may be rehabilitated with only minor repairs, for a cook-house and mess-hall. Tent shelters may be erected for sleeping quarters for the crews.

Skilled personnel necessary for all exploration operations are available from among the members of the applicant corporation. Common labor may be secured from the local labor market at Nome.

5. THE EXPLORATION PROJECT.

(a) MINERALS TO BE EXPLORED.
Scheelite and gold are the primary minerals expected to be recovered. The presence of wolframite, cassiterite, bismuth and platinum may be expected, from the history of past operations in the vicinities.

(b) PROPOSED OPERATION.

For the scheelite exploration proposed under this application, it is obvious that conventional placer drill testing is inadequate. It has also been demonstrated that sluice box and riffle methods are not effective in the recovery of this mineral.

The applicant proposes to use a highly mobile placer washing plant, equipped with a grizzly and vibrating screens to remove the oversize gravels; the finer gravels containing valuable minerals then flow across a battery of four 42" Pan-American Placer Jigs, while the coarse oversize gravels are carried directly to the tailings by conveyor belt. Fine tailings, after recovery of a rough concentrate of the valuable minerals through the jigs, are carried to the tailings by a sluice. The entire washing plant assembly, for high mobility across the soft tundra, is mounted on a set of four Athey Wagon track-laying wheels.

5.(b) continued.

It is proposed to feed this exploration plant by means of a one-half yard dragline or clamshell bucket mounted on a D8 Caterpillar Tractor equipped with Koster dragline boom. This tractor is also equipped with a bulldozer to perform any stripping and levelling operations necessary for the exploration work, and will provide the motive power for the washing plant.

A separate Diesel-Electric D-8800 Caterpillar generator will provide electric power for the unit drive operation of the vibrating screen, jig and conveyor belt motors.

The rough concentrates from the washing plant will receive final treatment and separation at a shore plant, consisting of one 88-inch Pan-American Placer Jig unit of two cells in series.

For evaluation work, it is proposed to excavate a series of test pits across the stream channels with the clamshell bucket for the purpose of quickly determining the presence or absence of valuable minerals and roughly outlining the "pay-streak". After determining the latter, a trench will be excavated to bedrock, across the streak, the gravels being processed through the plant for recovery and determination of values.

This trench will be profiled and cross-sectioned before and after excavation. The before and after profiles will provide an accurate cross-section of the pay channel; trench cross-sections will furnish a quantitative and qualitative analysis of recovered values. A series of trenches at intervals along the pay channel will then permit accurate overall determination of quantities and average recoverable values.

It is recognised that this method of evaluation could be subject to considerably amount of error; but by careful time-lag studies of the interval between the introduction of the raw gravels into the hopper and the

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

5.(b) continued.

recovery of concentrates from the jigs; by careful cross-sectioning of various sampling at the trench; by the provision of separate sampling compartments in the concentrate bins, and the careful analysis of values from these samples, it is believed these errors can be reduced to a minimum and that a practical and relatively accurate evaluation can be made of overburden and pay-streak. It is assured that whatever errors might creep in, would result in conservative rather than inflated evaluation.

(c) The operation will begin as soon as ground conditions permit in the spring of 1953 and will be completed within the following two working seasons, not later than 24 months from the date of the exploration contract.

(d) OPERATING EXPERIENCE AND BACKGROUND OF APPLICANT.

Operation of the ab ro plant will be under the direct supervision of Mr. Walter A. Erickson, President of the applicant corporation, whose years of practical placer mining experience have resulted in the conception of the outlined exploration plant, also the patented Erickson Placer Washing Plant which will be used later in production mining.

Mr. Erickson has been actively engaged in placer mining activities from boyhood, as his father John T. Erickson, was well known in the early mining history of Colorado, and was one of the leaders of the Nome gold rush of 1898.

Included in Mr. Erickson's mining experience are two years as superintendent of the Jet-Ross Placer Washing Plant operations at Atlantic City, Wyoming; one year as superintendent of dredging operations for the Keith Scott Placers at Beowave, Nevada; two years as superintendent of dredging operations for the New Mexico Gold Producers at Eagle Nest, New Mexico; one year as superintendent of the Valhagen Brothers Ute Creek Placer Washing Plant operation at Ute Park, New Mexico; one year in charge of

ERICKSON PLACERS, INC.
P. O. Box 625
Anchorage, Alaska

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

5.(d) continued.

placer evaluation work for Minden Placers at Minden, Nevada; one year as assistant engineer to Mr. William O. Vanderberg, Nevada State Mining Engineer, in charge of tungsten exploration and evaluation work by diamond drilling; one year in charge of placer scheelite testing for the Keenan Properties at Tinton, South Dakota. It was on this latter operation that Mr. Erickson became acquainted with the efficiency of the Pan-American Placer Jigs in scheelite recovery, and adapted this equipment as the recovery unit of his placer washing plant.

Mr. Erickson has spent the past several years in charge of heavy construction work in Alaska, including construction of the Summit and Kenai airports for the Civil Aeronautics Administration; installation of the Eklutna CAA Range Station; construction of a concrete dam at Eklutna for the Anchorage Light and Power Company; and several years as plant superintendent for the Anchorage Sand and Gravel Company.

Exploration plant operation and engineering work will be under the direct supervision of Mr. Charles E. Abbott, Vice-President of the applicant corporation, who has had more than thirty years experience in engineering and heavy construction work. Education in Civil Engineering was gained at Oregon State College, and Mr. Abbott's experience includes the following: Three years as Topographical Engineer, Los Angeles County Surveyor, Los Angeles, California; fifteen years as Chief of Survey Party, Resident Engineer and Construction Superintendent for the State of California, Division of Highways; three years as Materials and Testing Engineer for the 11th Naval District, at El Toro Marine Corps Air Station, Santa Ana, California, and neighboring naval installations; one year as paving superintendent for J. E. Haddock, Ltd., at Ventura, California; one year as Staff Engineer, Morrison-Knudsen Co., Western Division, Los Angeles, California; two years as Chief, Operations Division, Anchorage District, Alaska Road Commission; and one year as City Manager, McNary, Arizona, for Southeast Lumber Mills, Inc.

ERICKSON PLACERS, INC.
P. O. Box 625
Anchorage, Alaska

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

6. ESTIMATE OF COSTS.

(a) Independent Contracts

No independent contracts will be made.

(b) Labor and Supervision:

Dragline Operators	2	300 days	@	$ 40.00	$ 12,000.00
Oiler-Mechanic	2	300 days	@	36.00	10,800.00
Plant Operators	2	300 days	@	40.00	12,000.00
Laborers	5	750 days	@	30.00	22,500.00
Supervisors	2	12 mos.	@	800.00	9,600.00
			Total		$ 66,900.00

(c) Operating Materials and Supplies

Diesel Fuel	30,000 gal.	@	$ 0.25	$ 7,500.00
Grease	1,500 lbs.	@	0.50	750.00
Gasoline	15,000 gal.	@	0.35	5,250.00
Cable, 5/8 In.	2,500 lf.	@	0.30	750.00
Fuel oil, heating	3,000 gal.	@	0.25	750.00
Tents, 16' x 16'	3 ea.	@	150.00	450.00
Lumber, floor, wall	3,000 fbm.	@	100.00	300.00
Range, oil, kitchen	1 ea.	@	200.00	200.00
Kitchen, mess eqpt.				400.00
Tools, misc., small				300.00
Pipe, 6", slip joint	1,000 lf.	@	4.50	4,500.00
		Total		$ 21,150.00

(d) Operating Equipment

Athey wheels	$ 8,750.00
Vibrating screens, w/motor	3,500.00
Conveyor belt, w/motor	1,300.00
Pan American (DorrCo) Placer Jigs	4,400.00
Pump, Centrifugal, 4", w/motor	1,200.00
Fabrication and assembly	10,000.00
D-9800 Diesel Electric Power Unit	9,000.00
D-8 Tractor w/Hyster dragline and bulldozer	36,000.00
Shore Plant	2,100.00
Dodge Power Wagon	3,200.00
Total	$ 76,450.00

ERICKSON PLACERS, INC.
P. O. Box 623
Anchorage, Alaska

Basis: Application for aid in an Exploration project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

6. continued.

(e) Rehabilitation and Repair

No rehabilitation or repair is necessary to any equipment or installation.

(f) New buildings, improvements, installations

No new building, improvement, or installation is necessary.

(g) Miscellaneous

(1)	Maintenance of operating equipment (estimated at 10% new cost)		$ 7,645.00
(2)	Accountant-Timekeeper, 1 man, 6 mo.		3,000.00
(3)	Analytical work, covered in 6.(b) in supervisory costs.		
(4)	Workmen's Compensation	2.7 %	1,806.30
(5)	Unemployment Insurance	1.5 %	1,003.50
(6)	Employe Liability Ins.		
	Dragline Operator	3.5 %	420.00
	Oiler-Mechanic	2.66 %	387.88
	Plant Operators	3.5 %	420.00
	Laborers	3.5 %	787.50
	Timekeeper	.11 %	3.30
	Supervisors	3.5 %	336.00
(7)	Freight, 40 tons @	$27.70	1,108.00
	Lighterage, 40 tons @	20.00	800.00
	Total		$ 17,616.88

ERICKSON PLACERS, INC.
P. O. Box 628
Anchorage, Alaska

Basis: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

6. continued.

(h) Contingencies

Approximately 10 %	$	17,883.12

(i) SUMMARY.

(1) Labor and Supervision	$	86,900.00
(2) Operating Materials and Supplies		21,150.00
(3) Operating Equipment		76,450.00
(4) Miscellaneous		17,616.68
(5) Contingencies		17,883.12
TOTAL COST OF PROJECT	$	200,000.00

7. APPLICANT'S FINANCIAL PREPAREDNESS.

(a) Applicant is prepared to furnish its share of the cost of the proposed project.

(b) This will be furnished in the form of money. Applicant corporation, organized under the laws of the Territory of Alaska, has been authorized to dispose of 8000 shares of its capital stock, by subscription, at $100.00 per share. At the present time, 575 shares have been subscribed; and subscription is being continued until a reserve fund of at least $25,000.00 above the $50,000.00 share of applicant's participation in this exploration project, has been raised to cover corporate overhead and indirect costs not subject to government participation.

Summary of DMEA 2751 File

John H. DeYoung, Jr.
19 Aug 77

Location: Nome quad, Alaska; 3 groups of claims located 12 to 21 km north of Nome (See attached map.)

Commodity: W (scheelite) and Au - placer.

Property name(s): Erickson placers - 3 groups of claims totaling 4.5± km^2 (1119± acres): Bonita Creek group - 19 km NE of Nome, 10 claims, 2.5± km^2 (620± acres); Byron Association placers - 12 km N of Nome, 1 claim, 0.6 km^2 (159 acres); and Bangor Creek group - 21 km N of Nome, 17 claims, 1.4± km^2 (340± acres).

Operator: Erickson Placers, Inc. (Walter A. Erickson, president) leased claims from Charles D. Jones (12 Aug 52), Fred J. Rohn (7 Oct 52), Mel Jolliffe (26 Jun 52).

Geology: See pages 4-7 of application attached.
Memo by T.P. Thayer (29 Oct 52) attached.
Memo by R.W. Geehan (29 Oct 52) attached.
Memo by F.A. Rutledge (29 Oct 52) attached.

History: First application to DMEA on 10 Oct 52. Request was for $200,000 for exploration of three placer deposits. Request was transferred to inactive file on 10 Feb 53 due to insufficient information. Previous work on the claims included: 1) Bonita - located in 1908-11 with some gold production and continuing assessment work since; 2) Byron - scheelite production from tributary (Sophie Gulch) in 1916 and 1942-3; and 3) Bangor - hydralic and dredge mining for gold in 1921.

Resource information: Bonita - 1.1 to 1.5 million m^3 (1.5 to 2 million yd^3) of gravel at 1.2 to 2.0 g/m^3 Au and 240 $g/m^3 WO_3$ ($1 per yd^3 and 0.5 lb $CaWO_4/yd^3$). Meager sampling. Byron - 306,000 m^3 (400,000 yd^3) of gravel at undetermined grades of Au and WO_3. Bangor - over 1.5 million m^3 (over 2 million yd^3) of gravel at undetermined grades of Au and WO_3.

References: Coats, R.R., Lode Scheelite Deposits of the Nome Area.

FILE COPY
SURNAME:

Rutledge
Martin

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

FEB 10 1953 BW.

Mr. Walter A. Erickson, President
Erickson Placers, Inc.
P. O. Box 623
Anchorage, Alaska

Re: Docket No. DMEA 2751 - Tungsten
Erickson Placers, Inc.
Placer claims on Bangor and Butterfield Creeks, Bonita and Ida Creeks, and bench near Rock Creek
Cape Nome Recording Precinct
Nome, Alaska

Dear Mr. Erickson:

This will acknowledge your letter of January 27, 1953, giving the Defense Minerals Exploration Administration permission to transfer the referenced application to the inactive files.

Please be assured that a revised application containing the additional information previously requested will be given prompt consideration when received.

Sincerely yours,

C. O. Mittendorf (for J.H. 2-10-53)

Administrator

FARutledge/ls
2/9/53

cc: Docket
Field Team, Reg. I
Code 400
Admn. Read. File
D. M. LEMMON, USGS
R. W. GEEHAN, USBM

ERICKSON PLACERS, INC.

Anchorage, Alaska Address:

P. O. Box 623

Seattle, Washington Address:

11154 Rainier Avenue

January 27, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 6 1953

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
U. S. Department of the Interior
Washington 25, D. C.

RE: Docket No. DMEA 2751 - Tungsten
Erickson Placers, Inc.

Dear Mr. Mittendorf:

It is a little difficult for me to understand just what is meant by your letter of December 17 with reference to withdrawing the above application. If I knew the exact reason it might ease my mind a bit as to whether or not I am placing myself in jeopardy.

However, I will agree to the withdrawal of the application with the understanding that all the information contained in this Docket will be made readily available when a new or revised application is submitted, as pointed out in the third paragraph of your letter.

Unfortunately, I do not understand some of the terminologies and/or actions of Government agencies, not being familiar with their procedures. However, I do wish to express my desire to cooperate whenever possible. Therefore, you have my permission to withdraw the application with the provisos as stated above.

Yours very truly,

Walter A. Erickson

WALTER A. ERICKSON,
President

FILE COPY 400
SURNAME:

Rutledge
Selfridge
H. Johnson

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

DEC 17 1952

Mr. Walter A. Erickson, President
Erickson Placers, Inc.
P.O. Box 623
Anchorage, Alaska

Re: Docket No. DMEA 2751 - Tungsten
Erickson Placers, Inc.
Placer Claims on Ranger and
Butterfield Creeks, Benia and
Ida Creeks, and Beach near
Rock Creek
Cape Nome Recording Precinct
Nome, Alaska

Dear Mr. Erickson:

Reference is made to your application for exploration assistance under the subject docket.

In our letter of October 30, 1952, we informed you that additional information would be needed before the application could be referred to the Field Team for review. This information was to consist, in part, of sufficient sample data to substantiate the occurrence of scheelite. Since this information will not be available until the summer working season of 1953, we are suggesting that you request the Defense Minerals Exploration Administration to withdraw your application from the active files.

The withdrawal of the application will be made without prejudice, and the information contained in the subject docket will be available whenever a revised application is submitted. The revised application should contain all of the information requested in our letter of October 30, 1952, and refer to the subject docket.

We wish to thank you for your interest in the Defense Minerals Program and assure you that even though the present application is withdrawn a revised application will be given prompt consideration.

Sincerely yours,

C. O. Mittendorf (for) F.A.R. 12-17-52

Administrator

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. I
G. C. Selfridge
F. A. Rutledge

FARutledge:lm
12/15/52

FILE COPY
SURNAME:

Martin

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

October 30, 1952

Mr. Walter A. Erickson, President
Erickson Placers, Inc.
Washington, D. C. (By hand)

Re: Docket No. DMEA 2751 - Tungsten
Erickson Placers, Inc.
Placer claims on Bangor and Butterfield Creeks, Bonita and Ida Creeks, and Bench near Rock Creek
Cape Nome Recording Precinct, Nome, Alaska

Dear Mr. Erickson:

Reference is made to your conversations in this office today regarding the subject application for exploration assistance.

After careful review we find that the information submitted with your application is insufficient to justify a field examination. Your plan of operation details the method, but should also schedule the areas in which the work will be done, so that the exploration can be plotted on a map. The same map should show the assay results of samples taken from any new or previously known test pits. The estimate of the grade of ore expected, which was given for the Bonita Creek area only and believed to exceed one-half pound per cubic yard, was not substantiated by assays. The map should also indicate the probable depth of overburden, width of stream valley, width of gravel, depth of gravel, thickness and value of pay streak, and whether the gravel is thawed or frozen.

It is also our opinion that the equipment contemplated for your project is more of the nature of production equipment than can be justified for use in bulk sampling a property which has as yet no measurable evidence of significant mineralization. Some bulk sampling might be warranted as a final check on an area sampled by test pits or churn drill holes, but such work ought to be a later stage rather than the first part of an exploration project.

At your request we are returning one copy of the above application which we understand you require for the files of Mr. Francis B. Speaker, Acting Director, Mining Requirements Division, Defense Materials Procurement Agency.

WSMartin:ls
cc: Docket
Admn. Read. File
Field Team, Reg. 1
G. C. Selfridge
D. M. Lemmon, USGS
R. W. Geehan, USBM
Enclosure

Sincerely yours,
George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Docket No. DMEA 2751 - Tungsten DATE: Oct. 29, 1952

FROM : F. A. Rutledge

SUBJECT: Review of application for exploration assistance
Docket No. DMEA 2751 - Tungsten
Bonita Creek Group on Bonita & Ida Creeks, Byron Association Claim on bench between Snake River & Rock Creek, and Bangor Creek Group on Bangor & Butterfield Creeks
Nome Mining Precinct
Nome, Alaska

The Erickson Placers, Incorporated, has applied for a $200,000.00 exploration contract to explore three areas north of Nome, Alaska, in which the stream gravels are said to contain scheelite. The applicant has proposed to locate the tungsten-bearing gravel by test pitting with a 1/2-yard dragline mounted on a D-8 tractor. This is to be followed by trenching with the dragline across the pay channels so located. All material excavated from the trenches is to be put through a portable washing plant to ascertain the amount of recoverable scheelite present.

The only recent known production of scheelite from the area was during 1943. At this time a small but unknown quantity of scheelite concentrate was produced at the residue deposit on Sophie Creek, a tributary of Rock Creek. However, placer scheelite was produced from several of the creeks in the Nome area during World War I.

The data submitted by the applicant are very meager. No mention is made of depth of overburden, width of stream valley, width of gravel, depth of gravel, thickness and value of pay, or if the gravel is thawed or frozen. No assays or sample data were submitted with the application. This information must be obtained before the Government can determine if an exploration loan is justified.

The following areas are included in the application and the yardages expected by the applicant are indicated:

1. Bonita Creek Group - 620 acres on Bonita Creek, 17 miles northeast of Nome. A total of 5,000 yards of gravel is said to have been sluiced at this location since 1908. Gold values are estimated at $1.00 per yard but no data is given on the scheelite other than it was troublesome in the recovery of the gold. The amount of scheelite present is "guesstamated" by the applicant at 1/2 pound per yard. Total yardage is estimated as between 1,500,000 and 2,000,000 yards.

According to the U. S. Geological Survey (Dave Hopkins' personal communication), the stream gravel at this location has been worked on Bonita Creek from Osborn Creek to above Ida Creek. The gravel is approximately 5 to 6 feet thick with benches along the margins of the creek. This bench gravel is much thicker than that in the creek bed. All of the creek gravel, that has been worked, and much of the adjacent bench gravel can be expected to be thawed. The U.S.G.S. has no record of scheelite in this area.

2. Byron Association claim - 160 acres. This claim covers a bench deposit at the junction of Snake River and Rock Creek approximately 9.5 miles north of Nome. No estimate of the quantity of scheelite present is given. The applicant estimates there are 400,000 yards of gravel available.

   The United States Smelting, Refining, and Mining Company produced a small amount of scheelite concentrate from three bulldozer cuts on Sophie Gulch in 1942 and 1943. Sophie Gulch is on the left limit of Rock Creek. The scheelite content per cubic yard is not known, but it was considerable.

   The ground covered by the Byron Association claim is not along Rock Creek but covers a bench of Snake River. It is possible, however, that the upper part of the claim above the road may contain an old buried stream channel since there are evidence of pits (in an aerial photograph) that show outside of the probable location of the claim. Gravel in this area is probably under 50 feet thick, and frost can be expected. The lower part of the claim extends out into the Snake River Valley. Gravel in this section can be expected to be 200 to 300 feet thick, but the pay streak can be expected to lie on false bedrock nearer the surface.

3. Bangor Creek Group - 280 acres. This area has been partially exploited for gold in the past. The upper limits of Bangor Creek and Butterfield Creek were mined by hydraulic mining. In 1921, a dredge worked Bangor Creek downstream for one mile starting at the junction of Bangor and Jorosa Creeks. The ground dredged averaged 200 feet wide and 15 feet deep.

The amount of gold recovered or scheelite present was not given in the application. It was noted that scheelite occurred in such quantities that it constituted a major nuisance in the gold recovery and cleanup, and was rejected in the tailings. This scheelite will now be found where discarded at each cleanup with much barren and near barren ground between. The location of these concentrations for selective mining is impossible.

The applicant estimates 2,000,000 yards of gravel present but gave no estimate of the amount of scheelite.

This is one of the areas the U. S. Geological Survey investigated in 1943. Coats reported no scheelite on Bangor Creek above Butterfield Canyon and negligible quantities of scheelite on Butterfield Canyon and Bangor Creek below Butterfield Canyon (Lode Scheelite Deposits of the Nome Area, Seward Peninsula, Alaska, by Robert R. Coats). However, scheelite nuggets ranging in size up to 2-pound pieces have been found on this creek.

The only gravel left unworked on Bangor Creek will be the bench gravel. This is mainly of glacial origin but does contain some gold values.

Two of the three areas covered by this application have already been worked for gold. Therefore, any revenue from reworking of these areas will be mainly from the scheelite.

The applicant has leases and Owner's Consent to Lien on all claims listed with the exception of the Bangor Creek Group of unpatented claims. These are said to be the property of the applicant. Since the application does not specify the applicant corporation, the claims may be held by Mr. Erickson. In this case they should be assigned to the corporation. If, however, the claims are leased to the corporation, Owner's Consent to Lien forms will be required.

It is apparent from the application that what is desired is more a production loan than one for exploration. If the applicant can furnish supporting data that scheelite is present, then a more modest program of drilling and test pitting may be warranted under the DMEA program.

J. A. Rutledge

FILE COPY 400
SURNAME:

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

Docket No. DMEA 2751 - Tungsten Oct. 29, 1952

Rutledge

F. A. Rutledge

Review of application for exploration assistance
Docket No. DMEA 2751 - Tungsten
Bonita Creek Group on Bonita & Ida Creeks, Byron Association Claim on bench between Snake River & Rock Creek, and Bangor Creek Group on Bangor & Butterfield Creeks
Nome Mining Precinct
Nome, Alaska

The Erickson Placers, Incorporated, has applied for a $200,000.00 exploration contract to explore three areas north of Nome, Alaska, in which the stream gravels are said to contain scheelite. The applicant has proposed to locate the tungsten-bearing gravel by test pitting with a 1/2-yard dragline mounted on a D-8 tractor. This is to be followed by trenching with the dragline across the pay channels so located. All material excavated from the trenches is to be put through a portable washing plant to ascertain the amount of recoverable scheelite present.

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The data submitted by the applicant are very meager. No mention is made of depth of overburden, width of stream valley, width of gravel, depth of gravel, thickness and value of pay, or if the gravel is thawed or frozen. No assays or sample data were submitted with the application. This information must be obtained before the Government can determine if an exploration loan is justified.

The following areas are included in the application and the yardages expected by the applicant are indicated:

1. Bonita Creek Group - 620 acres on Bonita Creek, 17 miles northeast of Nome. A total of 5,000 yards of gravel is said to have been sluiced at this location since 1908. Gold values are estimated at $1.00 per yard but no data is given on the scheelite other than it was troublesome in the recovery of the gold. The amount of scheelite present is "guesstimated" by the applicant at 1/2 pound per yard. Total yardage is estimated as between 1,500,000 and 2,000,000 yards.

According to the U. S. Geological Survey (Dave Hopkins' personal communication), the stream gravel at this location has been worked on Bonita Creek from Osborn Creek to above Ida Creek. The gravel is approximately 5 to 6 feet thick with benches along the margins of the creek. This bench gravel is much thicker than that in the creek bed. All of the creek gravel, that has been worked, and much of the adjacent bench gravel can be expected to be thawed. The U.S.G.S. has no record of scheelite in this area.

2. Byron Association claim - 160 acres. This claim covers a bench deposit at the junction of Snake River and Rock Creek approximately 9.5 miles north of Nome. No estimate of the quantity of scheelite present is given. The applicant estimates there are 400,000 yards of gravel available.

   The United States Smelting, Refining, and Mining Company produced a small amount of scheelite concentrate from three bulldozer cuts on Sophie Gulch in 1942 and 1943. Sophie Gulch is on the left limit of Rock Creek. The scheelite content per cubic yard is not known, but it was considerable.

   The ground covered by the Byron Association claim is not along Rock Creek but covers a bench of Snake River. It is possible, however, that the upper part of the claim above the road may contain an old buried stream channel since there are evidence of pits (in an aerial photograph) that show outside of the probable location of the claim. Gravel in this area is probably under 50 feet thick, and frost can be expected. The lower part of the claim extends out into the Snake River Valley. Gravel in this section can be expected to be 200 to 300 feet thick, but the pay streak can be expected to lie on false bedrock nearer the surface.

3. Bangor Creek Group - 280 acres. This area has been partially exploited for gold in the past. The upper limits of Bangor Creek and Butterfield Creek were mined by hydraulic mining. In 1921, a dredge worked Bangor Creek downstream for one mile starting at the junction of Bangor and Jorosa Creeks. The ground dredged averaged 200 feet wide and 15 feet deep.

The amount of gold recovered or scheelite present was not given in the application. It was noted that scheelite occurred in such quantities that it constituted a major nuisance in the gold recovery and cleanup, and was rejected in the tailings. This scheelite will now be found where discarded at each cleanup with much barren and near barren ground between. The location of these concentrations for selective mining is impossible.

The applicant estimates 2,000,000 yards of gravel present but gave no estimate of the amount of scheelite.

This is one of the areas the U. S. Geological Survey investigated in 1943. Coats reported no scheelite on Bangor Creek above Butterfield Canyon and negligible quantities of scheelite on Butterfield Canyon and Bangor Creek below Butterfield Canyon (Lode Scheelite Deposits of the Nome Area, Seward Peninsula, Alaska, by Robert R. Coats). However, scheelite nuggets ranging in size up to 2-pound pieces have been found on this creek.

The only gravel left unworked on Bangor Creek will be the bench gravel. This is mainly of glacial origin but does contain some gold values.

Two of the three areas covered by this application have already been worked for gold. Therefore, any revenue from reworking of these areas will be mainly from the scheelite.

The applicant has leases and Owner's Consent to Lien on all claims listed with the exception of the Bangor Creek Group of unpatented claims. These are said to be the property of the applicant. Since the application does not specifythe applicant corporation, the claims may be held by Mr. Erickson. In this case they should be assigned to the corporation. If, however, the claims are leased to the corporation, Owner's Consent to Lien forms will be required.

It is apparent from the application that what is desired is more a production loan than one for exploration. If the applicant can furnish supporting data that scheelite is present, then a more modest program of drilling and test pitting may be warranted under the DMEA program.

FARutledge'lm
10/29/52

cc: Docket
G. C. Selfridge
F. A. Rutledge

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

October 29, 1952

Memorandum

To: George Selfridge

From: R. W. Geehan

Subject: Erickson Placers, Incorporated, Anchorage, Alaska
DMEA 2751

Proposal: Placer exploration at 3 locations near Nome, Alaska; total cost $200,000.

Applicant proposes to bulk sample these areas using a portable washing plant and a clamshell-dragline mounted on a Caterpillar tractor. It seems probable that much of this equipment would later be used to work any area found to contain enough tungsten-gold to justify an operation.

General: There is very little evidence presented to support the applicant's claims that tungsten minerals are present in amounts that would lead to an operating mine. The applicant's claim that the bulk sampling they propose is necessary. This is contrary to well established principals of sampling placer areas by drilling and by test-pitting. Quantitatively, there would be far more tungsten minerals present than gold, and it would seem that standard placer sampling methods would give results on tungsten that would be reliable, unless the tungsten was present as large chunks or "spuds". (If this was the case, they would pass to tailings in the applicant's plant.)

As a final check on an area sampled by test pits or drill holes, some bulk sampling may be desirable.

The costs of the proposed work appear to be out of line with regard to supervision.

The proposal does not state whether the gravel is thawed or frozen. This would be vital, as if frozen, the proposed operation would require thawing equipment or stripping in advance to permit natural thawing.

Recommendation: The applicant should be requested to modify this program so as to secure preliminary information, probably by test-pitting the areas considered to be most favorable. The bulk sampling program could then be considered as a possible second stage.

If the applicants are willing to do this preliminary work, the proposal should be referred to the Field Team.

Robert W. Geehan

Robert W. Geehan

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

October 29, 1952

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If the applicants are willing to do this preliminary work, the proposal should be referred to the Field Team.

Robert W. Geehan

RWG:mjb

Copy to: R. W. Geehan
Ferrous M&A
Files

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

October 29, 1952

Memorandum

To: George Selfridge

From: W. W. Geehan

Subject: Erickson Placers, Incorporated, Anchorage, Alaska
DMMA 2751

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Robert W. Geehan

RWG:mjh

Copy to: R. W. Geehan
Ferrous M&A
Files

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

IN REPLY REFER TO:
G-MD-CF

U.S. DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 29 1952

October 29, 1952

Memorandum

To: George C. Selfridge

From: T. P. Thayer

Subject: DMEA 2751 - Tungsten Ericson Placers, Inc.
Anchorage, Alaska

The applicants propose to spend $200,000 on large-scale sampling with a portable washer and tractor-mounted shovel-bulldozer, of three groups of claims near Nome, Alaska. The Bonita claims cover 630 acres or 1.5-2 million yards of gravel, and are 17 miles from Nome; the Byron claims, 400,000 yards, are 9.5 miles north of nome, and the Bangor Creek claims, 2+ million yards, are 15 miles from Nome. The proposed project covers all three groups. The scale of operations makes one wonder whether exploration is the real aim of the proposal.

The only items of grade mentioned are "an average gold content of approximately $1.00 per cubic yard" and half a pound of scheelite per cubic yard. Scheelite is said to present a nuisance in cleaning gold sluices in past operations. Some of the claims, at least, were filed in 1908-1911.

The Geological Survey has no information in Washington on the claims in question, and it is recommended that the docket be referred to the field.

The costs will stand careful analysis, as the major operating equipment to the tune of $76,450 is being charged off in 2 years.

T P Thayer
T. P. Thayer

Copy retained 400

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

IN REPLY REFER TO:

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T. P. Thayer

TPThayer:gt

IN REPLY REFER TO:

G-MD-CF

UNITED STATES
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GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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October 29, 1952

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Anchorage, Alaska

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T. P. Thayer

TPThayer:gt

October 28, 1952

Mr. Walter A. Erickson, President
Erickson Placers, Incorporated
P. O. Box 623
Anchorage, Alaska

Subject: DMEA-2751
Re: Exploration Assistance
Bonita Creek Group, Byron Association
Placer Claims, Bangor Creek Group

My dear Mr. Erickson:

The receipt of your application dated October 10, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2751 and referred to the Iron & Ferro-Alloys Division.

Kindly refer to DMEA-2751 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS

Robert E. Adams, Chief
Operation's Control and
Statistics Division

25451

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. Dmea - 2751
Metal or Mineral
Date Received 10-28-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address:

Erickson Placers, Incorporated
P. O. Box 623
Anchorage, Alaska

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

See attached papers, Pages 1 - 3 inclusive

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise

See attached papers, Page 4

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

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

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

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

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

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

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

5. *The exploration project.*—State the mineral or minerals for which you wish to explore - Tungsten

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

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

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

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

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

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

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

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

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

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

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

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

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

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

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated October 10, 1952, 195...

ERICKSON PLACERS, INCORPORATED
(Applicant)

By Walter A. Erickson, Pres.

Charles E. Abbott, Vice-Pres.

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

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

ERICKSON PLACERS, INC.
P. O. Box 623
Anchorage, Alaska

United States Department of the Interior
Defense Minerals Exploration Administration
Washington, D.C.

Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

1. NAME OF APPLICANT.

a. Erickson Placers, Incorporated
P. O. Box 623, Anchorage, Alaska

b. Incorporated under the laws of the Territory of Alaska

c. Officers of Applicant corporation:

(1) Walter A. Erickson, President
P. O. Box 623, Anchorage, Alaska

(2) Charles E. Abbott, Vice-President
P. O. Box 534, Anchorage, Alaska

(3) Evander C. Smith, III, Secretary-Treasurer
P. O. Box 2068, Anchorage, Alaska

3. APPLICANT'S PROPERTY RIGHTS.

(a) Three groups of placer claims have been secured for this exploration project. They are:

(1) BONITA CREEK GROUP, consisting of:

a. Bonita Association Placer Claims, 160 acres more or less, location recorded in Volume 190, Page 448 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

b. Eleanor Association Placer Claims, 160 acres more or less, location recorded in Volume 190, Page 446 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

c. Elizabeth Association Placer Claims, 160 acres

ERICKSON PLACERS, INC.
P.O. Box 623
Anchorage, Alaska

Basic: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

3.(a)(1)c. Continued.

more or less, location recorded in Volume 190, Page 326, of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

d. July No.1 Placer Claim, 20 acres more or less, location recorded in Volume 216, Page 223 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

e. July No.2, August No.1, August No.2 Placer Claims, each of 20 acres more or less, locations recorded in Volume 216, Page 224 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

f. Butt End Group Placer Claims, three claims, each of 20 acres more or less, locations recorded in Volume 190, Page 254 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

(2) BYRON ASSOCIATION PLACER CLAIMS

159.096 acres, U. S. Mineral Survey Number 1835, Patent Number 1,016,621, recorded in Volume 213, Page 94, of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

(3) BANGOR CREEK GROUP, consisting of the following placer claims on Bangor Creek and its tributary, Butterfield Creek:

a. Butterfield Scheelite No.1, No.2 and No.3, location recorded in Volume 228, Page 219 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

ERICKSON PLACERS, INC.
P.O. Box 623
Anchorage, Alaska

Basic: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

3.(a)(3) Continued.

b. Butterfield Scheelite No.4, location recorded in Volume 228, Page 220 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

c. The Turbojet, location recorded in Volume 228, Page 222 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

d. Alberta No.1, location recorded in Volume 228, Page 220 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

e. Alberta No.2, Marjorie No.1 and Marjorie No.2, locations recorded in Volume 228, Page 221 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

f. Radionics No.1, location recorded in Volume 228, Page 222 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

g. Radionics No.2, Radionics No.3, and Radionics No.4, locations recorded in Volume 228, Page 223 of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

h. Bangor No.7, location recorded in Volume , Page , of Locations, Records of the United States Commissioner, Cape Nome Recording Precinct, Nome, Alaska.

(b) None of these properties is named.

Basic: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

3. Continued.

(c) The Bonita Creek Group of unpatented placer claims, the patented Byron Association placer claims, and the unpatented Bangor No.7 claim on Bangor Creek, are held by the applicant under lease, copies of which accompany this application.

The Bangor Creek group of unpatented claims, with the exception of Bangor No.7 claim mentioned above, are the property of the applicant.

(d) Copies of leases submitted herewith.

(e) There are no liens or encumberances on any of these properties.

(f) Records of location notices included in (a) above.

4. PHYSICAL DESCRIPTION.

(a-e)

(1) Bonita Creek Group.

This group of claims, comprising 630 acres, more or less, lies on Bonita Creek, a tributary of Osborne Creek and the Nome River, approximately 17 miles northeast of Nome. Access may be had by good gravel road from Nome to the Nome River crossing, approximately nine miles, and a fair tractor trail passable to four-wheel-drive vehicles the remainder of the distance.

The claims were located during the years 1908 - 1911 by Mr. Charles D. Jones, present mayor of Nome, and associates. Three small ground-sluicing operations have been conducted on a bench on the Bonita Association Claim, as shown on the accompanying map. A total of approximately 2000 cubic yards of gravel were mined in these operations, with scheelite encountered in the sluice boxes in each operation. Approximately 3000 cubic yards of gravel were mined in other operations from the main stream bed of

Basic: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

4.(a-e)(1) Continued.

Bonita Creek, also on the Bonita Association Claim. According to Mr. Jones, bedrock was not encountered in this operation, but scheelite was found in the sluice boxes; and sufficient gold recovery was made to justify performing assessment work on the entire group of claims throughout the years since.

Sampling has been done on all the claims, in the performance of assessment work. This has invariably resulted in considerable scheelite showing along with the gold; and indicates an average gold content of approximately $1.00 per cubic yard, according to Mr. Jones. No estimate was made of the scheelite content of the gravels, as this mineral was only considered a nuisance in the past. However, from the meager information available, it is believed it will exceed one-half pound per cubic yard.

An accurate estimate of the total quantity of gravels in these claims, or their average valuable mineral content, is impossible without comprehensive exploration. From data available, there are roughly estimated to be between 1,500,000 and 2,000,000 cubic yards of gravels which can be mined profitably with modern equipment and methods.

Ample water for all exploration and production requirements are available from the waters of Bonita Creek.

Although only seventeen miles from Nome, the fluctuating high waters in the Nome River are such that a camp will be required for exploration of this property. An existing cabin on the July No.2 Claim may be utilized as a cook-house and mess-hall, with tent shelters to be provided as sleeping quarters.

Basic: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

4.(a-e) continued.

(2) Byron Association Placer Group.

This patented property lies on a bench on the north limits of Rock Creek, a tributary of the Snake River, approximately 9.5 miles north of Nome. It is bisected by the Snake River Road, a good gravel highway maintained by the Alaska Road Commission, and therefore readily accessible from Nome.

A study of the topography of this claim indicates an ancient channel of Rock Creek to traverse the property its entire length. Rock Creek, incidentally, is fed near its head by Sophia Gulch, from which a large part of the entire Alaskan production of scheelite was mined in 1916 by the Pioneer Mining Company.

No major mining operations have ever been attempted on the property; but sufficient showings of values were recovered in performing assessment work to justify the expense of securing patented title to the ground.

Samples taken recently from surface gravels above the inlet end of a culvert pipe crossing the highway, and from a shallow pit approximately midway between the highway and the northeasterly limits of the claim, resulted in sufficient showings of both scheelite and gold to indicate justification for thorough exploration of this property. Accurate estimates of quantities and values cannot be given without this thorough exploration; but there are roughly estimated to be at least 400,000 cubic yards of gravels which can be profitably mined.

Ample water for exploration and production purposes may be secured from Rock Creek, at the head of the operations.

No camp would be required at this site, as easy access will permit commutation from Nome.

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4.(a-e) continued.

(3) Bangor Creek Group.

This group of claims, on Bangor Creek and its principal tributary, Butterfield Creek, lies approximately 15 miles north of Nome, on the west side of the Snake River. The Snake River Road, previously referred to, gives ready access to within two miles of the property. A few hours work with tractor and bulldozer will provide an easily traversable road over this latter distance, for hauling of supplies from Nome.

The gravels of these claims have been partially exploited for gold in past operations. Hydraulic mining was performed in the early days on the upper limits of Bangor Creek, and on Butterfield Creek; while in 1921 a dredge worked the gravels of Bangor Creek downstream from its confluence with Butterfield Creek, a distance of one mile, for a width of approximately 200 feet, and an average depth of 15 feet, along the centerline of the main channel.

Virgin gravels remain on both sides of the dredger workings, and samples taken from these indicate considerable scheelite and some gold still to occur. No attempt was made to obtain samples from the dredge tailings, but from the history of its operation it is known that sheelite occurred in such quantities that it constituted a major nuisance in the gold recovery and cleanup operations, and this scheelite was rejected into the tailings.

Some virgin gravels still remain in the upper limits of both Bangor and Butterfield Creeks, while the history of the occurrance of scheelite in the old hydraulic gold placer operations is the same as that of the later dredge operation.

It is estimated there are in excess of 2,000,000 cubic yards of gravels which can be profitably mined.

Running water is available throughout the working season, from the flow of Bangor and Butterfield Creeks.

Basic: Application for aid in an Exploration Project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended.

4.(a-e)(3) continued.

Should it be necessary to establish a camp at this site, an existing cabin on the Turbjet claim may be rehabilitated with only minor repairs, for a cook-house and mess-hall. Tent shelters may be erected for sleeping quarters for the crews.

Skilled personnel necessary for all exploration operations are available from among the members of the applicant corporation. Common labor may be secured from the local labor market at Nome.

5. THE EXPLORATION PROJECT.

(a) MINERALS TO BE EXPLORED.
Scheelite and gold are the primary minerals expected to be recovered. The presence of wolframite, cassiterite, bismuth and platinum may be expected, from the history of past operations in the vicinities.

(b) PROPOSED OPERATION.

For the scheelite exploration proposed under this application, it is obvious that conventional placer drill testing is inadequate. It has also been demonstrated that sluice box and riffle methods are not effective in the recovery of this mineral.

The applicant proposes to use a highly mobile placer washing plant, equipped with a grizzly and vibrating screens to remove the oversize gravels; the finer gravels containing valuable minerals then flow across a battery of four 42" Pan-American Placer Jigs, while the coarse oversize gravels are carried directly to the tailings by conveyor belt. Fine tailings, after recovery of a rough concentrate of the valuable minerals through the jigs, are carried to the tailings by a sluice. The entire washing plant assembly, for high mobility across the soft tundra, is mounted on a set of four Athey Wagon track-laying wheels.

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5.(b) continued.

It is proposed to feed this exploration plant by means of a one-half yard dragline or clamshell bucket mounted on a D8 Caterpillar Tractor equipped with Hyster dragline boom. This tractor is also equipped with a bulldozer to perform any stripping and levelling operations necessary for the exploration work, and will provide the motive power for the washing plant.

A separate Diesel-Electric D-8800 Caterpillar generator will provide electric power for the unit drive operation of the vibrating screen, jig and conveyor belt motors.

The rough concentrates from the washing plant will receive final treatment and separation at a shore plant, consisting of one 26-inch Pan-American Placer Jig unit of two cells in series.

For evaluation work, it is proposed to excavate a series of test pits across the stream channels with the clamshell bucket for the purpose of quickly determining the presence or absence of valuable minerals and roughly outlining the "pay-streak". After determining the latter, a trench will be excavated to bedrock, across the streak, the gravels being processed through the plant for recovery and determination of values.

This trench will be profiled and cross-sectioned before and after excavation. The before and after profiles will provide an accurate cross-section of the pay channel; trench cross-sections will furnish a quantitative and qualitative analysis of recovered values. A series of trenches at intervals along the pay channel will then permit accurate overall determination of quantities and average recoverable values.

It is recognized that this method of evaluation could be subject to considerably amount of error; but by careful time-lag studies of the interval between the introduction of the raw gravels into the hopper and the

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5.(b) continued.

recovery of concentrates from the jigs; by careful cross-sectioning of various sampling at the trench; by the provision of separate sampling compartments in the concentrate bins, and the careful analysis of values from these samples, it is believed these errors can be reduced to a minimum and that a practical and relatively accurate evaluation can be made of overburden and pay-streak. It is assured that whatever errors might creep in, would result in conservative rather than inflated evaluation.

(c) The operation will begin as soon as ground conditions permit in the spring of 1953 and will be completed within the following two working seasons, not later than 24 months from the date of the exploration contract.

(d) OPERATING EXPERIENCE AND BACKGROUND OF APPLICANT.

Operation of the shore plant will be under the direct supvervision of Mr. Walter A. Erickson, President of the applicant corporation, whose years of practical placer mining experience have resulted in the conception of the outlined exploration plant, also the patented Erickson Placer Washing Plant which will be used later in production mining.

Mr. Erickson has been actively engaged in placer mining activities from boyhood, as his father John T. Erickson, was well known in the early mining history of Colorado, and was one of the leaders of the Nome gold rush of 1898.

Included in Mr. Erickson's mining experience are two years as superintendent of the Jet-Ross Placer Washing Plant operations at Atlantic City, Wyoming; one year as superintendent of dredging operations for the Keith Scott Placers at Beowaive, Nevada; two years as superintendent of dredging operations for the New Mexico Gold Producers at Eagle Nest, New Mexico; one year as superintendent of the Valhagen Brothers Ute Creek Placer Washing Plant operation at Ute Park, New Mexico; one year in charge of

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5.(d) continued.

placer evaluation work for Minden Placers at Minden, Nevada; one year as assistant engineer to Mr. William O. Vanderberg, Nevada State Mining Engineer, in charge of tungsten exploration and evaluation work by diamond drilling; one year in charge of placer scheelite testing for the Keenan Properties at Tinton, South Dakota. It was on this latter operation that Mr. Erickson became acquainted with the efficiency of the Pan-American Placer Jigs in scheelite recovery, and adapted this equipment as the recovery unit of his placer washing plant.

Mr. Erickson has spent the past several years in charge of heavy construction work in Alaska, including construction of the Summit and Kenai airports for the Civil Aeronautics Administration; installation of the Eklutna CAA Range Station; construction of a concrete dam at Eklutna for the Anchorage Light and Power Company; and several years as plant superintendent for the Anchorage Sand and Gravel Company.

Exploration plant operation and engineering work will be under the direct supervision of Mr. Charles E. Abbott, Vice-President of the applicant corporation, who has had more than thirty years experience in engineering and heavy construction work. Education in Civil Engineering was gained at Oregon State College, and Mr. Abbott's experience includes the following: Three years as Topographical Engineer, Los Angeles County Surveyor, Los Angeles, California; fifteen years as Chief of Survey Party, Resident Engineer and Construction Superintendent for the State of California, Division of Highways; three years as Materials and Testing Engineer for the 11th Naval District, at El Toro Marine Corps Air Station, Santa Ana, California, and neighboring naval installations; one year as paving superintendent for J. E. Haddock, Ltd., at Ventura, California; one year as Staff Engineer, Morrison-Knudsen Co., Western Division, Los Angeles, California; two years as Chief, Operations Division, Anchorage District, Alaska Road Commission; and one year as City Manager, McNary, Arizona, for Southeast Lumber Mills, Inc.

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6. ESTIMATE OF COSTS.

(a) Independent Contracts

No independent contracts will be made.

(b) Labor and Supervision:

Dragline Operators	2	300 days	@	$ 40.00	$ 12,000.00
Oiler-Mechanic	2	300 days	@	36.00	10,800.00
Plant Operators	2	300 days	@	40.00	12,000.00
Laborers	5	750 days	@	30.00	22,500.00
Supervisors	2	12 mos.	@	800.00	9,600.00
			Total		$ 66,900.00

(c) Operating Materials and Supplies

Diesel Fuel	30,000 gal.	@	$ 0.25	$ 7,500.00
Grease	1,500 lbs. ?	@	0.50	750.00
Gasoline	15,000 gal.	@	0.35	5,250.00
Cable, 5/8 In.	2,500 lf.	@	0.30	750.00
Fuel oil, heating	3,000 gal.	@	0.25	750.00
Tents, 16' x 16'	3 ea.	@	150.00	450.00
Lumber, floor, wall	3,000 fbm.	@	100.00	300.00
Range, oil, kitchen	1 ea.	@	200.00	200.00
Kitchen, mess eqpt.				400.00
Tools, misc., small				300.00
Pipe, 6", slip joint	1,000 lf.	@	4.50	4,500.00
		Total		$ 21,150.00

(d) Operating Equipment

Athey wheels	$ 5,750.00
Vibrating screens, w/motor	3,500.00
Conveyor belt, w/motor	1,300.00
Pan American (DorrCo) Placer Jigs	4,400.00
Pump, Centrifugal, 4", w/motor	1,200.00
Fabrication and assembly	10,000.00
D-8800 Diesel Electric Power Unit	9,000.00
D-8 Tractor w/Hyster dragline and bulldozer	36,000.00
Shore Plant	2,100.00
Dodge Power Wagon	3,200.00
Total	$ 76,450.00

ERICKSON PLACERS, INC.
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6. continued.

(e) Rehabilitation and Repair

No rehabilitation or repair is necessary to any equipment or installation.

(f) New buildings, improvements, installations

No new building, improvement, or installation is necessary.

(g) Miscellaneous

(1)	Maintenance of operating equipment (estimated at 10% new cost)		$ 7,645.00
(2)	Accountant-Timekeeper, 1 man, 6 mo.		3,000.00
(3)	Analytical work, covered in 6.(b) in supervisory costs.		
(4)	Workmen's Compensation	2.7 %	1,806.30
(5)	Unemployment Insurance	1.5 %	1,003.50
(6)	Employe Liability Ins.		
	Dragline Operator	3.5 %	420.00
	Oiler-Mechanic	2.66 %	287.28
	Plant Operators	3.5 %	420.00
	Laborers	3.5 %	787.50
	Timekeeper	.11 %	3.30
	Supervisors	3.5 %	336.00
(7)	Freight, 40 tons	@ $27.70	1,108.00
	Lighterage, 40 tons	@ 20.00	800.00
		Total	$ 17,616.88

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6. continued.

(h) Contingencies

Approximately 10 %	$	17,883.12

(i) SUMMARY.

(1)	Labor and Supervision	$	66,900.00
(2)	Operating Materials and Supplies		21,150.00
(3)	Operating Equipment		76,450.00
(4)	Miscellaneous		17,616.88
(5)	Contingencies		17,883.12
	TOTAL COST OF PROJECT	$	200,000.00

7. APPLICANT'S FINANCIAL PREPAREDNESS.

(a) Applicant is prepared to furnish its share of the cost of the proposed project.

(b) This will be furnished in the form of money. Applicant corporation, organized under the laws of the Territory of Alaska, has been authorized to dispose of 3000 shares of its capital stock, by subscription, at $100.00 per share. At the present time, 575 shares have been subscribed; and subscription is being continued until a reserve fund of at least $25,000.00 above the $50,000.00 share of applicant's participation in this exploration project, has been raised to cover corporate overhead and indirect costs not subject to government participation.

LEASE

THIS LEASE, made and executed in triplicate on the 12 day of August 1952, by and between CHARLES D. JONES, of Nome, Alaska, party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

That the said Lessor, for and in consideration of the royalties, covenants, and agreements herein reserved, and by the Lessee to be kept, paid, and performed, has let, and by these presents does lease unto the said Lessee, the following named mining property, situate and located in the Cape Nome Precinct, Second Division, Territory of Alaska, and specifically named as follows:

Bonita Association, consisting of eight claims on Bonita Creek;
July Number One on Bonita Creek;
July Number Two on Bonita Creek;
August Number One on Bonita Creek;
August Number Two on Bonita Creek;
Eleanor Association, consisting of eight claims on Bonita Creek;
Elizabeth Association, consisting of eight claims, on right limit of Bonita Creek, adjoining July and August claims;
Butt End Group, consisting of three claims on Ida Gulch.

TO HAVE AND TO HOLD unto the said Lessee for a period of Ten (10) Years from the date of this lease, unless sooner determined, and subject to the provisions hereinafter stated in this lease.

An option to lease for an additional period of Ten (10) Years is hereby granted to the Lessee, to be exercised by the Lessee giving written notice to the Lessor, not less than ninety (90) days prior to the expiration date of this lease, of intention to exercise such option, and only after the Lessee has fully performed the other conditions of this lease.

AND, in consideration of this said lease, the Lessee does covenant and agree with the Lessor as follows:

I. ROYALTY TO BE PAID TO LESSOR:

The Lessee agrees to pay to the Lessor herein a royalty which will and shall be computed on a basis of Ten Percent (10%) of the gross output from production of all minerals, gold, and other precious metals recovered from the leased premises during the term of this lease.

II. LESSEE TO PERFORM AND RECORD ANNUAL ASSESSMENT WORK

Beginning with the assessment year 1952, the Lessee agrees to perform and record in the office of the Recorder for the Cape Nome Precinct, at Nome, Alaska, as required by the laws of the United States and the Territory of Alaska, the annual assessment work upon the claims herein leased.

III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, not later than the 1954 work season.

IV. FIXTURES, EQUIPMENT AND IMPROVEMENTS

The Lessee shall provide all fixtures, equipment, and improvements necessary for the progress of the work and operations performed on the leased premises, and the Lessee is hereby given the right by the Lessor, and it is specifically understood that the Lessee may put and establish whatever equipment, fixtures, and improvements, including buildings, that it desires or deems necessary upon the leased property, and the title to the said fixtures, equipment, and improvements shall remain in the Lessee; and, at the termination of this lease, or at any time before termination, the said Lessee may remove from the property any portion, or all of such equipment, fixtures, and improvements belonging to it.

V. LESSEE TO MAINTAIN ALL FIXTURES, EQUIPMENT, AND IMPROVEMENTS

The Lessee agrees to maintain such fixtures, equipment, and improvements as it shall use upon the leased property.

VI. LESSOR MAY BE PRESENT AT CLEANUPS

It is understood and agreed by and between the parties that the Lessor may be present and have access to the leased property at such times as he may desire in order to watch or inspect the cleanup processes.

VI-A. It is further understood and agreed that any Lode claims or ledges staked by the lessee on the property hereby leased, will be the property of the lessor, and recorded in his name, and subject to the same terms and conditions of this lease, including the ten percent royalty payments.

VII. LESSOR PERMITTED TO POST NON-LIABILITY NOTICES

The Lessee agrees to allow the Lessor to keep posted on the leased premises, as provided by law, at all times during the continuance of this lease, notices of non-liability of the Lessor of said property for indebtedness incurred while said property is held under this lease.

VIII. LEASE SUBJECT TO FEDERAL GOVERNMENT EXPLORATION PROJECT CONTRACT

It is specifically understood and agreed by and between the parties to this lease that the said lease is subject to the terms of, and the existence of an Exploration Project Contract by and between the United States and the Lessee; and that should such Exploration Project Contract not be granted by the United States to the said Lessee, then, at the option of the Lessee, the terms of this lease shall be null and void, and neither party shall be liable to the other party hereunder.

IX. LESSEE TO NOTIFY LESSOR OF ABANDONMENT OF LEASE

If it should become necessary for the Lessee to abandon this lease for reasons so stated in the preceding paragraph, then the Lessee agrees to so notify the Leasor of his abandonment in writing.

X. LEASE TERMS BINDING UPON WHOM

This lease shall be binding not only upon the parties hereto, but also upon their heirs, legal representatives, executors, administrators, and assigns.

IN WITNESS WHEREOF these presents are executed in triplicate this 12 day of August 1952.

Witnesses to Execution for Lessor:

Robert J. Scott

James H. von der Heydt

Witnesses to Execution for Lessee:

Edward R. Abbott

Lois M. Anderson

Chas. Jones

Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson

Authorized Director,
Lessee.

LEASE

THIS LEASE, made and executed in triplicate on the 12 day of August 1952, by and between CHARLES P. JONES, of Nome, Alaska, party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

That the said Lessor, for and in consideration of the royalties, covenants, and agreements herein reserved, and by the Lessee to be kept, paid, and performed, has let, and by these presents does lease unto the said Lessee, the following named mining property, situate and located in the Cape Nome Precinct, Second Division, Territory of Alaska, and specifically named as follows:

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July Number One on Bonita Creek;
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August Number One on Bonita Creek;
August Number Two on Bonita Creek;
Eleanor Association, consisting of eight claims on Bonita Creek;
Elizabeth Association, consisting of eight claims, on right limit of Bonita Creek, adjoining July and August claims;
Dutt Bed Group, consisting of three claims on Ida Gulch.

TO HAVE AND TO HOLD unto the said Lessee for a period of Ten (10) Years from the date of this lease, unless sooner determined, and subject to the provisions hereinafter stated in this lease.

An option to lease for an additional period of Ten (10) Years is hereby granted to the Lessee, to be exercised by the Lessee giving written notice to the Lessor, not less than ninety (90) days prior to the expiration date of this lease, of intention to exercise such option, and only after the Lessee has fully performed the other conditions of this lease.

AND, in consideration of this said lease, the Lessee does covenant and agree with the Lessor as follows:

I. ROYALTY TO BE PAID TO LESSOR:

The Lessee agrees to pay to the Lessor herein a royalty which will and shall be computed on a basis of Ten Percent (10%) of the gross output from production of all minerals, gold, and other precious metals recovered from the leased premises during the term of this lease.

II. LESSEE TO PERFORM AND RECORD ANNUAL ASSESSMENT WORK

Beginning with the assessment year 1952, the Lessee agrees to perform and record in the office of the Recorder for the Cape Nome Precinct, at Nome, Alaska, as required by the laws of the United States and the Territory of Alaska, the annual assessment work upon the claims herein leased.

III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, not later than the 1954 work season. ~~within the first ten (10) year period of said lease.~~

IV. FIXTURES, EQUIPMENT AND IMPROVEMENTS

The Lessee shall provide all fixtures, equipment, and improvements necessary for the progress of the work and operations performed on the leased premises, and the Lessee is hereby given the right by the Lessor, and it is specifically understood that the Lessee may put and establish whatever equipment, fixtures, and improvements, including buildings, that it desires or deems necessary upon the leased property, and the title to the said fixtures, equipment, and improvements shall remain in the Lessee; and, at the termination of this lease, or at any time before termination, the said Lessee may remove from the property any portion, or all of such equipment, fixtures, and improvements belonging to it.

V. LESSEE TO MAINTAIN ALL FIXTURES, EQUIPMENT, AND IMPROVEMENTS

The Lessee agrees to maintain such fixtures, equipment, and improvements as it shall use upon the leased property.

VI. LESSOR MAY BE PRESENT AT CLEANUPS

It is understood and agreed by and between the parties that the Lessor may be present and have access to the leased property at such times as he may desire in order to watch or inspect the cleanup processes.

VI-A. It is further understood and agreed that any lode claims or lodges staked by the lessee on the property hereby leased, will be the property of the lessor, and recorded in his name, and subject to the same terms and conditions of this lease, including the ten percent royalty payments.

VII. LESSOR PERMITTED TO POST NON-LIABILITY NOTICES

The Lessee agrees to allow the Lessor to keep posted on the leased premises, as provided by law, at all times during the continuance of this lease, notices of non-liability of the Lessor of said property for indebtedness incurred while said property is held under this lease.

VIII. LEASE SUBJECT TO FEDERAL GOVERNMENT EXPLORATION PROJECT CONTRACT

It is specifically understood and agreed by and between the parties to this lease that the said lease is subject to the terms of, and the existence of an Exploration Project Contract by and between the United States and the Lessee; and that should such Exploration Project Contract not be granted by the United States to the said Lessee, then, at the option of the Lessee, the terms of this lease shall be null and void, and neither party shall be liable to the other party hereunder.

IX. LESSEE TO NOTIFY LESSOR OF ABANDONMENT OF LEASE

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X. LEASE TERMS BINDING UPON WHOM

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James H. von der Heydt

Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson
Authorized Director,
Lessee.

Witnesses to Execution for Lessee:

Charles Fahlbert

Lois M. Anderson

LEASE

THIS LEASE, made and executed in triplicate on the 12 day of [illegible] 195[illegible], by and between [illegible], of [illegible], party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

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[illegible]

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III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, ~~within the first ten (10) year period of said lease.~~

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X. LEASE TERMS BINDING UPON WHOM

This lease shall be binding not only upon the parties hereto, but also upon their heirs, legal representatives, executors, administrators, and assigns.

IN WITNESS WHEREOF these presents are executed in triplicate this 12 day of [illegible] 1952.

Witnesses to Execution for Lessor:

Robert T. Scott

James H. von der Heydt

Witnesses to Execution for Lessee:

[illegible]

Lois M. Anderson

Chas. L. Jones

Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson

Authorized Director,
Lessee.

[illegible]

LEASE

THIS LEASE, made and executed in triplicate on the 7th day of October 1952, by and between Fred J. Rohn, of Nome, Alaska, party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

That the said Lessor, for and in consideration of the royalties, covenants, and agreements herein reserved, and by the Lessee to be kept, paid, and performed, has let, and by these presents does lease unto the said Lessee, the following named mining property, situate and located in the Cape Nome Precinct, Second Division, Territory of Alaska, and specifically named as follows:

Claim number seven on Bangor Creek

TO HAVE AND TO HOLD unto the said Lessee for a period of Ten (10) Years from the date of this lease, unless sooner determined, and subject to the provisions hereinafter stated in this lease.

An option to lease for an additional period of Ten (10) Years is hereby granted to the Lessee, to be exercised by the Lessee giving written notice to the Lessor, not less than ninety (90) days prior to the expiration date of this lease, of intention to exercise such option, and only after the Lessee has fully performed the other conditions of this lease.

AND, in consideration of this said lease, the Lessee does covenant and agree with the Lessor as follows:

I. ROYALTY TO BE PAID TO LESSOR:

The Lessee agrees to pay to the Lessor herein a royalty which will and shall be computed on a basis of Ten Percent (10%) of the gross output from production of all minerals, gold, and other precious metals recovered from the leased premises during the term of this lease.

II. LESSEE TO PERFORM AND RECORD ANNUAL ASSESSMENT WORK

Beginning with the assessment year 1952, the Lessee agrees to perform and record in the office of the Recorder for the Cape Nome Precinct, at Nome, Alaska, as required by the laws of the United States and the Territory of Alaska, the annual assessment work upon the claims herein leased.

III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, within the first ten (10) year period of said lease.

IV. FIXTURES, EQUIPMENT AND IMPROVEMENTS

The Lessee shall provide all fixtures, equipment, and improvements necessary for the progress of the work and operations performed on the leased premises, and the Lessee is hereby given the right by the Lessor, and it is specifically understood that the Lessee may put and establish whatever equipment, fixtures, and improvements, including buildings, that it desires or deems necessary upon the leased property, and the title to the said fixtures, equipment, and improvements shall remain in the Lessee; and, at the termination of this lease, or at any time before termination, the said Lessee may remove from the property any portion, or all of such equipment, fixtures, and improvements belonging to it.

V. LESSEE TO MAINTAIN ALL FIXTURES, EQUIPMENT, AND IMPROVEMENTS

The Lessee agrees to maintain such fixtures, equipment, and improvements as it shall use upon the leased property.

VI. LESSOR MAY BE PRESENT AT CLEANUPS

It is understood and agreed by and between the parties that the Lessor may be present and have access to the leased property at such times as he may desire in order to watch or inspect the cleanup processes.

VII. LESSOR PERMITTED TO POST NON-LIABILITY NOTICES

The Lessee agrees to allow the Lessor to keep posted on the leased premises, as provided by law, at all times during the continuance of this lease, notices of non-liability of the Lessor of said property for indebtedness incurred while said property is held under this lease.

VIII. LEASE SUBJECT TO FEDERAL GOVERNMENT EXPLORATION PROJECT CONTRACT

It is specifically understood and agreed by and between the parties to this lease that the said lease is subject to the terms of, and the existence of an Exploration Project Contract by and between the United States and the Lessee; and that should such Exploration Project Contract not be granted by the United States to the said Lessee, then, at the option of the Lessee, the terms of this lease shall be null and void, and neither party shall be liable to the other party hereunder.

IX. LESSEE TO NOTIFY LESSOR OF ABANDONMENT OF LEASE

If it should become necessary for the Lessee to abandon this lease for reasons so stated in the preceding paragraph, then the Lessee agrees to so notify the Leasor of his abandonment in writing.

X. LEASE TERMS BINDING UPON WHOM

This lease shall be binding not only upon the parties hereto, but also upon their heirs, legal representatives, executors, administrators, and assigns.

IN WITNESS WHEREOF these presents are executed in triplicate this 7th day of October 1952.

Witnesses to Execution for Lessor:

Colleen Brown

James A. von der Heydt

Fred J. Rohm
Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson
Authorized Director,
Lessee.

Witnesses to Execution for Lessee:

Charles E. Abbott

Lois M. Anderson

LEASE

THIS LEASE, made and executed in triplicate on the 7th day of October 1952, by and between Fred J. Rohn, of Nome, Alaska, party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

That the said Lessor, for and in consideration of the royalties, covenants, and agreements herein reserved, and by the Lessee to be kept, paid, and performed, has let, and by these presents does lease unto the said Lessee, the following named mining property, situate and located in the Cape Nome Precinct, Second Division, Territory of Alaska, and specifically named as follows:

Claim number seven on Bangor Creek

TO HAVE AND TO HOLD unto the said Lessee for a period of Ten (10) Years from the date of this lease, unless sooner determined, and subject to the provisions hereinafter stated in this lease.

An option to lease for an additional period of Ten (10) Years is hereby granted to the Lessee, to be exercised by the Lessee giving written notice to the Lessor, not less than ninety (90) days prior to the expiration date of this lease, of intention to exercise such option, and only after the Lessee has fully performed the other conditions of this lease.

AND, in consideration of this said lease, the Lessee does covenant and agree with the Lessor as follows:

I. ROYALTY TO BE PAID TO LESSOR:

The Lessee agrees to pay to the Lessor herein a royalty which will and shall be computed on a basis of Ten Percent (10%) of the gross output from production of all minerals, gold, and other precious metals recovered from the leased premises during the term of this lease.

II. LESSEE TO PERFORM AND RECORD ANNUAL ASSESSMENT WORK

Beginning with the assessment year 1952, the Lessee agrees to perform and record in the office of the Recorder for the Cape Nome Precinct, at Nome, Alaska, as required by the laws of the United States and the Territory of Alaska, the annual assessment work upon the claims herein leased.

III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, within the first ten (10) year period of said lease.

IV. FIXTURES, EQUIPMENT AND IMPROVEMENTS

The Lessee shall provide all fixtures, equipment, and improvements necessary for the progress of the work and operations performed on the leased premises, and the Lessee is hereby given the right by the Lessor, and it is specifically understood that the Lessee may put and establish whatever equipment, fixtures, and improvements, including buildings, that it desires or deems necessary upon the leased property, and the title to the said fixtures, equipment, and improvements shall remain in the Lessee; and, at the termination of this lease, or at any time before termination, the said Lessee may remove from the property any portion, or all of such equipment, fixtures, and improvements belonging to it.

V. LESSEE TO MAINTAIN ALL FIXTURES, EQUIPMENT, AND IMPROVEMENTS

The Lessee agrees to maintain such fixtures, equipment, and improvements as it shall use upon the leased property.

VI. LESSOR MAY BE PRESENT AT CLEANUPS

It is understood and agreed by and between the parties that the Lessor may be present and have access to the leased property at such times as he may desire in order to watch or inspect the cleanup processes.

VII. LESSOR PERMITTED TO POST NON-LIABILITY NOTICES

The Lessee agrees to allow the Lessor to keep posted on the leased premises, as provided by law, at all times during the continuance of this lease, notices of non-liability of the Lessor of said property for indebtedness incurred while said property is held under this lease.

VIII. LEASE SUBJECT TO FEDERAL GOVERNMENT EXPLORATION PROJECT CONTRACT

It is specifically understood and agreed by and between the parties to this lease that the said lease is subject to the terms of, and the existence of an Exploration Project Contract by and between the United States and the Lessee; and that should such Exploration Project Contract not be granted by the United States to the said Lessee, then, at the option of the Lessee, the terms of this lease shall be null and void, and neither party shall be liable to the other party hereunder.

IX. LESSEE TO NOTIFY LESSOR OF ABANDONMENT OF LEASE

If it should become necessary for the Lessee to abandon this lease for reasons so stated in the preceding paragraph, then the Lessee agrees to so notify the Leasor of his abandonment in writing.

X. LEASE TERMS BINDING UPON WHOM

This lease shall be binding not only upon the parties hereto, but also upon their heirs, legal representatives, executors, administrators, and assigns.

IN WITNESS WHEREOF these presents are executed in triplicate this 7TH day of October 1952.

Witnesses to Execution for Lessor:

Colleen Brown

James A. von der Heydt

Fred J. Rolan
Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson
Authorized Director,
Lessee.

Witnesses to Execution for Lessee:

Charles E. Abbott

Lois M. Anderson

LEASE

THIS LEASE, made and executed in triplicate on the 7th day of October 1952, by and between Fred J. Rohn, of Nome, Alaska, party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

That the said Lessor, for and in consideration of the royalties, covenants, and agreements herein reserved, and by the Lessee to be kept, paid, and performed, has let, and by these presents does lease unto the said Lessee, the following named mining property, situate and located in the Cape Nome Precinct, Second Division, Territory of Alaska, and specifically named as follows:

Claim number seven on Bangor Creek

TO HAVE AND TO HOLD unto the said Lessee for a period of Ten (10) Years from the date of this lease, unless sooner determined, and subject to the provisions hereinafter stated in this lease.

An option to lease for an additional period of Ten (10) Years is hereby granted to the Lessee, to be exercised by the Lessee giving written notice to the Lessor, not less than ninety (90) days prior to the expiration date of this lease, of intention to exercise such option, and only after the Lessee has fully performed the other conditions of this lease.

AND, in consideration of this said lease, the Lessee does covenant and agree with the Lessor as follows:

I. ROYALTY TO BE PAID TO LESSOR:

The Lessee agrees to pay to the Lessor herein a royalty which will and shall be computed on a basis of Ten Percent (10%) of the gross output from production of all minerals, gold, and other precious metals recovered from the leased premises during the term of this lease.

II. LESSEE TO PERFORM AND RECORD ANNUAL ASSESSMENT WORK

Beginning with the assessment year 1952, the Lessee agrees to perform and record in the office of the Recorder for the Cape Nome Precinct, at Nome, Alaska, as required by the laws of the United States and the Territory of Alaska, the annual assessment work upon the claims herein leased.

III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, within the first ten (10) year period of said lease.

IV. FIXTURES, EQUIPMENT AND IMPROVEMENTS

The Lessee shall provide all fixtures, equipment, and improvements necessary for the progress of the work and operations performed on the leased premises, and the Lessee is hereby given the right by the Lessor, and it is specifically understood that the Lessee may put and establish whatever equipment, fixtures, and improvements, including buildings, that it desires or deems necessary upon the leased property, and the title to the said fixtures, equipment, and improvements shall remain in the Lessee; and, at the termination of this lease, or at any time before termination, the said Lessee may remove from the property any portion, or all of such equipment, fixtures, and improvements belonging to it.

V. LESSEE TO MAINTAIN ALL FIXTURES, EQUIPMENT, AND IMPROVEMENTS

The Lessee agrees to maintain such fixtures, equipment, and improvements as it shall use upon the leased property.

VI. LESSOR MAY BE PRESENT AT CLEANUPS

It is understood and agreed by and between the parties that the Lessor may be present and have access to the leased property at such times as he may desire in order to watch or inspect the cleanup processes.

VII. LESSOR PERMITTED TO POST NON-LIABILITY NOTICES

The Lessee agrees to allow the Lessor to keep posted on the leased premises, as provided by law, at all times during the continuance of this lease, notices of non-liability of the Lessor of said property for indebtedness incurred while said property is held under this lease.

VIII. LEASE SUBJECT TO FEDERAL GOVERNMENT EXPLORATION PROJECT CONTRACT

It is specifically understood and agreed by and between the parties to this lease that the said lease is subject to the terms of, and the existence of an Exploration Project Contract by and between the United States and the Lessee; and that should such Exploration Project Contract not be granted by the United States to the said Lessee, then, at the option of the Lessee, the terms of this lease shall be null and void, and neither party shall be liable to the other party hereunder.

IX. LESSEE TO NOTIFY LESSOR OF ABANDONMENT OF LEASE

If it should become necessary for the Lessee to abandon this lease for reasons so stated in the preceding paragraph, then the Lessee agrees to so notify the Leasor of his abandonment in writing.

X. LEASE TERMS BINDING UPON WHOM

This lease shall be binding not only upon the parties hereto, but also upon their heirs, legal representatives, executors, administrators, and assigns.

IN WITNESS WHEREOF these presents are executed in triplicate this 7th day of October 1954.

Witnesses to Execution for Lessor:

Colleen Brown

James A. von der Heydt

Fred J. Rohne
Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson
Authorized Director,
Lessee.

Witnesses to Execution for Lessee:

Charlene E. Albertson

Lois M. Anderson

LEASE

THIS LEASE, made and executed in triplicate on the 26th day of June 1952, by and between Mel Jolliffe, of Nome, Alaska, party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

That the said Lessor, for and in consideration of the royalties, covenants, and agreements herein reserved, and by the Lessee to be kept, paid, and performed, has let, and by these presents does lease unto the said Lessee, the following named mining property, situate and located in the Cape Nome Precinct, Second Division, Territory of Alaska, and specifically named as follows: Byron Association Placer Mining Claim, Nome 0762, Patent Number 1016621, designated as Survey Number 1835, described as follows: Beginning at corner No. 1 a fir post four inches square, 3 feet long, marked 1B-1835, bears south 56 degrees 46 minutes East 2374-8/10 feet distant; Thence, 1st course north 39 degrees 57 minutes west 1320 ft. to corner No. 2, a fir post 4 in. square, thence 2nd course, north 51 degrees 55 minutes east 5253 feet to corner No. 3, a fir post 4 inches square; thence 3rd course south 39 degrees 57 minutes east 1320 feet to corner No. 4, a schist stone 24x10x6 inches; thence 4th course, south 51 degrees58 minutes west 5253 feet to corner no. 1, the place of beginning, the premises herein granted containing 159 acres and 96-thousandths of an acre.

TO HAVE AND TO HOLD unto the said Lessee for a period of Ten (10) Years from the date of this lease, unless sooner determined, and subject to the provisions hereinafter stated in this lease.

An option to lease for an additional period of Ten (10) Years is hereby granted to the Lessee, to be exercised by the Lessee giving written notice to the Lessor, not less than ninety (90) days prior to the expiration date of this lease, of intention to exercise such option, and only after the Lessee has fully performed the other conditions of this lease.

AND, in consideration of this said lease, the Lessee does covenant and agree with the Lessor as follows:

I. ROYALTY TO BE PAID TO LESSOR:

The Lessee agrees to pay to the Lessor herein a royalty which will and shall be computed on a basis of Ten Percent (10%) of the gross output from production of all minerals, gold, and other precious metals recovered from the leased premises during the term of this lease.

II. LESSEE TO PERFORM AND RECORD ANNUAL ASSESSMENT WORK

Beginning with the assessment year 1952, the Lessee agrees to perform and record in the office of the Recorder for the Cape Nome Precinct, at Nome, Alaska, as required by the laws of the United States and the Territory of Alaska, the annual assessment work upon the claims herein leased.

III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, within the first ten (10) year period of said lease.

IV. FIXTURES, EQUIPMENT AND IMPROVEMENTS

The Lessee shall provide all fixtures, equipment, and improvements necessary for the progress of the work and operations performed on the leased premises, and the Lessee is hereby given the right by the Lessor, and it is specifically understood that the Lessee may put and establish whatever equipment, fixtures, and improvements, including buildings, that it desires or deems necessary upon the leased property, and the title to the said fixtures, equipment, and improvements shall remain in the Lessee; and, at the termination of this lease, or at any time before termination, the said Lessee may remove from the property any portion, or all of such equipment, fixtures, and improvements belonging to it.

V. LESSEE TO MAINTAIN ALL FIXTURES, EQUIPMENT, AND IMPROVEMENTS

The Lessee agrees to maintain such fixtures, equipment, and improvements as it shall use upon the leased property.

VI. LESSOR MAY BE PRESENT AT CLEANUPS

It is understood and agreed by and between the parties that the Lessor may be present and have access to the leased property at such times as he may desire in order to watch or inspect the cleanup processes.

VII. LESSOR PERMITTED TO POST NON-LIABILITY NOTICES

The Lessee agrees to allow the Lessor to keep posted on the leased premises, as provided by law, at all times during the continuance of this lease, notices of non-liability of the Lessor of said property for indebtedness incurred while said property is held under this lease.

VIII. LEASE SUBJECT TO FEDERAL GOVERNMENT EXPLORATION PROJECT CONTRACT

It is specifically understood and agreed by and between the parties to this lease that the said lease is subject to the terms of, and the existence of an Exploration Project Contract by and between the United States and the Lessee; and that should such Exploration Project Contract not be granted by the United States to the said Lessee, then, at the option of the Lessee, the terms of this lease shall be null and void, and neither party shall be liable to the other party hereunder.

IX. LESSEE TO NOTIFY LESSOR OF ABANDONMENT OF LEASE

If it should become necessary for the Lessee to abandon this lease for reasons so stated in the preceding paragraph, then the Lessee agrees to so notify the Leasor of his abandonment in writing.

X. LEASE TERMS BINDING UPON WHOM

This lease shall be binding not only upon the parties hereto, but also upon their heirs, legal representatives, executors, administrators, and assigns.

IN WITNESS WHEREOF these presents are executed in triplicate this 26 day of June 1952.

Witnesses to Execution for Lessor:

James H. von der Heydt

Colleen Brown

Mel Gallipe
Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson
Authorized Director,
Lessee.

Witnesses to Execution for Lessee:

Charles E. Albert

Lois M. Anderson

LEASE

THIS LEASE, made and executed in triplicate on the 26th day of June 1952, by and between Pat Dollard, of Nome, Alaska, party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

That the said Lessor, for and in consideration of the royalties, covenants, and agreements herein reserved, and by the Lessee to be kept, paid, and performed, has let, and by these presents does lease unto the said Lessee, the following named mining property, situate and located in the Cape Nome Precinct, Second Division, Territory of Alaska, and specifically named as follows: Iron Association Placer Mining Claim, Nome 0 076, Patent Number 1016621, designated on Survey Number 1335, described as follows: Beginning at corner No. 1 a 4in post four inches square, 5 feet long, marked 1-1335, bears south 56 degrees 40 minutes east 374-0/10 feet distant; thence, 1st course north 39 degrees 57 minutes east 1320 ft. to corner No. 2, a 4in post 4 in. square, thence 2nd course, north 52 degrees 39 minutes east 5353 feet to corner No. 3, a 4in post 4 inches square; thence 3rd course south 39 degrees 57 minutes east 1320 feet to corner No. 4, a pedlot stake 2x2x24 inches; thence 4th course, south 52 degrees 39 minutes west 5353 feet to corner no. 1, the place of beginning, the premises herein granted containing 160 acres and 96-thousandths of an acre.

TO HAVE AND TO HOLD unto the said Lessee for a period of Ten (10) Years from the date of this lease, unless sooner determined, and subject to the provisions hereinafter stated in this lease.

An option to lease for an additional period of Ten (10) Years is hereby granted to the Lessee, to be exercised by the Lessee giving written notice to the Lessor, not less than ninety (90) days prior to the expiration date of this lease, of intention to exercise such option, and only after the Lessee has fully performed the other conditions of this lease.

AND, in consideration of this said lease, the Lessee does covenant and agree with the Lessor as follows:

I. ROYALTY TO BE PAID TO LESSOR:

The Lessee agrees to pay to the Lessor herein a royalty which will and shall be computed on a basis of Ten Percent (10%) of the gross output from production of all minerals, gold, and other precious metals recovered from the leased premises during the term of this lease.

II. LESSEE TO PERFORM AND RECORD ANNUAL ASSESSMENT WORK

Beginning with the assessment year 1952, the Lessee agrees to perform and record in the office of the Recorder for the Cape Nome Precinct, at Nome, Alaska, as required by the laws of the United States and the Territory of Alaska, the annual assessment work upon the claims herein leased.

III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, within the first ten (10) year period of said lease.

IV. FIXTURES, EQUIPMENT AND IMPROVEMENTS

The Lessee shall provide all fixtures, equipment, and improvements necessary for the progress of the work and operations performed on the leased premises, and the Lessee is hereby given the right by the Lessor, and it is specifically understood that the Lessee may put and establish whatever equipment, fixtures, and improvements, including buildings, that it desires or deems necessary upon the leased property, and the title to the said fixtures, equipment, and improvements shall remain in the Lessee; and, at the termination of this lease, or at any time before termination, the said Lessee may remove from the property any portion, or all of such equipment, fixtures, and improvements belonging to it.

V. LESSEE TO MAINTAIN ALL FIXTURES, EQUIPMENT, AND IMPROVEMENTS

The Lessee agrees to maintain such fixtures, equipment, and improvements as it shall use upon the leased property.

VI. LESSOR MAY BE PRESENT AT CLEANUPS

It is understood and agreed by and between the parties that the Lessor may be present and have access to the leased property at such times as he may desire in order to watch or inspect the cleanup processes.

VII. LESSOR PERMITTED TO POST NON-LIABILITY NOTICES

The Lessee agrees to allow the Lessor to keep posted on the leased premises, as provided by law, at all times during the continuance of this lease, notices of non-liability of the Lessor of said property for indebtedness incurred while said property is held under this lease.

VIII. LEASE SUBJECT TO FEDERAL GOVERNMENT EXPLORATION PROJECT CONTRACT

It is specifically understood and agreed by and between the parties to this lease that the said lease is subject to the terms of, and the existence of an Exploration Project Contract by and between the United States and the Lessee; and that should such Exploration Project Contract not be granted by the United States to the said Lessee, then, at the option of the Lessee, the terms of this lease shall be null and void, and neither party shall be liable to the other party hereunder.

IX. LESSEE TO NOTIFY LESSOR OF ABANDONMENT OF LEASE

If it should become necessary for the Lessee to abandon this lease for reasons so stated in the preceding paragraph, then the Lessee agrees to so notify the Leasor of his abandonment in writing.

X. LEASE TERMS BINDING UPON WHOM

This lease shall be binding not only upon the parties hereto, but also upon their heirs, legal representatives, executors, administrators, and assigns.

IN WITNESS WHEREOF these presents are executed in triplicate this 26 day of June 1952.

Witnesses to Execution for Lessor:

James H. von der Heydt

Colleen Brown

Mel Gallipp

Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson

Authorized Director,
Lessee.

Witnesses to Execution for Lessee:

Charles E. Abbott

Lois M. Anderson

LEASE

THIS LEASE, made and executed in triplicate on the 26th day of June 1952, by and between Del Jolliffe, of Nome, Alaska, party of the first part, hereinafter called the Lessor, and ERICKSON PLACERS, INCORPORATED, a corporation doing business in, and incorporated under the laws of the Territory of Alaska, the party of the second part, hereinafter called the Lessee:

WITNESSETH:

That the said Lessor, for and in consideration of the royalties, covenants, and agreements herein reserved, and by the Lessee to be kept, paid, and performed, has let, and by these presents does lease unto the said Lessee, the following named mining property, situate and located in the Cape Nome Precinct, Second Division, Territory of Alaska, and specifically named as follows: Byron Association Placer Mining Claim, Nom e 0762, Patent Number 1016621, designated as Survey Number 1035, described as follows: Beginning at corner No. 1 a fir post four inches square, 3 feet long, marked 1B-1035, bears south 56 degrees 46 minutes east 2374-8/10 feet distant; thence, 1st course north 39 degrees 57 minutes west 1320 ft. to corner No. 2, a fir post 4 in. square, thence 2nd course, north 51 degrees 55 minutes east 5253 feet to corner No. 3, a fir post 4 inches square; thence 3rd course south 39 degrees 57 minutes east 1320 feet to corner No. 4, a schist stone 24x10x6 inches; thence 4th course, south 51 degrees50 minutes west 5253 feet to corner no. 1, the place of beginning, the premises herein granted containing 159 acres and 96-thousandths of an acre.

TO HAVE AND TO HOLD unto the said Lessee for a period of Ten (10) Years from the date of this lease, unless sooner determined, and subject to the provisions hereinafter stated in this lease.

An option to lease for an additional period of Ten (10) Years is hereby granted to the Lessee, to be exercised by the Lessee giving written notice to the Lessor, not less than ninety (90) days prior to the expiration date of this lease, of intention to exercise such option, and only after the Lessee has fully performed the other conditions of this lease.

AND, in consideration of this said lease, the Lessee does covenant and agree with the Lessor as follows:

I. ROYALTY TO BE PAID TO LESSOR:

The Lessee agrees to pay to the Lessor herein a royalty which will and shall be computed on a basis of Ten Percent (10%) of the gross output from production of all minerals, gold, and other precious metals recovered from the leased premises during the term of this lease.

II. LESSEE TO PERFORM AND RECORD ANNUAL ASSESSMENT WORK

Beginning with the assessment year 1952, the Lessee agrees to perform and record in the office of the Recorder for the Cape Nome Precinct, at Nome, Alaska, as required by the laws of the United States and the Territory of Alaska, the annual assessment work upon the claims herein leased.

III. PERFORMANCE OF WORK

It is agreed that the work shall be performed by the Lessee under its sole direction, control, and discretion; and the Lessee shall not be obligated by this lease to work the ground leased hereunder at any special or specific time within the period of the lease, or in any special or specific manner; except that the Lessee agrees, should exploration disclose values to justify further development, that full scale mining operations with not less than one (1) Erickson Placer Washing Plant, shall be initiated on the claims included within this lease, within the first ten (10) year period of said lease.

IV. FIXTURES, EQUIPMENT AND IMPROVEMENTS

The Lessee shall provide all fixtures, equipment, and improvements necessary for the progress of the work and operations performed on the leased premises, and the Lessee is hereby given the right by the Lessor, and it is specifically understood that the Lessee may put and establish whatever equipment, fixtures, and improvements, including buildings, that it desires or deems necessary upon the leased property, and the title to the said fixtures, equipment, and improvements shall remain in the Lessee; and, at the termination of this lease, or at any time before termination, the said Lessee may remove from the property any portion, or all of such equipment, fixtures, and improvements belonging to it.

V. LESSEE TO MAINTAIN ALL FIXTURES, EQUIPMENT, AND IMPROVEMENTS

The Lessee agrees to maintain such fixtures, equipment, and improvements as it shall use upon the leased property.

VI. LESSOR MAY BE PRESENT AT CLEANUPS

It is understood and agreed by and between the parties that the Lessor may be present and have access to the leased property at such times as he may desire in order to watch or inspect the cleanup processes.

VII. LESSOR PERMITTED TO POST NON-LIABILITY NOTICES

The Lessee agrees to allow the Lessor to keep posted on the leased premises, as provided by law, at all times during the continuance of this lease, notices of non-liability of the Lessor of said property for indebtedness incurred while said property is held under this lease.

VIII. LEASE SUBJECT TO FEDERAL GOVERNMENT EXPLORATION PROJECT CONTRACT

It is specifically understood and agreed by and between the parties to this lease that the said lease is subject to the terms of, and the existence of an Exploration Project Contract by and between the United States and the Lessee; and that should such Exploration Project Contract not be granted by the United States to the said Lessee, then, at the option of the Lessee, the terms of this lease shall be null and void, and neither party shall be liable to the other party hereunder.

IX. LESSEE TO NOTIFY LESSOR OF ABANDONMENT OF LEASE

If it should become necessary for the Lessee to abandon this lease for reasons so stated in the preceding paragraph, then the Lessee agrees to so notify the Leasor of his abandonment in writing.

X. LEASE TERMS BINDING UPON WHOM

This lease shall be binding not only upon the parties hereto, but also upon their heirs, legal representatives, executors, administrators, and assigns.

IN WITNESS WHEREOF these presents are executed in triplicate this 26 day of June 1952.

Witnesses to Execution for Lessor:

James H. von Der Heydt

Colleen Brown

Mel Golliffe
Lessor

ERICKSON PLACERS, INC.

BY: Walter A. Erickson
Authorized Director,
Lessee.

Witnesses to Execution for Lessee:

Charles E. Elliott

Lois M. Anderson

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~State of~~ Territory of Alaska, ~~County of~~ Cape Nome Pct. described as follows:1/

Bonita Association, consisting of eight claims on Bonita Creek; July Number One on Bonita Creek; July Number Two on Bonita Creek; August Number One on Bonita Creek; August Number Two on Bonita Creek; Eleanor Association, consisting of eight claims on Bonita Creek; Elizabeth Association, consisting of eight claims on right limit of Bonita Creek adjoining July and August Claims; Butt End Group, consisting of three claims on Ida Gulch.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ ERICKSON PLACERS, INC.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this _____ day of August, 1952.

_____ [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~State of~~ ~~Territory of Alaska~~, ~~County of~~ ~~Cape Nome Pct.~~, described as follows:1/

Bonita Association, consisting of eight claims on Bonita Creek; July Number One on Bonita Creek; July Number Two on Bonita Creek; August Number One on Bonita Creek; August Number Two on Bonita Creek; Eleanor Association, consisting of eight claims on Bonita Creek; Elizabeth Association, consisting of eight claims on right limit of Bonita Creek adjoining July and August Claims; Butt End Group, consisting of three claims on Ida Gulch.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ ERICKSON PLACERS, INC.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this _____ day of August, 1952.

_____ [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Territory of Alaska, Cordova Cape Yakataga Dist., described as follows:1/

Bonita Association, consisting of eight claims on Bonita Creek; July Number One on Bonita Creek; July Number Two on Bonita Creek; August Number One on Bonita Creek; August Number Two on Bonita Creek; Eleanor Association, consisting of eight claims on Bonita Creek; Elizabeth Association, consisting of eight claims on right limit of Bonita Creek adjoining July and August Claims; West End Group, consisting of three claims on Kin Welch.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ [illegible], Inc.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this _____ day of August, 1952.

_____ [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of _____, County of _____, described as follows:1/

_____

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/_____

_____

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this _____ day of _____, 195__.

_____ [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of _____, County of _____ described as follows:1/

_____

_____

_____

_____

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/_____

_____

_____

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this _____ day of _____, 195__.

_____ [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of _____, County of _____ described as follows:1/

_____

_____

_____

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/_____

_____

_____

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this _____ day of _____, 195__.

_____ [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

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(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~State of~~ Territory of Alaska, ~~County of~~ Cape Nome Pct. described as follows: 1/ Byron Association Placer Mining Claim, Nome 0762, Patent Number 1016621, designated as Survey Number 1835, described as follows: Beginning at corner number one ~~a fir post 4 inches square, three feet long marked 1B-1835, bears~~ South 56 degrees 46 minutes East 2374-8/10 feet distant; Thence first course North 39 degrees 57 minutes ~~West 1320 feet to corner Number 2, a fir post 4 inches square; thence 2nd course, north~~ 51 degrees 55 minutes east 5253 feet to corner number 3, a fir post 4 inches square, ~~thence 3rd course south 39 degrees 57 minutes east 1320 feet to corner number 4, a schist~~ stone 24x10x6 inches; thence 4th course south 51 degrees 58 minutes west 5253 feet to ~~corner No. 1, the place of beginning, premises containing 159 acres & 96/1000ths acre.~~ which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ ~~ERICKSON PLACERS, INC.~~

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 29 day of August, 1952.

Mel Jolliffe [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

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Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

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(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

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MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~State of~~ Territory of Alaska, ~~County of~~ Cape Nome Rct. described as follows: 1/ Byron Association Placer Mining Claim, Nome 0762, Patent Number 1016621, designated as Survey Number 1835, described as follows: Beginning at corner number one a fir post 4 inches square, three feet long marked 1B-1835, bears South 56 degrees 46 minutes East 2374-8/10 feet distant; Thence first course North 39 degrees 57 minutes West 1320 feet to corner Number 2, a fir post 4 inches square; thence 2nd course, north 51 degrees 55 minutes east 5253 feet to corner number 3, a fir post 4 inches square, thence 3rd course south 39 degrees 57 minutes east 1320 feet to corner number 4, a schist stone 24x10x6 inches; thence 4th course south 51 degrees 58 minutes west 5253 feet to corner No. 1, the place of beginning, premises containing 159 acres & 96/1000ths acre. which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ ~~ERICKSON PLACERS, INC.~~

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

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3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 29 day of August, 1952.

Mel Gulliffe [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

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RELEVANT CONTRACT PROVISIONS

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(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

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(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

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MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Territory of Alaska, County of Cape Nome Dist. described as follows:1/ Byron Association Placer Mining Claim, Mono 0760, Patent Number 1016621, designated as Survey Number 1035, described as follows: Beginning at corner number one a fir post 4 inches square, three feet long marked 1-1035, bears South 56 degrees 46 minutes East 2374-0/10 feet distant; thence first course North 39 degrees 57 minutes West 1320 feet to corner number 2, a fir post 4 inches square; thence 2nd course, North 51 degrees 55 minutes east 5253 feet to corner number 3, a fir post 4 inches square, thence 3rd course south 39 degrees 57 minutes east 1320 feet to corner number 4, a schist stone 24x12x6 inches; thence 4th course south 51 degrees 55 minutes west 5253 feet to corner No. 1, the place of beginning, provides containing 159 acres & 96/100ths acre. which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ [illegible], INC.

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WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

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Dated this 29 day of August, 1952.

Mel Jolliffe [Seal]

_____ [Seal]

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MF-203

OWNER'S CONSENT TO LIEN

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which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

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hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

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Dated this 29 day of _____, 195__.

Mel Golliffe [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of _____, County of _____, described as follows:1/ _____

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ _____

_____

_____

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 29 day of _____, 195__.

Mel Jolliffe [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal; until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of _____, County of _____, described as follows:1/

_____

_____

_____

_____

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/_____

_____

_____

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 29 day of _____, 195__.

Mel Yolliffe [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

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3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~State of~~ ~~Territory of Alaska~~, ~~County of~~ Cape Nome Pct, described as follows:1/

Claim number seven on Bangor Creek

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Erickson Placers Inc.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

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3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 7th day of October, 1952.

Fred L. Robson [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

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(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

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MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~State of~~ Territory of Alaska, ~~County of~~ Cape Nome Pct, described as follows:1/

Claim number seven on Bangor Creek

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Erickson Placers Inc.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 7th day of October, 1952

Fred J. Robson [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

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(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~State of~~ Territory of Alaska, ~~County of~~ Cape Nome Pct, described as follows:1/

Claim number seven on Bangor Creek

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Erickson Placers Inc.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

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3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 7th day of October, 1952.

Fred J. Rohm [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

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4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~xxxxxxx~~ Territory of Alaska, ~~xxxxxxx~~Cape Nome Pct, described as follows:1/

Claim number seven on Bangor Creek

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Erickson Placers Inc.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 7th day of October, 1952.

Fred J. Robinson [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~xxxxxxx~~ Territory of Alaska, ~~xxxxxxx~~ Cape Nome Pct. described as follows:1/

Claim number seven on Bangor Creek

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Erickson Placers Inc.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 7th day of October, 195 2.

Fred J. Robar [Seal]

_____ [Seal]

_____ [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

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MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the ~~xxxxxxxx~~ Territory of Alaska, ~~xxxxxxx~~ Cape Nome Pct. described as follows:1/

Claim Number Seven on Bangor Creek

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Erickson Placers Inc.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

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Dated this 7th day of October, 1952.

Fred J. Robin [Seal]

_____ [Seal]

_____ [Seal]

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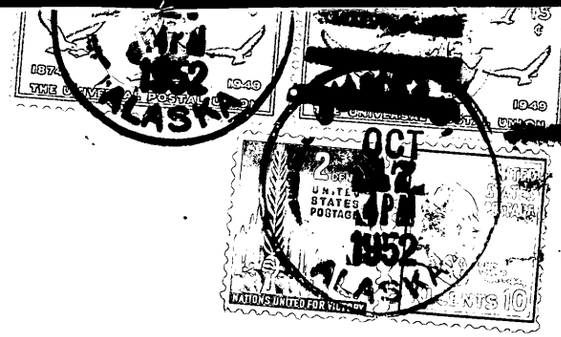
1 cy each of 3 maps
enclosed.

~~[illegible] Mines~~
~~[illegible]~~
~~[illegible] Alaska~~



~~Chairman, Operating Committee~~
~~Defense Minerals Exploration Administration~~
~~Department of the Interior~~
~~Interior Building~~
~~Washington 25, D. C.~~

Omea-2751

ERICKSON PLACERS, INC.

PLACER CLAIMS

ON

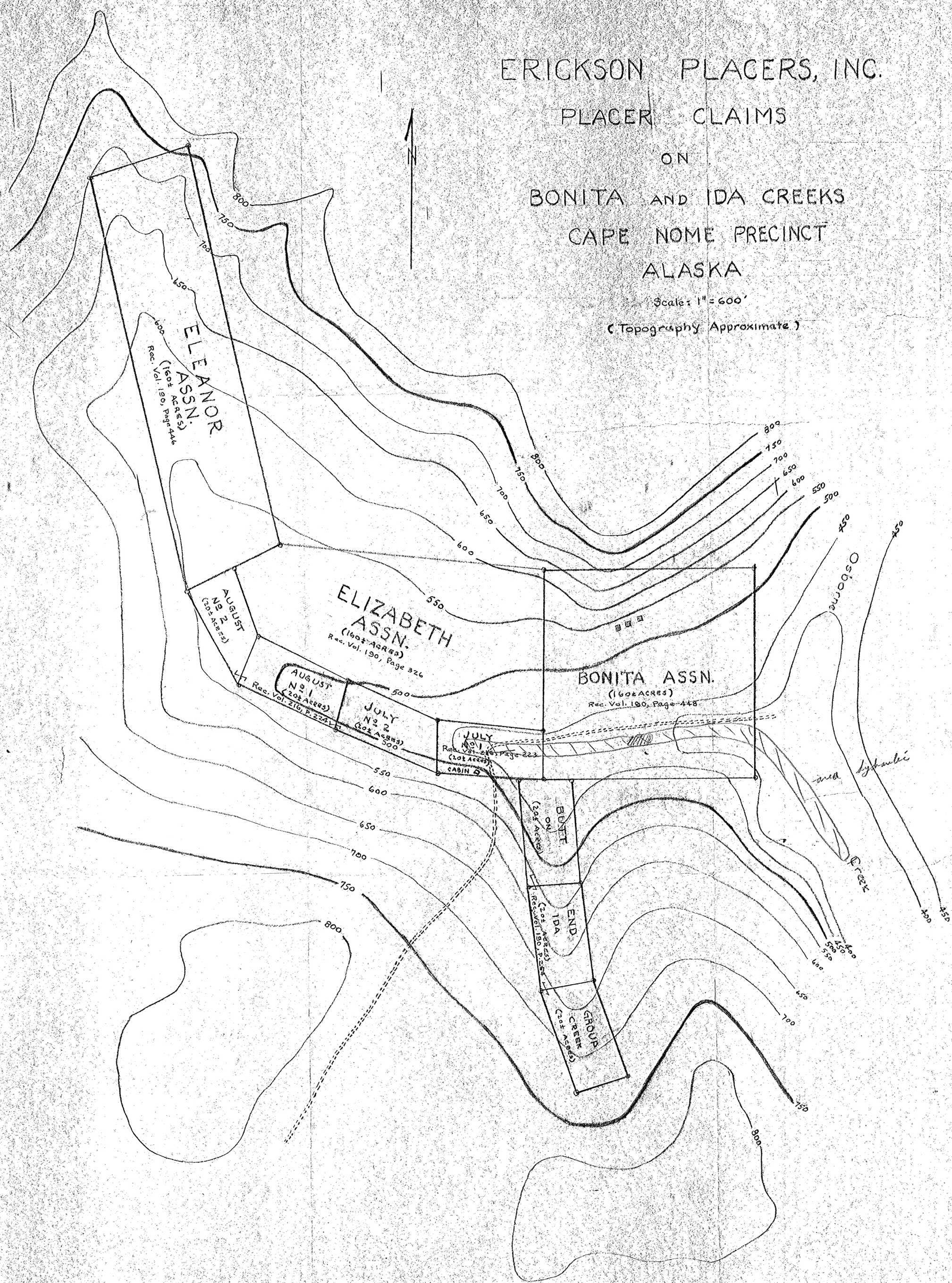
BONITA AND IDA CREEKS

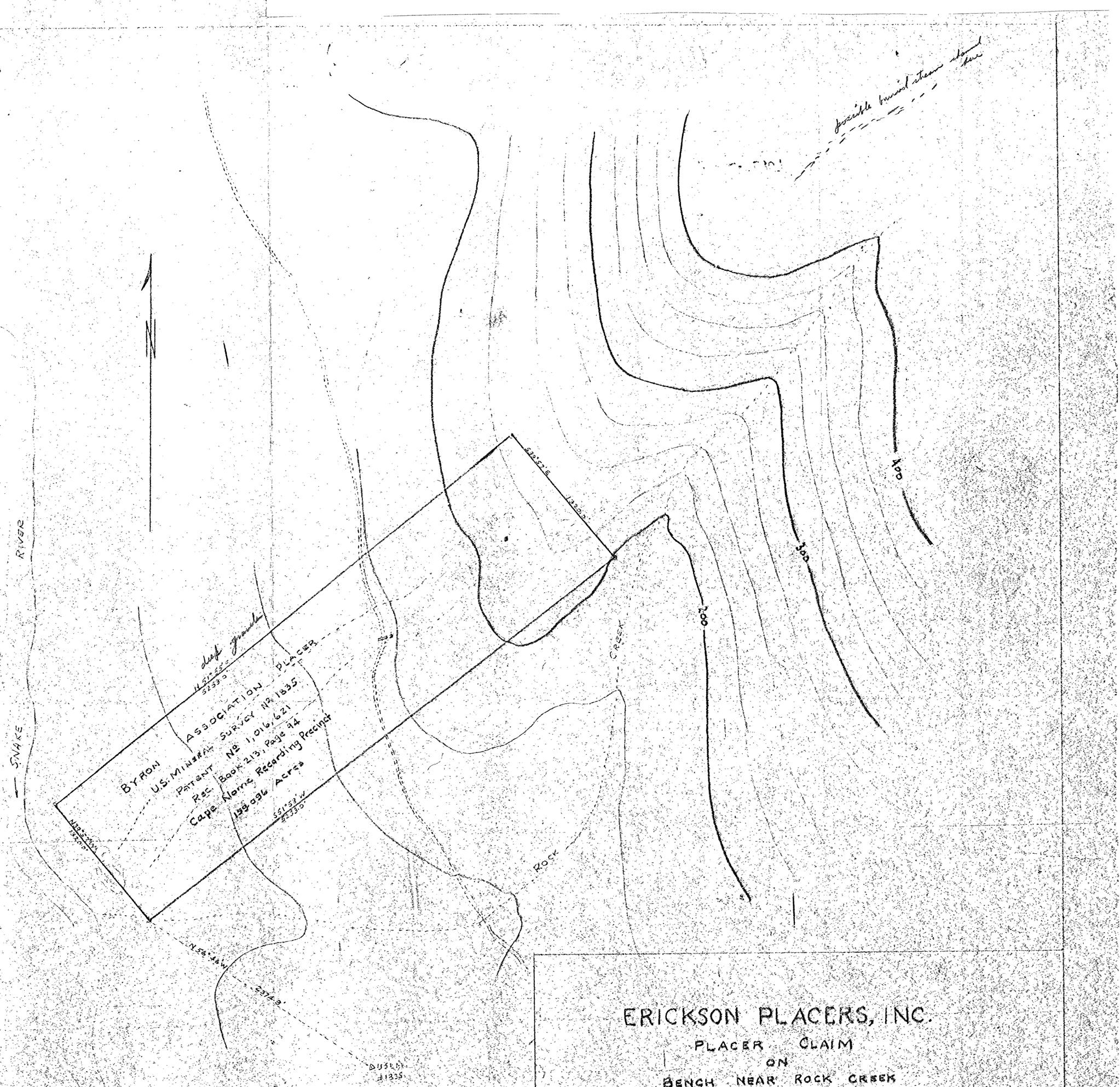
CAPE NOME PRECINCT

ALASKA

Scale: 1" = 600'

(Topography Approximate)





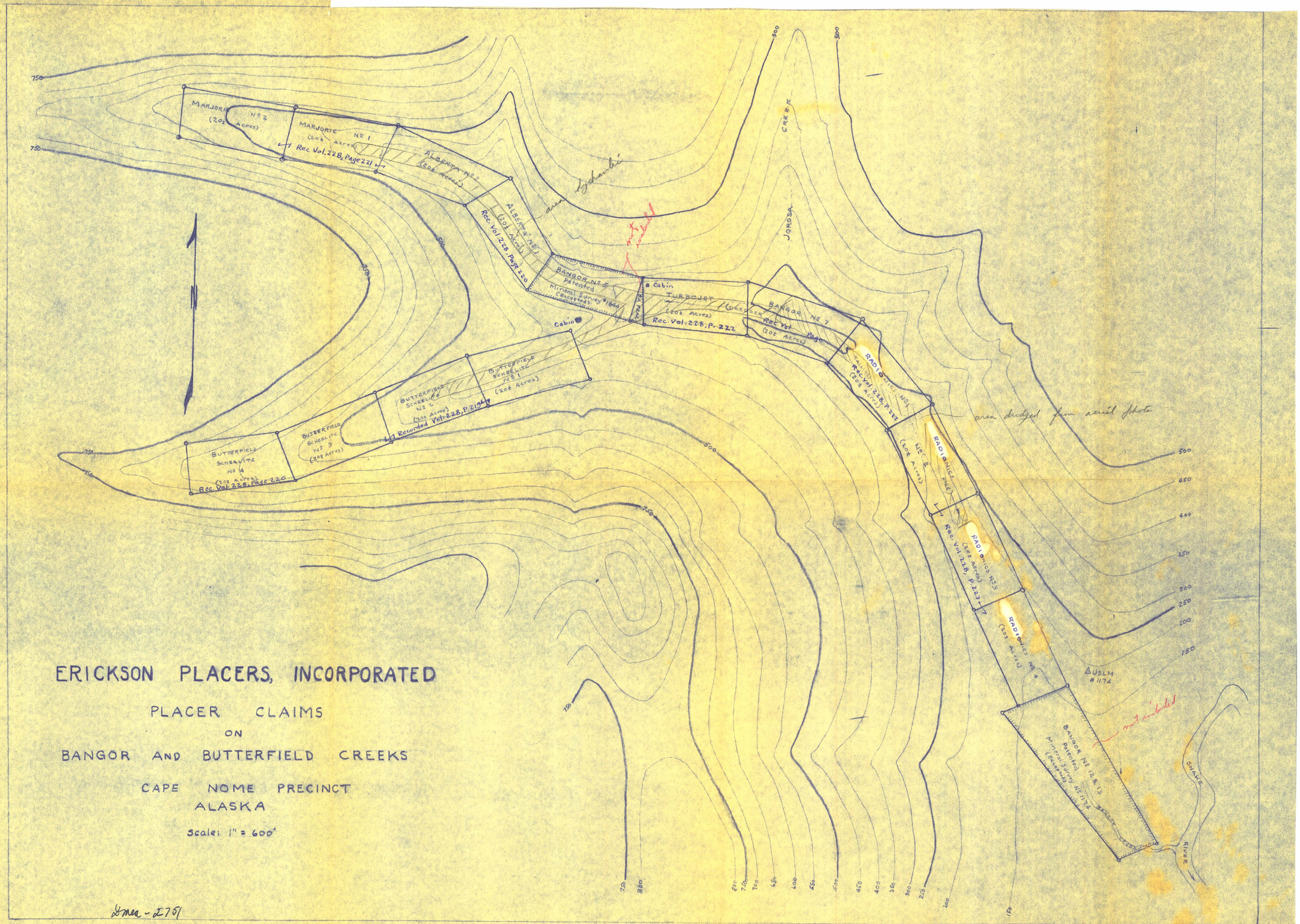
ERICKSON PLACERS, INC.

PLACER CLAIM
ON
BENCH NEAR ROCK CREEK
CAPE NOME RECORDING PRECINCT
ALASKA

Scale: 1" = 600'

Legend:
⊗ Samples with scheelite & gold showings.

Omea-2751



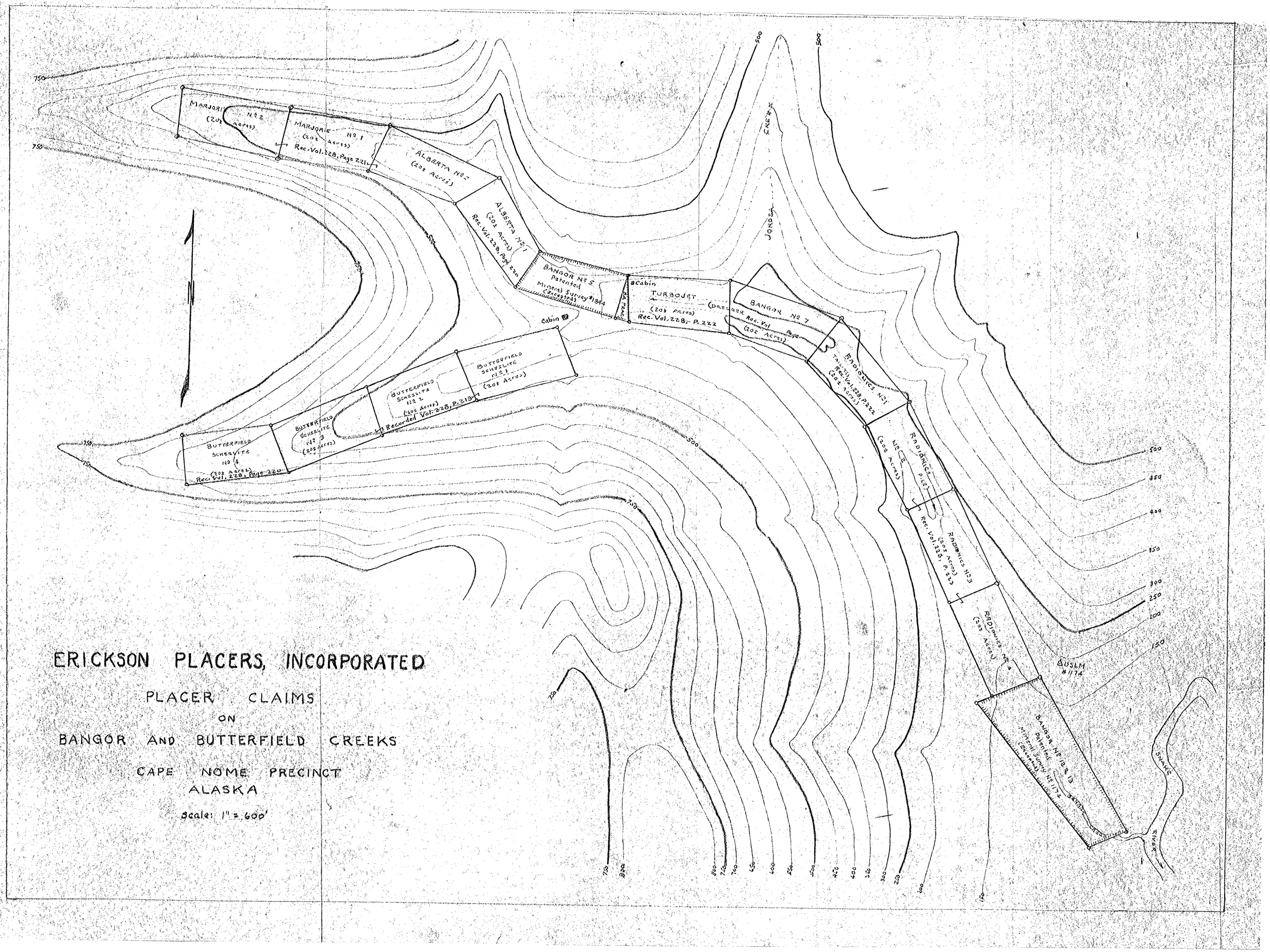
ERICKSON PLACERS, INCORPORATED

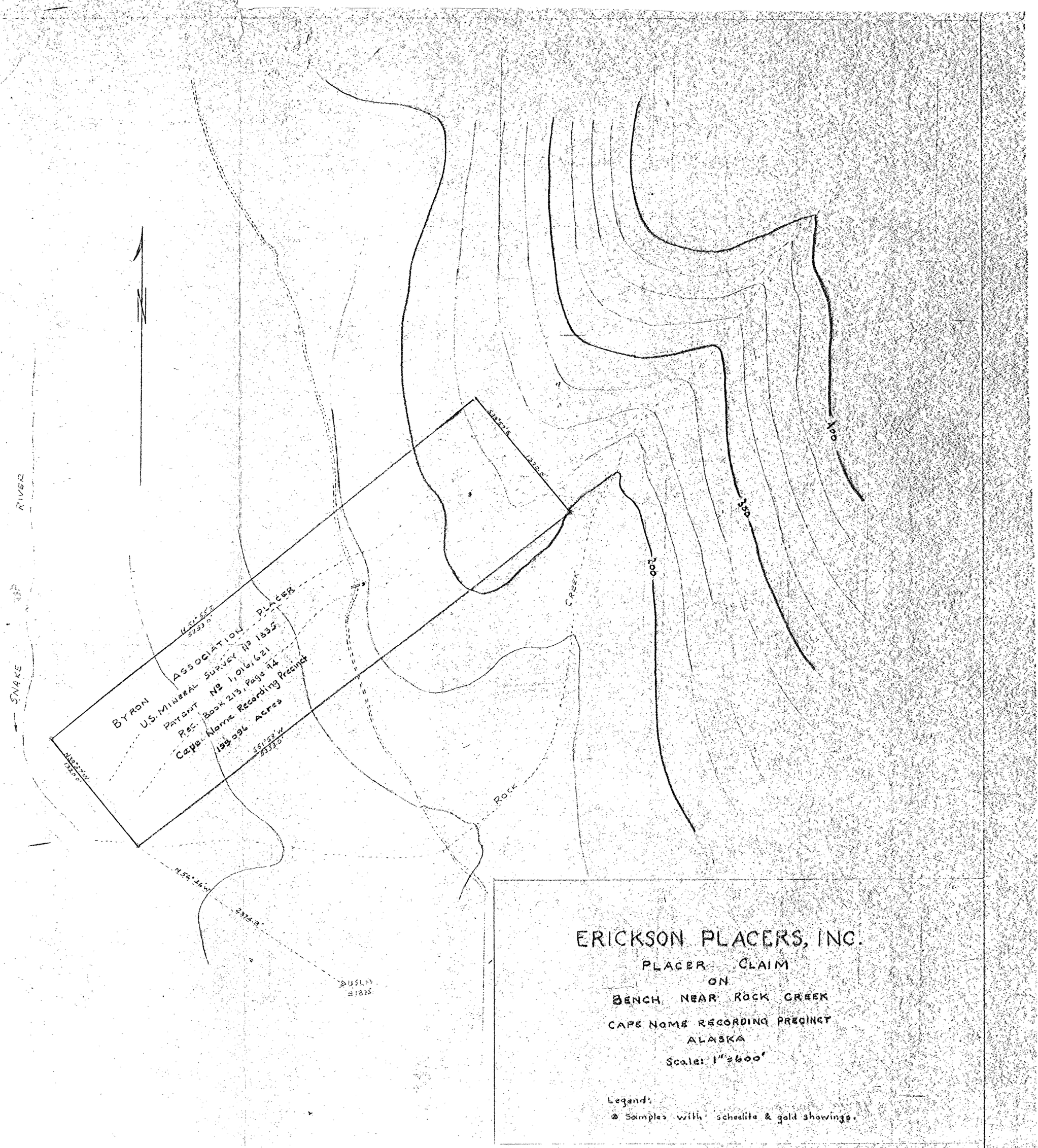
PLACER CLAIMS
ON
BANGOR AND BUTTERFIELD CREEKS

CAPE NOME PRECINCT
ALASKA

Scale: 1" = 600'

Dmea - 2751


ERICKSON PLACERS, INCORPORATED
PLACER CLAIMS
ON
BANGOR AND BUTTERFIELD CREEKS
CAPE NOME PRECINCT
ALASKA
Scale: 1" = 600'
MARJORIE No 2 (20± Acres)
MARJORIE No 1 (20± Acres) Rec. Vol. 228, Page 221
ALBERTA No 2 (20± Acres)
ALBERTA No 1 (20± Acres) Rec. Vol. 228, Page 220
BANGOR No 5 Patented Mineral Survey #1844 (Excepting 1 Acre)
Cabin
TURBOJET (20± Acres) Rec. Vol. 228, P. 222
BANGOR No 7 (20± Acres)
RADIONICS No 1 (20± Acres)
RADIONICS No 2 (20± Acres)
RADIONICS No 3 (20± Acres) Rec. Vol. 228, P. 223
RADIONICS No 4 (20± Acres)
BANGOR No 12 & 13 Patented Mineral Survey No 1174 (Excepting 1 Acre)
USLM #1174
BUTTERFIELD SCHEELITE No 1 (20± Acres)
BUTTERFIELD SCHEELITE No 2 (20± Acres) Recorded Vol. 228, P. 219
BUTTERFIELD SCHEELITE No 3 (20± Acres)
BUTTERFIELD SCHEELITE No 4 (20± Acres) Rec. Vol. 228, Page 220
SNAKE RIVER
750
500
450
400
350
300
250
200
150

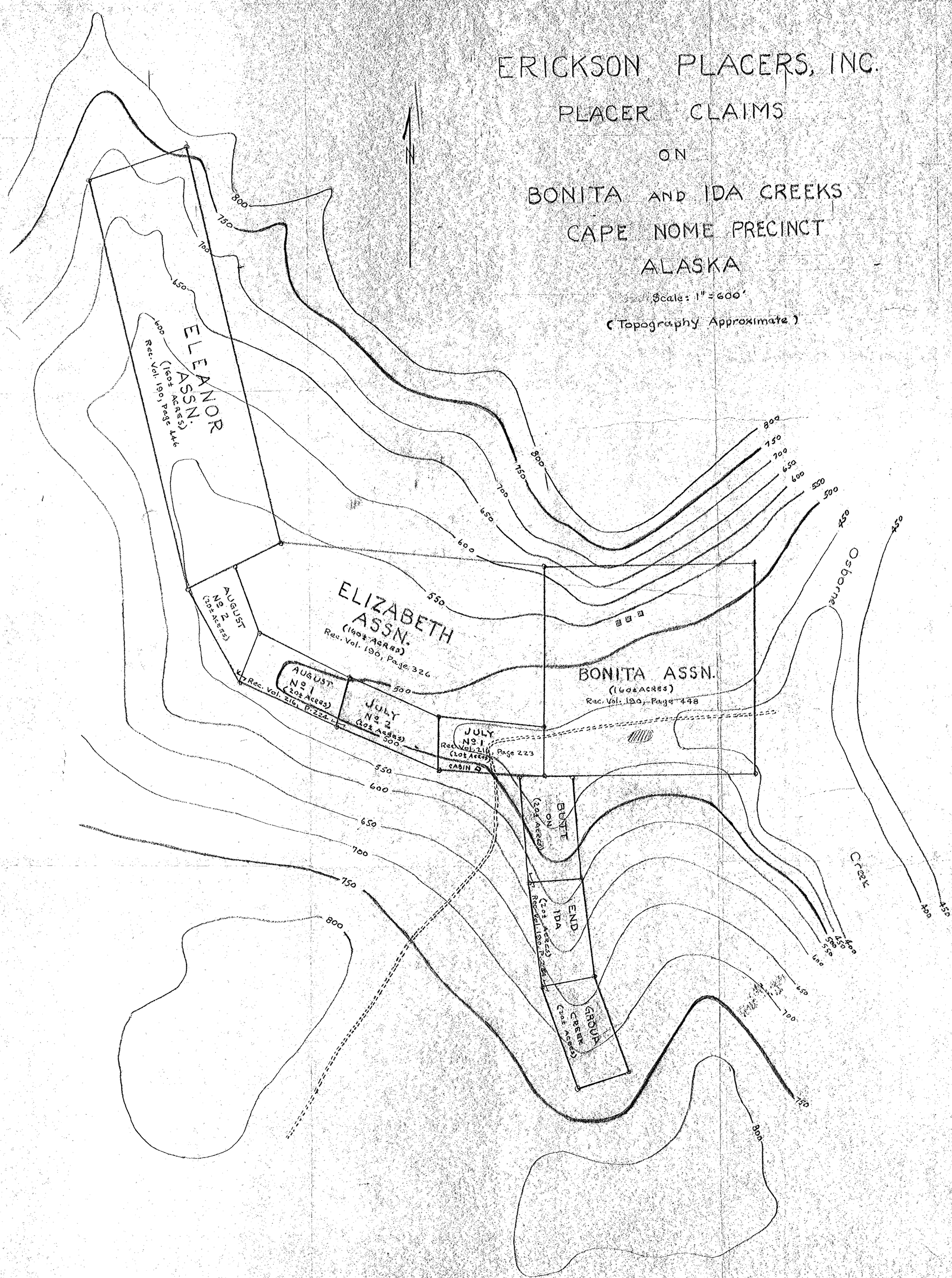


ERICKSON PLACERS, INC.

PLACER CLAIM
ON
BENCH NEAR ROCK CREEK
CAPE NOME RECORDING PRECINCT
ALASKA

Scale: 1" = 600'

Legend:
⊗ Samples with scheelite & gold showings.


ERICKSON PLACERS, INC.
PLACER CLAIMS
ON
BONITA AND IDA CREEKS
CAPE NOME PRECINCT
ALASKA
Scale: 1" = 600'
(Topography Approximate)
N
ELEANOR ASSN.
(160± ACRES)
Rec. Vol. 190, Page 446
ELIZABETH ASSN.
(160± ACRES)
Rec. Vol. 190, Page 326
BONITA ASSN.
(160± ACRES)
Rec. Vol. 190, Page 448
AUGUST No 2
(20± ACRES)
AUGUST No 1
(20± ACRES)
Rec. Vol. 216, P. 224
JULY No 2
(20± ACRES)
JULY No 1
Rec. Vol. 216, Page 223
(20± ACRES)
CABIN
BUNT ON
(20± ACRES)
END IDA
(20± ACRES)
Rec. Vol. 190 P. 284
GROUP CREEK
(20± ACRES)
Osborne
Creek
800
750
700
650
600
550
500
450
400