



STATE OF ALASKA
Department of Natural Resources

Division of Geological Survey
MINES BULLETIN



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College, Alaska 99701

Published to Accelerate the Development of the Mining Industry in Alaska
William A. Egan - Governor Charles F. Herbert - Commissioner
William C. Fackler - Assistant Commissioner for Minerals

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UNDERWATER MINING

An Institute on Underwater Mining will be held Thursday and Friday, April 27-28 in the Dept. of Engineering at the downtown campus of the University of Wisconsin, 600 West Kilbourn, Milwaukee. It will involve the latest developments in new exploration methods, assessment of new discoveries and in-depth reports on several current production operations. Unpublished data and records will be presented by industry speakers, including a report by R. D. Carnes, of the Alaska Barite Company, entitled: "Underwater Barite Mining in Southeast Alaska."

The only known underwater open pit in hard rock is the barite mine near Petersburg, Alaska. There has also been an intensive exploration program in the offshore area near Nome.

Interest in the Underwater Mining Institute, sponsored by the Federal Sea-Grant Program, parallels increased offshore exploration. \$1,200,000 was spent for offshore exploration in 1971 in Alaska.

BLM ENGINEERS TO PLOT VALID MINING CLAIMS AS AID TO NATIVE GROUPS

Several additional mining engineers from the U. S. Bureau of Land Management will be working in Alaska after July 1st to determine the existence of valid mining claims in areas where the native villages or corporations will select their land. Other prior rights such as homesteads, homesites, trade sites, etc., will also be investigated by resource specialists.

"We are interested in plotting the locations of valid claims," said a BLM official, "for the benefit of the claimholders as well as the Natives. Our engineers will also be available to aid in the identification of mineral land, but their primary function will be to locate existing claims so the Native corporations will know which land areas are still available."

Officials emphasized that persons with valid claims will not lose their rights to the land, and that patented mining claims will not be affected by the Native Land Claims Settlement.

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NEW OPEN-FILE RELEASES

The reports listed below have been released by the U. S. Geological Survey in open file. Copies may be purchased from: Mineral Resources Branch, USGS, 345 Middlefield Rd., Menlo Park, California 94025.

The reports are also available for inspection only at Alaska Geological Survey offices and at the following locations:

ANCHORAGE - USGS, 108 Skyline Bldg., 508 2nd Avenue
FAIRBANKS - USGS, 402 Brooks Bldg., U. of Alaska, College
JUNEAU - USGS, 441 Federal Bldg.
KETCHIKAN - Alaska Geological Survey, Rm. 312, 306 Main St.

1. Chukchi Sea Seismic Reflection and Magnetic Profiles, 1971, between northern Alaska and Herald Island, by Arthur Grantz, W. F. Hanna, & S. L. Wallace; 38 sheets seismic profiles, 2 sheets magnetic profiles, 2 location maps and index map of data 1969-1971. Entire report available only from USGS, Menlo Park. Alaska offices have index map only.
2. Role of Mineral Resources in Country Development, by John Van N. Door, II; 19 p., 1 table. Available only from USGS, Menlo Park.
3. Placer Deposits of Alaska, by Edward H. Cobb; 132 p., 1 pl., 55 figs. A limited number of copies available free of charge from technical data unit at Menlo Park.
4. Reconnaissance geologic map of the Nabesna A-4 quadrangle, Alaska, by Donald H. Richter; scale 1:63,360, explanation, cross-section (1 sheet).
5. Reconnaissance geologic map of the Nome C-3 quadrangle, Seward Peninsula, Alaska, by C. L. Sainsbury, Travis Hudson, Rodney Ewing, and William R. Marsh; scale 1:63,360, 9 p., 1 pl.

CHANDALAR GOLD MINE

SPECTACULAR GOLD FIND

(Taken from an article in
The Mining Record. 3/3/72)

Carling Copper Mines, located near Jellicoe, Ontario, reports a spectacular discovery. A drill hole intersected ore at 55 feet assaying 16.69 ounces gold and 7.32 ounces silver across 2.3 feet, according to W. Plexman, Carling's president.

The ore occurs in calcite in a silicious fragmental quartz-diorite in contact with a soft sheared and altered dacite.

(Taken from an article in
The Spokane Chronicle, 3/16/72)

Chandalar Gold Mining and Milling Co., a limited partnership, was recently acquired by Little Squaw Gold Mining Co. Chandalar's assets include a mill with a capacity of 100 tons of ore daily.

Little Squaw was incorporated in 1959 by Grandview mines, Inc. and Metaline Mining and Leasing Co., both of Spokane, Washington, and headed by Karl W. Jasper, president of Little Squaw.

Frank E. Birch organized Chandalar Gold, and completed the mill in 1970, but on May 13, 1971 he was killed when his airplane crashed on the property.

MEMORANDUM

TO : SAC, [illegible]

FROM : [illegible]

SUBJECT: [illegible]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

Very truly yours,

[illegible text]

[illegible text]

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LIST OF ALASKA MINING CLAIMS FILED
IN DISTRICT RECORDING OFFICES, DECEMBER-FEBRUARY

<u>Number of</u> <u>Claims</u>	<u>Creek or Area</u>	<u>Quadrangle</u>	<u>Date Notice</u> <u>Posted on Claim</u>
3	Ningyoyak Creek	Ambler River	September 1971
12	Knik River	Anchorage	Sept. & Dec. 1971
29	North and South Campbell Creek	Anchorage	November 1971
4	Willow River	Anchorage	October 1971
2	Craigie Creek	Anchorage	September 1971
3	Hunter Creek	Anchorage	September 1971
1	Pinnell River	Bendeleben	September 1971
2	Mastadon Fork	Circle	August 1971
12	Lawson Creek	Circle	October 1971
3	Pleasant Creek	Circle	August 1971
3	Barney Creek	Circle	August 1971
3	Harrison Creek	Circle	December 1971
1	Deadwood Creek	Circle	August 1971
17	Mount Andrew	Craig	October 1971
100	My & Our Creeks	Eagle	August 1971
1	King Solomon Creek	Eagle	September 1971
14	Rex Creek	Fairbanks	November 1971
6	Monte Cristo Creek	Fairbanks	August 1971
3	Fox Creek	Fairbanks	November 1971
5	Pearl Creek	Fairbanks	August 1971
18	Ester Dome	Fairbanks	August 1971
1	Emma Creek	Fairbanks	October 1971
10	Valdez Creek	Healy	September 1971
6	Colorado Creek	Healy	September 1971
59	Ohio Creek	Healy	August 1971
1	Long Creek	Healy	August 1971
2	Coal Creek	Healy	August 1971
4	Nowater Creek	Healy	August 1971
17	W. Fork Chulitna	Healy	August 1971
16	Nehenta Bay	Ketchikan	October 1971
74	Gravina Island	Ketchikan	September 1971
1	Solo Creek	Livengood	October 1971
1	Alder Creek	Livengood	August 1971
1	Livengood Creek	Livengood	December 1971
30	Nikolai Creek	McCarthy	September 1971
18	Chitistone River	McCarthy	September 1971
1	Clear Stream	McCarthy	November 1971

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LIST OF MINING CLAIMS (CONTINUED)

<u>Number of Claims</u>	<u>Creek or Area</u>	<u>Quadrangle</u>	<u>Date Notice Posted on Claim</u>
7	Windy Fork	McGrath	September 1971
2	Alder Creek	McGrath	October 1971
31	Moore Creek	McGrath	August 1971
11	Eagle Creek	Medfra	August 1971
316	Delta River	Mt. Hayes	January 1972
5	Eagle Creek	Mt. Hayes	September 1971
10	Spruce Creek	Mt. McKinley	August 1971
3	Glen Creek	Mt. McKinley	September 1971
1	Eureka Creek	Mt. McKinley	September 1971
24	Big Eldorado Creek	Nabesna	September 1971
4	Ahtell Creek	Nabesna	November 1971
13	Ungalik River	Norton Bay	September 1971
3	Anvil Creek	Ophir	September 1971
2	Dodge Creek	Ophir	September 1971
3	Ophir Creek	Ophir	September 1971
2	Innoko River	Ophir	November 1971
22	Wind River	Philip Smith Mountains	September 1971
8	Chandalar River Middle Fork	Philip Smith Mountains	September 1971
1	Chandalar River North Fork	Philip Smith Mountains	August 1971
20	Cobalt Creek	Russian Mission	September 1971
1	Resurrection Creek	Seward	June 1971
6	Kelsall River	Skagway	November 1971
16	Chilkat River	Skagway	December 1971
6	Kuskokwim River	Sleetmute	September 1971
14	Juningulra Mountain	Sleetmute	September 1971
8	Fortyseven Creek	Sleetmute	September 1971
282	Bunco Creek	Talkeetna	Sept. & Oct. 1971
2	Windy Creek	Talkeetna	September 1971
2	Colorado Creek	Talkeetna	September 1971
10	Iron Creek	Talkeetna Mtns.	October 1971
1	Grizzly Creek	Talkeetna Mtns.	November 1971
1	Moose Horn Creek	Talkeetna Mtns.	November 1971
1	Chunilna Creek	Talkeetna Mtns.	October 1971
2	Tozitna River	Tanana	October 1971
7	Boulder Creek	Teller	November 1971
5	Cape Creek	Teller	November 1971
2	Goodwin Creek	Teller	November 1971
148	Lowie River	Valdez	November 1971
4	Smith Creek	Wiseman	September 1971

Once each year, we must call for "pink slips" from our readers who wish to continue receiving the Mines Bulletin. Please check the box below, fold on the dotted lines, seal and return this page to us by June 1, 1972. If your address is incorrect, or if you are a new subscriber, fill in the form below.

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FIELD INVESTIGATION
 IS THE FIRST STEP IN
 RESOURCE DEVELOPMENT

State of Alaska
 Department of Natural Resources
 DIVISION OF GEOLOGICAL SURVEY
 P. O. Box 80007
 College, Alaska 99701



METAL MARKET

Metals	March 27, 1972	Month Ago	Year Ago
Antimony ore, stu equivalent European ore	\$7.03-8.16	\$8.64-10.00	\$11.34-14.06
Barite (drilling mud grade per ton)	\$18-22	\$18-22	\$17-20
Beryllium powder, 98%, per lb.	\$54-66	\$54-56	\$54-56
Chrome ore per long ton	\$25-27	\$25-27	\$25-55
Copper per lb.	52.57¢	52.5¢	50.3¢
Gold per oz.	\$48.67	\$48.94	\$39.17
Lead per lb.	15.5¢	14.5¢	13.5¢
Mercury per 76# flask	\$186	\$212	\$325-300
Molybdenum conc. per lb.	\$1.72	\$1.72	\$1.72
Nickel per lb.	\$1.33	\$1.33	\$1.33
Platinum per oz.	\$110-120	\$102-105	\$102-125
Silver, New York, per oz.	154¢	148.42¢	170.9¢
Tin per lb.	178.2¢	171.6¢	169¢
Titanium ore per ton (Ilmenite)	\$30-35	\$30-35	\$30-35
Tungsten per unit	\$55.00	\$55.00	\$55.00
Zinc per lb.	17.0¢	17.0¢	15.0¢