



STATE OF ALASKA
Department of Natural Resources

Division of Mines & Geology
MINES BULLETIN

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STATE OF ALASKA
DIVISION OF
GEOLOGICAL SURVEY

Vol. XVIII

SEPTEMBER 1970

No. 9

P. O. Box 5-300

College, Alaska 99701

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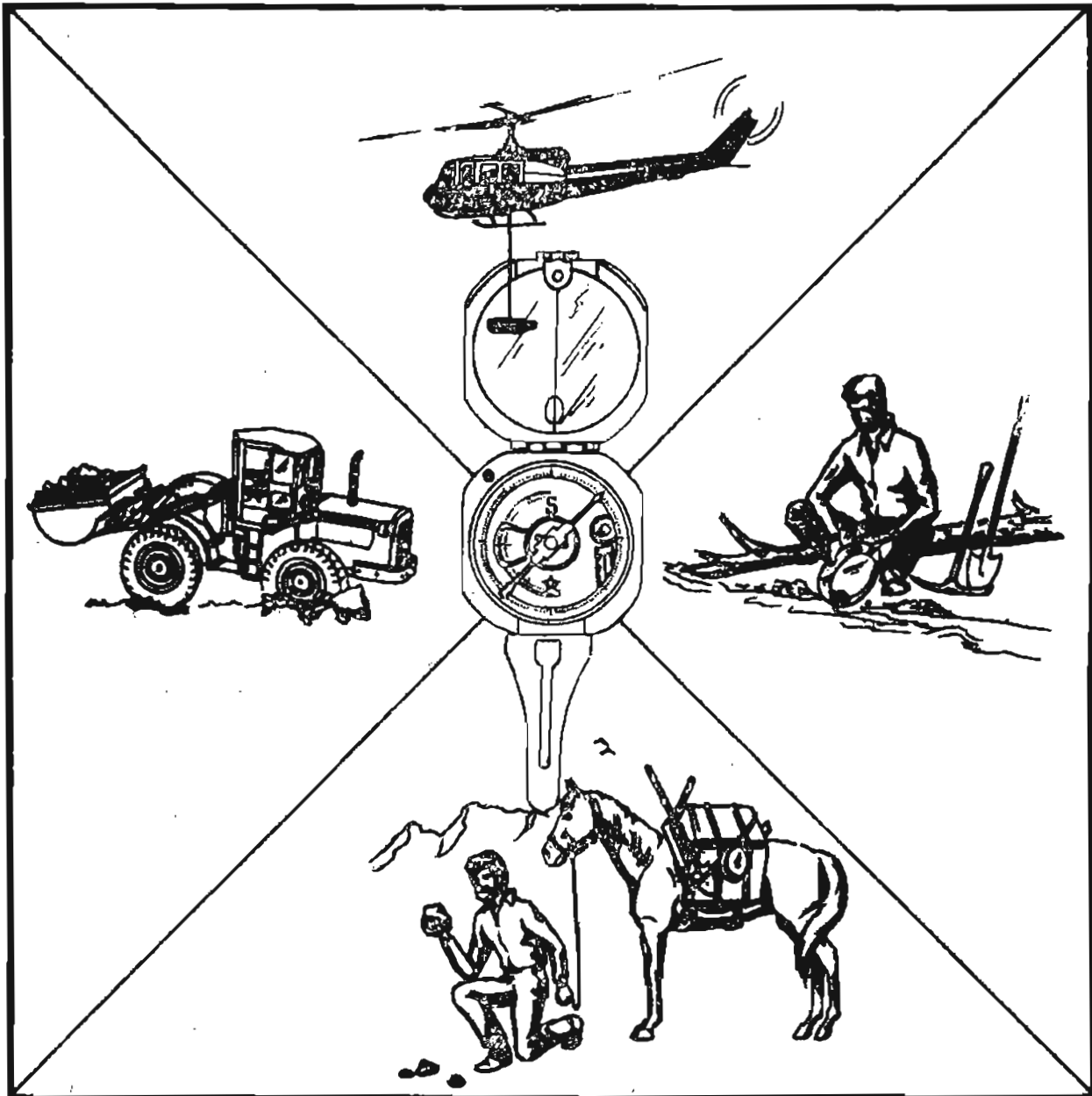
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Published to Accelerate the Development of the Mining Industry in Alaska
Keith H. Miller - Governor

Thomas E. Kelly - Commissioner

James A. Williams - Director

MITSUI IN ALASKA

Mitsui and Company, Ltd., the worlds largest trading firm, has formed an Alaska Development team. This team is to be a technically oriented body formed to analyze Alaska's potential and to make recommendations to company directors on investment opportunities. Personnel on the team represent various company departments such as iron and steel, nonferrous, machinery, chemical, foodstuffs, petroleum, coal, lumber, general merchandise, rubber traffic and insurance, and administrative.

The company reports that the first project of the team will be to study Alaska's potential developments in natural resources such as coking coal, copper ore, and other nonferrous metals.

MINERAL INFORMATION OFFICES

The Division of Mines and Geology presently maintains two mineral information offices in addition to the main office in College. These offices maintain records of all mining claims within the state. Also available for consultation at each of the offices are all USGS bulletins, professional papers, circulars, and open file reports pertaining to Alaska, along with USBM Alaska reports and Division reports. The Division geologic and geochemical reports in print may be purchase for \$1.00 each at any of the offices.

The Anchorage office has recently moved from Porcupine Avenue to the Division of Lands office located at 323 East 4th Avenue. The Juneau office is located in Room 509 Goldstein Building. All offices are open from 8:00 A.M. to 4:30 P.M. Monday thru Friday.

Soon to be opening will be a mineral information office in Ketchikan. Space was recently obtained for this office and equipment is presently being acquired. This office will have available all the publications listed above along with mining claim records for all of Alaska below 57°N latitude. The exact opening date and location will be printed in future bulletins.

NEW DIVISION DESIGNATION

The 1970 State Legislature passed Chapter 125 which states that the Commissioner of Natural Resources shall be responsible for the Division of Geological Survey established under his Department. The head of the Division shall be called the State Geologist.

An additional Division will not be created. The present Division of Mines and Geology will be changed in name and otherwise to conform to the new law. Commissioner Thomas E. Kelly and the Division are presently occupied in planning for the change as required.

NEW PUBLICATIONS

USGS

The following open file reports have been released by the U. S. Geological Survey and are available for consultation in the Alaska U.S.G.S. and State Division of Mines and Geology offices. Material from which copies of these open file reports can be made at private expense is available only at the Alaska Geology Branch, U.S.G.S., 345 Middlefield Road, Menlo Park, California 94025.

Chukchi Sea seismic reflection and magnetic profiles 1969, between northern Alaska and international date line, by Arthur Grantz, W. F. Hanna, and S. C. Wolf. Maps (2 sheets), 1 sheet magnetic profiles, 25 sheets seismic profiles.

Analyses of rock and stream-sediment samples from the Taylor Mountains A-6 and southern part of Taylor Mountains B-6 quadrangles, Alaska, by Allen L. Clark, W. H. Condon, J. M. Hoare, and Dennis H. Sorg. 94 p., including 87 tabular material; 1 pl., scale 1:63,360.

Analyses of rock and stream-sediment samples from the northern part of the Taylor Mountains B-6 quadrangle, Alaska, by Allen L. Clark, W. H. Condon, J. M. Hoare, and Dennis H. Sorg. 89 p., including 82 p. tabular material; 1 pl., scale 1:63,360.

Analyses of rock and stream-sediment samples from the Taylor Mountains C-8 quadrangle, Alaska, by Allen L. Clark, W. H. Condon, J. M. Hoare, and Dennis H. Sorg. 110 p., including 102 p. tabular material; 1 pl., scale 1:63,360.

Progress map, geology of the Sadlerochit and Shublik Mountains, Mt. Michelson C-1, C-2, C-3 and C-4 quadrangles, Alaska, by H. N. Reiser, J. T. Dutro, Jr., W. P. Brosge, A. K. Armstrong, and R. L. Detterman. 4 maps, scale 1:63,360; 1 explanation (5 sheets, total).

MINING CLAIMS

<u>NUMBER OF CLAIMS</u>	<u>CREEK OR AREA</u>	<u>QUADRANGLE</u>	<u>DATE NOTICE POSTED</u>
4	Sec. 8, T17N, R3E, SM	Anchorage	July, 1970
2	No. Grub Creek	Big Delta	July, 1970
2	Tenderfoot Creek	Big Delta	May, 1970
2	Bradfield Canal	Bradfield Canal	July, 1970
4	Placer Creek	Candle	May, 1970
56	Horace Mountain	Chandalar	June, 1970
5	Independence Creek	Circle	July, 1970
2	Summer Creek	Circle	July, 1970
1	Sourdough Creek	Circle	July, 1970
1	Birch Creek	Circle	July, 1970
32	Noyes Island	Craig	July, 1970
8	Kasaan Bay	Craig	May, 1970
86	East of Bokan Mountain	Dixon Entrance	May, 1970
33	Our & My Creeks	Eagle	July, 1970
2	Dry Gulch	Eagle	June, 1970
4	Nugget Creek	Eagle	June, 1970
3	Fortymile River	Eagle	July, 1970
1	Camp & Brophy Creek	Eagle	May, 1970
2	Copper Creek	Eagle	July, 1970
1	Fox Creek	Fairbanks	June, 1970
11	Goldstream Creek	Fairbanks	July, 1970
1	Ester Dome	Fairbanks	July, 1970
2	Flume Creek	Fairbanks	July, 1970
1	Hill Creek	Fairbanks	July, 1970
2	Tanana River	Fairbanks	June, 1970
2	Eva Creek	Fairbanks	July, 1970
2	Antimony Creek	Healy	June, 1970
2	Tanana River	Kantishna River	July, 1970
5	Cleveland Peninsula	Ketchikan	May, 1970
16	Styx River & Jimmy Lake	Lime Hills	June, 1970

NUMBER OF CLAIMS	CREEK OR AREA	QUADRANGLE	DATE NOTICE POSTED
1	Cleary Creek	Livengood	July, 1970
1	Juniper Creek	Livengood	July, 1970
4	Wildcat Creek	Livengood	August, 1970
1	Chatanika River	Livengood	July, 1970
3	Dome Creek	Livengood	July, 1970
1	Dan Creek	McCarthy	July, 1970
3	Jumbo Peak	Medfra	May, 1970
1	Falls Creek	Mt. Hayes	May, 1970
92	Bond Creek	Nabesna	June, 1970
2	Nabesna Glacier	Nabesna	July, 1970
4	Gold Run, Shamrock & Bonanza Cr.	Nabesna	July, 1970
4	Kivalina River	Noatak	April, 1970
1	Dickens Creek	Nome	July, 1970
2	Bear Mountain	Sitka	July, 1970
2	Glacier Creek	Skagway	July, 1970
8	McKinley Creek	Skagway	July, 1970
184	McCord & Big Creek	Tanacross	June, 1970
60	Mosquito Mountain	Tanacross	June-July, 1970
2	Baker Creek	Tanana	June, 1970
2	Deep Creek	Tanana	May, 1970
5	Eureka Creek	Tanana	June, 1970
2	Hiline Lake	Tyonek	July, 1970

MARKET NOTES

The Division has received numerous inquiries concerning sources of market prices quoted in the Bulletin. Listed below are explanations of the prices quoted. These prices are obtained from Metals Week, a weekly publication by the New York based McGraw-Hill Co., printers of Engineering and Mining Journal. Suggestions on ways to improve our listings would be appreciated.

Antimony stu
Barite

Short ton unit, equivalent, European ore
Drilling and mud grade from monthly E & M J.
Requests have been received to quote an Alaska price for barite but a dependable monthly quote is lacking at this time.

Beryllium
Chrome ore long ton

Powder, 98%, carload lots
Rhodesian nominal prices effective 1/5/67; U.S. importation prohibited since then. Price is 48-5% Cr₂O₃. 3 or 3 1/2 - 1 ration, lump.

Copper per lb.

Weekly average of domestic refined copper

Gold per oz.

U.S. Englehard buying price

Lead per lb.

Weekly average of New York price

Mercury per flask

New York price

Molybdenum conc. per lb.

Lb. Mo cont. 95% MoS₂ F.O.B., mine or mill,

Climax price quote

Nickel per lb.

U. S. cathode price

Platinum per oz.

F.O.B. refinery

Silver, New York, per oz.

Prices are for .999 fineness and reflect worldwide sales reduced to New York equivalent

Tin per lb.

Weekly average of New York Straits

Titanium ore per ton

Ilmenite, domestic 60% st., F.O.B. Florida

Tungsten per unit

Ore, 65% min. scheelite

Zinc per lb.

Weekly average of delivered price

METAL MARKET

September 1

Month Ago

Year Ago

Antimony ore, stu equivalent
European ore

\$22.32-24.11

\$28.57-31.25

\$9.29-9.46

Barite (drilling mud grade
per ton)

\$12-16

\$12-16

\$12-16

Beryllium powder 98% per ton

\$54-66

\$54-66

\$54-66

Chrome ore per long ton

\$31-35

\$31-35

\$31-35

Copper per lb.

59.6¢

59.6¢

48.1¢

Gold per oz.

\$35.90

\$35.55

\$41.29

Lead per lb.

15.0¢

15.5¢

15.5¢

Mercury per 76# flask

\$338-355

\$410-420

\$487-495

Molybdenum conc. per lb.

\$1.72

\$1.72

\$1.72

Nickel per lb.

\$1.28

\$1.28

\$1.03

Platinum per oz.

\$130-135

\$130-135

\$120-125

Silver, New York, per oz.

184.8¢

172.1¢

166.7¢

Tin per lb.

177.7¢

165.25¢

165.3¢

Titanium ore per ton

\$30-35

\$30-35

\$20-21

Tungsten per unit

\$50-55

\$50-55

\$43.00

Zinc per lb.

15.5¢

16.0¢

15.0¢

