#### STATE OF ALASKA Department of Natural Resources

# Division of Geological Survey

### PROPERTY OF STATE OF A EOLOGICAL URVEY



No.

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P.O. Box 5-300

College, Alaska 99701

GEOLOGICAL SURVEY BUDGET

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NEW OPEN FILE RELEASE

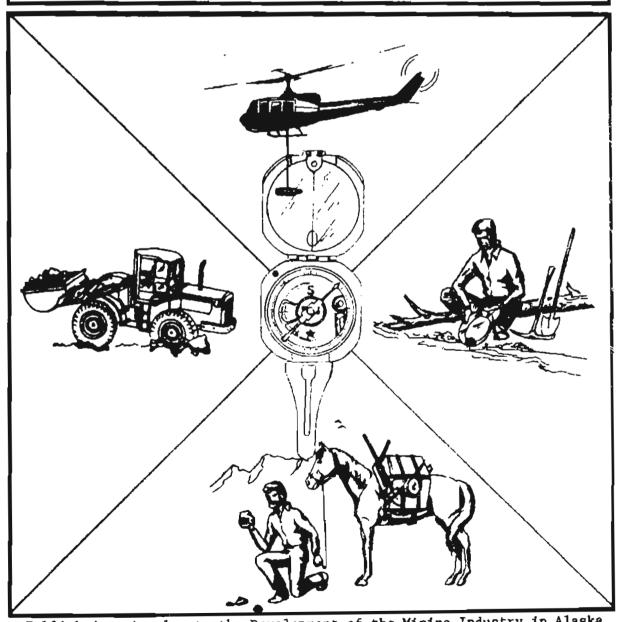
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Published to Accelerate the Development of the Mining Industry in Alaska William A. Egan - Governor

Charles F. Herbert - Commissioner

James A. Williams - Director



#### T. Children B. GEOLOGICAL SURVEY BUDGET AIMED AT ATTACKING RESOURCE, TOUTHER ST HISTOR LAW IS ENVIRONMENTAL PROBLEMS TAL

To include the test and amages of the problem of a large and a second of the contract of the c The fiscal year 1972 budget estimate for the U.S. Geological Survey, Department of the Interior; amounts to \$121,207,000 - a gross increase of \$9.857,000 over the current fiscal year, itswas amounced today.

the microsoft marketic than the transfer of the "The proposed budgety" said Dr. William T. Pecora, USGS Director, "is simed at providing a balanced program of mapping plinvestigations, and inventorying of the land, mineral, and water resources of the United States, and supervision of mineral leases on public and Indian lands and the Outer Continental Shelf."

"Strong emphasis," Pecora said, "will begplaced on obtaining the kind of earth science knowledge that can provide a foundation for coping with burgeoning problems that reflect the dilemma of our times - the need, on one hand, for vast amounts of natural resources, while, at the same time, the need to avoid environmental degradation." dr. o bear La Landy Brown

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. I . Arable a C. Jet. C. . Highlights of programs included in the proposed 1972 Geological Survey budget:

TOTAL TOR COTEDNIA Topographic Mappings as budget; of \$22,869,000 is proposed - an increase of \$1.8 million. The increase will provide; an additional 3,500 square miles of topographic mapping at the standardiscale of 1:24,000 (2,000 feet to the inch). About \$150,000 of the increase will be used for continued development and operation of the National Cartographic Information Center; begun in 1971, to provide a more complete service 📖 of dissemination of cartographic data; The topographic map is a key tool for water resource management; mineral resource dawestigatdons; land use inventories, planning and development of transportation and communication systems, and many other programs. the result of the second of the closest of the

Geologic and Mineral Resource Studies of Proposed budget; \$31,161,000. This includes an increase of \$200,000 for earthquake research, and \$500,000 for geologic surveys, primarily, of publications, and for reconnaissance geologic mapping of the continental shelves. Geological maps are three-dimensional maps that are critical to appraisal of the mineral resource potentials. Geologic maps also provide fundamental background for a variety of other National needs such as engineering and land-use planning, cearthquake hazard identification; waste disposal and pollution studies, and ecological investigations.

An expanded earthquake hazards, program, will aid in reduction of potential losses from quakes, and will include research on basic causes which can lead to more effective means of reducing losses. The program will include geologic surveys of high-risk areas, seismological and soils engineering investigations of ground motion and failure, assistance in land-use planning and pre-disaster, emergency planning, and geophysical monitoring and geologic analysis of earthquake, faults. Costan Congress be beauty and obligation company to him or

### TIMBER AND MINING ACTIVITIES ON NATIONAL FOREST LANDS

The Subcommittee on Public Lands of the Senate Interior Committee will hold hearings in late February or sometime in April on timber and mining activities on national forest lands. The Forest Service is preparing proposed regulations that would impact pose controls on mineral activities in the national forests, but it is expected that the hearings will be held before the Forest Service publishes these regulations. A definite date for the hearings will be set soon a store

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#### ORGANIC ACT

It is reported that Senator Henry M. Jackson, Chairman of the Senate Interior Committee, has prepared a bill which provides for an Organic Act for the Bureau of Land Management, (BLM) to manage permanently the public domain and for an all-leasing system on federal land which would, in effect, repeal the 1872 mining law permitting location of claims on public land; permit BLM to have authority to do recreation development on the public domain where needed, particularly on the Colorado River and some of its tributaries; provide authority to acquire rights—of—way, build new cities and set aside some natural areas for scientific study on public lands; modify and extend the BLM Classification and Multiple Use Act and Public Sales Acts of 1964, both of which expired on December 31, 1970.

#### MINERALS LAWS GUIDE UPDATED .

From the New Mexico Miner- A concise, updated guide to the mining and petroleum laws of thirty western hemisphere countries and colonies has just been published by the Department of the Interior's Bureau of Mines and placed on sale at the Government Printing Office. The 159-page volume is the first in a five-part series that will cover the mineral laws of all nations. The complete series will update a 1961 Bureau publication and is expected to be particularly useful to government officials, businessmen, students, and others interested in mineral development throughout the world. For each country listed, the series identifies and summarizes the laws or statutes governing mineral acquisition and names the controlling administrative agency. Where pertinent, historical and administrative background is included. For countries where mineral jurisdiction rests with states or provinces, these areas are considered separately from the central government. This first volume covers all significant legislation applicable to minerals in most countries of the western hemisphere. Author of the compilation is Northcutt Ely, a private attorney and leading authority in the field of international minerals legislation. He worked closely with the Bureau of Mines, the Pan American Union, and representatives of more than twenty countries in compiling and condensing the extensive legal literature to which the volume is a reference. Bureau of Mines Information Circular 8482 is titled "Summary of Mining and Petroleum Laws of the World (In Five Parts) :- 1. Western Hemisphere". Copies may be purchased at \$1.25 each from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. Orders should specify the title and GPO Catalogue No. 128.27:8482. The publication is not sold by the Bureau of Mines.

#### PUBLIC ASSAY POLICY STATEMENT

The State of Alaska Division of Geological Survey provides a public assaying service. Its function is to support prospectors and stimulating discoveries. It is not the intent of the function to support exploration, drilling, or production operations, particularly if a large number of samples is involved. Work on samples from any one person or property is done in the same chronological order as received. Geochemical analyses are not done.

It is not our intent to compete with private enterprise. A commercial laboratory exists in Anchorage as well as others in the lower 48 states and Canada which give good service on large numbers of samples, both ore-grade and geochemical.

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NOTE::No charge is made for assay or analysis of Alaskan ores, minerals, and rocks. Furthermore information received and assay results are kept confidential by the Division for a period of two years. They may then be cataloged or otherwise made available to the public.

We desire to give the same rapid service to those who must mail their samples to us as to those who can hand-carry their samples to the Laboratory. To accomplish this and give the fairest and best service we can within the intent of the law the following

policies must be adhered to by the prospector:

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1. 1. Fill out a request form for Assay or Identification. A sample form is included on page 6 of this bulletin. Supplies of this form will be sent on request.

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- 2. State what elements or minerals each sample is to be assayed for. Please do not say merely "assay for anything of value", or "a complete analysis": "Identifications are made when requested.
- 3. State any additional information that may be required by regulation which is considered beneficial to the general evaluation of the mineral resources of the the set of State. In the set
- 1 100 4. Each sample submitted should bear a number, letter, or some other identifying a mark, particularly when a number of samples are submitted together. Assay results are reported in accordance with these identifying marks.
  - 5. Samples should consist of pieces small enough to go into our 3-inch lab crusher. Samples requiring handbreaking by lab personnel are normally set aside until there are no other samples waiting for assay.
  - 6. Samples should be dry. The home baking oven is handy for this purpose. Drying samples in the lab takes up needed space and delays the work. Samples which are top wet for processing are set aside until dry before being placed in chronological order for work.
    - 7. Samples submitted without sufficient information on the location where they were taken will not be placed in chronological order for work until better information is submitted. ·. ·. j (

The type and quality of the analysis to be given any sample is at the discretion of the laboratory (lab.) Supervisor. Work on samples from one party or property is limited to a reasonable number of man-hours. After that, the remaining samples, together with any further samples from that person or property submitted in the meantime, are scheduled if for another like amount of work following all other samples waiting for work at that time.

एट पर The choice of the analyses depends on the quality of the sample and the problem at hand. It is usually wasteful to do detailed, precise analysis on "grab" samples or samples casually taken. Approximate results are sufficient for such samples. Only samples carefully taken and precisely located which are representative of a body of mineralization, or a series of samples designed to solve a particular problem, are considered for extensive quantative work.

Where it appears warranted, unless requested differently, samples are:

- THE BOOK PARTIES 1. Given a spectrographic analysis to determine if any base metals are present in significant emounts S 8. 8 POST OF THE PARTY OF THE
  - olimies We are 2. Assayed for precious metals if this appears warranted.

State of the Course all senoge of which 24 - 347 - 24 Assayed for such base metals as can be seen and are shown by the spectrograph to be significant.

All samples are checked for radioactivity with the Lab Counter. PLIAS A KN SCHE C V LIPER A

To accomplish able to Our lab personnel do not pan samples down except as a concentration method chosen by them for a specific analytical procedure. Anyone can pan and should not expect our Lab personnel to use up valuable time doing such work for them.

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CONTRACTOR SERVICE SECURITION OF THE PROPERTY OF THE PROPERTY

Lab personnel are not employed for consultation on prospecting, geology, marketing, and related matters, and their work should not be interrupted for such. Needed consulting is usually available from engineers and geologists of the Division of Geological Survey. When no engineer or geologist is available, the laboratory Supervisor provides consultation and calls on other Lab personnel if needed and available.

We have well-developed procedures for most analysis, but some elements are rarely called for or may require elaborate instrumentation for which we are not equipped. We do the best we can, consistent with sample quality. In cases where our laboratory is limited in its capability and the sample deserves more attention from another source, it is so indicated in the hab report. We are not equipped to assay quantitively for platinum.

Lab reports indicate estimated precision or accuracy of values reported in quantative analysis. assic " siec

Unused portions of samples are held for 60 days and sample pulps for six months, after which they are discarded. The submitter may claim the sample or pulps during these time intervals.

#### NEW OPEN FILE RELEASE de.

The U. S. Geological Survey is releasing in open file the following report, "Translation of 1964 Russian Correlations between Wrangel Island and Northern Alaska, by I. L. Tailleur. 13 pages, including 2 illustrations". Copies are available for inspection in the following locations: 111

#### U. S. Geological Survey Libraries

1033 GSA Bldg.

TUT SOSE. 578 - . 35°

Washington, D.C. 20242

Brooks Bldg. College, Alaska 99701

7638 Federal Bldg. Los Angeles, Calif. 90012 Bldg. 25

31

Federal Center

Denver, Colo. 80225

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Spokane, Washington 99201 distribution will be

108 Skyline Bldg.

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Anchorage, Alaska 99501

441 Federal Bldg. Juneau, Alaska 99801 524 103

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504 Custom House

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San Francisco, Calif. 94111

Training

1012 Federal Bldg. Denver, Colo. 80202

Menlo Park, Calif. 94025

State of Alaska Division of Geological Survey

509 Goldstein Bldg. 323 E. 4th Ave. University Ave. 99701 Juneau, Alaska 99801 Anchorage, Alaska 99504 College, Alaska

Material from which copy can be made at private expense is available in the Alaskan Mineral Resources Branch, USGS, 345 Middlefield Rd., Menlo Park, Calif., 94025.

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Number of Elaims	Creek or Area	Quadrangle	Date Notice Posted
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1	Kobuk Riven		December, 1970
2	Metal Creek		January, 1971
4	Knik River	Anchorage	November, January, 1970
61	LaTouche Island	Blying Sound	November, 1970
28	Banded Mountain	-	
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	Salmon River		September, 1970
and the second of the second o	Deadwood Creek	Circle	September, 1970
men 24	Virgin Bay	Cordova 10	September, 1970
15 r + 24 r 16	Omar Creek	Craig Janif	December, 1970
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	Glacier Creek	McCarthy	October, 1970
8	Dan Creek	McCarthy	October, 1970
	Dan Creek Slate Creek	Mt. McKinley	September, 1970
21	Horashoa Ban	Seward	June, 1970
	Canyon Creek	Carrand	Tanuary 1971
			September, October, 1970
24	Stony River	Sleetmute	September, October, 1970
2	Damundtali Lake	Tanacross	October, 1970
	Boulder Creek	Teller	November, 1970
1	Cape Creek	Teller	March , 1970 a 4
<b>3</b> (1)	Goodwin Creek	Teller	March, 1970
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3	Tiekel River	Valdez 125	October, 1970
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### SAMPLE PROSPECTORS ASSAY AND IDENTIFICATION FORM

N. ROA BOLICH FIRE 18 July 2 36 

Date Report Issued

11/2

State of Alaska
Department of Natural Resources DIVISION OF GEOLOGICAL SURVEY P. O. Box 5-300
College, Alaska 99701
REQUEST FOR ASSAY OR IDENTIFICATION

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Permanent							_
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Report No.\_\_\_\_ Lab Sample No.\_\_

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