

Public-data File 86-42

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS
MONTHLY REPORT FOR MARCH 1977

By

Staff

Alaska Division of
Geological and Geophysical Surveys

June 1986

THIS REPORT HAS NOT BEEN REVIEWED FOR
TECHNICAL CONTENT (EXCEPT AS NOTED IN
TEXT) OR FOR CONFORMITY TO THE
EDITORIAL STANDARDS OF DGGS.

794 University Avenue, Basement
Fairbanks, Alaska 99709

RESOURCE INVESTIGATIONS

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: March 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Gilbert R. Eakins *GRE*
Chief Mining Geologist

SUBJECT: Monthly report -
February 26 thru March 25, 1977

A. Consultations

I. State

Agency	Date	Topic	Results
1. Div. of Lands	3/2	Field programs.	Priorities set.
2. Budget analysts	3/2	DGGS functions.	Presented minerals programs.

II. Federal

1. ERDA	3/9	Discussed printing of report for ERDA.	ERDA will pay for extra copies.
2. Wayne Roberts (ERDA)	3/9	Discussed U exploration.	ERDA opening office in Anchorage.
3. Tom Miller (USGS)	3/10	Results of my work for ERDA.	Okayed his looking at report.
4. ERDA	3/23	Discussed possibility of doing U and Th for USBM.	Will let us know.
5. Jim Barker (USBM)	3/21	Discussed possibility of DGGS lab doing a large batch of U and Th assays.	

III. Other

1. News-Miner	2/25	Requested info on a property.	No help.
2. Ron Sheardown (Great Land Exploration)	3/18	Uranium and mineral exploration.	Advised on activity.
3. Earl Abbott (Urangelschaff)	3/18	Uranium exploration.	Discussed favorable areas.
4. Dr. Robert Forbes	3/21	Methods of doing U analyses.	
5. Staff meeting	3/21	Discussed 1979 budget.	Memo to Ross Schaff.

C. Research

1. Accomplishments

1. Review Gordon Herreid's report - needs much work.
2. Discussed Lake Clark project with Bundtzen and Gilbert. Wrote to get information on the area.
3. Reviewed and discussed Conwells report to Highways on the Fox area gold and highway change.
4. Discussed problems encountered doing field work on various types of lands with staff. Wrote memo requesting legal opinions.

D. Status of Reports

Discussed publishing Bibliography of Alaskan Geology with Cheri Carver.

E. Miscellaneous

1. Interview Jane Rogers for field assistant position.
2. Started inventory of equipment and field supplies.

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: March 25, 1977

FILE NO:

TELEPHONE NO:

FROM: John Dillon
Geologist

SUBJECT: Monthly report -
February 26 thru March 25, 1977

A. Consultations

<u>I. State</u>	<u>Agency</u>	<u>Date</u>	<u>Topic</u>	<u>Results</u>
	1. DGGGS		Field program for this summer.	Discussed lodging, field supplies, and transportation.
<u>II. Federal</u>				
	1. USGS	3/1	Maps of Brooks Range.	Obtained free copies of four 1:250,000 scale maps of quads in the Brooks Range.
	2. BLM	3/10	Regulations.	Obtained information O.C.S. on the new oil lease sale schedule.
	3. USGS	3/15	Brooks Range	Discussed logistics of Brooks Range field work. Obtained tentative commitment that the USGS will analyse stream sediment samples from the DGGGS project and provide some transportation for our geologist.
<u>III. Other</u>				
	1. MIRL	3/7	Brooks Range mineral deposits and state land selections.	Was briefed on the economic geology of the area and its relation to state and federal land policies.
	2. Milt Wiltse	2/27 & 3/17	Brooks Range mineral deposits.	Was briefed on the type and extent of deposits in Brooks Range. Discussed methods of evaluating large regions for state lands selection based on potential mineral reserves.
	3. John Carden (Geophysical Institute)	3/21	Brooks Range metamorphic petrology and geochronology.	Obtained his ideas on the state-of-the-art of these studies.

B. Conferences

- | | | |
|--------------------------------|--------------------------|--|
| 1. Three times weekly (1 hour) | Brooks Bldg.,
U of A. | Geotectonics of Alaska.
General information on Alaskan geology. |
| 2. Every Wednesday evening | Brooks Bldg.,
U of A. | Alaskan geology. |

C. Research

1. Accomplishments

1. Read numerous maps and reports on Brooks Range geology to prepare for this summers field work.
2. Prepared a report for publication on the Geology of Southeastern California.
3. Prepared a talk to be delivered at the Geological Society of America, Cordilleran Section meetings in April.

D. Status of reports and publications

1. Report - Gordon Herreids report on Geology of Prince of Wales Island, Reviewed March 15 to March 25 and returned to Tom Bundtzen. Needs more work. Advise that comments made by several reviewers are incorporated into the report and that it be retyped prior to review by Wyatt Gilbert.

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: April 7, 1977

FILE NO:

TELEPHONE NO:

FROM: Steve Hackett
Geophysicist

SUBJECT: Monthly Report:
March, 1977

A. Consultations

<u>Agency</u>	<u>Date</u>	<u>Topic</u>	<u>Results</u>
1. DNR (Budget Analysts)	3-2-77	DGGS programs	reviewed geophys. goal and purposes
2. DOL (Smith)	3-2	Field projects	outlined needs and problem areas
3. DGGS (Schaff)	3-4	Collaborative programs with USGS	outlined potential projects and needs
4. DGGS (Lyle, McGee)	3-17	Alaska Peninsula project	field schedule and geophysical objectives
5. U.S.G.S. (Cady)	3-21	Brooks Range Geophys.	coordination and schedule for completing joint project
6. DNR (Baxandall)	3-22	Computer	received assistance and outlined geophys. needs
7. U.S.G.S. (Berg)	3-29	Aeromagnetic contracts	discussed joint project in Brooks Range

B. Research

1. Brooks Range geophysical

- processed a portion of 1976 rock samples, inventoried aeromagnetic tapes and transported samples and tapes to Anchorage office.
- continued geophysical interpretation of Ambler River quadrangle.
- began reducing Siniktanneyak Mtn. gravity data.
- waiting on USGS (Barnes) to process 1975 and 1976 gravity data.
- began compiling and reviewing regional geol. and geophys. over southwestern-central Brooks Range.

2. Talkeetna-Kashwitna-Susitna geophysical

- need to integrate new and old gravity data and calculate SBA values.
- need to re-interpret geophys. maps as soon as data analysis is finalized.

3. N. Flank Alaska Range geophysical

- reducing 1976 field data.
- need to calculate SBA as soon as reduction process is completed.

4. Lower Cook Inlet-Tuxedni Bay geophysical

- need to calculate SBA, contour values, and start geologic interpretation.

5. Alaska Peninsula geophysical

- planning for 1977 field season.
- writing RFP 350W to expand geophysical capabilities in this region.

6. Geophysical computer project

- outlined tentative needs and time schedule for completion of specific programs
- working with Baxandall on X-Y-Z plotting and contouring programs
- hoping to get a terminal at 3001 Porcupine and obtain direct access to U of A. Anch Node.

C. Status of Reports and Publications

1. Geologic Report 49 --- due to be released in mid-April.
2. Aeromagnetic map of SW Brooks Range --- maps are printed and ready for release.
3. Ruby Ridge Geologic Report --- being finalized after going through review process.
4. Aeromagnetic Map of Ambler N. quadrangle --- needs to be drafted (USGS AMRAP format).
5. Talkeetna-Kashwitna geophysical Interp --- maps are in the process of being drafted before open-filing.

D. Miscellaneous

- received proton magnetometer base station. This new instrument will expand DGGG geophys. field capabilities to include regional as well as ground magnetic surveys.
- the leasing of two geodetic-type gravimeters for this coming field season would greatly increase our geophysical support for planned geologic investigations.

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: March 29, 1977

FILE NO:

TELEPHONE NO:

FROM: Mark Howland *mk*
Geological Assistant

SUBJECT: Monthly Report:
March 1 - March 25

A. Consultations

Agency

State

DNR

3-21-77

North Slope
Gravel Inventory

Plans for DGGS
field studies

Other

Collier Carbon
& Chemical Corp.

3-22-77

North Kenai
Groundwater

Funding of
monitoring system

C. Research

- Finished coding North Kenai ground water data with USGS.
- Completed geologic cross-sections through North Kenai in the vicinity of Collier Carbon and Chemical Corporation.
- Produced listing of pertinent well information in North Kenai: Thickness of aquifers and confining strata plus water levels.
- Reviewing pumping test techniques for evaluation of pumping test data in North Kenai in order to obtain aquifer characteristics for computer modeling.

D. Status of Reports

North Kenai Open-File: Awaiting Mylars (from Kenai Borough). Plan to make appropriately scaled base map for North Kenai to plot ground water data.

MEMORANDUM

State of Alaska

TO: R.G. Schaff
State Geologist

DATE: March 31, 1977

FILE NO:

TELEPHONE NO:

FROM: G.H. Pessel
Petroleum Geologist

SUBJECT: Monthly report, March

Conferences

Atlantic Richfield Co. Armand Spielman	March 2	furnish information of drilling history on NPR-4 and related references
U.S. Geological Survey Menlo Park	March 7-9	numerous conferences with various agencies within the USGS about cooperative programs with the DGGG.
Planning and Research Group DMEM--Hanson, Gilbreth, Green	March 18	discussion of geologic factors in land selections on North Slope
Alaska Geological Society Stratigraphic Committee	March 18, 21, and 24	final preparation of North Slope stratigraphic sections for publication
U.S. Geological Survey Chuck Mayfield	March 22	furnish land status maps for Ambler River quadrangle.

Publications

1. final preparation of map and text for publication in Short Notes volume
2. North Slope report release still indefinite

Miscellaneous

1. Preparation of logistics for Brooks Range project is now taking almost all of my spare time. Arrangements for a camp site, transportation, equipment, field assistant, etc. plus working out some sort of cooperation with the USGS who are working in the adjoining quadrangle.

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: March 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Richard D. Reger *RRR*
Geologist

SUBJECT: Monthly report -
February 26 thru March 23, 1977

A. I was involved in the following consultations during the period February 26 through March 23, 1977

1. (2/24) Talked with Joe Dygas, geologic oceanographer of OCS office, BLM, concerning gravel resources and sources of information for North Slope.
2. (2/28) Talked with Veronica Clark, Dept. of Community and Regional Affairs, re slope stability problems along east shore of Cook Inlet from Homer to Anchor Point.
3. (3/2) Met in Anchorage with Chuck Taylor and Jim Davis, budget analysts from Governor's Office concerning role of ADGGS in surficial geology and geologic hazards.
4. (3/2) Met with Mike Smith (ADL) to clarify requirements for this summer's field work.
5. (3/3) Discussed calculation and interpretation of slope indicator data with Eric Johnson (ADL).
6. (3/7) Talk with Larry Mayo (USGS) about glacial hazards along coast of Cook Inlet from English Bay to Kenai.
7. (3/8) Discuss role of geologist in land-use planning with Leonard Johnson (IAS-UAF).
8. (3/10) Talked with Doug Reger (ADP) re surficial geology map of Chugach State Park and availability of surplus scales for their lab.
9. (3/11) Discussed geologic hazards in Chugach State Park with Sandy Rabinowitz (ADP planning staff).
10. (3/15) Got call from Pete Bowers (Dept. of Anthropology, Washington State University) re age of ash bed near Windy in Nenana River Valley.
11. (3/16) Guest lecturer on "role of geologist in land-use planning" for land-use planning class (UAF).
12. (3/22) Discussed progress of ERTS Mosaic of Alaska with Katie Munson (UAF Geophysical Institute).
13. (3/24) Talked with Lawrence Onesti (University of Indiana) about slushflow avalanches in the Atigun Pass area of the central Brooks Range.

B. I conducted research on the following projects during the period February 26 through March 23, 1977:

1. Mapping surficial geology of southern Kenai Peninsula.

C. Status of reports and publications:

1. Continuing photointerpretation of southern Kenai Lowlands for DNR Planning and Research Section. Plan to finish in four weeks. Cheri Carver is drafting the slope map.
2. Still awaiting letter of authorization to reprint INQUA guidebook from Nebraska Academy of Sciences.
3. ERTS Mosaic of Alaska is assembled and is being photographed by the Geophysical Institute (UAF). It will be ready for pick up on March 29.

D. Miscellaneous:

1. Jeff Kline is in his last week of the Emergency Technician-Ambulance course and is doing very well.
2. Cheri has temporarily suspended progress on the volcanic hazards report to assist on the southern Kenai Lowlands report.
3. The preliminary copy of the Bibliography of Alaskan Geology has been received from Don Grybeck and has been given to Mildred Brown for final editing.

MEMORANDUM

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

State of Alaska

TO: Ross G. Schaff
State Geologist

DATE: March 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Thomas K. Bundtzen *TKB*
Mining Geologist

SUBJECT: Monthly report -
January 25 thru March 25, 1977

Major work accomplishments:

1. Completed thin section examinations of rocks from North Flank project.
2. Completed and sent samples of sulphide specimens for SIRA and lead isotopic use determinations.
3. In the process of completing research and writing of "Richardson District" paper for Short Notes volume - 1977.
4. Participated with planning team and public on "final draft" Delta Planning Team recommendations for action implementation.
5. Finished outline, plates, and preliminary draft of Alaska Range paper with Wyatt Gilbert. Took photomicrographs of thin sections and polished sections for the talk.
6. Continued the painful editing of Herreid's report and compilation of editing by Turner, Eakins, and Dillon. It has taken a lot of time.
7. Continued correspondence with Ross Schaff on public and industry reactions to new BLM mining regulations.
8. Continued monitoring activities of "Tongass Land Management Plan."
9. Nearly completed AOF-105 - the final geochemical release for Central Alaska Range geochemistry program.
10. Ordered airphotos for Bonanza Hills, E. Alaska Range, and Farewell project.

Correspondence with government agencies:

1. Discussed with Pat Senner, John Dunker (ADL) reactions of public to Delta Land Management plan. Gave them my recommendations.
2. Bob LaReashe (Governors Planning Office) about my role in the Tongass Plan. I've offered my limited services, but have not heard what the needs of the study are.
3. Brad Tuck (Land Use Planning Comm.) informing me when his report will go out and asked me additional questions about minerals.
4. Ernie Wolff (MIRL) water quality and placer mining studies.
5. Jim Barker (USBM) about claim locations in Lake Clark, McGrath quads.

Correspondence with citizens:

1. Bob Lovelass, placer miner, about results of samples on his claims.
Gil Monroe, placer miner, about results of samples on his claims.
Ed Smith, placer miner, about results of samples on his claims.
Earl Pilgrim, placer miner, about results of samples on his claims.
Ernie Mauer, mining history of Alaska Range.
Don Nicols (Getty Oil) concerning our role in releasing data to the public and future releases of data from Alaska Range.
Jim Kelly (Getty Oil) concerning our role in releasing data to the public and future releases of data from Alaska Range.
Norm Corner (RAA) concerning our role in releasing data to the public and future releases of data from Alaska Range.

Arlene Kline, citizen, Delta area about notes I took in public meeting in Delta.

Mike Carlson, citizen, Delta area about notes I took in public meeting in Delta.

Marie Fett, citizen, Delta area about notes I took in public meeting in Delta.

Pete Speed, citizen, Delta area about notes I took in public meeting in Delta.

MEMORANDUM

State of Alaska


DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: April 13, 1977

FILE NO:

TELEPHONE NO:

FROM: Mitch Henning 
Mining Geologist

SUBJECT: Monthly Report:
March - April 1

A. Consultations

1. Discussed Wrangell Mts. D-2 proposal with John Levorsen.
2. Discussed tin, tungsten mineralization in the Circle district with Jim Barker from Bureau of Mines.
3. Discussed the Talkeetna State Park proposal with Russ Cahill, and Div. of Parks needs for Geologic data.

B. Projects

1. Continued compiling literature and airphoto coverage for Alaska Peninsula project.
2. Finished base maps for Wolverine Complex project.
3. Started preparation of a proposal on fault delineation and analysis for earthquake hazards project.

MEMORANDUM

State of Alaska
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: April 14, 1977

FILE NO:

TELEPHONE NO:

FROM: Jim Riehle
Geological Engineer *JRR*

SUBJECT: Monthly Report
March 1977

A. Consultations

<u>Agency</u>	<u>Date</u>	<u>Topic</u>	<u>Results</u>
<u>Federal</u>			
1. BLM	3-15-77		Discussed pending USGS cruise to Kodiak Is., and potential DGGs involvement
2. USGS (Menlo Pk)			Several discussions with B. Molnia and P. Carlson re: upcoming USGS-DGGs field trip to Gulf and Sound
3. USGS (Anch.)	3-22		discussed beach placer potential in Pr. Wm. Sound with S. Nelson
<u>State</u>			
1. DNR Planners			Several meetings and discussions of draft Coastal Management Bill, for purposes of formulating DGGs response. Also, discussion of potential Coastal Zone funding
2. Parks	3-17		Discussed potential sites of development pressure in NEGOA and Pr. Wm. Sound

B. Conferences

Attended AGS Symposium (Anchorage), April 4-6, on "Plate Tectonics and Alaskan Resources"

C. Research

Air photo interpretation of eastern Pr. Wm. Sound and Bering Glacier to Icy Bay continuing (scale 1:63,360), in preparation for field trip with USGS. Accumulation of literature and field supplies completed for the field trip.

D. Status of Reports

1. Contributed to writing of USGS grant proposal.
2. Comments of draft Alaskan Coastal Management Program bill completed (DNR Planners).

PUBLICATIONS

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: March 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Frank Larson 
Publications Specialist

SUBJECT: Monthly report -
February 25 thru March 25, 1977

Publications progress for the month of March 1977 includes the following:

EDITORIAL:

- Attended budget meeting in Anchorage.
- Mailed ERDA report (Eakins) to customer.
- Submitted geologic report 49 (Hackett) for printing.
- Edited Conwell paper for Geological Association of Canada.
- Completed AOF-105 (Gilbert).
- Retrieved AOF files, mylars from Petroleum Publications.
- Edited Conwell individual report (highway right-of-way).

TYPING:

- Typed input for June Mines & Geology Bulletin
- Folded, stapled, addressed, and mailed March Mines & Geology Bulletin.
- Typed tables for AOF-105.
- Typed Conwell paper.
- Typed Conwell individual report.
- Typed miscellaneous tables, memos, and letters for both Resource Investigations staff and USBM.
- Filled file cabinet, brought up from lower office, with office supplies.
- Typed map legends on Composer.

CARTOGRAPHY (COLLEGE):

- Completed one overlay for geologic report 46 (Stout).
- Folded 850 blueines for ERDA report.
- Completed artwork for Conwell Individual report.
- Set up quadrangle-negative file.
- Lettered maps of Kenai lowlands (Reger).
- Worked on slides for Conwell paper.
- Continued drafting on Special Report 8 (Conwell).
- Worked on McKinley-area map (Gilbert).
- Miscellaneous linework, errands.

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

Monthly Work Report

Month of March 1977

	Fairbanks	*Anchorage	Juneau	Ketchikan	Total
1. Visitors	126	0	16	34	176
2. Annual reports	8	0	0	0	8
3. Miscellaneous papers	2	0	2	2	6
4. Miscellaneous publications	16	0	2	5	23
5. Requests for information received by mail	57	0	45	4	106
6. Requests for information received by phone	5	0	12	17	34
7. Rock samples	8	0	0	0	8
8. Bibliographies	6	0	1	0	7
9. Geologic & Geochem reports	67	0	31	1	99
10. Information circulars	219	0	33	14	266
1. Laboratory notes & reports	3	0	0	0	3
12. Aeromag maps	4	0	0	0	4
13. Special reports	5	0	0	0	5
14. Open file listing	0	0	0	0	0
15. Letters	0	0	0	0	0
16. Monthly Mines Bulletin	2,749	0	3	2	2,754
17. AOF's	0	0	0	0	0
18. Xeroxing (DGS.)	0	0	190	0	190
19.					
20.					

*There were no figures received from the Anchorage office

MINERAL LABORATORY

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross Schaff
State Geologist
Anchorage

DATE: March 25, 1977

FILE NO:

TELEPHONE NO:

SUBJECT: Progress Report for March 1977

FROM: Henry Potworowski *HP*
Minerals Lab Supervisor
College

1. Nam Veach's X-ray lab is scheduled to move on Monday, March 28. Wayne Random, a technician from Phillips Electronics, is coming in from Seattle and will supervise the installation of the unit at the Resources Building.
2. Several members of the minerals lab staff have inquired as to their qualifications for having their positions reclassified and/or up-graded. In order that proper recommendations be made a complete re-assessment of the lab functions within the context of present and future anticipated projects (FY78, FY79) will take place during April and May.
3. Have notified Don Turner that all future billing of the lab will not be approved by me as we are running out of funds.
4. Gil Eakins is now negotiating a possible funding by ERDA for the uranium and thorium analysis by the minerals lab of between 1500-2500 geological samples collected by the USGS in NE Alaska.
5. Dr. Naidu of the Institute of Marine Science (IMS), would like to enter into a contractual relationship with the minerals lab and have us analyze 300 samples for uranium and thorium. Will look further into it and write a memo to your office with concrete proposals when the project will materialize.
6. Personnel problems dormant at this time.

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

RECEIVED

WEEKLY LABORATORY WORK SUMMARY

MAR 18 1977

for the week of 3-1 to 3-15

Div. Of Geological Survey
Anchorage

	Public Samples	Geochem. Samples	Division* Samples
Backlog from last week	228		
Submitted during week	22		
Completed during week	42	163 (1,956)**	0 (0)**
Cumulative completed since January 1	143	717 (4,518)**	36 (209)**
Backlog at end of week	208		

Remarks:

Signed Mona Robinson Date March 15, 1977

*Division and other samples or special investigations not formally reported.
**Individual determinations, including optical emission spectrography, x-ray diffraction and emission, microscopic work, etc.

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

WEEKLY LABORATORY WORK SUMMARY

for the week of 3-16 to 3-31

RECEIVED
APR 4 1977
 Div. Of Geological Survey
 Anchorage

	Public Samples	Geochem. Samples	Division* Samples
Backlog from last week	208		
Submitted during week	0		
Completed during week	49	212 (212)**	0 (0)**
Cumulative completed since January 1	192	929 (4,730)**	36 (209)**
Backlog at end of week	159		

Remarks:

Signed Mona J. Robinson Date March 31, 1977

*Division and other samples or special investigations not formally reported.
 **Individual determinations, including optical emission spectrography, x-ray diffraction and emission, microscopic work, etc.

REGULATION AND INFORMATION

MEMORANDUM

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

State of Alaska

DATE: March 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Cleland N. Conwell
Mining Engineer

SUBJECT: Monthly report -
February 26 thru March 25, 1977

A. Consultations

I. Federal

<u>Agency</u>	<u>Date</u>	<u>Topic</u>
1. USGS (John Dooley)	2/28	Uranium ore identification.
2. USBM (Jim Barker)	3/17	Coal production at Usibelli and accompanied Cle Conwell on mine inspection.
3. USBM (AI Service)	3/24	Total coal production in Alaska.

II. State

1. DEMM (Pedro Denton)	3/1	Applied Earth Science c.p.p. extension.
2. Laws (Gary Vancil)	3/1	Alaska Gold evaluation.
3. Budget	3/2	Objectives of section.
4. DEMM (Pete Nelson)	3/2	Coal prospecting permits and leases.
5. D of A (Allan Winn)	3/4	Lime and phosphates.
6. DEMM (Pedro Denton)	3/14	Montague case.
7. DEC (Ron Hansen)	3/18	Disposal of mine wastes.
8. DE & PD (Gene Rutledge)	3/22	Energy-coal and hydrothermal.

III. Other

1. Alaska Gold (Dan Eagen)	3/3	Information for evaluation report.
2. Vincent Monzuela	3/14	Market for his tungsten ore.
3. Ernie Wolff and Ron Sheardown	3/18	SEMOL
4. Ron Sheardown	3/18	Uranium prospects.
5. Paul Dirksen	3/23	Alaska Gold report.

B. Conferences

1. Alaska Miners	2/28	BLM regulations.
2. Ross Schaff and staff	3/23	Planning.

C. Research

1. Recovery of antimony from Alaska ores.
2. Liquid/liquid recovery of uranium.

D. Status of reports

1. Completed Alaska Gold Evaluation report.
2. Paper on Cook-Inlet coal nearly completed, and has been reviewed by Frank Larson. Figures should be completed by April 1, 1977.
3. Special Report 8 - Chignik-Herenden Bay Coals. Plates are complete.
4. Anchorage quad coal - plates are 75 percent complete.
5. State Resource Map started.

E. Mine inspections

Usibelli Coal Mine - 3/17/77 - Reviewed safe operation of grinding wheels with safety director and certain personnel.

DIVISION OF GEOLOGICAL SURVEY
MONTHLY CENTRAL RECORDING WORK SUMMARY
For Period Ending 3-25-77

	Claim Loc. Notices		Affidavits of Labor		Deeds	Misc.	Total	
	Doc.	Clms	Doc.	Clms	Doc.	Doc.	Doc.	Clms
Backlog	4	4	3	7	-0-	-0-	7	11
Received	31	31	11	93	8	80	130	124
Processed	-0-	-0-	11	93	5	1	17	93
Backlog	35	35	3	7	3	79	120	42
Cumulative Received Since Jan. 1	1,505	1,505	251	3,738	58	144	1,958	5,243
Cumulative Processed Since Jan. 1	1,570	1,570	380	5,874	92	87	2,129	7,444

REMARKS: Miscellaneous activities: Spent one day in Anchorage office and visited Yukon Supply to learn the procedures for microfilming. Resorted files into Kardex quad/numerical order and made kardex number cover sheets to expedite microfilming. Our camera arrived March 8, filmed one trial reel and mailed to John Baxandall. Since that time we have processed 20 reels of film which consists of 36,974 mining documents. Spent one day moving all the active files into 5 filing cabinets. The 4 empty ones are being distributed; 1 to Mona and 3 to the geologists. I have also started work on the new Bibliography of Alaskan Geology and hope to be finished next week.

Signed

William Brown
Mining Information Specialist

ACTIVITY REPORT

Mining Information Section

March 25, 1977

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